Appendix J

Hydrology and Water Quality Report

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SPORTMEN'S LODGE RESIDENTIAL PHASE
(12825 VENTURA BOULEVARD, STUDIO CITY, CA 91604)
HYDROLOGY AND WATER QUALITY REPORT
JULY 2022

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1. INTRODUCTION

1.1. PROJECT DESCRIPTION

Sportsmen's Lodge Mixed Use Project is located at 12825 Ventura Blvd. in the city of Studio City. The Project Site consists of an approximately 229,891 square feet (5.28 Acre) of buildable area and owned by special purpose entities which are controlled by Midwood Investment & Development. The total site is approximately 341,747 square feet (7.84 Acre) site is bounded by Coldwater Canyon Avenue to the west, Los Angeles River to the north, Ventura Boulevard to the south, and private property to the east. The Project Site is currently occupied a hotel building and surface parking lots.

The Project proposes to redevelop 5.28 acres with new commercial, retail, and residential space with additional parking and river access amenities. The Project includes three new buildings: building 1 in southeast portion of the Project Site north of Ventura Boulevard and Building 2 and Building 3 located south of Los Angeles River, in the north portion of the Project Site.

Building 1 is an eight-story mixed used building with a residential lobby, amenity spaces and pool deck. Ground floor contains commercial, retail and restaurant use above a three-level underground garage. Building 2 is four story residential building with amenity spaces. It includes a defined amenity spaces and a roof deck located on grade. There will also be public access to the Los Angeles River newly developed pathways. Building 3 is a two-story structure for commercial use. The ground floor contains commercial, retail and restaurant use and, space with outdoor event area between the proposed Building 2 and 3. The Project includes additional accessibility points to the existing Los Angeles River path and a new below-grade parking structure with approximately 1,385 automobile parking spaces. Access to the parking structure would be via a two-way driveway at the intersection of Ventura Boulevard and Goodland Avenue. Another point of access to the Project Site and below-grade parking structure would be via a two-way driveway from Coldwater Canyon Avenue at the northwest corner of the Project Site.

An adjacent and recently completed commercial project with retail, restaurant and health & wellness uses to the west of the project will remain in place and operational during the construction of the proposed Project.

The Project will include the demolition of the existing hotel structure, swimming pool and existing surface parking lots. Construction of the Project would be completed over an approximately 44-month period. Activities will be phased. The Project's construction will require grading and excavation activities down to a maximum depth of 52 feet below existing grade for the proposed subgrade parking structure. The Project will export approximately 430,000 cubic yards of soil and no import of soil is proposed.

1.2. SCOPE OF WORK

This report provides a description of the existing surface water hydrology, surface water quality, groundwater level, and groundwater quality at the Project Site. In addition, the report includes an analysis of the Project's potential impacts related to surface water hydrology, surface water quality, groundwater level, and groundwater quality.

2. REGULATORY FRAMEWORK

There are several plans, policies, and programs regarding Hydrology and Water Quality at the federal, state, regional, and local levels. Described below, these include:

- Clean Water Act
- Federal Antidegradation Policy
- Safe Drinking Water Act
- National Flood Insurance Program
- Porter-Cologne Water Quality Act (California Water Code)
- California Antidegradation Policy
- California Toxics Rule
- Sustainable Groundwater Management Act of 2014
- Water Replenishment District of Southern California
- County of Los Angeles Hydrology Manual
- NPDES Permit Program
- Los Angeles River Watershed Master Plan
- Los Angeles Municipal Code Section 62.105, Construction "Class B" Permit
- Los Angeles Municipal Code Sections 12.40 through 12.43, Landscape Ordinance
- Los Angeles Municipal Code Section 64.70, Stormwater and Urban Runoff Pollution Control Ordinance
- Los Angeles Municipal Code Section 64.72, Stormwater Pollution Control Measures for Development Planning and Construction Activities
- Low Impact Development Ordinance (No. 181,899)
- Water Quality Compliance Master Plan for Urban Runoff

- Stormwater Program – Los Angeles County MS4 Permit Citywide Implementation

2.1 FEDERAL

Clean Water Act

The Clean Water Act was first introduced in 1948 as the Water Pollution Control Act. The Clean Water Act authorizes Federal, state, and local entities to cooperatively create comprehensive programs for eliminating or reducing the pollution of state waters and tributaries. The primary goals of the Clean Water Act are to restore and maintain the chemical, physical, and biological integrity of the nation's waters and to make all surface waters fishable and swimmable. As such, the Clean Water Act forms the basic national framework for the management of water quality and the control of pollutant discharges. The Clean Water Act also sets forth a number of objectives in order to achieve the above-mentioned goals. These objectives include regulating pollutant and toxic pollutant discharges; providing for water quality that protects and fosters the propagation of fish, shellfish and wildlife; developing waste treatment management plans; and developing and implementing programs for the control of non-point sources of pollution.[1]

Since its introduction, major amendments to the Clean Water Act have been enacted (e.g., 1961, 1966, 1970, 1972, 1977, and 1987). Amendments enacted in 1970 created the U.S. Environmental Protection Agency (USEPA), while amendments enacted in 1972 deemed the discharge of pollutants into waters of the United States from any point source unlawful unless authorized by a USEPA National Pollutant Discharge Elimination System (NPDES) permit. Amendments enacted in 1977 mandated development of a "Best Management Practices" Program at the state level and provided the Water Pollution Control Act with the common name of "Clean Water Act," which is universally used today. Amendments enacted in 1987 required the USEPA to create specific requirements for discharges.

In response to the 1987 amendments to the Clean Water Act and as part of Phase I of its NPDES permit program, the USEPA began requiring NPDES permits for: (1) municipal separate storm sewer systems (MS4) generally serving, or located in, incorporated cities with 100,000 or more people (referred to as municipal permits); (2) 11 specific categories of industrial activity (including landfills); and (3) construction activity that disturbs five acres or more of land. Phase II of the USEPA's NPDES permit program, which went into effect in early 2003, extended the requirements for NPDES permits to: (1) numerous small municipal separate storm sewer systems,[2] (2) construction sites of one to five acres, and

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[1] Non-point sources of pollution are carried through the environment via elements such as wind, rain, or stormwater and are generated by diffuse land use activities (such as runoff from streets and sidewalks or agricultural activities) rather than from an identifiable or discrete facility.

[2] A small municipal separate storm sewer system (MS4) is any MS4 not already covered by the Phase I program as a medium or large MS4. The Phase II Rule automatically covers on a nationwide basis all small MS4s located in "urbanized areas" as defined by the Bureau of the Census (unless waived by the NPDES permitting authority), and on a case-by-case basis those small MS4s located outside of urbanized areas that the NPDES permitting authority designates.

(3) industrial facilities owned or operated by small municipal separate storm sewer systems. The NPDES permit program is typically administered by individual authorized states.

In 2008, the USEPA published draft Effluent Limitation Guidelines (ELGs) for the construction and development industry. On December 1, 2009 the EPA finalized its 2008 Effluent Guidelines Program Plan.

In California, the NPDES stormwater permitting program is administered by the State Water Resources Control Board (SWRCB). The SWRCB was created by the Legislature in 1967. The joint authority of water distribution and water quality protection allows the Board to provide protection for the State's waters, through its nine Regional Water Quality Control Boards (RWQCBs). The RWQCBs develop and enforce water quality objectives and implement plans that will best protect California's waters, acknowledging areas of different climate, topography, geology, and hydrology. The RWQCBs develop "basin plans" for their hydrologic areas, issue waste discharge requirements, enforce action against stormwater discharge violators, and monitor water quality.[3]

Federal Anti-Degradation Policy

The Federal Anti-Degradation Policy (40 Code of Federal Regulations 131.12) requires states to develop statewide anti-degradation policies and identify methods for implementing them. Pursuant to the Code of Federal Regulations (CFR), state anti-degradation policies and implementation methods shall, at a minimum, protect and maintain (1) existing in-stream water uses; (2) existing water quality, where the quality of the waters exceeds levels necessary to support existing beneficial uses, unless the state finds that allowing lower water quality is necessary to accommodate economic and social development in the area; and (3) water quality in waters considered an outstanding national resource.

Safe Drinking Water Act (SDWA)

The Federal Safe Drinking Act, established in 1974, sets drinking water standards throughout the country and is administered by the USEPA. The drinking water standards established in the SDWA, as set forth in the Code of Federal Regulations (CFR), are referred to as the National Primary Drinking Water Regulations (Primary Standards, Title 40, CFR Part 141) and the National Secondary Drinking Water Regulations (Second Standards, 40 CFR Part 143). California passed its own Safe Drinking Water Act in 1986 that authorizes the State's Department of Health Services (DHS) to protect the public from contaminants in drinking water by establishing maximum contaminants levels (MCLs), as set forth in the CCR, Title 22, Division 4, Chapter 15, that are at least as stringent as those developed by the USEPA, as required by the federal Safe Drinking Water Act.

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[3] USEPA. U.S. Environmental Protection Agency - Clean Water Act. July 2011. <http://www.epa.gov/lawsregs/laws/cwa.html>., August 14, 2019.

National Flood Insurance Program

The National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973 mandate the Federal Emergency Management Agency (FEMA) to evaluate flood hazards.[4] FEMA provides flood insurance rate maps (FIRMs) for local and regional planners to promote sound land use and development practices, by identifying potential flood areas based on the current conditions. To delineate a FIRM, FEMA conducts engineering studies referred to as flood insurance studies (FIS). Using information gathered in these studies, FEMA engineers and cartographers delineate special flood hazard areas (SFHA) on FIRMs.

2.2 STATE

California Porter-Cologne Act

The Porter-Cologne Water Quality Control Act established the legal and regulatory framework for California's water quality control. The California Water Code authorizes the SWRCB to implement the provisions of the CWA, including the authority to regulate waste disposal and require cleanup of discharges of hazardous materials and other pollutants.

As discussed above, under the California Water Code (CWC), the State of California is divided into nine RWQCBs, governing the implementation and enforcement of the CWC and CWA. The Project Site is located within Region 4, also known as the Los Angeles Region. Each RWQCB is required to formulate and adopt a Basin Plan for its region. This Plan must adhere to the policies set forth in the CWC and established by the SWRCB. The RWQCB is also given authority to include within its regional plan water discharge prohibitions applicable to particular conditions, areas, or types of waste.

California Anti-Degradation Policy

The California Anti-Degradation Policy, otherwise known as the *Statement of Policy with Respect to Maintaining High Quality Water in California* was adopted by the SWRCB (State Board Resolution No. 68-16) in 1968. Unlike the Federal Anti-Degradation Policy, the California Anti-Degradation Policy applies to all waters of the State, not just surface waters. The policy states that whenever the existing quality of a water body is better than the quality established in individual Basin Plans, such high quality shall be maintained and discharges to that water body shall not unreasonably affect present or anticipated beneficial use of such water resource.

California Toxic Rule

In 2000, the EPA promulgated the California Toxic Rule, which establishes water quality criteria for certain toxic substances to be applied to waters in the State. The EPA promulgated this rule based on the EPA's determination that the numeric criteria are

[4] The National Flood Insurance Act of 1968, as amended, and The Flood Disaster Protection Act of 1973, 42 U.S.C. 4001 et. seq.

necessary in the State to protect human health and the environment. The California Toxic Rule establishes acute (i.e., short-term) and chronic (i.e., long-term) standards for bodies of water such as inland surface waters and enclosed bays and estuaries that are designated by the Los Angeles RWQCB (LARWQCB) as having beneficial uses protective of aquatic life or human health.

Sustainable Groundwater Management Act of 2014

The Sustainable Groundwater Management Act of 2014 (SGMA) creates a framework for sustainable, local groundwater management in California. SGMA allows local agencies to customize groundwater sustainability plans to their regional economic and environmental needs. This act requires local regions to create a groundwater sustainability agency (GSA) and to adopt groundwater management plans for groundwater basins or subbasins that are designated as medium or high priority. High-priority and medium-priority basins or subbasins must adopt groundwater management plans by 2020 or 2022, depending upon whether the basin is in critical overdraft. The Project Site is in the San Fernando Valley (SFV) Groundwater Basin. The SFV Groundwater Basin is classified as a very low priority and does not have a specific subbasin groundwater management plan.

California Water Plan

The California Water Plan (the Plan) provides a framework for water managers, legislators, and the public to consider options and make decisions regarding California's water future. The Plan, which is updated every five years, presents basic data and information on California's water resources including water supply evaluations and assessments of agricultural, urban, and environmental water uses to quantify the gap between water supplies and uses. The Plan also identifies and evaluates existing and proposed statewide demand management and water supply augmentation programs and projects to address the State's water needs.

The goal for the California Water Plan Update is to meet Water Code requirements, receive broad support among those participating in California's water planning, and be a useful document for the public, water planners throughout the state, legislators and other decision-makers.

2.3 REGIONAL

Water Replenishment District of Southern California

The City of Los Angeles is included within the Water Replenishment District of Southern California (WRD). The WRD service area is categorized as a High Priority basin and pursuant to the SGMA must either: (a) form a groundwater sustainability agency (GSA) to prepare and submit a groundwater sustainability plan; or directly submit an Alternative Analysis in lieu of forming a GSA. The WRD, in conjunction with key stakeholders including the Los Angeles Department of Water and Power (LADWP), has prepared and submitted an Alternative Analysis

that satisfies the requirements of the SGMA.[5] The Alternative Analysis demonstrates compliance with applicable portions of the CWC and provides adequate information to show that the applicable, underlying Central Subbasin has operated within its sustainable yield over a period of at least 10 years; and that the Alternative Analysis satisfies SGMA's objectives by promoting sustainable management of the groundwater in the Central Subbasin.

County of Los Angeles Hydrology Manual

Per the City of Los Angeles (City) Special Order No. 007-1299, December 3, 1999, the City has adopted the Los Angeles County (County) Department of Public Works Hydrology Manual as its basis of design for storm drainage facilities. The Hydrology Manual requires that a storm drain conveyance system be designed for a 25-year storm event and that the combined capacity of a storm drain and street flow system accommodate flow from a 50-year storm event. Areas with sump conditions are required to have a storm drain conveyance system capable of conveying flow from a 50-year storm event.[6] The County also limits the allowable discharge into existing storm drain facilities based on the municipal separate storm sewer systems (MS4) Permit, which is enforced on all new developments that discharge directly into the County's storm drain system. Any proposed drainage improvements of County owned storm drain facilities such as catch basins and storm drain lines require review and approval from the County Flood Control District department.

Los Angeles County Municipal Storm Water System (MS4) Permit

As described above, USEPA regulations require that MS4 permittees implement a program to monitor and control pollutants being discharged to the municipal system from both industrial and commercial projects that contribute a substantial pollutant load to the MS4.

On November 8, 2012, the LARWQCB adopted Order No. R4-2012-0175 under the CWA and the Porter-Cologne Act. This Order is the NPDES permit or MS4 permit for municipal stormwater and urban runoff discharges within Los Angeles County. The requirements of this Order (the "Permit") cover 84 cities and most of the unincorporated areas of Los Angeles County. Under the Permit, the Los Angeles County Flood Control District (LACFCD) is designated as the Principal Permittee. The Permittees are the 84 Los Angeles County cities (including the City of Los Angeles) and Los Angeles County. Collectively, these are the "Co-Permittees". The Principal Permittee helps to facilitate activities necessary to comply with the requirements outlined in the Permit but is not responsible for ensuring compliance of any of the Permittees.

NPDES Permit Program

[5] Board of Directors of the Water Replenishment District of Southern California, Resolution No. 16-1048, December 8, 2016, https://sgma.water.ca.gov/portal/alternative/print/12. Accessed July 2022.

[6] Los Angeles County Department of Public Works Hydrology Manual, January 2006

The NPDES permit program was first established under authority of the CWA to control the discharge of pollutants from any point source into the waters of the United States. As indicated above, in California, the NPDES stormwater permitting program is administered by the SWRCB through its nine RWQCBs.

The General Permit

SWRCB Order No. 2012-0006-DWQ known as "The General Permit" was adopted on July 17, 2012. This NPDES permit establishes a risk-based approach to stormwater control requirements for construction projects. The main objectives of the General Permit are to:

1. Reduce erosion
2. Minimize or eliminate sediment in stormwater discharges
3. Prevent materials used at a construction site from contacting stormwater
4. Implement a sampling and analysis program
5. Eliminate unauthorized non-stormwater discharges from construction sites
6. Implement appropriate measures to reduce potential impacts on waterways both during and after construction of projects
7. Establish maintenance commitments on post-construction pollution control measures

NPDES Permit for Discharges of Groundwater from Construction and Project Dewatering

Dewatering operations are practices that discharge non-stormwater, such as ground water, that must be removed from a work location into the drainage system to proceed with construction into the drainage system. Discharges from dewatering operations can contain high levels of fine sediments, which if not properly treated, could lead to exceedance of the NPDES requirements. A NPDES Permit for dewatering discharges was adopted by the LARWQCB on September 13, 2018 (Order No. R4-2018-0125, General NPDES Permit No. CAG994004). Similar to the Construction General Permit, to be authorized to discharge under this permit, the developer must submit a Notice of Intent (NOI) to discharge groundwater generated from dewatering operations during construction in accordance with the requirements of this Permit.[7]

Stormwater Pollution Prevention Plan

[7] Los Angeles Regional Water Quality Control Board (LARWQCB), Order No. R4-2018-0125, General NPDES Permit No. CAG994004, Waste Discharge Requirements for Discharges of Groundwater from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties, September 13, 2018.

California mandates all construction activities disturbing more than one acre of land to develop and implement Stormwater Pollution Prevention Plans (SWPPP). The SWPPP documents the selection and implementation of Best Management Practices (BMPs) for a specific construction project, charging owners with stormwater quality management responsibilities. The Project's construction BMPs will be shown in an Erosion Control Plan and reviewed by the State Waterboard. A construction site subject to the General Permit must prepare and implement a SWPPP that meets the requirements of the General Permit.[8, 9]

A SWPPP is meant to identify potential sources and types of pollutants associated with construction activity and list BMPs that would prohibit pollutants from being discharged from the construction site into the public storm drain system. BMPs typically address stabilization of construction areas, minimization of erosion during construction, sediment control, control of pollutants from construction materials, and post-construction stormwater management (e.g., the minimization of impervious surfaces or treatment of stormwater runoff). The SWPPP is also required to include a discussion of the proposed program to inspect and maintain all BMPs.

A site-specific SWPPP could include, but not be limited to, the following BMPs:

- Erosion Control BMPs – consist of management of soil surface to prevent soil particles from detaching. Selection of the appropriate erosion control BMPs would be based on minimizing areas of disturbance, stabilizing disturbed areas, and protecting slopes/channels. Such BMPs may include, but would not be limited to, use of geotextiles and mats, earth dikes, drainage swales, and slope drains.

- Sediment Control BMPs – consist of treatment controls that trap soil particles that have been detached by water or wind. Selection of the appropriate sediment control BMPs would be based on keeping sediments on-site and controlling the site boundaries. Such BMPs may include, but would not be limited, to use of silt fences, sediment traps, and sandbag barriers, street sweeping and vacuuming, and storm drain inlet protection.

- Wind Erosion Control BMPs – consist of applying water to prevent or minimize dust nuisance.

- Tracking Control BMPs – consist of preventing or reducing the tracking of sediment off-site by vehicles leaving the construction area. These BMPs include street sweeping and vacuuming. Project sites are required to maintain a stabilized construction entrance to prevent off-site tracking of sediment and debris.

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[8] State Water Resources Control Board. State Water Resources Control Board. July 2012, http://www.swrcb.ca.gov/water_issues/programs/npdes/. Accessed July 2022.

[9] USEPA. U.S. Environmental Protection Agency - NPDES. July 2012, https://www.epa.gov/npdes.

- Non-Stormwater Management BMPs – also referred to as "good housekeeping practices," involve keeping a clean, orderly construction site.

- Waste Management and Materials Pollution Control BMPs – consist of implementing procedural and structural BMPs for handling, storing, and disposing of wastes generated by a construction project to prevent the release of waste materials into stormwater runoff or discharges through the proper management of construction waste.

Board Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties

As required by the California Water Code, the LARWQCB has adopted a plan entitled "Water Quality Control Plan, Los Angeles Region: Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties" (Basin Plan). Specifically, the Basin Plan designates beneficial uses for surface and groundwater, sets narrative and numerical objectives that must be attained or maintained to protect the designated beneficial uses and conform to the State's anti-degradation policy, and describes implementation programs to protect all waters in the Los Angeles Region. In addition, the Basin Plan incorporates (by reference) all applicable State and Regional Board plans and policies and other pertinent water quality policies and regulations. Those of other agencies are referenced in appropriate sections throughout the Basin Plan.[10]

The Basin Plan is a resource for the LARWQCB and others who use water and/or discharge wastewater in the Los Angeles Region. Other agencies and organizations involved in environmental permitting and resource management activities also use the Basin Plan. Finally, the Basin Plan provides valuable information to the public about local water quality issues.

2.4 LOCAL

Los Angeles Municipal Code Section 62.105, Construction "Class B" Permit

Any proposed drainage improvements within the street right of way or any other property owned by or under the control of the City requires the approval of a B-permit (Section 62.105, Los Angeles Municipal Code (LAMC)). Under the B-permit process, storm drain installation plans are subject to review and approval by the City of Los Angeles Department of Public Works, Bureau of Engineering. Additionally, any connections to the City's storm drain system from a private property to a City catch basin or an underground storm drain pipe requires a storm drain connection permit from the City of Los Angeles Department of Public Works, Bureau of Engineering.

Los Angeles Municipal Code 12.40 through 12.43, Landscape Ordinance

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[10] Los Angeles Regional Water Quality Control Board. LARWQCB Basin Plan. <http://www.waterboards.ca.gov/losangeles/water_issues/programs/basin_plan/> Accessed July 2022.

In 1996, Ordinance No. 170,978 amended LAMC Sections 12.40 through 12.43 to establish consistent landscape requirements for new projects within the City. Section 12.40 contains general requirements, including a point system for specific project features and techniques in order to determine compliance with the ordinance, and defines exemptions from the ordinance. Section 12.41 sets minimum standards for water delivery systems (irrigation) to landscapes. Section 12.42 provides various regulations, of which two are applicable to stormwater management. The Heat and Glare Reduction regulation states among its purposes the design of vehicular use areas that reduce stormwater runoff and increase groundwater recharge; and the Soil and Watershed Conservation regulation is intended, among other purposes, to increase the "residence time of precipitation" within a given watershed. Implementation guidelines developed for the ordinance provide specific features and techniques for incorporation into projects, and include water management guidelines addressing runoff, infiltration, and groundwater recharge.

Los Angeles Municipal Code Section 64.70, Stormwater and Urban Runoff Pollution Control Ordinance.

Section 64.70 of the LAMC sets forth the City's Stormwater and Urban Runoff Pollution Control Ordinance. The ordinance prohibits the discharge of the following into any storm drain system:

- Any liquids, solids, or gases which by reason of their nature or quantity are flammable, reactive, explosive, corrosive, or radioactive, or by interaction with other materials could result in fire, explosion or injury.

- Any solid or viscous materials, which could cause obstruction to the flow or operation of the storm drain system.

- Any pollutant that injures or constitutes a hazard to human, animal, plant, or fish life, or creates a public nuisance.

- Any noxious or malodorous liquid, gas, or solid in sufficient quantity, either singly or by interaction with other materials, which creates a public nuisance, hazard to life, or inhibits authorized entry of any person into the storm drain system.

- Any medical, infectious, toxic or hazardous material or waste.

Additionally, unless otherwise permitted by a NPDES permit, the ordinance prohibits industrial and commercial developments from discharging untreated wastewater or untreated runoff into the storm drain system. Furthermore, the ordinance prohibits trash or any other abandoned objects/materials from being deposited such that they could be carried into the storm drains. Lastly, the ordinance not only makes it a crime to discharge pollutants into the storm drain system and imposes fines on violators, but also gives City public officers the authority to issue citations or arrest business owners or residents who deliberately and knowingly dump or discharge hazardous chemicals or debris into the storm drain system.

Earthwork activities, including grading, are governed by the Los Angeles Building Code, which is contained in LAMC, Chapter IX, Article 1. Specifically, Section 91.7013 includes regulations pertaining to erosion control and drainage devices, and Section 91.7014 includes general construction requirements, as well as requirements regarding flood and mudflow protection.

In 2000, LAMC Section 64.72, Stormwater Pollution Control Measures For Development Planning and Construction Activities, was added by Ordinance 173,494, and sets forth requirements for construction activities and facility operations of development and redevelopment projects to comply with the requirements of the NPDES permit requirements.

City of Los Angeles Stormwater Program

The City of Los Angeles supports the policies of the Construction General Permit and the Los Angeles County NPDES permit through the *Development Best Management Practices Handbook. Part A Construction Activities,* 3rd Edition, and associated ordinances were adopted in September 2004. *Part B Planning Activities*, 4th Edition was adopted in June 2011. The Handbook provides guidance for developers in complying with the requirements of the Development Planning Program regulations of the City's Stormwater Program. Compliance with the requirements of this manual is required by City of Los Angeles Ordinance No. 173,494. The handbook and ordinances also have specific minimum BMP requirements for all construction activities and require dischargers whose construction projects disturb one acre or more of soil to prepare a SWPPP and file a Notice of Intent (NOI) with the SWRCB. The NOI informs the SWRCB of a particular project and results in the issuance of a Waste Discharger Identification (WDID) number, which is needed to demonstrate compliance with the General Permit.

The City of Los Angeles implements the requirement to incorporate stormwater BMPs through the City's plan review and approval process. During the review process, project plans are reviewed for compliance with the City's General Plan, zoning ordinances, and other applicable local ordinances and codes, including storm water requirements. Plans and specifications are reviewed to ensure that the appropriate BMPs are incorporated to address storm water pollution prevention goals. The Standard Urban Stormwater Mitigation Plan (SUSMP) provisions that are applicable to new residential and commercial developments include, but are not limited to, the following:[11]

- Peak Storm Water Runoff Discharge Rate: Post-development peak storm water runoff discharge rates shall not exceed the estimated pre-development rate for developments where the increased peak storm water discharge rate will result in increased potential for downstream erosion;

[11] City of Los Angeles Stormwater Program website, http://www.lastormwater.org/green-la/standard-urban-stormwater-mitigation-plan/; Accessed July 2022.

- Provide storm drain system Stenciling and Signage (only applicable if a catch basin is built on-site);

- Properly design outdoor material storage areas to provide secondary containment to prevent spills;

- Properly design trash storage areas to prevent off-site transport of trash;

- Provide proof of ongoing BMP Maintenance of any structural BMPs installed;

Design Standards for Structural or Treatment control BMPs:

- Conserve natural and landscaped areas;

- Provide planter boxes and/or landscaped areas in yard/courtyard spaces;

- Properly design trash storage areas to provide screens or walls to prevent off-site transport of trash;

- Provide proof on ongoing BMP maintenance of any structural BMPs installed;

Design Standards for Structural or Treatment Control BMPs:

- Post-construction treatment control BMPs are required to incorporate, at minimum, either a volumetric or flow based treatment control design or both, to mitigate (infiltrate, filter or treat) storm water runoff.

In addition, project applicants subject to the SUSMP requirements must select source control and, in most cases, treatment control BMPs from the list approved by the RWQCB. The BMPs must control peak flow discharge to provide stream channel and over bank flood protection, based on flow design criteria selected by the local agency. Further, the source and treatment control BMPs must be sufficiently designed and constructed to collectively treat, infiltrate, or filter stormwater runoff from one of the following:

- The 85th percentile 24-hour runoff event determined as the maximized capture stormwater volume for the area, from the formula recommended in *Urban Runoff Quality Management, WEF Manual of Practice No. 23/ASCE Manual of Practice No. 87, (1998)*;

- The volume of annual runoff based on unit basin storage water quality volume, to achieve 80 percent or more volume treatment by the method recommended in *California Stormwater Best Management Practices Handbook—Industrial/ Commercial, (1993)*;

- The volume of runoff produced from a 0.75-inch storm event, prior to its discharge to a stormwater conveyance system; or

- The volume of runoff produced from a historical-record based reference 24-hour rainfall criterion for "treatment" (0.75-inch average for the Los Angeles County area) that achieves approximately the same reduction in pollutant loads achieved by the 85th percentile 24-hour runoff event.

Low Impact Development (LID)

In October 2011, the City of Los Angeles passed an ordinance (Ordinance No. 181899) amending LAMC Chapter VI, Article 4.4, Sections 64.70.01 and 64.72 to expand the applicability of the existing SUSMP requirements by imposing rainwater Low Impact Development (LID) strategies on projects that require building permits. The LID ordinance became effective on May 12, 2012.

LID is a stormwater management strategy with goals to mitigate the impacts of increased runoff and stormwater pollution as close to its source as possible. LID promotes the use of natural infiltration systems, evapotranspiration, and the reuse of stormwater. The goal of these LID practices is to remove nutrients, bacteria, and metals from stormwater while also reducing the quantity and intensity of stormwater flows. Through the use of various infiltration strategies, LID is aimed at minimizing impervious surface area. Where infiltration is not feasible, the use of bioretention, rain gardens, green roofs, and rain barrels that will store, evaporate, detain, and/or treat runoff may be used. [12]

The intent of the City of Los Angeles LID standards is to:

- Require the use of LID practices in future developments and redevelopments to encourage the beneficial use of rainwater and urban runoff;
- Reduce stormwater/urban runoff while improving water quality;
- Promote rainwater harvesting;
- Reduce offsite runoff and provide increased groundwater recharge;
- Reduce erosion and hydrologic impacts downstream; and
- Enhance the recreational and aesthetic values in our communities.

The City of Los Angeles Bureau of Sanitation, Watershed Protection Division will adopt the LID standards as issued by the LARWQCB and the City of Los Angeles Department of Public Works. The LID Ordinance will conform to the regulations outlined in the NPDES Permit and SUSMP.

Low Impact Development Plan

[12] City of Los Angeles. "Development Best Management Practices Handbook." May, 2016

In accordance with Section 402(p) of the CWA, the municipal NPDES Permit allows stormwater discharges, except under certain conditions, and require controls to reduce pollutants in those discharges to the maximum extent practicable. Such controls include BMPs, as well as system, design, and engineering methods. A municipal NPDES permit has been issued to the County and 84 incorporated cities. The Los Angeles County Municipal NPDES Permit requires implementation of the Storm Water Quality Management Program prepared as part of the NPDES approval process. The municipal NPDES permit includes a separate MS4 Permit, which applies to publicly-owned separate storm sewer systems, such as curbs, gutters and storm sewers that do not connect with a wastewater collection system or treatment plant.

Under the Los Angeles County Municipal NPDES Permit, permittees are required to implement a development planning program to address stormwater pollution. This program requires project applicants for development projects to implement a LID Plan (which replaces the former Standard Urban Stormwater Mitigation Plan [SUSMP]) throughout the operational life of the project. The purpose of the LID is to reduce the discharge of pollutants in stormwater by outlining BMPs, which must be incorporated into the design of new development and redevelopment. These treatment control BMPs must be sufficiently designed and constructed to treat or filter the greater of an 85th percentile rain event or first 0.75 inch of stormwater runoff from a storm event.

City of Los Angeles Water Quality Compliance Master Plan for Urban Runoff

On March 2, 2007, City Council Motion 07-0663 was introduced by the City of Los Angeles City Council to develop a water quality master plan with strategic directions for planning, budgeting and funding to reduce pollution from urban runoff in the City of Los Angeles. The Water Quality Compliance Master Plan for Urban Runoff was developed by the Bureau of Sanitation, Watershed Protection Division in collaboration with stakeholders to address the requirements of this Council Motion. The primary goal of the Water Quality Compliance Master Plan for Urban Runoff is to help meet water quality regulations. Implementation of the Water Quality Compliance Master Plan for Urban Runoff is intended over the next 20 to 30 years to result in cleaner neighborhoods, rivers, lakes and bays, augmented local water supply, reduced flood risk, more open space, and beaches that are safe for swimming. The Water Quality Compliance Master Plan for Urban Runoff also supports the Mayor and Council's efforts to make Los Angeles the greenest major city in the nation.

- The Water Quality Compliance Master Plan for Urban Runoff identifies and describes the various watersheds in the City, summarizes the water quality conditions of the City's waters, identifies known sources of pollutants, describes the governing regulations for water quality, describes the BMPs that are being implemented by the City, discusses existing TMDL Implementation Plans and Watershed Management Plans. Additionally, the Water Quality Compliance Master Plan for Urban Runoff provides an implementation strategy that includes the following three initiatives to achieve water quality goals:

- Water Quality Management Initiative, which describes how Water Quality Management Plans for each of the City's watershed and TMDL-specific Implementation Plans will be developed to ensure compliance with water quality regulations.

- The Citywide Collaboration Initiative, which recognizes that urban runoff management and urban (re)development are closely linked, requiring collaborations of many City agencies. This initiative requires the development of City policies, guidelines, and ordinances for green and sustainable approaches for urban runoff management.

- The Outreach Initiative, which promotes public education and community engagement with a focus on preventing urban runoff pollution.

- The Water Quality Compliance Master Plan for Urban Runoff includes a financial plan that provides a review of current sources of revenue, estimates costs for water quality compliance, and identifies new potential sources of revenue.

Stormwater Quality Management Program (SQMP)

In compliance with the Permit, the Co-Permittees are required to implement a stormwater quality management program (SQMP) with the goal of accomplishing the requirements of the Permit and reducing the amount of pollutants in stormwater runoff. The SWMP requires the County of Los Angeles and the 84 incorporated cities to:

- Implement a public information and participation program to conduct outreach on storm water pollution;

- Control discharges at commercial/industrial facilities through tracking, inspecting, and ensuring compliance at facilities that are critical sources of pollutants;

- Implement a development planning program for specified development projects;

- Implement a program to control construction runoff from construction activity at all construction sites within the relevant jurisdictions;

- Implement a public agency activities program to minimize storm water pollution impacts from public agency activities; and

- Implement a program to document, track, and report illicit connections and discharges to the storm drain system.

The Permit contains the following provisions for implementation of the SQMP by the Co-Permittees:

1. General Requirements:

- Each permittee is required to implement the SQMP in order to comply with applicable stormwater program requirements.

- The SQMP shall be implemented and each permittee shall implement additional controls so that discharge of pollutants is reduced.

2. Best Management Practice Implementation:

    - Permittees are required to implement the most effective combination of BMPs for stormwater/urban runoff pollution control. This should result in the reduction of storm water runoff.

3. Revision of the SQMP:

    - Permittees are required to revise the SQMP in order to comply with requirements of the RWQCB while complying with regional watershed requirements and/or waste load allocations for implementation of Total Maximum Daily Loads (TMDLs) for impaired waterbodies.

4. Designation and Responsibilities of the Principal Permittee:

    The Los Angeles County Flood Control District is designated as the Principal Permittee who is responsible for:

    - Coordinating activities that comply with requirements outlined in the NPDES Permit;

    - Coordinating activities among Permittees;

    - Providing personnel and fiscal resources for necessary updates to the SQMP;

    - Providing technical support for committees required to implement the SQMP; and

    - Implementing the Countywide Monitoring Program required under this Order and assessing the results of the monitoring program.

5. Responsibilities of Co-Permittees:

    Each Co-Permittee is required to comply with the requirements of the SQMP as applicable to the discharges within its geographical boundaries. These requirements include:

    - Coordinating among internal departments to facilitate the implementation of the SQMP requirements in an efficient way;

- Participating in coordination with other internal agencies as necessary to successfully implement the requirements of the SQMP; and

- Preparing an annual Budget Summary of expenditures for the storm water management program by providing an estimated breakdown of expenditures for different areas of concern, including budget projections for the following year.

6. Watershed Management Committees (WMCs):

    - Each WMC shall be comprised of a voting representative from each Permittee in the Watershed Management Area (WMA).

    - Each WMC is required to facilitate exchange of information between co-permittees, establish goals and deadlines for WMAs, prioritize pollution control measures, develop and update adequate information, and recommend appropriate revisions to the SQMP.

7. Legal Authority:

    - Co-Permittees are granted the legal authority to prohibit non-storm water discharges to the storm drain system including discharge to the MS4 from various development types.

County of Los Angeles Hydrology Manual

Per the City of Los Angeles (City) Special Order No. 007-1299, December 3, 1999, the City has adopted the Los Angeles County (County) Department of Public Works Hydrology Manual as its basis of design for storm drainage facilities. The Hydrology Manual requires that a storm drain conveyance system be designed for a 25-year storm event and that the combined capacity of a storm drain and street flow system accommodate flow from a 50-year storm event. Areas with sump conditions are required to have a storm drain conveyance system capable of conveying flow from a 50-year storm event.[13] The County also limits the allowable discharge into existing storm drain facilities based on the municipal separate storm sewer systems (MS4) Permit, which is enforced on all new developments that discharge directly into the County's storm drain system. Any proposed drainage improvements of County owned storm drain facilities such as catch basins and storm drain lines require review and approval from the County Flood Control District department.

Los Angeles Municipal Code

[13] Los Angeles County Department of Public Works Hydrology Manual, January 2006

Any proposed drainage improvements within the street right of way or any other property owned by or under the control of the City requires the approval of a B-permit (Section 62.105, Los Angeles Municipal Code (LAMC)). Under the B-permit process, storm drain installation plans are subject to review and approval by the City of Los Angeles Department of Public Works, Bureau of Engineering. Additionally, any connections to the City's storm drain system from a private property to a City catch basin or an underground storm drain pipe requires a storm drain connection permit from the City of Los Angeles Department of Public Works, Bureau of Engineering.

3. ENVIRONMENTAL SETTING

3.1. SURFACE WATER HYDROLOGY

3.1.1. REGIONAL

The Project Site is located within the Los Angeles River Watershed in the Los Angeles Basin. The eastern portion spans from the Santa Monica Mountains to the Simi Hills and in the west from the Santa Susana Mountains to the San Gabriel Mountains. The watershed encompasses and is shaped by the path of the Los Angeles River, which flows from its headwaters in the mountains eastward to the northern corner of Griffith Park. Here the channel turns southward through the Glendale Narrows before it flows across the coastal plain and into San Pedro Bay near Long Beach. The Los Angeles River has evolved from an uncontrolled, meandering river providing a valuable source of water for early inhabitants to a major flood protection waterway (see Figure 8).

3.1.2. LOCAL

Underground storm drain facilities in the Project vicinity (see Figure 2) consist of the following:

- **Intersection of Ventura Boulevard and Coldwater Canyon Avenue:** There are six existing catch basins located directly south at this intersection. These connect into a 54-inch concrete storm drain pipe that runs through Coldwater Canyon Avenue. This pipe then discharges into the adjacent Los Angeles River.

- **Coldwater Canyon:** There is one catch basin along the Sportsmen's Lodge frontage on Coldwater Canyon Avenue and approximately 250' north of Ventura Boulevard. This catch basin drains north discharging via an underground pipe into the Los Angeles River.

- **Sportsmen's Lodge Property:** There exists one catch basin here approximately 260 feet from Coldwater Canyon Avenue and adjacent to the Los Angeles River. This catch basin drains north discharging via an underground pipe into the Los Angeles River.

The underground pipes and catch basins noted above are owned and maintained by the City of Los Angeles.

Based on the Project survey by KPFF dated November 22, 2017, it is not anticipated for the project to receive any offsite surface water runoff.

3.1.3. PROJECT SITE

Based on the Project survey by KPFF dated November 22, 2017 (see Figure 1) and site observations, it is determined that under existing conditions the Project Site is defined as two drainage areas area, which are described below and shown in Figure 3. The Project Site generally consists of pervious landscaping and impervious retail stores, surface parking, and impervious pavement for pedestrian and vehicular circulation.

Drainage Area 1E drains to Coldwater Canyon Avenue to the west. Drainage Area 2E gather onsite runoff from the existing site and discharges through the LA River wall into the river.

Figure 3 shows all the input parameters used for analyzing the existing Site and Table 1 summarizes the existing volumetric flow rate generated by a 50-yr storm event storm event (Q_{50}). The Hydrocalc results for the existing Site can be found in Figure 5.

Table 1- Existing Drainage Stormwater Runoff Calculations

Drainage Area	Area (Acres)	Percent Imperviousness (%)	Q_{50} (cfs) (volumetric flow rate measured in cubic feet per second)
1E	2.68	90	8.87
2E	3.73	90	11.58
TOTAL	**6.41**	**90%**	**20.45**

3.2. SURFACE WATER QUALITY

3.2.1. REGIONAL

As stated above, the Project Site lies within the Los Angeles River Watershed which is broken up into six separate reaches. The Project Site is located within Los Angeles River Reach 3. Pollutants of concern listed for the Los Angeles River under California's Clean Water Act Section 303(d) List include: Cadmium (dissolved), Lead (dissolved), Chlordane, Dichloroethylene, Tetrachloroethylene, Trichloroethylene, Coliform Bacteria, Copper (Dissolved), Total Aluminum, Total Lead, Enterococcus, Fecal Coliform, Total

Coliform, Algae, Ammonia, Oil and Grease, Zinc (Dissolved) and trash. No Total Maximum Daily Load (TMDL) data have been recorded by EPA for this waterbody.

3.2.2. LOCAL

In general, urban stormwater runoff occurs following precipitation events, with the volume of runoff flowing into the drainage system depending on the intensity and duration of the rain event. Contaminants that may be found in stormwater from developed areas include sediments, trash, bacteria, metals, nutrients, organics and pesticides. The source of contaminants includes surface areas where precipitation falls, as well as the air through which it falls. Contaminants on surfaces such as roads, maintenance areas, parking lots, and buildings, which are usually contained in dry weather conditions, may be carried by rainfall runoff into drainage systems. The City of Los Angeles typically installs catch basins with screens to capture debris before entering the storm drain system. In addition, the City conducts routine street cleaning operations, as well as periodic cleaning and maintenance of catch basins, to reduce stormwater pollution within the City.

3.2.3. PROJECT SITE

Based on the project survey by KPFF dated November 22, 2017 (see Figure 1), site observations, and the fact that the existing site was developed prior to the enforcement of storm water quality Best Management Practices (BMP) design, implementation and maintenance, it appears the Project Site currently does not implement BMPs and has no means of treatment for stormwater runoff.

3.3. GROUNDWATER HYDROLOGY

3.3.1. REGIONAL

Groundwater use for domestic water supply is a major beneficial use of groundwater basins in Los Angeles County. The Project Site lies within the San Fernando Valley Groundwater Basin. Groundwater flow in the Basin is generally south-southwesterly and may be restricted by natural geological features. Replenishment of groundwater basins occurs mainly by percolation of precipitation throughout the region via permeable surfaces, spreading grounds, and groundwater migration from adjacent basins, as well as injection wells designed to pump freshwater along specific seawater barriers to prevent the intrusion of salt water. [14]

3.3.2. LOCAL

The San Fernando Valley Groundwater Basin is bounded on the north and northwest by the Santa Susana Mountains, on the north and northeast by the San Gabriel Mountains, on the east by the San Rafael Hills, on the south by the Santa Monica Mountains and Chalk Hills, and on the west by the Simi Hills. The valley is drained by the Los Angeles River

[14] http://ularawatermaster.com/index.html?page_id=914; accessed July 22, 2022

and its tributaries. Precipitation in the San Fernando Valley ranges from 15 to 23 inches per year and averages about 17 inches.[15]

The groundwater in this basin is mainly unconfined with some confinement within the Saugus Formation in the western part of the basin and in the Sylmar and Eagle Rock areas. Recharge of the basin is from a variety of sources. Spreading of imported water and runoff occurs in the Pacoima, Tujunga, and Hansen Spreading Grounds. Runoff contains natural streamflow from the surrounding mountains, precipitation falling on impervious areas, reclaimed wastewater, and industrial discharges. Water flowing in surface washes infiltrates, particularly in the eastern portion of the basin.

Groundwater flows generally from the edges of the basin toward the middle of the basin, then beneath the Los Angeles River Narrows into the Central Sub-basin of the Coastal Plain of Los Angeles Basin. In the northeastern part of the basin, groundwater moves from the La Crescenta area southward beneath the surface of Verdugo Canyon toward the Los Angeles River near Glendale, whereas the groundwater in the Tujunga area flows west following the Tujunga Wash around the Verdugo Mountains to join groundwater flowing from the west following the course of the Los Angeles River near Glendale (ULARAW 1999). Flow velocity ranges from about 5 feet per year in the western part of the basin to 1,300 feet per year beneath the Los Angeles River Narrows.

3.3.3. PROJECT SITE

The discussion below is based on investigation of existing conditions. Currently, the majority of the site is impervious area and does not allow for groundwater recharge. The discussion below is based upon a review of relevant previous investigations and on-site explorations conducted as part of the Geologic and Geotechnical Engineering Investigation by GeoSoils Consultants, Inc dated March 22, 2018 (Attachment 1).

Soil borings were drilled during GeoSoils' field investigation and groundwater was encountered at varying depths between 15 and 24 feet below ground surface.

3.4. GROUNDWATER QUALITY

3.4.1. REGIONAL

The San Fernando Valley Water Basin falls under the jurisdiction of the LARWQCB. According to LARWQCB's Basin Plan, objectives applying to all ground waters of the region include bacteria, chemical constituents and radioactivity, mineral quality, nitrogen (nitrate, nitrite), and taste and odor.[16]

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[15] http://ularawatermaster.com/index.html?page_id=914; accessed July 22, 2022

[16] Los Angeles Regional Water Quality Control Board, Basin Plan, March 2013, https://www.waterboards.ca.gov/losangeles/water_issues/programs/basin_plan/2019/chap3updatedMay2019.pdf accessed May 6, 2020.

3.4.2. LOCAL

In the western part of the Basin, calcium sulfate-bicarbonate character is dominant, and in the eastern part of the Basin, calcium bicarbonate character dominates. Total dissolved solids (TDS) range from 326 to 615 mg/L, and electrical conductivity ranges from 540 to 996 µmhos. Data from 125 public supply wells shows an average TDS content of 499 and a range from 176 to 1,160. [17] The average TDS content meets the secondary maximum contaminant level (SMCL) of 1000 mg/L for the San Fernando Valley Water Basin. [18]

A number of investigations by U.S. Geological Survey group have determined contamination of volatile organic compounds such as trichloroethylene (TCE), perchloroethylene (PCE), petroleum compounds, chloroform, nitrate, sulfate, and heavy metals. TCE, PCE and nitrate contamination occurs in the eastern part of the basin and elevated sulfate concentration occurs in the western part of the basin.[19]

3.4.3. PROJECT SITE

It is unlikely for surface water borne contaminants, to percolate into groundwater and adversely affect groundwater quality since the majority of the Project Site is impervious.

4. SIGNIFICANCE THRESHOLDS

In accordance with Appendix G of the CEQA Guidelines, a project would have a significant impact related to hydrology and water quality if it would :

- Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality;
- Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin;
- Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:
    - result in substantial erosion or siltation on- or off-site;
    - substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;
    - create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

[17] B118 Basin Boundary Description – San Fernando Valley Groundwater Basin

[18] USGS Status of Groundwater Quality in San Fernando-San Gabriel Study Unit, 2005: California GAMA Priority Baisn Project

[19] http://ularawatermaster.com/index.html?page_id=914; accessed July 22, 2022.

    - impede or redirect flood flows
- In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation; or
- Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan.

4.1. SURFACE WATER HYDROLOGY

In the context of these questions from Appendix G of the CEQA Guidelines, the City of Los Angeles CEQA Thresholds Guide (*L.A. CEQA Thresholds Guide*) states that a project would normally have a significant impact on surface water hydrology if it would:

- Cause flooding during the projected 50-year developed storm event, which would have the potential to harm people or damage property or sensitive biological resources;
- Substantially reduce or increase the amount of surface water in a water body; or
- Result in a permanent, adverse change to the movement of surface water sufficient to produce a substantial change in the current or direction of water flow.

4.2. SURFACE WATER QUALITY

In the context of the above questions from Appendix G, the *L.A. CEQA Thresholds Guide* states that a project would normally have a significant impact on surface water quality if it would result in discharges that would create pollution, contamination or nuisance, as defined in Section 13050 of the California Water Code (CWC) or that cause regulatory standards to be violated, as defined in the applicable NPDES stormwater permit or Water Quality Control Plan for the receiving water body.

The CWC includes the following definitions:

- "Pollution" means an alteration of the quality of the waters of the state to a degree which unreasonably affects either of the following: 1) the waters for beneficial uses or 2) facilities which serve these beneficial uses. "Pollution" may include "Contamination".
- "Contamination" means an impairment of the quality of the waters of the state by waste to a degree, which creates a hazard to the public health through poisoning or though the spread of disease. "Contamination" includes any equivalent effect resulting from the disposal of waste, whether or not waters of the state are affected.
- "Nuisance" means anything which meets all of the following requirements: 1) is injurious to health, or is indecent or offensive to the senses, or an obstruction to the free use of property, so as to interfere with the comfortable enjoyment of life or property; 2) affects at the same time an entire community or neighborhood, or any considerable number of persons, although the extent of the annoyance or damage

inflicted upon individuals may be unequal; and 3) occurs during, or as a result of, the treatment or disposal of wastes.[20]

4.3. GROUNDWATER HYDROLOGY

In the context of the above questions from Appendix G, the *L.A. CEQA Thresholds Guide* states that a project would normally have a significant impact on groundwater if it would:

- Change potable water levels sufficiently to:
    - Reduce the ability of a water utility to use the groundwater basin for public water supplies, conjunctive use purposes, storage of imported water, summer/winter peaking, or to respond to emergencies and drought;
    - Reduce yields of adjacent wells or well fields (public or private); or
    - Adversely change the rate or direction of flow of groundwater; or
- Result in demonstrable and sustained reduction of groundwater recharge capacity.

4.4. GROUNDWATER QUALITY

With respect to groundwater quality, and in the context of the above question from Appendix G pertaining to groundwater, the *L.A. CEQA Thresholds Guide* states that a project would normally have a significant impact on groundwater quality if it would:

- Affect the rate or change the direction of movement of existing contaminants;
- Expand the area affected by contaminants;
- Result in an increased level of groundwater contamination (including that from direct percolation, injection or salt water intrusion); or
- Cause regulatory water quality standards at an existing production well to be violated, as defined in the California Code of Regulations (CCR), Title 22, Division 4, and Chapter 15 and in the Safe Drinking Water Act.

5. METHODOLOGY

5.1. SURFACE WATER HYDROLOGY

The Project Site is located within the City of Los Angeles, and drainage collection, treatment and conveyance are regulated by the City. Per the City's Special Order No. 007-

[20] City of Los Angeles.LA. CEQA Thresholds Guide. 2006 http://www.environmentla.org/programs/Thresholds/Complete%20Threshold%20Guide%202006.pdf

1299, December 3, 1999, the City has adopted the Los Angeles County Department of Public Works (LACDPW) Hydrology Manual as its basis of design for storm drainage facilities. The LACDPW Hydrology Manual requires projects to have drainage facilities that meet the Urban Flood level of protection. The Urban Flood is runoff from a 25-year frequency design storm falling on a saturated watershed. A 25-year frequency design storm has a probability of 1/25 of being equaled or exceeded in any year. The L.A. CEQA Thresholds Guide, however, establishes the 50-year frequency design storm event as the threshold to analyze potential impacts on surface water hydrology because of development. To provide a more conservative analysis, this report analyzes the larger storm event threshold, i.e., the 50-year frequency design storm event.

The Modified Rational Method was used to calculate storm water runoff. The "peak" (maximum value) runoff for a drainage area is calculated using the formula, **Q = CIA**

Where,

Q = Volumetric flow rate (cfs)
C = Runoff coefficient (dimensionless)
I = Rainfall Intensity at a given point in time (in/hr)
A = Basin area (acres)

The Modified Rational Method assumes that a steady, uniform rainfall rate will produce maximum runoff when all parts of the basin area are contributing to outflow. This occurs when the storm event lasts longer than the time of concentration. The time of concentration (Tc) is the time it takes for rain in the most hydrologically remote part of the basin area to reach the outlet.

The method assumes that the runoff coefficient (C) remains constant during a storm. The runoff coefficient is a function of both the soil characteristics and the percentage of impervious surfaces in the drainage area.

LACDPW has developed a time of concentration calculator, Hydrocalc, to automate time of concentration calculations as well as the peak runoff rates and volumes using the Modified Rational Method design criteria as outlined in the Hydrology Manual. The data input requirements include: sub-area size, soil type, land use, flow path length, flow path slope and rainfall isohyet. The Hydrocalc Calculator was used to calculate the storm water peak runoff flow rate for the Project conditions by evaluating an individual sub-area independent of all adjacent subareas. See Figures 5 and 6 for the Hydrocalc calculator results and Figure 7 for the Isohyet Map.

5.2. SURFACE WATER QUALITY

5.2.1. CONSTRUCTION

Construction BMPs will be designed and maintained as part of the implementation of the SWPPP in compliance with the Construction General Permit. The SWPPP shall begin when construction commences, before any site clearing and grubbing or demolition activity. During construction, the SWPPP will be referred to regularly and amended as changes occur throughout the construction process. As the total area of ground disturbance is less than one acre, the project will not be required to file with the state; however, it will

be required to comply with the requirements of the Construction General Permit and local regulations.

5.2.2. OPERATION

The Project will meet the requirements of the City's LID standards.[21] Under section 3.1.3. of the LID Manual, post-construction stormwater runoff from a new development must be infiltrated, evapotranspirated, captured and used, and/or treated through high efficiency BMPs onsite for at least the volume of water produced by the greater of the 85th percentile storm or the 0.75 inch storm event. The LID Manual prioritized the selection of BMPs used to comply with stormwater mitigation requirement. The order of priority is:

1. Infiltration Systems
2. Stormwater Capture and Use
3. High Efficient Biofiltration/Bioretention Systems
4. Combination of Any of the Above

Feasibility screening delineated in the LID manual is applied to determine which BMP will best suit the Project. Specifically, LID guidelines require that infiltration systems maintain at least 10 feet of clearance to the groundwater, property line, and any building structure. Per the Project's Geotechnical Report, groundwater was encountered during substructure investigation.

According to the Geotechnical investigation prepared for the project site (Attachment 1), the groundwater level was encountered at depth of approximately 15 to 24 feet below the existing ground surface and the historic high groundwater is taken at the ground surface[22]. It is anticipated infiltration will not be considered feasible for the Project.[23]

As part of the Geotech recommendations, infiltration is confirmed infeasible. Therefore, a capture and use system will be used consisting of a pretreatment unit and cisterns.

5.3. GROUNDWATER HYDROLOGY

The significance of this Project as it relates to the level of the underlying groundwater table of the San Fernando Valley Groundwater Basin included a review of the following considerations:

Analysis and Description of the Project's Existing Condition

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[21] The Development Best Management Practices Handbook, Part B Planning Activities, 5th edition was adopted by the City of Los Angeles, Board of Public Works on July 1, 2011 to reflect Low Impact Development (LID) requirements that took effect March 22, 2018.

[22] GeoSoils Consultants, Inc. Geologic and Geotechnical Engineering Investigation , March 22, 2018

[23] Page 6 Attachment 1.

- Identification of the San Fernando Valley Basin as the underlying groundwater basin, and description of the level, quality, direction of flow, and existing uses for the water;

- Description of the location, existing uses, production capacity, quality, and other pertinent data for spreading grounds and potable water wells in the vicinity (usually within a one-mile radius), and;

- Area and degree of permeability of soils on the Project Site, and;

Analysis of the Proposed Project Impact on Groundwater Level

- Description of the rate, duration, location and quantity of extraction, dewatering, spreading, injection, or other activities;

- The projected reduction in groundwater resources and any existing wells in the vicinity (usually within a one-mile radius); and

- The projected change in local or regional groundwater flow patterns.

In addition, this report discusses the impact of both existing and proposed activities at the Project Site on the groundwater quality of the underlying San Fernando Sub-basin.

6. PROPOSED IMPACT ANALYSIS

6.1. CONSTRUCTION

6.1.1. SURFACE WATER HYDROLOGY

Construction activities for the Project would include site preparation and demolition of existing on-site facilities (with the exception of the newly built Sportsmen's Lodge retail space southwest of the site), excavating down to a maximum depth of 52 feet below grade for the proposed parking structure, constructing the proposed development, and constructing hardscape and landscape around the structures. These activities have the potential to temporarily alter existing drainage patterns and flows on the Project Site by exposing the underlying soils, modifying flow direction, and making the Project Site temporarily more permeable. Also, exposed and stockpiled soils could be subject to erosion and conveyance into nearby storm drains during storm events. In addition, construction activities such as earth moving, maintenance/operation of construction equipment, and handling/storage/disposal of materials could contribute to pollutant loading in stormwater runoff.

As the construction site would be greater than one acre, the Project would be required to obtain coverage under the NPDES General Construction stormwater permit. In accordance with the requirements of this permit, the Project would implement a SWPPP that specifies BMPs and erosion control measures to be used during construction to manage runoff flows and prevent pollution. BMPs would be designed to reduce runoff and pollutant levels in

runoff during construction. The NPDES and SWPPP measures are designed to (and would) contain and treat, as necessary, stormwater or construction watering for dust reduction on the Project Site so runoff does not impact off-site drainage facilities or receiving waters. Construction activities would be temporary, and flow directions and runoff volumes during construction would be controlled.

In addition, the Project would be required to comply with all applicable City grading permit regulations that require necessary measures, plans, and inspections to reduce sedimentation and erosion. Thus, through compliance with all NPDES General Construction Permit requirements, including preparation of a SWPPP, implementation of BMPs, and compliance with applicable City grading regulations, the Project would not substantially alter the Project Site drainage patterns in a manner that would result in substantial erosion, siltation, or flooding on- or off-site. Similarly, adherence to standard compliance measurements in construction activities would avoid flooding, substantially increasing or decreasing the amount of surface water flow from the Project Site into a water body, or a permanent, adverse change to the movement of surface water.

6.1.2. SURFACE WATER QUALITY

Construction activities such as earth moving, maintenance/operation of construction equipment, potential dewatering, and handling/storage/disposal of materials could contribute to pollutant loading in stormwater runoff. However, as previously discussed, the Project would be required to obtain coverage under the NPDES General Construction Permit (order No. 2009-0009-SWQ). In accordance with the requirements of the permit, the Project Applicants would prepare and implement a site-specific SWPPP adhering to the California Stormwater Quality Association (CASQA) BMP Handbook. The SWPPP would specify BMPs to be used during construction. BMPs would include, but would not necessarily be limited to: erosion control, sediment control, non-stormwater management, and materials management BMPs. Refer to Exhibit 1 for typical SWPPP BMPs implemented during the construction of development projects.

With the implementation of site-specific BMPs included as part of the required SWPPP, the Project would reduce or eliminate the discharge of potential pollutants from the stormwater runoff. In addition, the Project Applicant would be required to comply with City grading permit regulations, which require implementation of necessary measures, plans (including a wet weather erosion control plan if construction occurs during the rainy season), and inspection to reduce sedimentation and erosion. Therefore, with compliance with NPDES requirements and City grading regulations, construction of the Project would not result in discharge that would cause: (1) pollution which would alter the quality of the water of the State (i.e. Los Angeles River) to a degree which unreasonably affects beneficial uses of the waters; (2) contamination of the quality of the water of the State by waste to a degree which creates a hazard to the public health through poisoning or through the spread of diseases; or (3) nuisance that would be injurious to health; affect an entire community or neighborhood, or any considerable number of persons; and occurs during or as a result of the treatment or disposal of wastes. Furthermore, construction of the Project

would not result in discharges that would cause regulatory standards to be violated in the Los Angeles River.

6.1.3. GROUNDWATER HYDROLOGY

While geotechnical investigations on the Project Site encountered groundwater beginning at a depth of 15 feet below grade[24], the City requires the use of the highest historical level for design and engineering purposes. That level is at the surface, and, as such, dewatering initiatives should be part of construction planning and deployed if conditions warrant. Dewatering operations are practices that discharge non-stormwater, such as groundwater, that must be removed from a work location and discharged into the storm drain system to proceed with construction. Discharges from dewatering operations can contain high levels of fine sediments, which, if not properly treated, could lead to exceedance of the NPDES requirements. When groundwater is encountered during construction, temporary pumps and filtration would be utilized in compliance with the NPDES permit. The temporary system would comply with all relevant NPDES requirements related to construction and discharges from dewatering operations. If dewatering is required, the treatment and disposal of the dewatered water would occur in accordance with the requirements of LARWQCB's Waste Discharge Requirements for Discharges of Groundwater from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties.

6.1.4. GROUNDWATER QUALITY

As discussed above, the Project would include excavations to a maximum depth of approximately 52 feet below ground surface. The Project would also result in a net export of existing soil material. Potentially, any contaminated soils found would be captured within that volume of excavated material, removed from the Project Site, and remediated at an approved disposal facility in accordance with regulatory requirements and site specific mitigation, as required.

During on-site grading and building construction, hazardous materials, such as fuels, paints, solvents, and concrete additives, could be used and would therefore require proper management and, in some cases, disposal. The management of any resultant hazardous wastes could increase the opportunity for hazardous materials releases into groundwater. Compliance with all applicable federal, state, and local requirements concerning the handling, storage and disposal of hazardous waste, would reduce the potential for the construction of the Project to release contaminants into groundwater that could affect existing contaminants, expand the area or increase the level of groundwater contamination, or cause a violation of regulatory water quality standards at an existing production well. Therefore, the Project would not result in any substantial increase in groundwater contamination through hazardous materials releases and impacts on groundwater quality would be less than significant.

6.2. OPERATION

[24] Page 6 Attachment 1.

6.2.1. SURFACE WATER HYDROLOGY

Under the proposed conditions illustrated in Figure 4, the Project Site would consist of four drainage areas that would drain via building roof drains, surface flow, and subterranean drainage to the proposed BMPs.

- **Project Site**
    - Area 1 consists of the northwest corner of the Project Site. The general drainage would enter various catch basins and area drains to be designed and located by the Civil Engineer, Architect, Landscape and Plumbing Engineer during the design phase. The captured stormwater would be routed via building and site conveyance pipes and would be connected to the LID system. This runoff area will be captured by 2 proposed rain cisterns.
    - Area 2 includes the northeast corner of the Project Site. This area extends from the Los Angeles River path and includes Building B. This runoff area will be captured by 1 proposed rain cistern.
    - Area 3 is the remainder of the site including the proposed Building A.
    - See Exhibit 3 for the Proposed Stormwater Management Plan.

Though the Existing Drainage Area 2 discharges directly to the LA River in the existing condition, it is not anticipated that the Project would reconnect drainage facilities directly to the river channel. Instead, proposed drainage for the Existing Drainage Area 2 would be redirected to Coldwater Canyon Avenue which flows north to an existing catch basin which ultimately connects to the LA River.

The Project is expected to decrease the percentage of impervious area from 90% pre-development to 75% post-development compared to existing conditions on the Project Site. Based on a site investigation of the existing conditions, the stormwater discharges from the Project Site without treatment or on-site detention.

Table 3 shows a comparison of the pre and post peak flow rates for the 50-year frequency design storm event. The comparison between pre- and post-Project flow rate for overall project reflect a decrease in overall stormwater discharge, but an increase in stormwater discharge to Coldwater Canyon Avenue. See below for further analysis. See Figures 6.1, 6.2, and 6.3 for the HydroCalc results.

Table 2 - Proposed Drainage Stormwater Runoff Calculations			
Drainage Area	Area (acres)	Percent Imperviousness (%)	Q_{50} (cfs) (volumetric flow rate measured in cubic feet per second)
Onsite			
1P	1.45	75%	5.16
2P	1.24	75%	3.83
3P	3.73	75%	9.43
TOTAL	**6.42**	**75.0%**	**18.42**

This increase to Coldwater Canyon Avenue is due to the redirection of stormwater formerly directly entering the LA River, instead discharging to Coldwater Canyon Avenue in accordance with current City of LA Methodology. The current capacity of the curb and gutter system in Coldwater Canyon is 37.90 cfs, assuming a spread up to the quarter point of the road (16-feet). Other tributary areas flow to Coldwater Canyon Avenue as well. These area and flowrates are shown in Figure 3. The total flow in the eastern half right-of-way of Coldwater Canyon Avenue from the Project and the offsite tributary areas is 29.56 cfs. Therefore, drainage facilities in Coldwater Canyon Avenue are adequately sized to accommodate the increase in flow.

Table 2 – 50-year Proposed Drainage Stormwater Runoff Calculations Summary			
Drainage Body	**Pre-Project Q_{50} (cfs)**	**Post-Project Q_{50} (cfs)**	**Increase of Stormwater Runoff from Existing to Proposed Condition**
Coldwater Canyon	8.87	18.42	9.55 cfs
LA River	11.58	0	-11.58 cfs
TOTAL	20.45	18.42	-2.03 cfs

Subsequently, the Project would not cause flooding during the 50-year developed storm event, would not create runoff which would exceed the capacity of existing or planned drainage systems, would not substantially reduce or increase the amount of surface water in a water body, or result in a permanent adverse change to the movement of surface water.

Additionally, the Project Site is located within Zone X identified by the Federal Emergency Management Agency (FEMA) and published in the Flood Insurance Rate Maps (FIRM).[25] This is an area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level.

6.2.2. SURFACE WATER QUALITY

The Project would not increase concentrations of the items listed as constituents of concern for the Los Angeles River Watershed.

The Project would meet the requirements of the City's LID standards.[26] Under section 3.1.3. of the LID Manual, post-construction stormwater runoff from a new development must be infiltrated, evapotranspirated, captured and used, and/or treated through high efficiency BMPs onsite for at least the volume of water produced by the greater of the 85th percentile storm or the 0.75 inch storm event. The LID Manual prioritized the selection of BMPs used to comply with stormwater mitigation requirement. The order of priority is:

1. Infiltration Systems
2. Stormwater Capture and Use
3. High Efficient Biofiltration/Bioretention Systems
4. Combination of Any of the Above

Feasibility screening delineated in the LID manual is applied to determine which BMP will best suit the Project. Based on the screening criteria, infiltration is not considered feasible at the Project Site.

Based on Project's Geotechnical Report, the Project Site soil type is infeasible for infiltration. Specifically, the groundwater encountered below the Project Site at depths between 15 and 24 feet below grade. In addition, perched groundwater levels will fluctuate due to several factors such as precipitation patterns and on- or off-site construction activities. Therefore, the Project would land in priority tier 2 – Stormwater Capture and Use. The Project would implement capture and use systems to collect and store the first flush of stormwater runoff to satisfy LID requirements and use it for irrigation. A study will need to be conducted by OLIN (Landscape Architect) to estimate the irrigation demand of the Project. The proposed LID design would reduce the imported water demand for the Project.

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[25] FIRMs depict the 100-year floodplain as Zone A, Zone AO, Zone AH, Zones A1-A30, Zone AE, Zone A99, Zone AR, Zone AR/AE, Zone AR/AO, Zone AR/A1-A30, Zone AR/A, Zone V, Zone VE, and Zones V1-V30. FIRMs depict the 500-year floodplain as Zone B or Zone X (shaded).

[26] The Development Best Management Practices Handbook, Part B Planning Activities, 5th edition was adopted by the City of Los Angeles, Board of Public Works on May 9, 2016 to reflect Low Impact Development (LID) requirements.

Per the City of LA LID Standards, the Project would be required to capture and treat the 85th percentile storm event volume. The proposed 85th percentile storm event volume, classified as the mitigated volume, is approximately 19,062 cubic feet or 142,590 gallons.

A proposed series of 6 rainwater cistern tanks will be implemented onsite to provide capture and reuse system for the Project. Each retention system will hold 25,000 gallons in a 12' diameter and approximately 36' long. Each tank will be located either around the open space or subgrade parking and provide for the proposed Drainage Areas. The detention tanks would temporarily store the captured stormwater until the stored volume is entirely used through the irrigation systems. Typical capture and use system details are illustrated in Exhibit 4. Alternative capture and use BMPs may be considered during the Project's design phase without significant change to the analysis contained herein.

Since it appears there are currently no existing onsite BMPs, stormwater run-off during post-Project conditions would result in improved surface water quality.

Compliance with the LID requirements for the Project Site would ensure stormwater treatment with post-construction BMPs that are required to control pollutants associated with storm events up to the 85th percentile storm event, per the City's Stormwater Program.

Due to the incorporation of the required LID BMP, operation of the Project would not result in discharges that would cause: (1) pollution which would alter the quality of the waters of the State (i.e., Los Angeles River) to a degree which unreasonably affects beneficial uses of the waters; (2) contamination of the quality of the waters of the State by waste to a degree which creates a hazard to the public health through poisoning or through the spread of diseases; or (3) nuisance that would be injurious to health; affect an entire community or neighborhood, or any considerable number of persons; and occurs during or as a result of the treatment or disposal of wastes.

As is typical of most urban existing uses and proposed developments, stormwater runoff from the Project Site has the potential to introduce pollutants into the stormwater system. Anticipated and potential pollutants generated by the Project are sediment, nutrients, pesticides, metals, pathogens, and oil and grease. Release of such pollutants would be minimized by implementation of the aforementioned LID BMPs.

Furthermore, operation of the Project would not result in discharges that would cause regulatory standards to be violated. As stated above, it appears that the existing conditions on the Project Site discharge without any means of treatment. However, the Project would include the installation of LID BMPs, which would mitigate at minimum the first flush or the equivalent of the greater between the 85th percentile storm and first 0.75-inch of rainfall for any storm event for the entire community area.

6.2.3. GROUNDWATER HYDROLOGY

Regarding groundwater recharge, the majority of the Project Site is impervious in the existing condition, and there is little to no groundwater recharge potential. Per the Project's

Geotechnical Report (Attachment 1) infiltration is not feasible at this site. The Project would develop a portion of the Project Site and capture stormwater from the developed portions through its capture and use system to be used as irrigation for the rest of the Project Site. Therefore, the amount of groundwater recharge potential will remain similar to the existing condition as the majority of the stormwater runoff will be retained onsite. As stated above, the stormwater which bypasses the BMP systems would discharge to the Los Angeles River and not result in infiltration of a large amount of rainfall that would affect groundwater hydrology, including the direction of groundwater flow. Therefore, the Project's potential impact on groundwater recharge is less than significant.

6.2.4. GROUNDWATER QUALITY

The Project does not include the installation or operation of water wells, or any extraction or recharge system that is in the vicinity of the coast, an area of known groundwater contamination or seawater intrusion, a municipal supply well or spreading ground facility.

Operational activities which could affect groundwater quality include spills of hazardous materials and leaking underground storage tanks. No underground storage tanks are currently operated or will be operated by the Project. In addition, while the Project would introduce more density and land uses to the Project Site which would slightly increase the use of potentially hazardous materials as described above, the Project would comply with all applicable existing regulations regarding the handling and disposal of hazardous materials. Therefore, the Project would not affect or expand any potential areas of contamination, increase the level of contamination, or cause regulatory water quality standards at an existing production well to be violated, as defined in the California Code of Regulations, Title 22, Division 4, Chapter 15 and the Safe Drinking Water Act.

Additionally, the Project would include the installation of capture and use system as a means of treatment and disposal of the volume of water produced by the greater of the 85th percentile storm or the 0.75-inch storm event, which would allow for treatment of the on-site stormwater prior to using it for irrigation.

7. LEVEL OF SIGNIFICANCE

In conclusion, the Project would improve the Project Site's hydrologic function. The Project design would include implementation of a capture and use system that would comply with the City's LID requirements. Whereas stormwater from the Project Site currently sheet flows without treatment into the Los Angeles River, implementation of the Project would capture and use stormwater from the Project Site, improving water quality and reducing the amount of water discharged from these areas. Overall, hydrology and water quality impacts would be less than significant.

APPENDICES

FIGURE 1 - PROJECT SURVEY

29970 Technology Drive, Suite 220-C
Murrieta, CA 92563 : (619) 606-5020

Legend

SYMBOLS	DESCRIPTIONS
	AERIAL PANELS
N 80000	GRID TEXT
	GRID TICK
2980.5 X	SPOT ELEVATION
	CACTUS
	PALM TREE
	SINGLE TREE
	FLAG
	GATE
H	SIGNS
	BILLBOARD
	OVERHEAD SIGNS
	STREET SIGN
	POST / BOLLARD
	FIRE HYDRANT
	METER / UTILITY
MH	MANHOLE
	VALVE
	CATCH BASIN
	CULVERT
	UTILITY POLE
	TRANSMISSION
	TV DISH
	LIGHT POLE
	TRAFFIC SIGNAL
	PEDESTRIAN SIGNAL
	STREET LIGHT
	STRAIGHT ARROWS
	DIRECTIONAL ARROWS
	MINE
	BIKE LANE
	HANDICAP
EXIT STOP	TRAFFIC PAINT
NEED ONLY YIELD	TRAFFIC PAINT
	BUILDING
	SWIMMING POOL
	BRIDGE
	CANOPY
	ROCKS
	TRAFFIC LANE PAINT
	PARKING STRIPES
	ROAD / PAVEMENT
	DIRT ROAD / TRAIL
	CURB / GUTTER
	CONCRETE
	RAILROAD
	FENCE
	RETAINING WALL
	GUARD RAIL
3130	INDEX CONTOUR / TEXT
	INTER CONTOUR
3130	INDEX DEPRESSION / TEXT
	INTER DEPRESSION
	WASH / WATER
	VEGETATION LINE
	GOLF FAIRWAY
	GOLF GREEN / TEE
	GOLF SANDTRAP
	FIELD / GRASS

Project:

Sportsmen's Lodge
(Studio City, CA)

Client:

KPFF

Flight Date:
November 22, 2017

ATM #CA1117-125

Contour Interval: 1 Foot

American Society for Photogrammetry and Remote Sensing
ERIC T. PHAN
CERTIFIED
PHOTOGRAMMETRIST
(ASPRS) No. 1589
Exp. 10/21/2020

P:\2020\2000575 Sportsmen'S Lodge Mixed Use\5 CAD\Sheets\Exhibit\2000575-C-SURVEY-EXHIBIT-EXISTING RETAIL OVERLAY.dwg, Dec 16, 2020 - 9:23am

FD L & BRASS TACK 0.06' S'LY ON A 5.13' PROD. OF LOT CORNER.

FD MAG NAIL & WASHER STAMPED LA C1153 ENGINEER PER LA CERT 165-161 PG. 147

COLDWATER CANYON AVE.

N84°49'27"E 70.78'

21.00'

N84°49'27"E 43.16'

N84°49'27"E 75.00'

N05°10'33"W

D=31° 17 '01 " R=112.00 ' L=612.07 '

N00°00'53"E 9.89'

NORTHERLY LINE OF PARCEL 3 PER R-2

L=187.50 '

D=10° 19 '48 " R=1040.00 '

N90°00'00"E 130.01'

N90°00'00"W

33.18'

127.24'

SOUTHERLY LINE OF PARCEL 3 PER R-2

EASTERLY LINE OF IRREVOCABLE OFFER TO DEDICATE, R/W No: DIR 2014-886-SPP-SPPA-2A-M1, DATED 2019-05-07

LINE PER INST. No.: 20190261121 O.R., REC 2019-03-26

N00°00'00"E 150.71'

N90°00'00"E 5.00'

N00°00'00"E 70.14'

N90°00'00"W 38.00'

N00°00'00"E 122.13'

N00°00'00"E 477.71'

N00°00'00"E 470.57'

N00°00'00"E 485.10'

N00°00'00"E 518.28'

SOETHOUT WARREN E SOETHOUT TRUST 2262 CAMINO DEL RIO SOUTH APN: 2375-025-016

N00°00'00"E 436.86'

N00°00'00"E 502.34'

N00°00'00"E 319.73'

479.15'

WESTERLY LINE OF LOT 5 OF TRACT NO.: 1368 (MB 18 PG 76)

N90°00'00"E 102.58'

N00°00'00"E 103.69'

NOT A PART

TORALD LLC
4204 COLDWATER CANYON AVE.
APN: 2375-021-020

PER R-2

N78°40'55"W 39.88'

N00°00'00"E 67.45'

N11°18'38"E 96.57'

219.92'

N78°41'35"W 478.08'

258.16'

N78°41'35"W 6.34'

D=10°04'45" R=693.00'

120.38'

401.68'

N78°41'35"W 758.64'

286.38'

70.58'

SOUTHWESTERLY CORNER OF LOT 5 OF TRACT NO. 1368 (M.B. 18, PG. 76)

CITY OF LA SSM FD. STAMPED BRASS CAP IN WELL PER LA CEFB 165-161 PG. 147. ACCEPTED AS ℄ INT.

VENTURA BLVD

FD CONC. ESTAB. BY TIES PER LA CEFB 16204 PG. 31.

SOUTHERLY LINE OF LOTS 3,4, AND 5 OF TRACT No.: 1368 (MB 18 PG 76)

NORTHERLY LINE OF IRREVOCABLE OFFER TO DEDICATE, R/W No: DIR 2014-886-SPP-SPPA-2A-M1, DATED 2019-05-07

ESTAB. BY REC. ANGLE AND DIST. PER R-1

NOTHING FD. ANGLE POINT OF VENTURA BLVD. ESTAB. RECORD DISTANCE FROM FD. MONUMENT. PER R-1 365, PMB 2 - 64.

FD MAG NAIL & WASHER STAMPED LA CITY ENGINEER

9+08
10+00
11+00
12+00
13+00
14+00
15+00
16+00
9+29

BENCH MARK NO. 1		BENCH MARK NO. 2	
DESCRIPTION	BASIS	DESCRIPTION	BASIS
BM 08-08223	638.592	BM 08-15450	624.113
SPIKE, 1 FOOT WEST OF THE WEST CURB OF COLDWATER CANYON AVE., 38.5 FEET SOUTH OF THE BCR SOUTH OF VENTURA BLVD. IN THE NORTH END OF A CATCH BASIN	NAVD 1988	CUT SPK, 3.8 FT S OF S CURB LINE LAUREL TERR. DR. 4 FT E OFE CURB	NAVD 1988
	2000 ADJ	LINE T SETTAVE, FROM N PROD; SW COR CB IN FRONT OF HOUSE 12464	2000 ADJ

N

0 15' 30'
SCALE: 1"=30'

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TEL: (310) 826-4222

ARCHITECT OF RECORD
MVE + PARTNERS
1900 MAIN STREET
8TH FLOOR
IRVINE, CA 92614
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5900 WILSHIRE BLVD.
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LOS ANGELES, CA 90036
TEL: (323) 387-3998

STRUCTURAL ENGINEER
MIYAMOTO
707 WILSHIRE BLVD.
SUITE 5100
LOS ANGELES, CA 90017
TEL: (213) 362-7779

CIVIL ENGINEER
KPFF
700 S. FLOWER STREET
SUITE 2100
LOS ANGELES, CA 90017
TEL: (213) 418-0201

MEP ENGINEER
TK1SC
515 S. FIGUEROA STREET
SUITE 1400
LOS ANGELES, CA 90071
TEL: (949) 757-5817

THE RESIDENCES AT SPORTSMEN'S LODGE

12525 VENTURA BLVD.
STUDIO CITY, CA 91604

REVISIONS

SURVEY (NOT FOR CONSTRUCTION PURPOSES)

2019107

C1.00

FIGURE 2 - EXISTING UTILITIES

29970 Technology Drive, Suite 220-C
Murrieta, CA 92563 : (619) 606-5020

Legend

SYMBOLS	DESCRIPTIONS
	AERIAL PANELS
N 80000	GRID TEXT
	GRID TICK
2980.5 X	SPOT ELEVATION
	CACTUS
	PALM TREE
	SINGLE TREE
	FLAG
	GATE
	SIGNS
	BILLBOARD
	OVERHEAD SIGNS
	STREET SIGN
	POST / BOLLARD
	FIRE HYDRANT
	METER / UTILITY
MH	MANHOLE
	VALVE
	CATCH BASIN
	CULVERT
	UTILITY POLE
	TRANSMISSION
	TV DISH
	LIGHT POLE
SS SS	TRAFFIC SIGNAL
	PEDESTRIAN SIGNAL
	STREET LIGHT
	STRAIGHT ARROWS
	DIRECTIONAL ARROWS
	MINE
	BIKE LANE
	HANDICAP
EXIT STOP	TRAFFIC PAINT
NEED ONLY YIELD	TRAFFIC PAINT
	BUILDING
	SWIMMING POOL
	BRIDGE
	CANOPY
	ROCKS
	TRAFFIC LANE PAINT
	PARKING STRIPES
	ROAD / PAVEMENT
	DIRT ROAD / TRAIL
	CURB / GUTTER
	CONCRETE
	RAILROAD
	FENCE
	RETAINING WALL
	GUARD RAIL
3130	INDEX CONTOUR / TEXT
	INTER CONTOUR
3130	INDEX DEPRESSION / TEXT
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	VEGETATION LINE
	GOLF FAIRWAY
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	FIELD / GRASS

Project:

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Contour Interval: 1 Foot

American Society for Photogrammetry and Remote Sensing
ERIC T. PHAN
CERTIFIED
PHOTOGRAMMETRIST
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Exp. 10/21/2020

P:\2020\2000575 SportsmenSs Lodge Mixed Use\5 CAD\Sheets\Exhibit\2000575-C-SURVEY-EXHIBIT.dwg, Jan 05, 2021 - 10:13am

8" VCP SEWER CITY OF LOS ANGELES
54" CONCRETE STORM DRAIN CITY OF LOS ANGELES
8" WATER LINE LADWP
30" WATER LINE LADWP
CITY OF LA CATCH BASIN
64" WATER LINE LADWP
EXISTING FIRE HYDRANT
12" WATER LINE LADWP
MH ID: 44207137
MH ID: 44207140
MH ID: 44207142

BENCH MARK NO. 1		BENCH MARK NO. 2	
DESCRIPTION	BASIS	DESCRIPTION	BASIS
BM 08-08223	638.592	BM 08-15450	624.113
SPIKE, 1 FOOT WEST OF THE WEST CURB OF COLDWATER CANYON AVE., 38.5 FEET SOUTH OF THE BCR SOUTH OF VENTURA BLVD. IN THE NORTH END OF A CATCH BASIN	NAVD 1988	CUT SPK; 3.8 FT S OF S CURB LINE LAUREL TERR. DR. 4 FT E OFE CURB	NAVD 1988
	2000 ADJ	LINE T SETTAVE, FROM N PROD; SW COR CB IN FRONT OF HOUSE 12464	2000 ADJ

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STUDIO CITY, CA 91604

REVISIONS

SURVEY (NOT FOR CONSTRUCTION PURPOSES)

2019107

C1.00

SCALE: 1"=30'

FIGURE 3 - EXISTING SITE DRAINAGE

SYMBOLS / DESCRIPTIONS

- AERIAL PANELS
- GRID TEXT
- GRID TICK
- SPOT ELEVATION
- CACTUS
- PALM TREE
- SINGLE TREE
- FLAG
- GATE
- SIGNS
- BILLBOARD
- OVERHEAD SIGNS
- STREET SIGN
- POST / BOLLARD
- FIRE HYDRANT
- METER / UTILITY
- MANHOLE
- VALVE
- CATCH BASIN
- CULVERT
- UTILITY POLE
- TRANSMISSION
- TV DISH
- LIGHT POLE
- TRAFFIC SIGNAL
- PEDESTRIAN SIGNAL
- STREET LIGHT
- STRAIGHT ARROWS
- DIRECTIONAL ARROWS
- MINE
- BIKE LANE
- HANDICAP
- TRAFFIC PAINT
- TRAFFIC PAINT
- BUILDING
- SWIMMING POOL
- BRIDGE
- CANOPY
- ROCKS
- TRAFFIC LANE PAINT
- PARKING STRIPES
- ROAD / PAVEMENT
- DIRT ROAD / TRAIL
- CURB / GUTTER
- CONCRETE
- RAILROAD
- FENCE
- RETAINING WALL
- GUARD RAIL
- INDEX CONTOUR / TEXT
- INTER CONTOUR
- INDEX DEPRESSION / TEXT
- INTER DEPRESSION
- WASH / WATER
- VEGETATION LINE
- GOLF FAIRWAY
- GOLF GREEN / TEE
- GOLF SANDTRAP
- FIELD / GRASS

460' x 43' half ROW=

Drainage Area A

Q50=1.74 cfs

Drainage Area 1E

Drainage Area B

Q50=9.40 cfs

Drainage Area 2E

LOS ANGELES RIVER CHANNEL

COLDWATER CANYON AVENUE

VENTURA BOULEVARD

NOT A PART

PARCEL A
INST. #2019-0238216 OR.
DATED 03/18/2019

PARCEL B
INST. #2019-0238216 OR.
DATED 03/18/2019

TR NO T 1368
M B 18-16

TR NO P M 353
BK 2-64

N84°49'27"E 70.78'
21.00'
N84°49'27"E 75.00'
N05°10'33"W 754.84 ft
N84°49'27"E 43.16'
D=31°17'01" R=1121.00' L=612.07'
766.60 ft
N00°00'53"E 9.89'
N90°00'00"E 130.01'
D=10°19'48" R=1040.00' L=187.50'
N90°00'00"W 33.18'
127.24'
N00°00'00"E 150.71'
N90°00'00"E 5.00'
N00°00'00"E 319.73'
N00°00'00"E 502.34'
N00°00'00"E 436.66'
N00°00'00"E 290.02 ft
N00°00'00"E 479.15'
N00°00'00"E 70.14'
N90°00'00"E 102.58'
N90°00'00"W 38.00'
N00°00'00"E 132.62'
N00°00'00"E 477.71'
N00°00'00"E 470.57'
N00°00'00"E 483.10'
N00°00'00"E 518.28'
N00°00'00"E 103.69'
N00°00'00"E 81.45'
N78°40'55"W 39.88'
N78°41'02"W 24.37'
N33°41'02"W 16.96'
N71°18'58"E 98.37'
219.92'
N78°41'35"W 478.08'
258.16'
N78°41'35"W 6.34'
D=10°04'45" R=693.00' L=121.91'
N78°41'35"W 708.64'
401.68'
286.38'
70.58'
9+29

BENCH MARK NO. 1		BENCH MARK NO. 2	
DESCRIPTION	BASIS	DESCRIPTION	BASIS
BM 08-08223	638.592	BM 08-15450	624.113
SPIKE, 1 FOOT WEST OF THE WEST CURB OF COLDWATER CANYON AVE., 38.5 FEET SOUTH OF	NAVD 1988	CUT SPK; 3.8 FT S OF S CURB LINE LAUREL TERR. DR. 4 FT E OFE CURB	NAVD 1988
THE BCR SOUTH OF VENTURA BLVD, IN THE NORTH END OF A CATCH BASIN	2000 ADJ	LINE T SETTAVE, FROM N PROD; SW COR CB IN FRONT OF HOUSE 12464	2000 ADJ

Project:

Sportsmen's Lodge
(Studio City, CA)

Client:

KPFF

Flight Date:
November 22, 2017

ATM #CA1117-125

Contour Interval: 1 Foot

American Society for Photogrammetry and Remote Sensing
ERIC T. PHAN
CERTIFIED PHOTOGRAMMETRIST
(ASPRS) No. 1589
Exp. 10/21/2020

N

0 15' 30'
SCALE: 1"=30'

kpff
700 South Flower Street
Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
F: 213.266.5294
www.kpff.com

OWNER
MIDWOOD DEVELOPMENT
430 PARK AVENUE
2ND FLOOR
NEW YORK, NY 10022
TEL: (212) 682-9696

DESIGN ARCHITECT
MARMOL RADZINER
12210 NEBRASKA AVENUE
LOS ANGELES, CA 90025
TEL: (310) 826-4222

ARCHITECT OF RECORD
MVE + PARTNERS
1900 MAIN STREET
8TH FLOOR
IRVINE, CA 92614
TEL: (949) 809-3388

LANDSCAPE ARCHITECT
OLIN
5900 WILSHIRE BLVD.
SUITE 2375
LOS ANGELES, CA 90036
TEL: (323) 387-2898

STRUCTURAL ENGINEER
MIYAMOTO
707 WILSHIRE BLVD.
SUITE 5100
LOS ANGELES, CA 90017
TEL: (213) 362-7779

CIVIL ENGINEER
KPFF
700 S. FLOWER STREET
SUITE 2100
LOS ANGELES, CA 90017
TEL: (213) 418-0201

MEP ENGINEER
TK1SC
515 S. FIGUEROA STREET
SUITE 1400
LOS ANGELES, CA 90071
TEL: (949) 757-5817

THE RESIDENCES AT SPORTSMEN'S LODGE
12825 VENTURA BLVD.
STUDIO CITY, CA 91604

REVISIONS

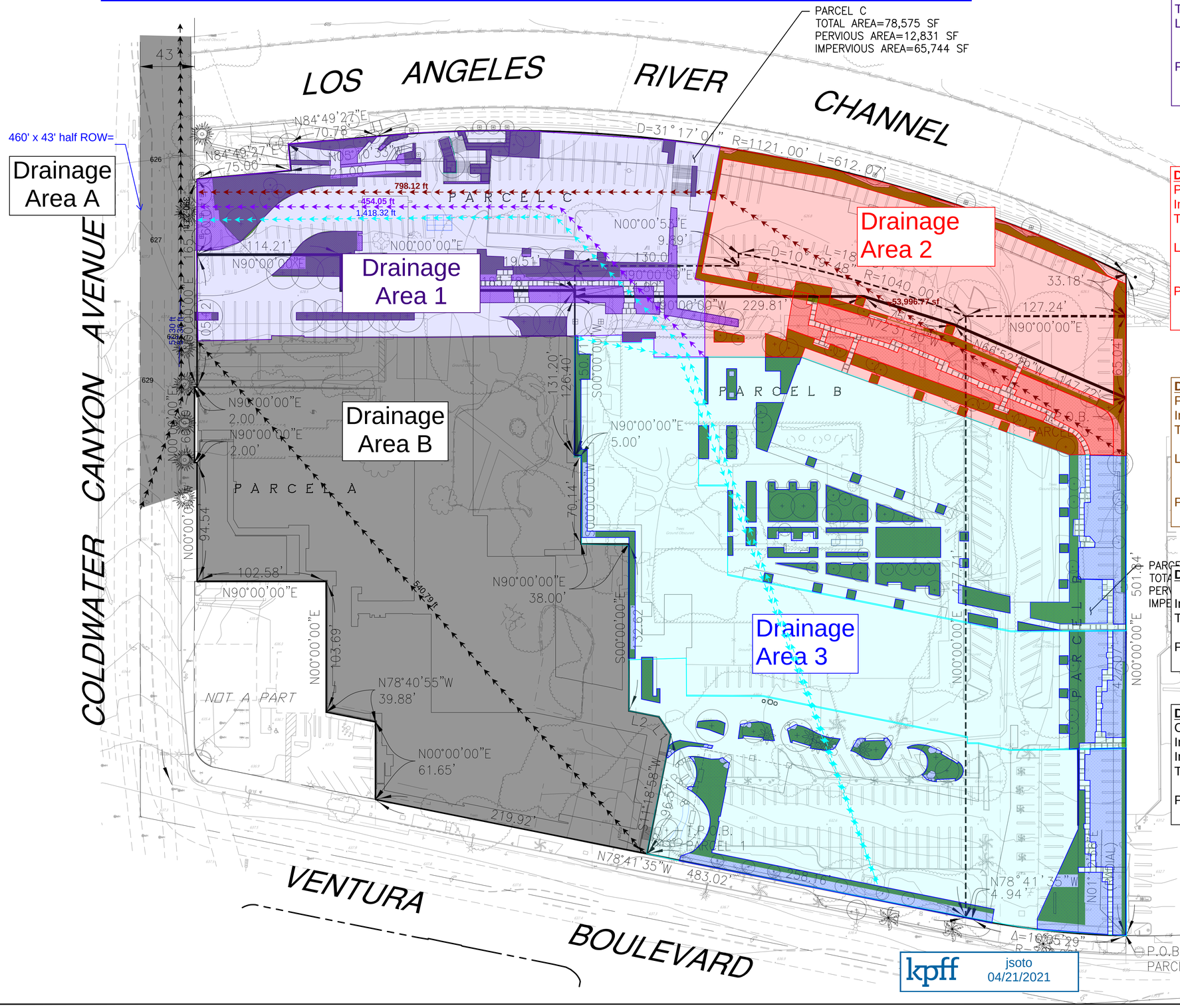
SURVEY (NOT FOR CONSTRUCTION PURPOSES)

2019107

C1.00

P:\2020\2000575 SportsmenSs Lodge Mixed Use\5 CAD\Sheets\Exhibit\2000575-C-SURVEY-EXHIBIT.dwg, Jan 04, 2021 - 12:09pm

FIGURE 4 - PROPOSED SITE DRAINAGE



Drainage Area 1
Pervious = 15,790 (25%)
Impervious = 47,370 (75%)
Total = 63,160.32 sf = 1.45 acres
LID Volume:
85th: 4,250 cf

Peak Flow Rate:
50yr: 5.18 cfs

Drainage Area 2
Pervious = 13,499 sf (25%)
Impervious = 40,498 sf (75%)
Total = 53,997 sf = 1.24 acres

LID Volume:
85th: 3,347 cf

Peak Flow Rate:
50yr: 4.82 cfs

Drainage Area 3
Pervious = 37,827 sf (25%)
Impervious = 113,476 sf (75%)
Total = 151,302 sf = 3.47 acres

LID Volume:
85th: 11,385 cf

Peak Flow Rate:
50yr: 4.83 cfs

Drainage Area A
Impervious = 19,780 sf (100%)
Total = 19,780 sf = 0.45 acres

Peak Flow Rate:
50yr: 1.75 cfs

Drainage Area B
Conservatively Assume 100% Impervious*
Impervious = 105,668 sf (100%)
Total = 151,302 sf = 2.42 acres

Peak Flow Rate:
50yr: 9.40 cfs

kpff jsoto 04/21/2021

N
0 20' 40'
SCALE: 1"=40'

kpff
700 South Flower Street
Suite 2100
Los Angeles, CA 90017
O: 213.418.0201
F: 213.266.5294
www.kpff.com

CONSULTANTS

STAMP

REVISIONS		
DATE		ISSUED FOR
XX/XX/XX	1	DESCRIPTION

DATE	XX.XX.XX
PROJECT NUMBER	XXXXXX
DESIGNED BY	XX
DRAWN BY	XX
CHECKED BY	XX
SCALE	AS SPECIFIED

KEY MAP

PROJECT DESCRIPTION

DRAWING TITLE

SHEET NUMBER (EXHIBIT NUMBER)

C1.00

P:\2020\2000575 Sportsmen\ls Lodge Mixed Use\5 CAD\Sheets\Exhibit\2000575-C-LLA-EXHIBIT-2.dwg, Apr 13, 2021 - 3:54pm

FIGURE 5.1 - EXISTING SITE DRAINAGE

Peak Flow Hydrologic Analysis

File location: C:/Users/mgooden/OneDrive - KPFF, Inc/Documents/Desktop/Sportsmans Lodge Report.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Sportsmans Lodge
Subarea ID	1E
Area (ac)	2.68
Flow Path Length (ft)	754.84
Flow Path Slope (vft/hft)	0.01282
50-yr Rainfall Depth (in)	7.23
Percent Impervious	0.9
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	7.23
Peak Intensity (in/hr)	3.6827
Undeveloped Runoff Coefficient (Cu)	0.8844
Developed Runoff Coefficient (Cd)	0.8984
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	8.8672
Burned Peak Flow Rate (cfs)	8.8672
24-Hr Clear Runoff Volume (ac-ft)	1.3327
24-Hr Clear Runoff Volume (cu-ft)	58052.6847

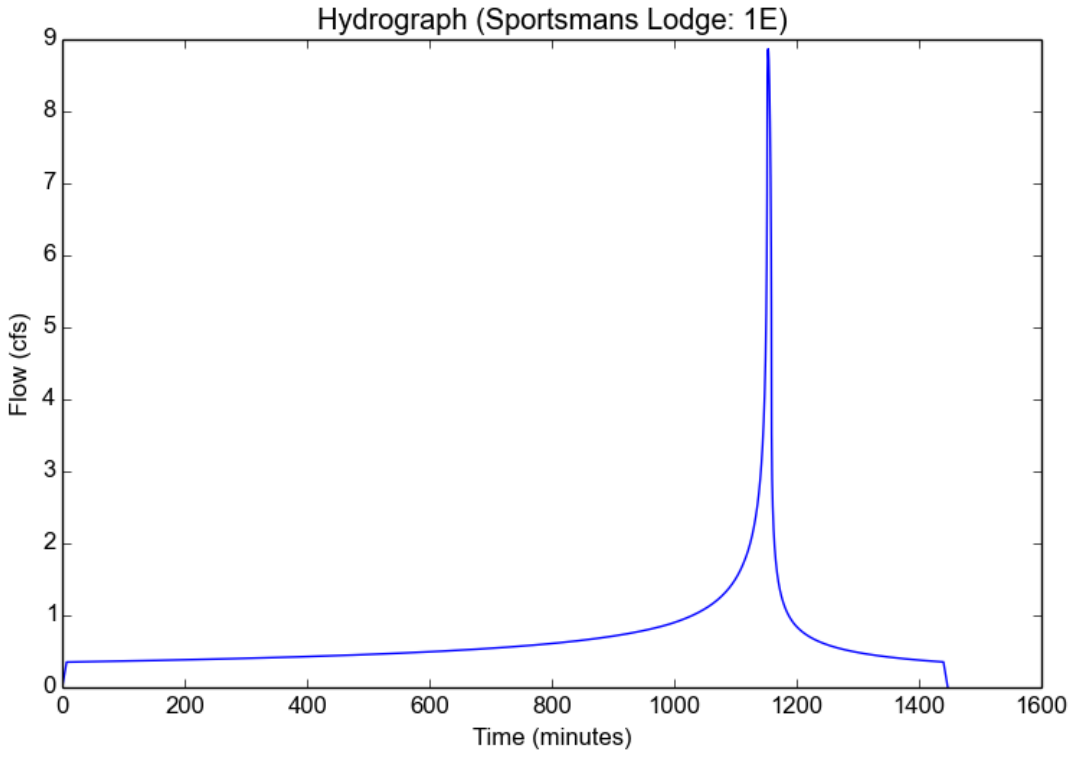


FIGURE 5.2 - EXISTING SITE DRAINAGE

Peak Flow Hydrologic Analysis

File location: C:/Users/mgooden/OneDrive - KPFF, Inc/Documents/Desktop/Sportsmans Lodge Report.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Sportsmans Lodge
Subarea ID	2E
Area (ac)	3.73
Flow Path Length (ft)	766.6
Flow Path Slope (vft/hft)	0.00994
50-yr Rainfall Depth (in)	7.23
Percent Impervious	0.9
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	7.23
Peak Intensity (in/hr)	3.4586
Undeveloped Runoff Coefficient (Cu)	0.8729
Developed Runoff Coefficient (Cd)	0.8973
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	11.5757
Burned Peak Flow Rate (cfs)	11.5757
24-Hr Clear Runoff Volume (ac-ft)	1.8548
24-Hr Clear Runoff Volume (cu-ft)	80796.0835

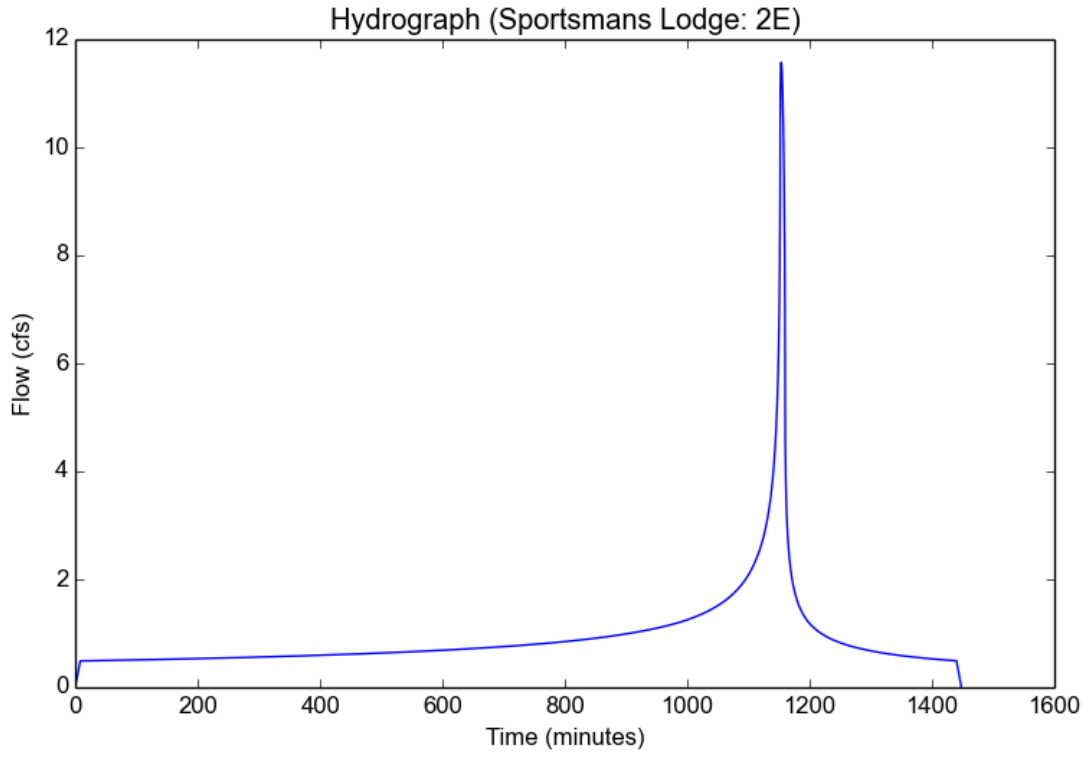


FIGURE 7.1 - PROJECT SITE DRAINAGE

Peak Flow Hydrologic Analysis

File location: C:/Users/mgooden/OneDrive - KPFF, Inc/Documents/Desktop/Sportsmans Lodge Report.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Sportsmans Lodge
Subarea ID	1P
Area (ac)	1.45
Flow Path Length (ft)	454.05
Flow Path Slope (vft/hft)	0.01101
50-yr Rainfall Depth (in)	7.23
Percent Impervious	0.75
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	7.23
Peak Intensity (in/hr)	3.9594
Undeveloped Runoff Coefficient (Cu)	0.8986
Developed Runoff Coefficient (Cd)	0.8996
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	5.1649
Burned Peak Flow Rate (cfs)	5.1649
24-Hr Clear Runoff Volume (ac-ft)	0.633
24-Hr Clear Runoff Volume (cu-ft)	27574.4842

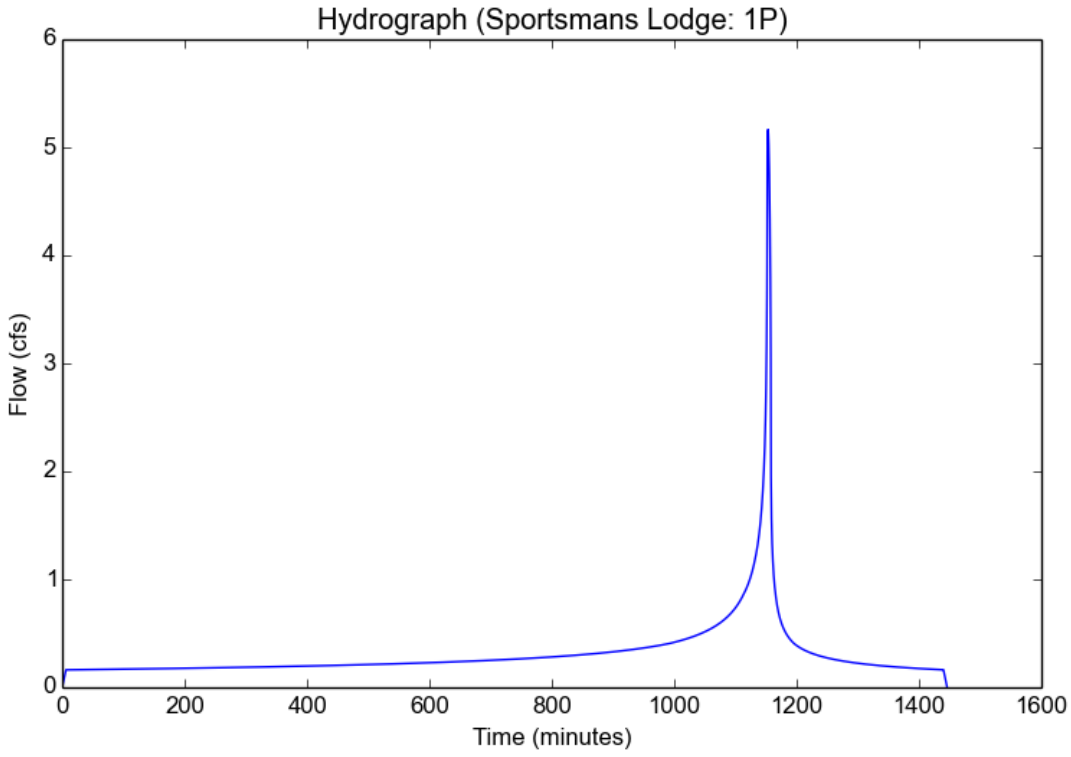


FIGURE 7.2 - PROJECT SITE DRAINAGE

Peak Flow Hydrologic Analysis

File location: C:/Users/mgooden/OneDrive - KPFF, Inc/Documents/Desktop/Sportsmans Lodge Report.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Sportsmans Lodge
Subarea ID	2P
Area (ac)	1.24
Flow Path Length (ft)	798.12
Flow Path Slope (vft/hft)	0.01033
50-yr Rainfall Depth (in)	7.23
Percent Impervious	0.75
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	7.23
Peak Intensity (in/hr)	3.4586
Undeveloped Runoff Coefficient (Cu)	0.8729
Developed Runoff Coefficient (Cd)	0.8932
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	3.8308
Burned Peak Flow Rate (cfs)	3.8308
24-Hr Clear Runoff Volume (ac-ft)	0.5413
24-Hr Clear Runoff Volume (cu-ft)	23578.653

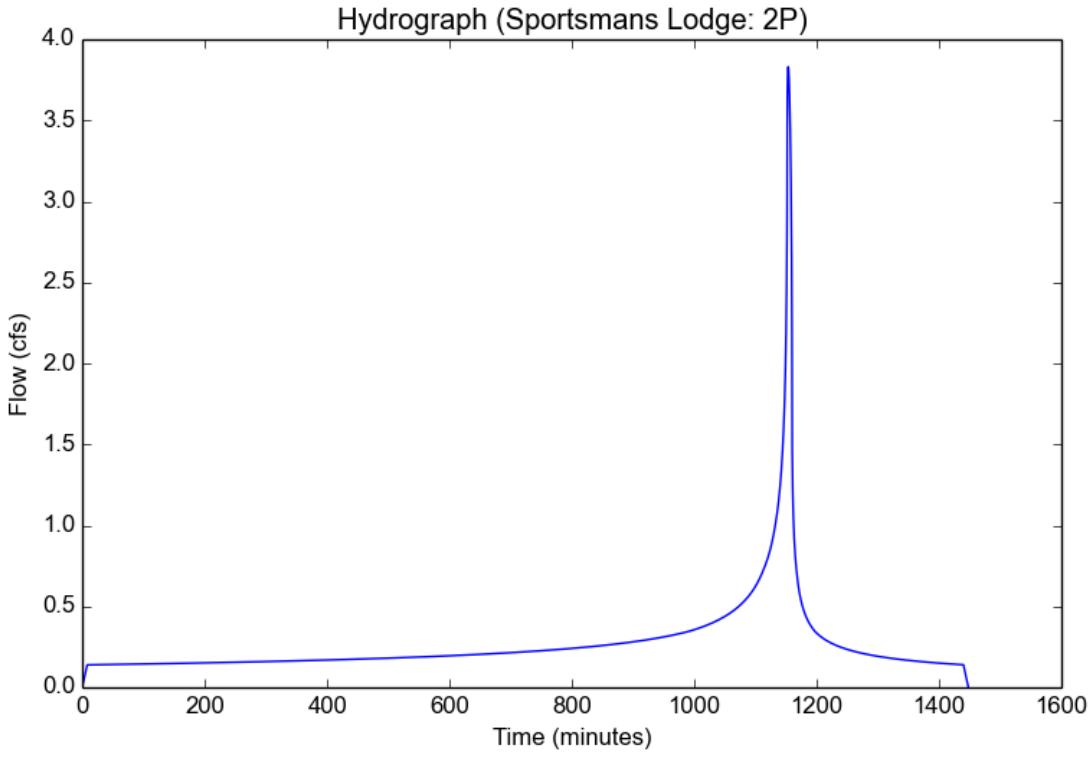


FIGURE 7.3 - PROJECT SITE DRAINAGE

Peak Flow Hydrologic Analysis

File location: C:/Users/mgooden/OneDrive - KPFF, Inc/Documents/Desktop/Sportsmans Lodge Report.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Sportsmans Lodge
Subarea ID	3P
Area (ac)	3.73
Flow Path Length (ft)	1418.32
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	7.23
Percent Impervious	0.75
Soil Type	16
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	7.23
Peak Intensity (in/hr)	2.8585
Undeveloped Runoff Coefficient (Cu)	0.8385
Developed Runoff Coefficient (Cd)	0.8846
Time of Concentration (min)	12.0
Clear Peak Flow Rate (cfs)	9.432
Burned Peak Flow Rate (cfs)	9.432
24-Hr Clear Runoff Volume (ac-ft)	1.628
24-Hr Clear Runoff Volume (cu-ft)	70915.4423

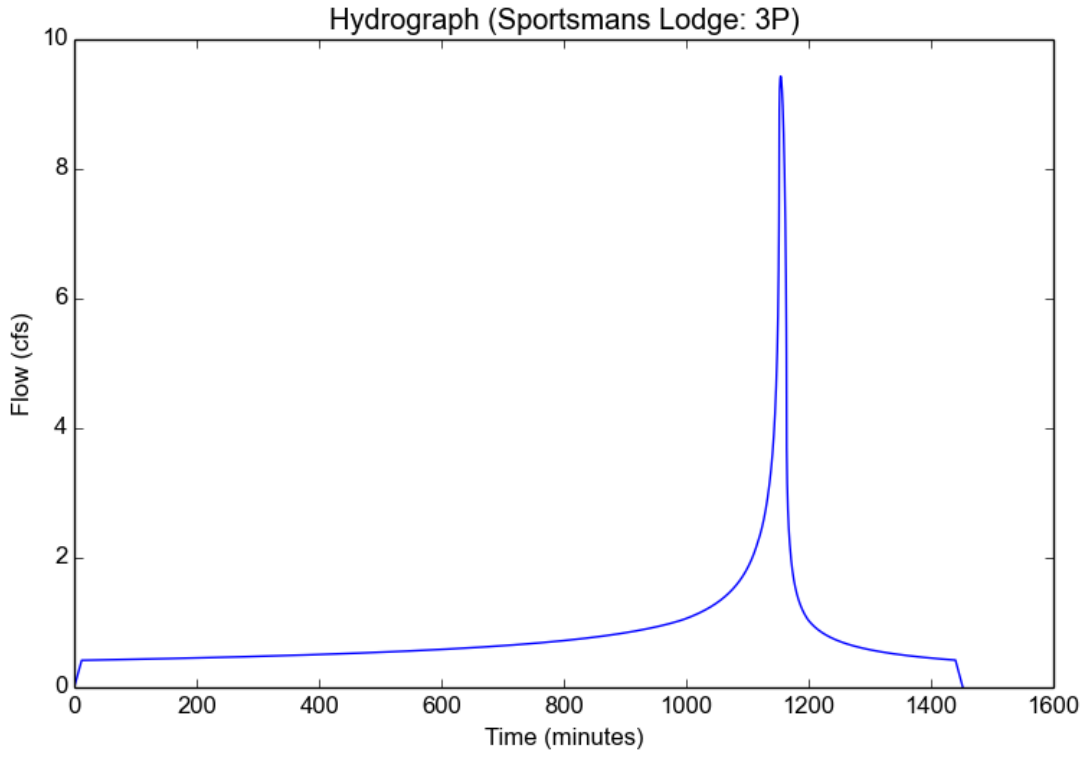
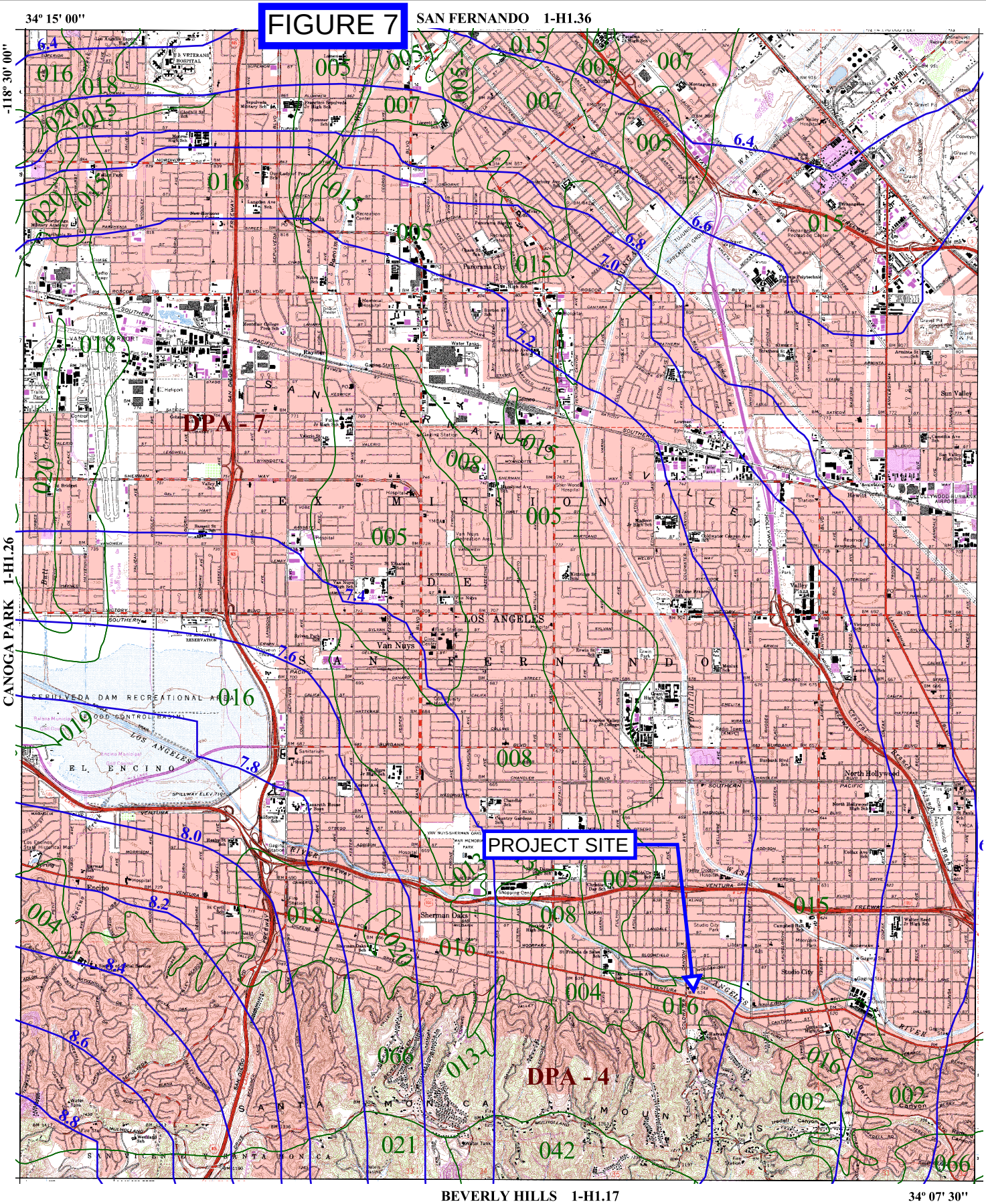


FIGURE 7



016 SOIL CLASSIFICATION AREA

7.2 INCHES OF RAINFALL

DPA - 6 DEBRIS POTENTIAL AREA

N W E S

1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

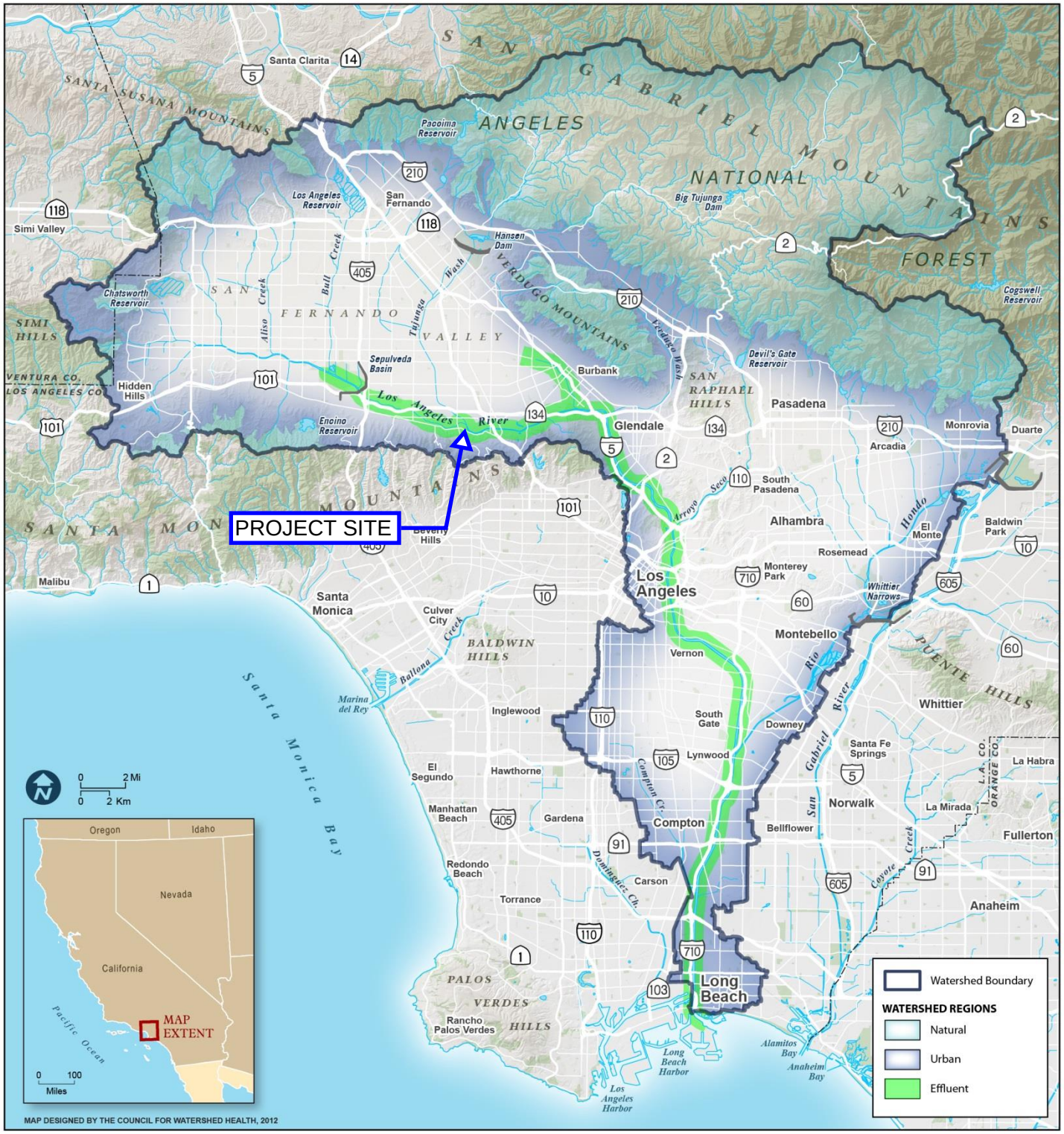
VAN NUYS
50-YEAR 24-HOUR ISOHYET

1-H1.27

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

Map: Los Angeles River Watershed

FIGURE 8



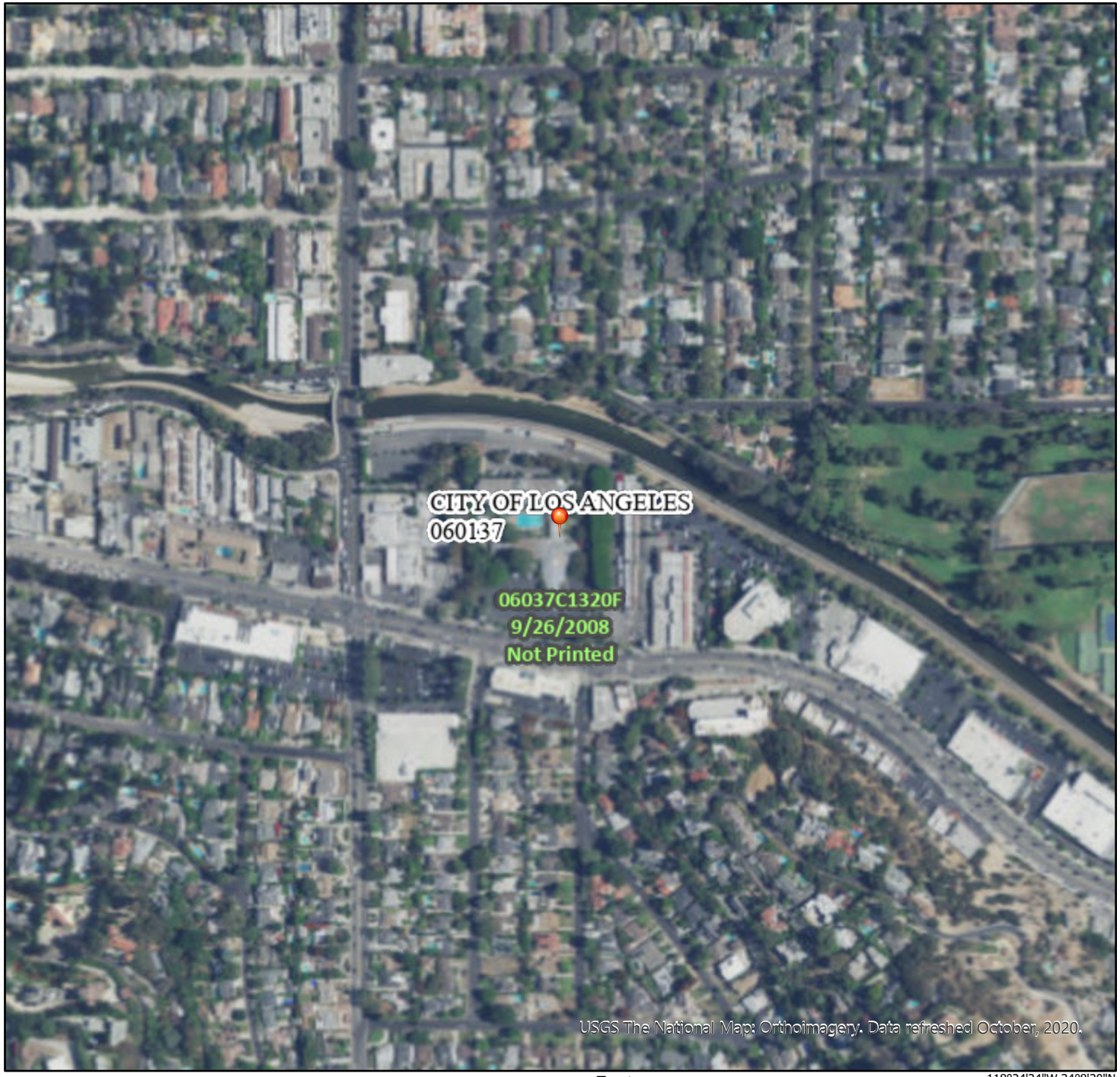
Credit: Council for Watershed Health

National Flood Hazard Layer FIRMette

FIGURE 9

FEMA

118°25'1"W 34°9'N



118°24'24"W 34°8'30"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

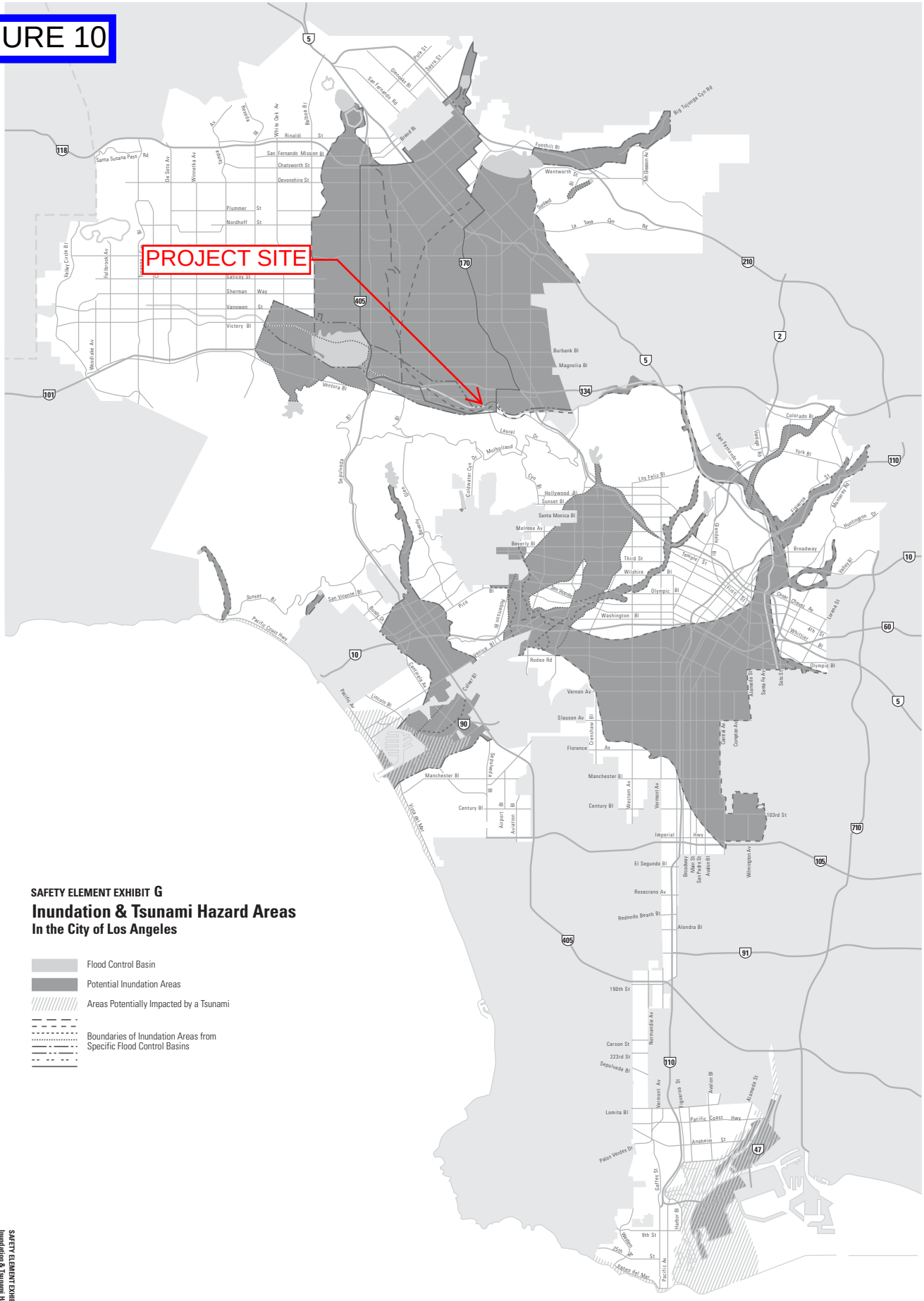
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/29/2020 at 5:34 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

FIGURE 10



SAFETY ELEMENT EXHIBIT G

Inundation & Tsunami Hazard Areas
In the City of Los Angeles

- Flood Control Basin
- Potential Inundation Areas
- Areas Potentially Impacted by a Tsunami
- Boundaries of Inundation Areas from Specific Flood Control Basins

SAFETY ELEMENT EXHIBIT G
Inundation & Tsunami Hazard Areas

Sources: Environmental Impact Report, Framework Element, Los Angeles City General Plan, May 1995; Technical Appendix to the Safety Element of the Los Angeles County General Plan Hazard Reduction in Los Angeles County, Volume 2, Plate 6, "Flood and Inundation Hazards" January 1990; California Environmental Quality Act of 1970 (CEQA), Public Resources Code Section 21000 *et. seq.* with guidelines as amended, 1992; California Government Code Title 7 chapter 3, article 5 section 65302(g), as amended 1993.

Prepared by the General Plan Framework Section • City of Los Angeles Planning Department • Citywide Graphics • March, 1994 • Council File No. 89-2104

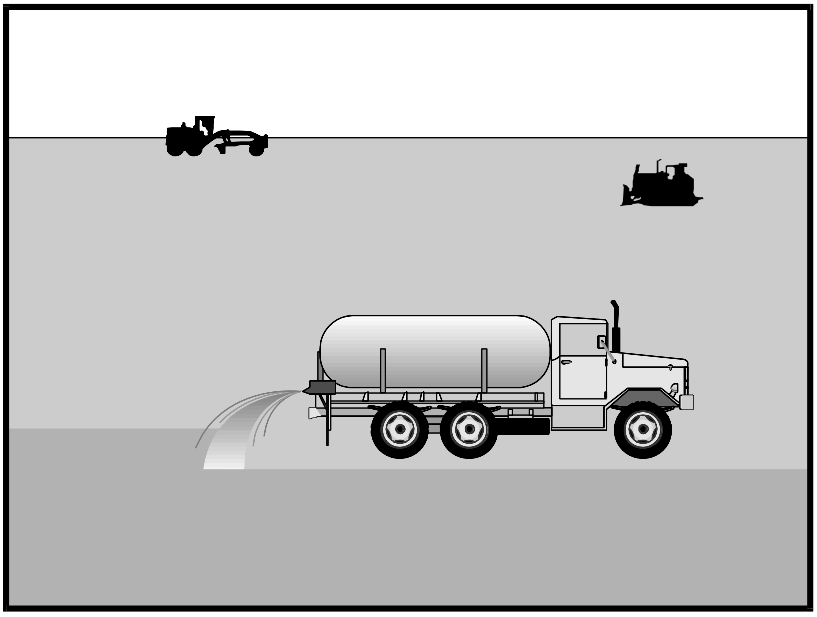
N

1 1/2 0 1 2 3 4 5 KILOMETERS

1 1/2 1/4 0 1 2 3 4 MILES

Soil Binders

EC-5



Categories

EC	Erosion Control	☑
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	☒
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Category**

☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

EC-3 Hydraulic Mulch

EC-4 Hydroseeding

EC-6 Straw Mulch

EC-7 Geotextiles and Mats

EC-8 Wood Mulching

Description and Purpose

Soil binding consists of application and maintenance of a soil stabilizer to exposed soil surfaces. Soil binders are materials applied to the soil surface to temporarily prevent water and wind induced erosion of exposed soils on construction sites.

Suitable Applications

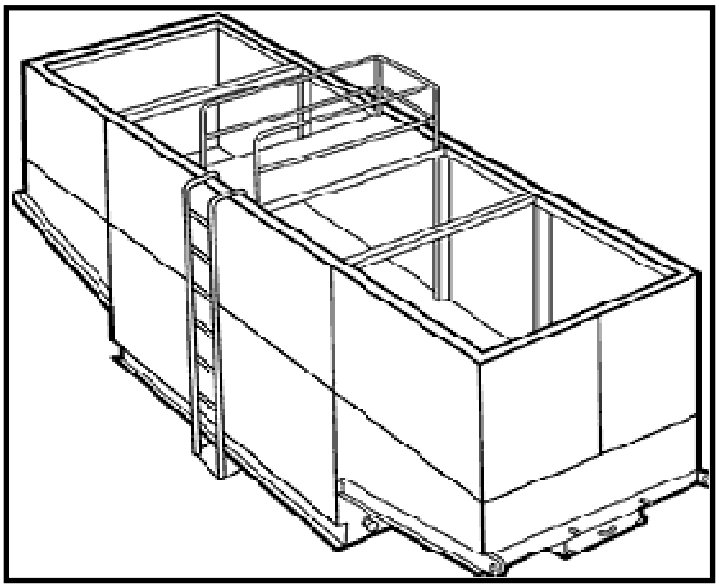
Soil binders are typically applied to disturbed areas requiring temporary protection. Because soil binders, when used as a stand-alone practice, can often be incorporated into the soil, they are a good alternative to mulches in areas where grading activities will soon resume. Soil binders are commonly used in the following areas:

- Rough graded soils that will be inactive for a short period of time
- Soil stockpiles
- Temporary haul roads prior to placement of crushed rock
- Compacted soil road base
- Construction staging, materials storage, and layout areas

Limitations

- Soil binders are temporary in nature and may need reapplication.

Dewatering Operations NS-2



Categories		
EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	☑
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

SE-5: Fiber Roll

SE-6: Gravel Bag Berm

Description and Purpose

Dewatering operations are practices that manage the discharge of pollutants when non-stormwater and accumulated precipitation (stormwater) must be removed from a work location to proceed with construction work or to provide vector control.

The General Permit incorporates Numeric Effluent Limits (NEL) and Numeric Action Levels (NAL) for turbidity (see Section 2 of this handbook to determine your project's risk level and if you are subject to these requirements).

Discharges from dewatering operations can contain high levels of fine sediment that, if not properly treated, could lead to exceedences of the General Permit requirements.

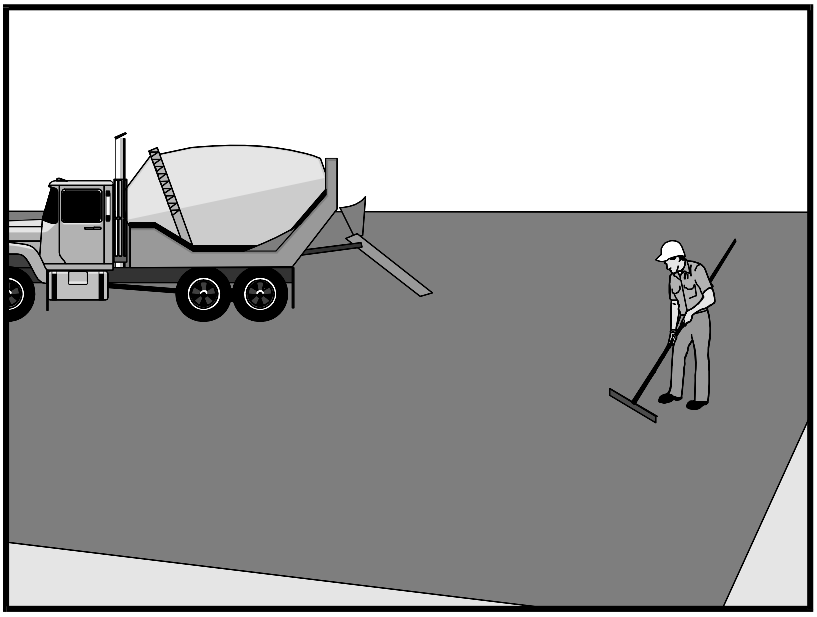
Suitable Applications

These practices are implemented for discharges of non-stormwater from construction sites. Non-stormwaters include, but are not limited to, groundwater, water from cofferdams, water diversions, and waters used during construction activities that must be removed from a work area to facilitate construction.

Practices identified in this section are also appropriate for implementation when managing the removal of accumulated precipitation (stormwater) from depressed areas at a construction site.

Stormwater mixed with non-stormwater should be managed as non-stormwater.

Paving and Grinding Operations NS-3



Categories		
EC	Erosion Control	
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	☑
WM	Waste Management and Materials Pollution Control	☒

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent runon and runoff pollution, properly disposing of wastes, and training employees and subcontractors.

The General Permit incorporates Numeric Effluent Limits (NEL) and Numeric Action Levels (NAL) for pH and turbidity (see Section 2 of this handbook to determine your project's risk level and if you are subject to these requirements).

Many types of construction materials associated with paving and grinding operations, including mortar, concrete, and cement and their associated wastes have basic chemical properties that can raise pH levels outside of the permitted range. Additional care should be taken when managing these materials to prevent them from coming into contact with stormwater flows, which could lead to exceedances of the General Permit requirements.

Suitable Applications

These procedures are implemented where paving, surfacing, resurfacing, or sawcutting, may pollute stormwater runoff or discharge to the storm drain system or watercourses.

Limitations

- Paving opportunities may be limited during wet weather.
- Discharges of freshly paved surfaces may raise pH to environmentally harmful levels and trigger permit violations.

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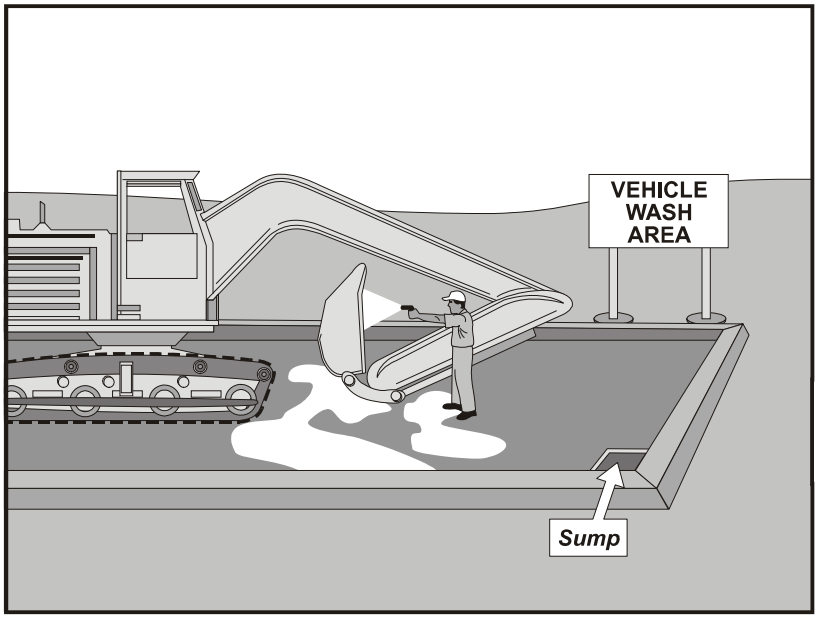
Vehicle and Equipment Cleaning NS-8



Categories

EC	Erosion Control	
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	☑
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Objective**

☒ **Secondary Objective**

Targeted Constituents

Sediment	☑
Nutrients	☑
Trash	
Metals	
Bacteria	
Oil and Grease	☑
Organics	☑

Potential Alternatives

None

Description and Purpose

Vehicle and equipment cleaning procedures and practices eliminate or reduce the discharge of pollutants to stormwater from vehicle and equipment cleaning operations. Procedures and practices include but are not limited to: using offsite facilities; washing in designated, contained areas only; eliminating discharges to the storm drain by infiltrating the wash water; and training employees and subcontractors in proper cleaning procedures.

Suitable Applications

These procedures are suitable on all construction sites where vehicle and equipment cleaning is performed.

Limitations

Even phosphate-free, biodegradable soaps have been shown to be toxic to fish before the soap degrades. Sending vehicles/equipment offsite should be done in conjunction with TC-1, Stabilized Construction Entrance/Exit.

Implementation

Other options to washing equipment onsite include contracting with either an offsite or mobile commercial washing business. These businesses may be better equipped to handle and dispose of the wash waters properly. Performing this work offsite can also be economical by eliminating the need for a separate washing operation onsite.

If washing operations are to take place onsite, then:

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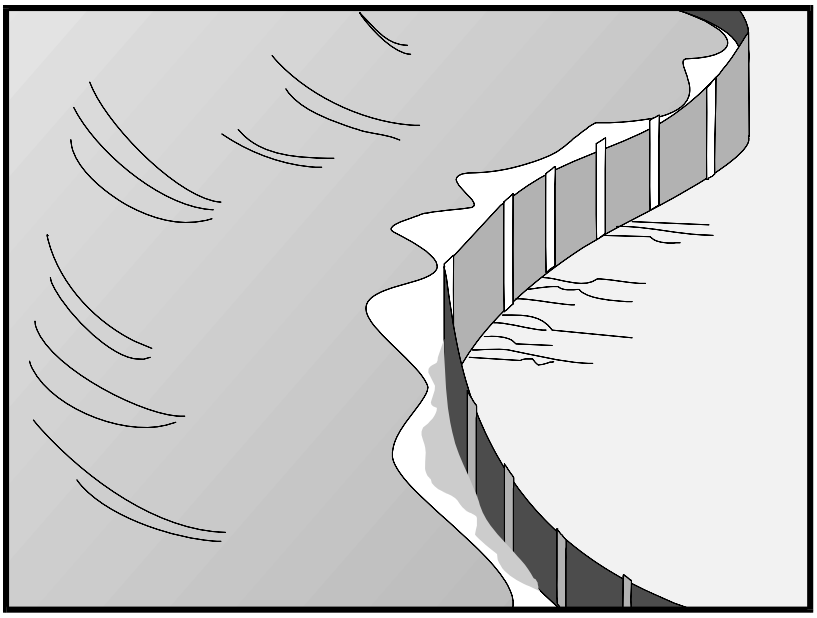
Silt Fence SE-1



Description and Purpose

A silt fence is made of a woven geotextile that has been entrenched, attached to supporting poles, and sometimes backed by a plastic or wire mesh for support. The silt fence detains sediment-laden water, promoting sedimentation behind the fence.

Suitable Applications

Silt fences are suitable for perimeter control, placed below areas where sheet flows discharge from the site. They could also be used as interior controls below disturbed areas where runoff may occur in the form of sheet and rill erosion and around inlets within disturbed areas (SE-10). Silt fences are generally ineffective in locations where the flow is concentrated and are only applicable for sheet or overland flows. Silt fences are most effective when used in combination with erosion controls. Suitable applications include:

- Along the perimeter of a project.
- Below the toe or down slope of exposed and erodible slopes.
- Along streams and channels.
- Around temporary spoil areas and stockpiles.
- Around inlets.
- Below other small cleared areas.

Categories

EC	Erosion Control	
SE	Sediment Control	☑
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Category**

☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-5 Fiber Rolls

SE-6 Gravel Bag Berm

SE-8 Sandbag Barrier

SE-10 Storm Drain Inlet Protection

SE-14 Biofilter Bags

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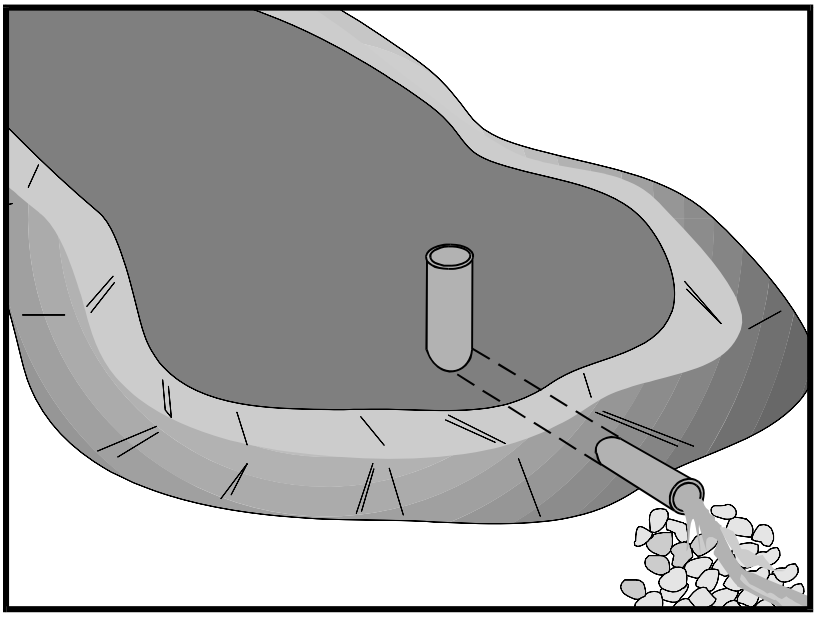
Sediment Basin SE-2



Description and Purpose

A sediment basin is a temporary basin formed by excavation or by constructing an embankment so that sediment-laden runoff is temporarily detained under quiescent conditions, allowing sediment to settle out before the runoff is discharged.

Sediment basin design guidance presented in this fact sheet is intended to provide options, methods, and techniques to optimize temporary sediment basin performance and basin sediment removal. Basin design guidance provided in this fact sheet is not intended to guarantee basin effluent compliance with numeric discharge limits (numeric action levels or numeric effluent limits for turbidity). Compliance with discharge limits requires a thoughtful approach to comprehensive BMP planning, implementation, and maintenance. Therefore, optimally designed and maintained sediment basins should be used in conjunction with a comprehensive system of BMPs that includes:

- Diverting runoff from undisturbed areas away from the basin
- Erosion control practices to minimize disturbed areas on-site
  and to provide temporary stabilization and interim sediment controls (e.g., stockpile perimeter control, check dams, perimeter controls around individual lots) to reduce the basin's influent sediment concentration.

At some sites, sediment basin design enhancements may be required to adequately remove sediment. Traditional

Categories

EC	Erosion Control	
SE	Sediment Control	☑
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Category**

☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-3 Sediment Trap (for smaller areas)

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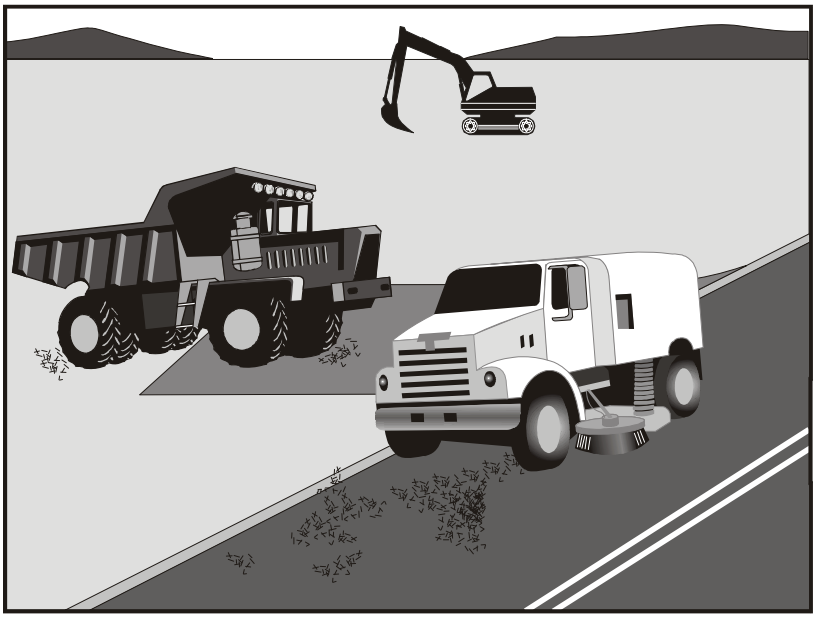
Street Sweeping and Vacuuming SE-7



Categories		
EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Objective**
☒ **Secondary Objective**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	☑
Metals	
Bacteria	
Oil and Grease	☑
Organics	

Potential Alternatives

None

Description and Purpose

Street sweeping and vacuuming includes use of self-propelled and walk-behind equipment to remove sediment from streets and roadways, and to clean paved surfaces in preparation for final paving. Sweeping and vacuuming prevents sediment from the project site from entering storm drains or receiving waters.

Suitable Applications

Sweeping and vacuuming are suitable anywhere sediment is tracked from the project site onto public or private paved streets and roads, typically at points of egress. Sweeping and vacuuming are also applicable during preparation of paved surfaces for final paving.

Limitations

Sweeping and vacuuming may not be effective when sediment is wet or when tracked soil is caked (caked soil may need to be scraped loose).

Implementation

- Controlling the number of points where vehicles can leave the site will allow sweeping and vacuuming efforts to be focused, and perhaps save money.
- Inspect potential sediment tracking locations daily.
- Visible sediment tracking should be swept or vacuumed on a daily basis.
- Do not use kick brooms or sweeper attachments. These tend to spread the dirt rather than remove it.

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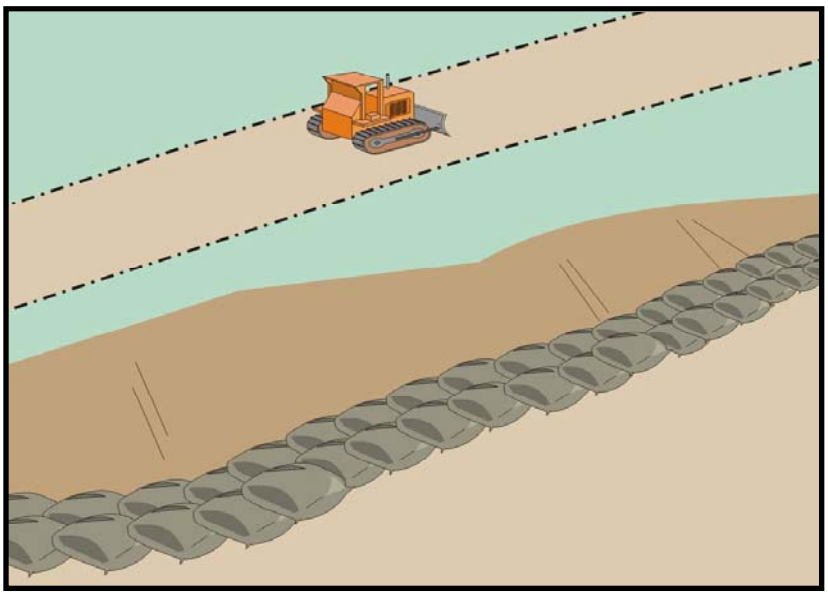
Sandbag Barrier SE-8



Categories		
EC	Erosion Control	☒
SE	Sediment Control	☑
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Description and Purpose

A sandbag barrier is a series of sand-filled bags placed on a level contour to intercept or to divert sheet flows. Sandbag barriers placed on a level contour pond sheet flow runoff, allowing sediment to settle out.

Suitable Applications

Sandbag barriers may be suitable:

- As a linear sediment control measure:
  - Below the toe of slopes and erodible slopes.
  - As sediment traps at culvert/pipe outlets.
  - Below other small cleared areas.
  - Along the perimeter of a site.
  - Down slope of exposed soil areas.
  - Around temporary stockpiles and spoil areas.
  - Parallel to a roadway to keep sediment off paved areas.
  - Along streams and channels.
- As linear erosion control measure:
  - Along the face and at grade breaks of exposed and erodible slopes to shorten slope length and spread runoff as sheet flow.

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives
SE-1 Silt Fence
SE-5 Fiber Rolls
SE-6 Gravel Bag Berm
SE-14 Biofilter Bags

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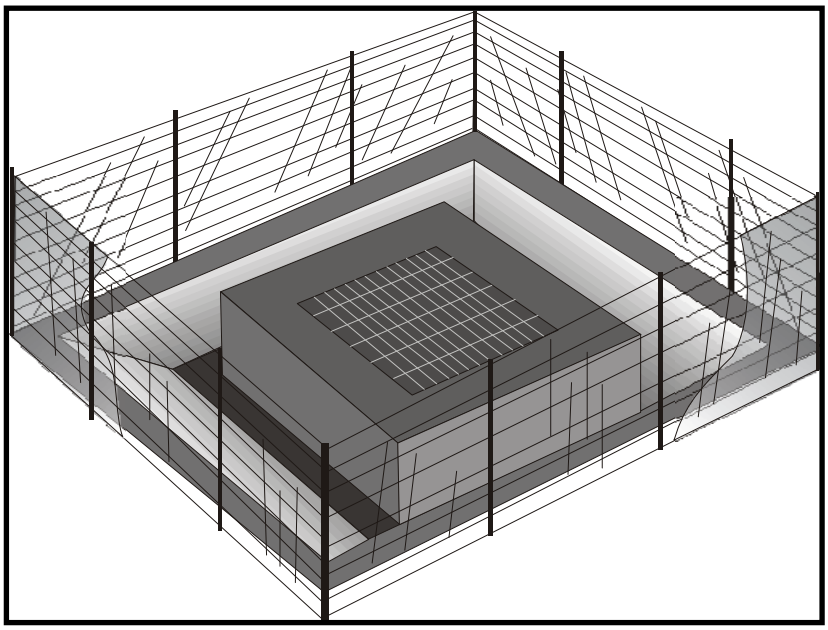
Storm Drain Inlet Protection SE-10



Categories

EC	Erosion Control	
SE	Sediment Control	☑
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:

☑ **Primary Category**

☒ **Secondary Category**

Targeted Constituents

Sediment	☑
Nutrients	
Trash	☒
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

SE-1 Silt Fence

SE-5 Fiber Rolls

SE-6 Gravel Bag Berm

SE-8 Sandbag Barrier

SE-14 Biofilter Bags

Description and Purpose

Storm drain inlet protection consists of a sediment filter or an impounding area in, around or upstream of a storm drain, drop inlet, or curb inlet. Storm drain inlet protection measures temporarily pond runoff before it enters the storm drain, allowing sediment to settle. Some filter configurations also remove sediment by filtering, but usually the ponding action results in the greatest sediment reduction. Temporary geotextile storm drain inserts attach underneath storm drain grates to capture and filter storm water.

Suitable Applications

Every storm drain inlet receiving runoff from unstabilized or otherwise active work areas should be protected. Inlet protection should be used in conjunction with other erosion and sediment controls to prevent sediment-laden stormwater and non-stormwater discharges from entering the storm drain system.

Limitations

- Drainage area should not exceed 1 acre.
- In general straw bales should not be used as inlet protection.
- Requires an adequate area for water to pond without encroaching into portions of the roadway subject to traffic.

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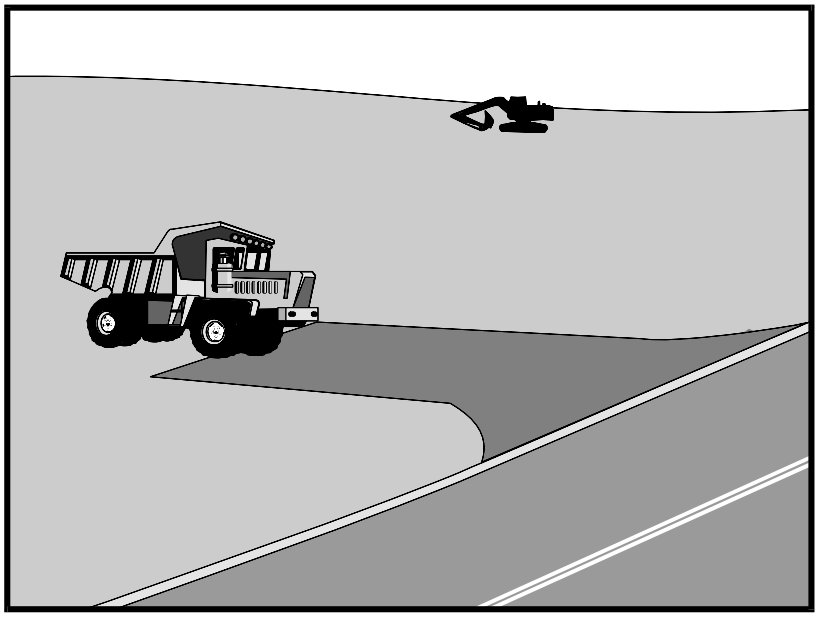
Stabilized Construction Entrance/Exit TC-1



Categories		
EC	Erosion Control	☒
SE	Sediment Control	☒
TC	Tracking Control	☑
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Objective**
☒ **Secondary Objective**

Description and Purpose

A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

Suitable Applications

Use at construction sites:

- Where dirt or mud can be tracked onto public roads.
- Adjacent to water bodies.
- Where poor soils are encountered.
- Where dust is a problem during dry weather conditions.

Limitations

- Entrances and exits require periodic top dressing with additional stones.
- This BMP should be used in conjunction with street sweeping on adjacent public right of way.
- Entrances and exits should be constructed on level ground only.
- Stabilized construction entrances are rather expensive to construct and when a wash rack is included, a sediment trap of some kind must also be provided to collect wash water

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

None

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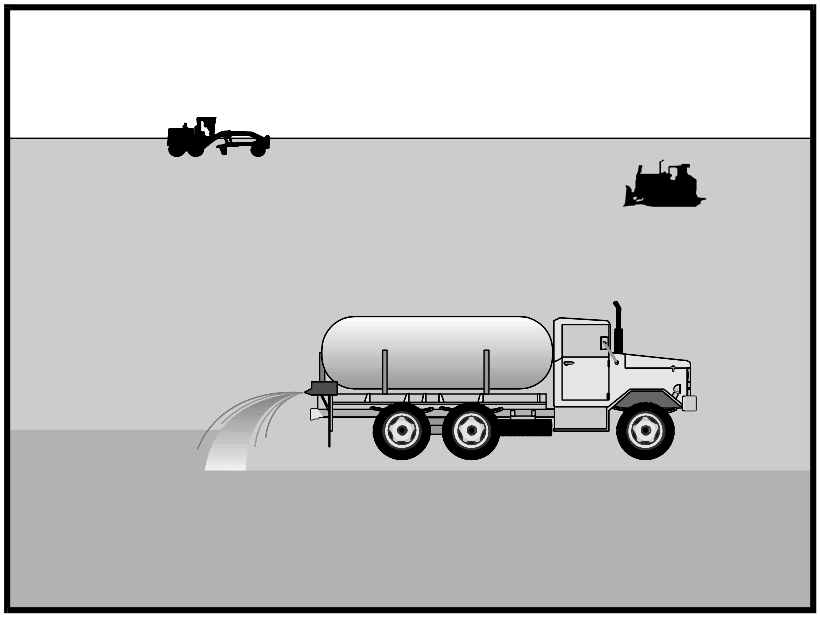
Wind Erosion Control WE-1



Categories		
EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	
WE	Wind Erosion Control	☑
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents	
Sediment	☑
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

Potential Alternatives

EC-5 Soil Binders

Description and Purpose

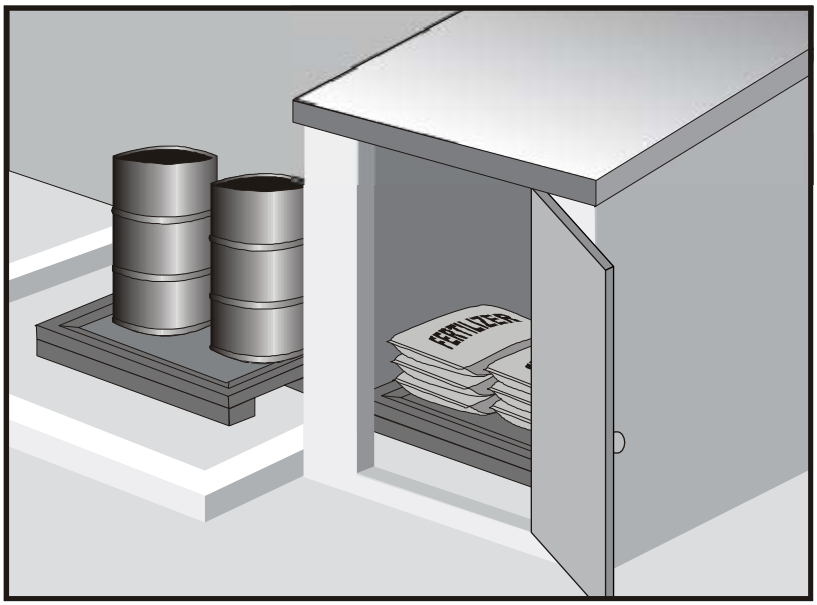
Wind erosion or dust control consists of applying water or other chemical dust suppressants as necessary to prevent or alleviate dust nuisance generated by construction activities. Covering small stockpiles or areas is an alternative to applying water or other dust palliatives.

California's Mediterranean climate, with a short "wet" season and a typically long, hot "dry" season, allows the soils to thoroughly dry out. During the dry season, construction activities are at their peak, and disturbed and exposed areas are increasingly subject to wind erosion, sediment tracking and dust generated by construction equipment. Site conditions and climate can make dust control more of an erosion problem than water based erosion. Additionally, many local agencies, including Air Quality Management Districts, require dust control and/or dust control permits in order to comply with local nuisance laws, opacity laws (visibility impairment) and the requirements of the Clean Air Act. Wind erosion control is required to be implemented at all construction sites greater than 1 acre by the General Permit.

Suitable Applications

Most BMPs that provide protection against water-based erosion will also protect against wind-based erosion and dust control requirements required by other agencies will generally meet wind erosion control requirements for water quality protection. Wind erosion control BMPs are suitable during the following construction activities:

Material Delivery and Storage WM-1



Categories		
EC	Erosion Control	
SE	Sediment Control	
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	☑

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents	
Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	
Oil and Grease	☑
Organics	☑

Potential Alternatives

None

Description and Purpose

Prevent, reduce, or eliminate the discharge of pollutants from material delivery and storage to the stormwater system or watercourses by minimizing the storage of hazardous materials onsite, storing materials in watertight containers and/or a completely enclosed designated area, installing secondary containment, conducting regular inspections, and training employees and subcontractors.

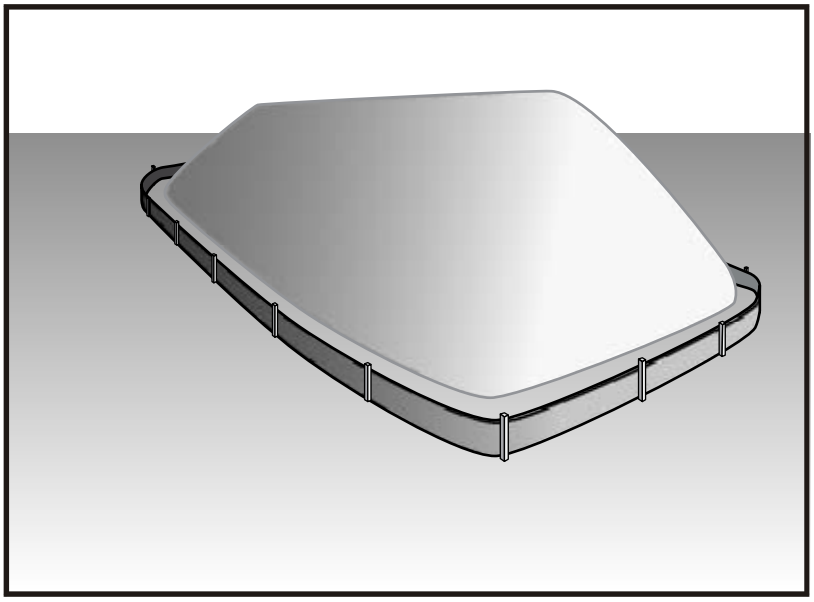
This best management practice covers only material delivery and storage. For other information on materials, see WM-2, Material Use, or WM-4, Spill Prevention and Control. For information on wastes, see the waste management BMPs in this section.

Suitable Applications

These procedures are suitable for use at all construction sites with delivery and storage of the following materials:

- Soil stabilizers and binders
- Pesticides and herbicides
- Fertilizers
- Detergents
- Plaster
- Petroleum products such as fuel, oil, and grease

Stockpile Management WM-3



Categories		
EC	Erosion Control	
SE	Sediment Control	☒
TC	Tracking Control	
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	☒
WM	Waste Management and Materials Pollution Control	☑

Legend:
☑ **Primary Category**
☒ **Secondary Category**

Targeted Constituents	
Sediment	☑
Nutrients	☑
Trash	☑
Metals	☑
Bacteria	
Oil and Grease	☑
Organics	☑

Potential Alternatives

None

Description and Purpose

Stockpile management procedures and practices are designed to reduce or eliminate air and stormwater pollution from stockpiles of soil, soil amendments, sand, paving materials such as portland cement concrete (PCC) rubble, asphalt concrete (AC), asphalt concrete rubble, aggregate base, aggregate sub base or pre-mixed aggregate, asphalt minder (so called "cold mix" asphalt), and pressure treated wood.

Suitable Applications

Implement in all projects that stockpile soil and other loose materials.

Limitations

- Plastic sheeting as a stockpile protection is temporary and hard to manage in windy conditions. Where plastic is used, consider use of plastic tarps with nylon reinforcement which may be more durable than standard sheeting.
- Plastic sheeting can increase runoff volume due to lack of infiltration and potentially cause perimeter control failure.
- Plastic sheeting breaks down faster in sunlight.
- The use of Plastic materials and photodegradable plastics should be avoided.

Implementation

Protection of stockpiles is a year-round requirement. To properly manage stockpiles:

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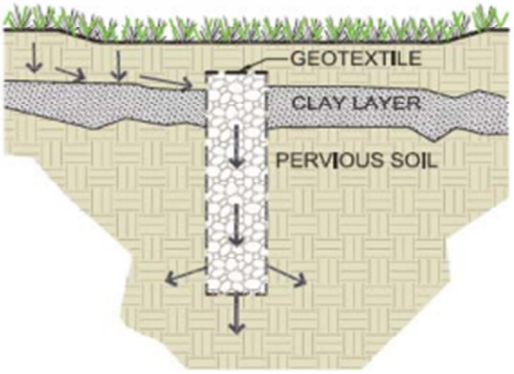
EXHIBIT 2
TYPICAL LID BMPs

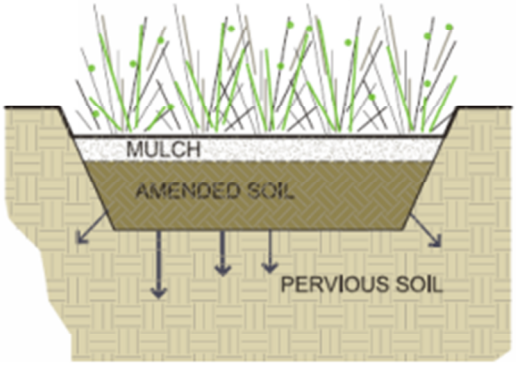
Dry Wells

A dry well is defined as an excavated, bored, drilled, or driven shaft or hole whose depth is greater than its width. Drywells are similar to infiltration trenches in their design and function, as they are designed to temporarily store and infiltrate runoff, primarily from rooftops or other impervious areas with low pollutant loading. A dry well may be either a drilled borehole filled with aggregate or a prefabricated storage chamber or pipe segment.



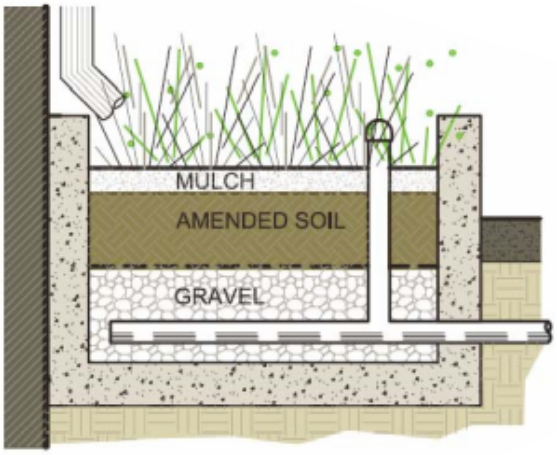
Bioretention

Bioretention stormwater treatment facilities are landscaped shallow depressions that capture and filter stormwater runoff. These facilities function as a soil and plant-based filtration device that removes pollutants through a variety of physical, biological, and chemical treatment processes. The facilities normally consist of a ponding area, mulch layer, planting soils, plantings, and, optionally, a subsurface gravel reservoir layer.



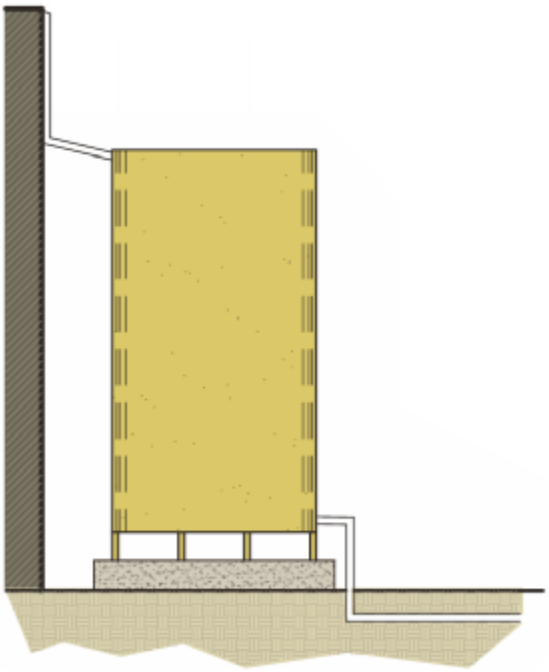
Planter Boxes

Planter boxes are bioretention treatment control measures that are completely contained within an impermeable structure with an underdrain (they do not infiltrate). They are similar to bioretention facilities with underdrains except they are situated at or above ground and are bound by impermeable walls. Planter boxes may be placed adjacent to or near buildings, other structures, or sidewalks.



4.5 CAPTURE AND USE BMPS

Capture and Use refers to a specific type of BMP that operates by capturing stormwater runoff and holding it for efficient use at a later time. On a commercial or industrial scale, capture and use BMPs are typically synonomous with cisterns, which can be implemented both above and below ground. Cisterns are sized to store a specified volume of water with no surface discharge until this volume is exceeded. The primary use of captured runoff is for subsurface drip irrigation purposes. The temporary storage of roof runoff reduces the runoff volume from a property and may reduce the peak runoff velocity for small, frequently occurring storms. In addition, by reducing the amount of stormwater runoff that flows overland into a stormwater conveyance system, less pollutants are transported through the conveyance system into local streams and the ocean. The onsite use of the harvested water for non-potable domestic purposes conserves City-supplied potable water and, where directed to unpaved surfaces, can recharge groundwater in local aquifers.

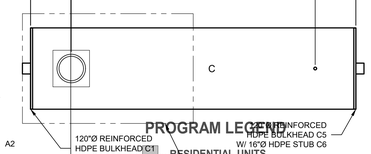


Cistern Example

XERXES FIBERGLASS TANKS:

	10'	20,000	20,055	10'-4"	37'-8.75"	5,700
	10'	25,000	25,783	10'-4"	47'-6.75"	7,900
	10'	30,000	30,590	10'-4"	55'-9.75"	9,400
	10'	35,000	35,397	10'-4"	64'-.75"	10,500
	10'	40,000	41,004	10'-4"	73'-8.25"	12,100
	12'	20,000	20,781	11'-11"	29'-4"	9,200
D=	12'	25,000	25,541	11'-11"	L= 35'-7"	10,600
	12'	30,000	31,253	11'-11"	43'-1"	12,500
	12'	35,000	36,013	11'-11"	49'-4"	13,900
	12'	40,000	39,821	11'-11"	54'-4"	15,000

CISTERN TANKS



PROGRAM LEGEND

- RESIDENTIAL UNITS
- RESIDENTIAL AMENITIES
- RESIDENTIAL BACK OF HOUSE
- RETAIL TENANT SPACE
- OTHER BACK OF HOUSE

SYMBOL LEGEND

- OPEN AIR FEATURE STAIR
- EGRESS STAIR
- ELEVATOR
- TRASH ROOM
- TRASH CHUTE

TRUE NORTH

FLOOR PLATE PLAN - LEVEL 1 1/32" = 1'-0"

OVERALL GARAGE FLOOR PLAN - LEVEL P1 1/32" = 1'-0"

OWNER
MIDWOOD DEVELOPMENT
430 PARK AVENUE
2ND FLOOR
NEW YORK, NY 10022
TEL: (212) 652-9556

DESIGN ARCHITECT
MARMOL RADZINER
12210 NEBRASKA AVENUE
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TEL: (310) 826-4222

ARCHITECT OF RECORD
MVE + PARTNERS
1900 MAIN STREET
8TH FLOOR
IRVINE, CA 92614
TEL: (949) 809-3388

LANDSCAPE ARCHITECT
OLIN
5900 WILSHIRE BLVD.
SUITE 2375
LOS ANGELES, CA 90036
TEL: (323) 387-2056

STRUCTURAL ENGINEER
MIYAMOTO
707 WILSHIRE BLVD.
SUITE 5100
LOS ANGELES, CA 90017
TEL: (213) 362-7779

CIVIL ENGINEER
KPFF
700 S. FLOWER STREET
SUITE 2100
LOS ANGELES, CA 90017
TEL: (213) 418-0201

MEP ENGINEER
TK1SC
515 S. FIGUEROA STREET
SUITE 1400
LOS ANGELES, CA 90071
TEL: (949) 757-5817

THE RESIDENCES AT SPORTSMEN'S LODGE

12825 VENTURA BLVD.
STUDIO CITY, CA 91604

REVISIONS

OVERALL FLOOR PLAN - LEVEL P1

STAMP

MARMOL RADZINER
FEBRUARY 4, 2020

2019107

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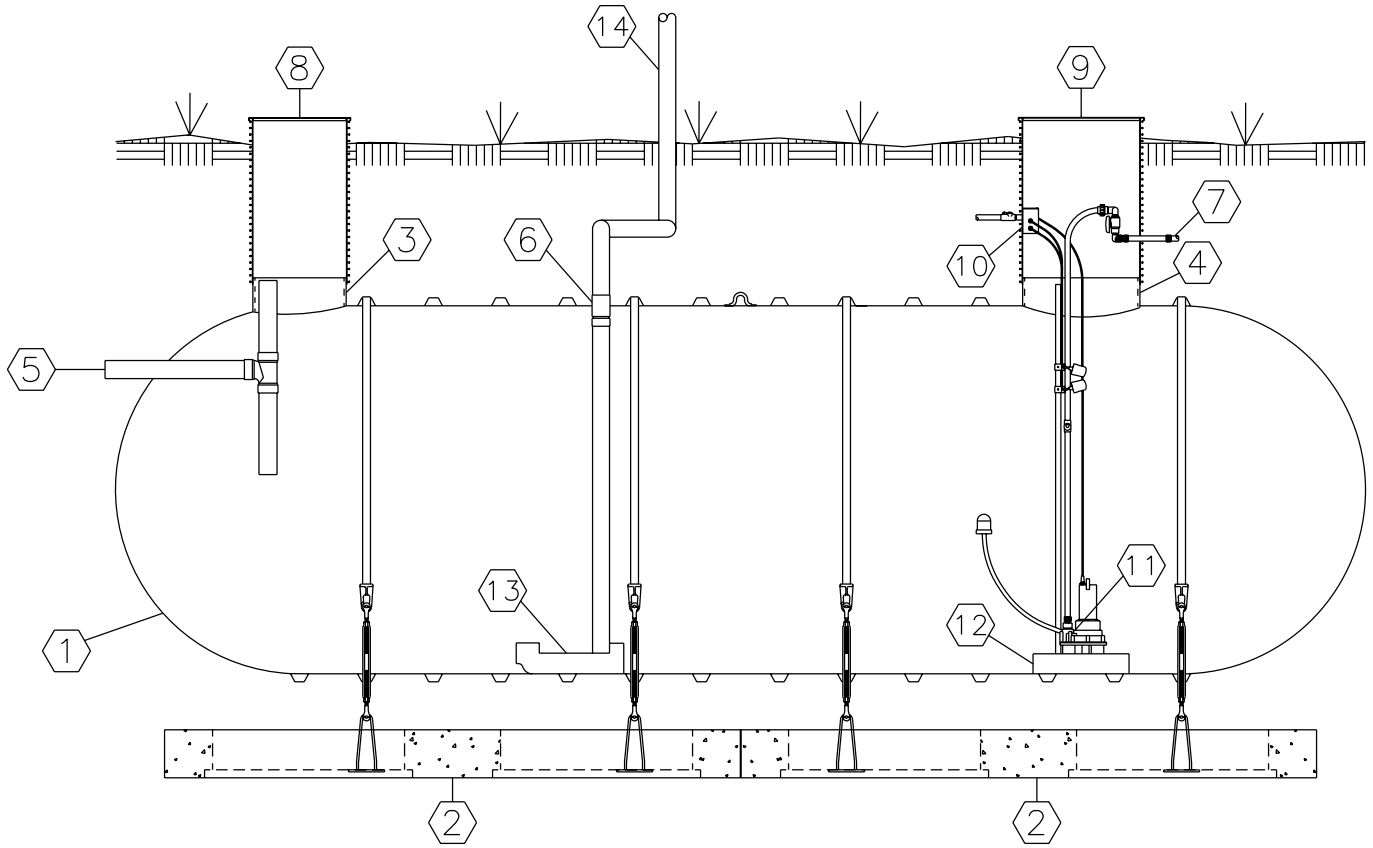
kpff 07/27/2020

LODGE



NO.	DESCRIPTION
1	XERXES SINGLE WALL FRP TANK
2	XERXES PRECAST DEADMAN SYSTEM W/ HOLD DOWN STRAP AND TURNBUCKLE ASSEMBLY
3	24" FRP OPENING
4	30" FRP OPENING
5	4" SCH. 40 PVC INLET PIPING W/ SANITARY TEE
6	6" FULL COUPLING SERVICE FITTING
7	EFFUENT DISCHARGE
8	24" RIBBED PVC RISER W/ FRP LID
9	30" RIBBED PVC RISER W/ FRP LID
10	PVC SPLICE BOX W/ CORD GRIPS
11	BASE MOUNTED EFFLUENT PUMP W/ LEVEL CONTROL FLOAT ASSEMBLY
12	24" x 24" FRP PUMP PLATFORM
13	CALMING INLET DEVICE
14	4" WATER INLET PIPE

RAINWATER

This drawing is for illustrative purposes only.
Consult with an engineer for specific applications.

XERXES®
a ZCL company

TITLE
COLLECTION TANK
FLOATING FILTER PUMP OUT
SINGLE COMPARTMENT

DATE	DR. NO.
4-11	S20-309-01

UPDATE TO GEOTECHNICAL REPORT AND RESPONSE TO CITY OF LOS ANGELES REVIEW LETTER DATED AUGUST 9, 2018, SPORTSMEN'S LODGE

12825-12833 Ventura Boulevard
Studio City, Los Angeles, California

for

Midwood Investment & Development

September 17, 2018 W.O. 6792A

MDN 20164

GeoSoils Consultants Inc.
GEOTECHNICAL GEOLOGIC ENVIRONMENTAL

September 17, 2018
WO 6792A

MIDWOOD INVESTMENT & DEVELOPMENT
12825 Ventura Boulevard
Los Angeles, California 91604

Subject: **Update to Geotechnical Report and Response to City of Los Angeles Review Letter dated August 9, 2018, Sportsmen's Lodge, 12825-12833 Ventura Boulevard, Studio City, Los Angeles, California**

Reference: GeoSoils Consultants, Inc. dated March 22, 2018 (Revised July 19, 2018), "Preliminary Geologic and Geotechnical Engineering Investigation, Sportsmen's Lodge, 12825-12833 Ventura Boulevard, Studio City, Los Angeles, California"

INTRODUCTION

As requested, GeoSoils Consultants, Inc. (GSC) has prepared this geologic and geotechnical engineering report with updated recommendations based on changes to the proposed development and additional subsurface exploration performed in May and July of 2018. In addition, this report addresses comments issued by the Los Angeles Department of Building and Safety in a review letter dated August 9, 2018.

The reference report, dated July 19, 2018, included recommendations for deepened foundations as a result of the undocumented fill on site. The fill covers the site uniformly to an approximate depth of 18 feet. Additional research at the City of Los Angeles was performed; however, a compaction report addressing the fill was not available. It appears that the site was graded in the mid to late 1950's. Review of the existing structures indicates that they have performed well since construction, and have not been subject to static and/or seismic settlement. Additional subsurface exploration was performed on the

6634 Valjean Avenue, Van Nuys, California 91406 Phone: (818) 785-2158 Fax: (818) 785-1548

site at the locations shown on Plate 1, Geologic Map. Both a truck-mounted and limited access drill rig was used for the additional exploration. A tripod drill rig was used to excavate additional borings within the interior of the existing structures. Based on the findings of this recent exploration and review of past exploration, the fill is considered suitable for structural support of the proposed buildings using a mat foundation system.

Boring logs detailing our findings and laboratory testing are provided in Appendix A. Liquefaction and settlement analyses are presented in Appendix B. Our response to review comments issued by the City of Los Angeles Department of Building and Safety dated August 9, 2018 is presented in Appendix C.

Except where superseded herein, the recommendations presented in the above referenced report remain applicable.

SITE DESCRIPTION AND UPDATED PROPOSED DEVELOPMENT

The subject site is located on the northeast corner of Ventura Boulevard and Coldwater Canyon Avenue in the neighborhood of Studio City in the City of Los Angeles. The site is bounded to the north by the Los Angeles River and to the east by Sportsmen's Lodge.

The site is generally level and currently occupied by an existing banquet facility, parking areas, open patio areas, ponds, and landscape areas. A portion of the parking lot on the northwest portion of the site is cantilevered over an existing descending slope (outside the limits of currently proposed new development). Additionally, an existing gas station will remain on the southwest corner of the subject site.

The proposed development will consist of razing the existing structures and removing the pond areas to construct separate one to two-story commercial structures. Basements are no longer proposed for the proposed development, as shown on the latest plans included herein as Plate 1.

SUMMARY OF SUBSURFACE EXPLORATION

Previous subsurface exploration on the subject site was performed by Van Beveren and Butelo, Associates, Inc. in April 2007 and consisted of two (2) rotary wash borings. GeoSoils Consultants performed subsurface exploration in September of 2014 which consisted of five (5) hollow-stem auger borings to a maximum depth of 75 feet. The subject site was revisited in January of 2018 and additional exploration, consisting of three (3) hollow-stem auger borings to a maximum depth of 70 feet were performed.

The most recent subsurface exploration is composed of two phases with the purpose of establishing the existing fill to be suitable for structural support. The first phase consisted of seven (7) hollow-stem auger borings performed in May of 2018, BF-1 through BF-7, to a maximum depth of 25 feet. The second phase utilized a tripod mounted drill rig to perform twelve (12) hollow-stem auger borings in July of 2018, BF-8 through BF-19, to a maximum depth of 20 feet. Based on the findings from this recent exploration, it is our opinion that the fill is suitable for structural support. All boring logs are provided in Appendix A.

CONCLUSIONS AND RECOMMENDATIONS

Based on the result of the additional subsurface exploration, laboratory testing, and engineering analyses, the site development is considered feasible from a geotechnical standpoint. The existing fill on the site has performed well and is not subject to damaging settlement. Therefore, the existing fill is considered suitable for support of proposed structures, provided that the following recommendation and recommendation presented in the above referenced report are followed. Except where superseded herein, all recommendations in the referenced report remain applicable and shall be followed.

The following design recommendations are provided.

Conventional Foundation Criteria

Conventional foundations may be used for structures other than the main buildings (i.e. retaining walls, etc.)

1. On-site soil materials have a medium expansion index. An allowable soil bearing pressure of 1,500 pounds per square foot, including dead and real live loads, can be utilized for design of conventional foundations into compacted fill. The above bearing value may be increased by one-third when considering short duration seismic or wind loads. Footings are recommended to be continuous and should have a minimum width of 12 inches and a minimum embedment depth of 18 inches for retaining walls. Isolated footings should be designed by the structural engineer.

2. The allowable bearing value may be increased by 20 percent for each additional foot below the minimum depth recommended, plus 7 percent for each additional foot wider than the minimum width recommended up to a maximum value of 3,000 pounds per square foot.

3. A friction coefficient for concrete on compacted soil of 0.4 and a lateral (passive) bearing value of 250 pounds per square foot, per foot of depth, may be employed to resist lateral loads. When combining passive pressure and frictional resistance, the passive pressure component should be reduced by one-third.

4. In order to minimize the potential effects of seismic activity, liquefaction and seismic settlement, we recommend mat foundation systems be used for the proposed structures.

Mat Foundation

We recommend the proposed structures be founded on a mat foundation.

The structural design of a foundation mat supported on compacted fill must evaluate the interaction between supporting soil and structure. The design should be that of a beam on elastic foundations or using the method of static equilibrium (i.e. the mat foundation is assumed to move as a rigid body when the loads are applied and the reaction pressures are distributed linearly across the bottom of the mat).

The design values included below are for a differential settlement that does not exceed 0.5-inch in 30 feet.

Selection of a Modulus of Subgrade Reaction, Ks, is very critical in mat foundation design. The basic value of Ks is defined as the unit applied pressure divided by the settlement of a one square foot plate acting on the subgrade surface. The values of Ks vary according to relative density, consistency and moisture content of the subgrade material. We recommend that a coefficient of subgrade reaction equal to 100 pounds per cubic inch be used in the design.

An allowable bearing capacity of 1500 pounds per square foot may be used for the contact pressure.

The slab should be underlain by a minimum 10 mil Visqueen vapor barrier sandwiched between two, one inch sand layers.

General

1. The parameters are applicable provided structures have gutters and downspouts and positive drainage is maintained away from structures. All slab foundation areas should be moisture conditioned to at least optimum moisture, but no more than 5 percent above optimum moisture for a depth of at least 18 inches below subgrade for medium EI soil. The subgrade soil moisture should be observed by a Soil Engineer or his representative prior to pouring concrete. It is suggested the above stated moisture be obtained and maintained at least a suggested 2 days prior to pouring concrete.

2. A 10-mil Visqueen vapor barrier should be placed underneath habitable area slabs and/or slabs with floor coverings. This barrier should be sandwiched between two (2) one-inch layers of import sand. This vapor barrier shall be lapped and sealed (especially around the utility perforations) adequately to provide a continuous waterproof barrier under the entire slab.

3. The above recommendations assume, and GeoSoils Consultants, Inc. strongly recommends, that surface water will be kept from infiltrating into the subgrade adjacent to the foundation system. This may include, but not be limited to rain water, roof water, landscape water and/or leaky plumbing. The structures are to be fine graded at the completion of construction to include positive drainage away from the structure.

4. Utility trenches beneath the slabs should be backfilled with compacted native soil materials, free of rocks.

5. Subgrade soil beneath footings and slabs should be pre-moistened prior to placement of concrete.

6. Prior to placing concrete in the footing excavations, an inspection should be made by our representative to ensure that the footings are free of loose and disturbed soils and are embedded in the recommended material.

Removals

Razing of the existing structures and minor grading to create level building pads will be performed prior to construction. Following the removal of existing structures, the disturbed ground shall be removed and recompacted to the minimum depth of site disturbance in order to provide a uniform, dense subgrade for building foundations. The removals shall be observed, tested and approved by GSC. The removals should extend outside the structures a minimum of 5 feet or the depth of fill placement, whichever is greater. Grading and fill recommendations is the referenced report remain applicable.

CLOSURE

We appreciate this opportunity to be of service to you. If you have any questions regarding the content of this report or any other aspects of the project, please do not hesitate to contact us.

Very truly yours,

GEOSOILS CONSULTANTS, INC.

RUDY F. RUBERTI
CEG 1708

KAREN L. MILLER
GE 2257

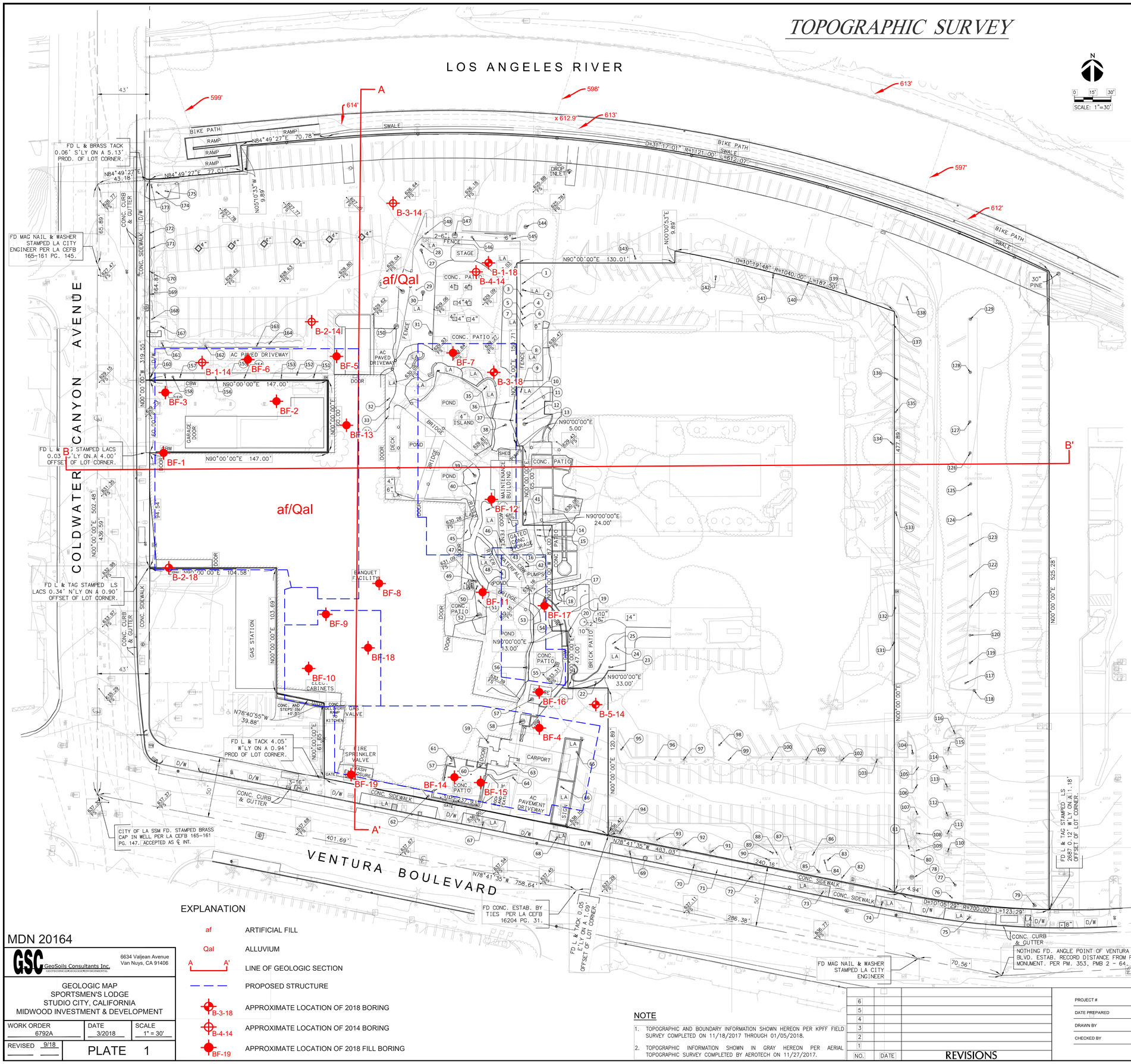
JONATHAN GURUNATHAN
Staff Engineer

RFR.KLM.JG.W:Upd to Geot Rpt & Rsp to LA Review dtd 8-9-18

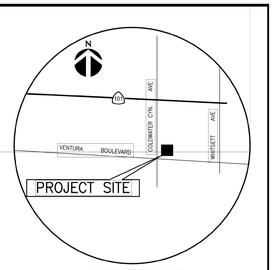
Encl: Plate 1, Geologic Map
Plate 2, Geologic Cross-Sections
Appendix A, Field Exploration and Laboratory Test Results
Plates A-1 to A-19, Boring Logs
Plates SH-1 to SH-7, Shear Test Diagrams
Plates C-1 to C-23, Consolidation Diagrams
Plates G-1 to G-6, Gradation Analyses
Appendix B, Liquefaction Analysis
Appendix C, Response to City of Los Angeles Review Letter dated August 9, 2018
City of Los Angeles Review Letter dated August 9, 2018

cc: (2) Addressee

TOPOGRAPHIC SURVEY



Tree #	Species	DBH (inches)*
1	Arbutus pacifica	11
2	Arbutus pacifica	18.5
3	Arbutus pacifica	10.5
4	Arbutus pacifica	15
5	Arbutus pacifica	10.5
6	Arbutus pacifica	9
7	Arbutus pacifica	~5
8	Arbutus pacifica	14.5
9	Arbutus pacifica	15.5@3'
10	Arbutus pacifica	12
11	Arbutus pacifica	12
12	Cupressus sp	8
13	Ficus sp	33@6'
14	Prunus caroliniana	10.5@3'
15	Prunus caroliniana	10.5@3'
16	Viburnum sp	8@3'
17	Quercus ilex	17@3'
18	Cinnamomum camphora	14
19	Cinnamomum camphora	16
20	Cinnamomum camphora	12
21	Ficus sp	8.5@3.5'
22	Ficus microcarpa	17.5@3'
23	Ficus benjamina	~7@3'
24	Ficus benjamina	~7@3'
25	Cinnamomum camphora	10
26	Pinus eldarica	16.5
27	Eucalyptus sp	28
28	Eucalyptus sp	24
29	Eucalyptus globulus	11.5
30	Eucalyptus globulus	36.5
31	Eucalyptus globulus	41@6'
32	Juniperus chinensis 'Torulosa'	10
33	Juniperus chinensis 'Torulosa'	10
34	Juniperus chinensis 'Torulosa'	7
35	Cedrus deodara	12
36	Cupress sp	10
37	Cupress sp	9
38	Eucalyptus rudis	22
39	Casuarina sp	28
40	Casuarina sp	17.5
41	Pinus canariensis	33
42	Washingtonia robusta	12
43	Eucalyptus rudis	10
44	Agonis flexuosa	9.5
45	Agonis flexuosa	9
46	Juniperus chinensis 'Torulosa'	15.5@4'
47	Sequoia sempervirens	20
48	Juniperus chinensis 'Torulosa'	11.14.5
49	Sequoia sempervirens	25.5
50	Sequoia sempervirens	18
51	Sequoia sempervirens	16
52	Sequoia sempervirens	46.5
53	Ulmus parvifolia	16.5
54	Ulmus parvifolia	17
55	Ulmus parvifolia	20
56	Eucalyptus rudis	23.5
57	Eucalyptus globulus	34
58	Eucalyptus globulus	47.5
59	Pinus torreyana	57
60	Washingtonia robusta	15.5,15,14
61	Washingtonia robusta	17.5,17.5
62	Cedrus deodara	19
63	Ficus benjamina	8.4,9@3'
64	Cedrus deodara	16.5
65	Cedrus deodara	18
66	Cedrus deodara	16.5
67	Washingtonia robusta	15
68	Washingtonia robusta	18
69	Washingtonia robusta	16.5
70	Washingtonia robusta	16
71	Prosopis chilensis	9
72	Washingtonia robusta	17.5
73	Washingtonia robusta	17
74	Washingtonia robusta	18
75	Washingtonia robusta	17.5
76	Phoenix reklinata	8,8,6
77	Pinus halepensis	23
78	Pinus halepensis	41.5
79	Washingtonia robusta	17,17,17
80	Phoenix reklinata	6,6,6
81	Phoenix reklinata	6,6
82	Syagrus romanzoffianum	12.5
83	Archontophoenix cunninghamiana	8,8,8
84	Howea forsteriana	8,6,6,6,6,6
85	Syagrus romanzoffianum	14,13,10.5
86	Phoenix reklinata	7,7,7
87	Phoenix reklinata	7,7
88	Howea forsteriana	6
89	Archontophoenix cunninghamiana	10.9.9
90	Syagrus romanzoffianum	16
91	Syagrus romanzoffianum	16.12,11
92	Syagrus romanzoffianum	15.5
93	Syagrus romanzoffianum	15.5
94	Syagrus romanzoffianum	15.5
95	Syagrus romanzoffianum	13
96	Syagrus romanzoffianum	11.5
97	Olea europaea	9.8,5.5
98	Syagrus romanzoffianum	12
99	Syagrus romanzoffianum	13@4'
100	Syagrus romanzoffianum	16
101	Syagrus romanzoffianum	15.5
102	Syagrus romanzoffianum	15
103	Syagrus romanzoffianum	21.5
104	Ficus microcarpa	8.5
105	Syagrus romanzoffianum	10@4'
106	Syagrus romanzoffianum	12
107	Syagrus romanzoffianum	10
108	Syagrus romanzoffianum	10
109	Syagrus romanzoffianum	11
110	Syagrus romanzoffianum	10.5
111	Syagrus romanzoffianum	12
112	Syagrus romanzoffianum	12
113	Syagrus romanzoffianum	10
114	Syagrus romanzoffianum	11
115	Syagrus romanzoffianum	11
116	Syagrus romanzoffianum	7.5,6,6,5,4
117	Chamaerops humilis	24"@3'
118	Ficus microcarpa	20
119	Ficus microcarpa	21@3'
120	Ficus microcarpa	22@3'
121	Ficus microcarpa	21@3'
122	Ficus microcarpa	22.5@3'
123	Ficus microcarpa	23@3'
124	Ficus microcarpa	24@3'
125	Ficus microcarpa	24@3'
126	Ficus microcarpa	24
127	Ficus microcarpa	24@3.5
128	Ficus microcarpa	27@2.5'
129	Quercus agrifolia	~3'
130	Ulmus parvifolia	16
131	Ulmus parvifolia	17
132	Ulmus parvifolia	16@3'
133	Ulmus parvifolia	16@3'
134	Ulmus parvifolia	15
135	Ulmus parvifolia	17
136	Magnolia grandiflora	9.5,5.5
137	Ulmus parvifolia	16.5
138	Ulmus parvifolia	16.5
139	Ulmus parvifolia	~16
140	Ulmus parvifolia	17
141	Ulmus parvifolia	17.5
142	Ulmus parvifolia	18
143	Pinus canariensis	36
144	Ficus benjamina	12,9.5
145	Ficus benjamina	16@6'
146	Eucalyptus globulus	53
147	Ficus benjamina	17@6'
148	Eucalyptus globulus	38
150	Eucalyptus globulus	49
151	Syagrus romanzoffianum	14
152	Syagrus romanzoffianum	12
153	Syagrus romanzoffianum	14
154	Syagrus romanzoffianum	12
155	Syagrus romanzoffianum	12.5
156	Syagrus romanzoffianum	13.5
157	Syagrus romanzoffianum	14
158	Washingtonia robusta	20
159	Washingtonia robusta	20
160	Syagrus romanzoffianum	14.5
161	Syagrus romanzoffianum	15
162	Syagrus romanzoffianum	17
163	Syagrus romanzoffianum	14
164	Syagrus romanzoffianum	14
165	Syagrus romanzoffianum	13
167	Syagrus romanzoffianum	11
168	Syagrus romanzoffianum	13
169	Syagrus romanzoffianum	9.5
170	Syagrus romanzoffianum	10
171	Syagrus romanzoffianum	12
172	Syagrus romanzoffianum	11
173	Syagrus romanzoffianum	11
174	Syagrus romanzoffianum	15
175	Syagrus romanzoffianum	12



VICINITY MAP
STUDIO CITY, CA
NOT TO SCALE

AERIAL LEGEND

SYMBOLS	DESCRIPTIONS
	AERIAL PANELS
	GRID TEXT
	GRID TICK
	SPOT ELEVATION
	CACTUS
	PALM TREE
	SINGLE TREE
	FLAG
	GATE
	SIGNS
	BILLBOARD
	OVERHEAD SIGNS
	STREET SIGN
	POST / BOLLARD
	FIRE HYDRANT
	METER/ UTILITY
MH	MANHOLE
	VALVE
	CATCH BASIN
	CULVERT
	UTILITY POLE
	TRANSMISSION
	TV DISH
	LIGHT POLE
	TRAFFIC SIGNAL
	PEDESTRIAN SIGNAL
	STREET LIGHT
	STRAIGHT ARROWS
	DIRECTIONAL ARROWS
	MINE
	BIKELANE
	HANDICAP
	TRAFFIC PAINT
	TRAFFIC PAINT
	BUILDING
	SWIMMING POOL
	BRIDGE
	CANOPY
	ROCKS
	TRAFFIC LANE PAINT
	PARKING STRIPES
	ROAD / PAVEMENT
	DIRT ROAD / TRAIL
	CURB / GUTTER
	CONCRETE
	RAILROAD
	FENCE
	RETAINING WALL
	GUARD RAIL
348	INDEX CONTOUR / TEXT
	INTER CONTOUR
348	INDEX DEPRESSION / TEXT
	INTER DEPRESSION
	WASH / WATER
	VEGETATION LINE
	GOLF FAIRWAY
	GOLF GREEN / TEE
	GOLF SANDTRAP
	FIELD / GRASS

ABBREVIATIONS

AC	ASPHALT CONCRETE
BFP	BACKFLOW PREVENTER
CONC	CONCRETE
DI	DRAINAGE INLET
ECB	ELECTRIC CONTROL BOX
VLT	VAULT
RSR	UTILITY RISER
TC	TOP OF CURB
FL	FLOW LINE
FS	FINISHED SURFACE
INV	INVERT
GRND	GROUND
NG	NATURAL GROUND
HR	HAND RAIL
FL	FLOW LINE
FS	FINISHED SURFACE
INV	INVERT
GRND	GROUND
NG	NATURAL GROUND

LEGEND

	AIR RELEASE VALVE
	AREA LIGHT
CO	CLEAN OUT
	FIRE HYDRANT
	IRRIGATION VALVE
	WATER VALVE
WM	WATER METER
E	ELECTRICAL MANHOLE
GM	GAS METER
SL	STREET LIGHT PULL BOX
S	SEWER MANHOLE
D	STORM DRAIN MANHOLE
T	TELEPHONE MANHOLE
TS	TRAFFIC SIGNAL PULLBOX
	CONCRETE CURB
	BLOCK WALL
X X	CHAIN LINK FENCE
	WOOD FENCE

COMMENTS

BOUNDARY LINES . . .	SHOWN HEREON ARE DERIVED FROM RECORD CITY ENGINEER MONUMENTS, TOGETHER WITH LEGAL DESCRIPTION FOR PROPERTY AS DEFINED IN INSTRUMENT NUMBER 2011-1323253 O.R.
BASIS OF BEARINGS .	THE BEARING OF N 00°00'00" E ALONG THE CENTERLINE OF COLDWATER CANYON AVENUE AS SHOWN ON PARCEL MAP L.A. NO. 353 FILED IN BOOK 2, PAGE 64, WAS TAKEN AS THE BASIS OF BEARINGS FOR THIS SURVEY.
BENCH MARK	SPIKE; 1 FOOT WEST OF THE WEST CURB OF COLDWATER CANYON AVE., 38.5 FEET SOUTH OF THE BCR SOUTH OF VENTURA BLVD. IN THE NORTH END OF A CATCH BASIN. CITY OF LOS ANGELES BM #08-08223 ELEVATION = 638.592 FEET
UTILITIES	ALL OBSERVED UTILITIES SHOWN ON THIS MAP WERE OBTAINED BY CONVENTIONAL MEANS. THEY ARE FOR INFORMATION ONLY. ALL RECORD SUBSURFACE UTILITIES SHOWN ON THIS MAP WERE OBTAINED FROM RECORD SUBSTRUCTURE MAPS. NO REPRESENTATION IS MADE AS TO THE COMPLETENESS OR ACCURACY OF SAID INFORMATION AND ANY USER OF THIS INFORMATION SHOULD CONTACT THE UTILITY OR GOVERNMENT AGENCY DIRECTLY.
PUBLIC ACCESS . . .	PUBLIC ACCESS TO SITE FROM COLDWATER CANYON AVENUE AND VENTURA BOULEVARD, BOTH BEING PUBLICLY DEDICATED STREETS.
DATE OF SURVEY . .	NOVEMBER, 2017.

EXPLANATION

af	ARTIFICIAL FILL
Qal	ALLUVIUM
A A'	LINE OF GEOLOGIC SECTION
	PROPOSED STRUCTURE
B-3-18	APPROXIMATE LOCATION OF 2018 BORING
B-4-14	APPROXIMATE LOCATION OF 2014 BORING
BF-19	APPROXIMATE LOCATION OF 2018 FILL BORING

NOTE

1. TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON PER KPFF FIELD SURVEY COMPLETED ON 11/18/2017 THROUGH 01/05/2018.
2. TOPOGRAPHIC INFORMATION SHOWN IN GRAY HEREON PER AERIAL TOPOGRAPHIC SURVEY COMPLETED BY AEROTECH ON 11/27/2017.

NO.	DATE	REVISIONS
6		
5		
4		
3		
2		
1		

MDN 20164

GSC GeoSoils Consultants Inc. — 6634 Valjean Avenue, Van Nuys, CA 91406

GEOLOGIC MAP
SPORTSMEN'S LODGE
STUDIO CITY, CALIFORNIA
MIDWOOD INVESTMENT & DEVELOPMENT

WORK ORDER	DATE	SCALE
6792A	3/2018	1" = 30'
REVISED 9/18	PLATE 1	

PROJECT #	1700708
DATE PREPARED	01/12/2018
DRAWN BY	BR
CHECKED BY	CJ

PREPARED UNDER THE DIRECTION OF:

ROBERT ROGERS, PLS 8348
BUCK.ROGERS@KPFF.COM

01/12/2018
DATE

LICENSED LAND SURVEYOR — ROBERT S. ROGERS — No.8348 — STATE OF CALIFORNIA

SPORTSMEN'S LODGE
STUDIO CITY, CA

PREPARED FOR:
MIDWOOD INVESTMENT & DEVELOPMENT
430 PARK AVENUE, SUITE 505
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Los Angeles, CA 90017
O: 213.418.0201
F: 213.266.5294
www.kpff.com

SHEET 1 OF 1

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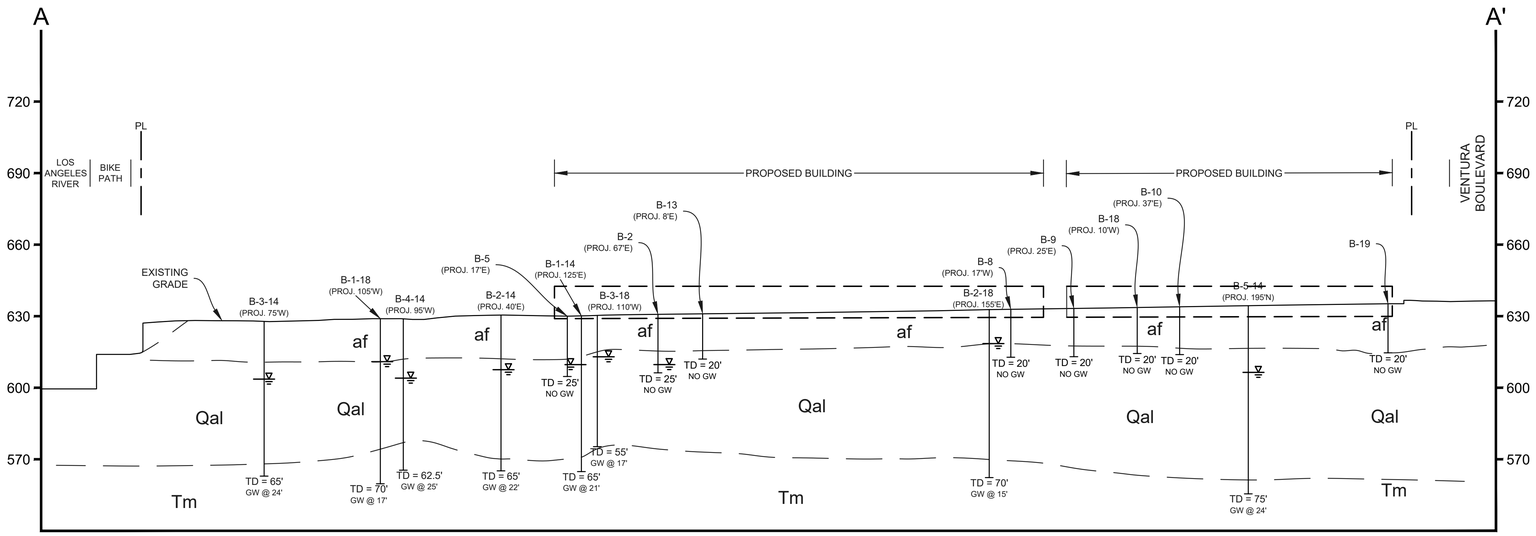
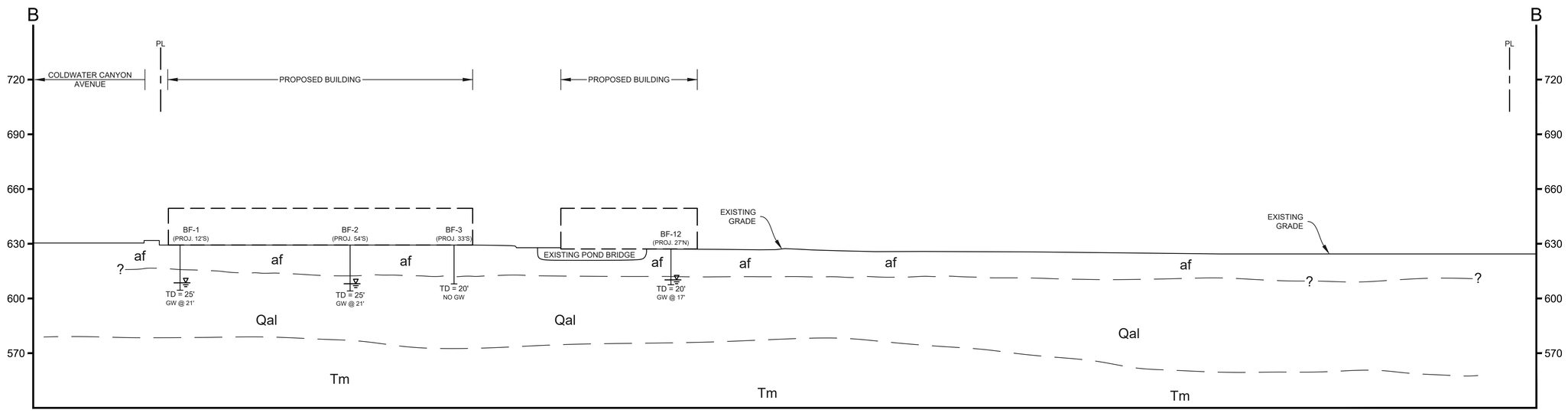




GSC GeoSoils Consultants Inc.
GEOTECHNICAL • GEOLOGIC • ENVIRONMENTAL
6634 Valjean Avenue
Van Nuys, CA 91406

GEOLOGIC CROSS-SECTIONS
SPORTSMEN'S LODGE
STUDIO CITY, CALIFORNIA
MIDWOOD INVESTMENT & DEVELOPMENT

WORK ORDER	DATE	SCALE
6792A	3/2018	1" = 30'
REVISED 9/18		PLATE 2

MDN 20164

X:\2001 w.o\gsc-cad\6792A\9-17-18\CURRENT\PLATE 2 GEO CROSS-SECTIONS 9-17-18.dwg, 9/18/2018 4:03:13 PM, AutoCAD PDF (High Quality Print).pc3

September 17, 2018
W.O. 6792A

APPENDIX A

FIELD EXPLORATION AND LABORATORY TEST RESULTS

APPENDIX A

FIELD EXPLORATION AND LABORATORY TEST RESULTS

Borings

In addition to the previous borings performed in September of 2014 and January of 2018, subsurface exploration to establish the fill as suitable for structural support was performed in May and July of 2018. A total of 19 borings were drilled during this period with an 8-inch diameter hollow-stem auger. The locations of the borings are shown on Geologic Map, Plate 1. The borings were continuously logged and classified by visual examination in accordance with the Unified Soil Classification System. The boring logs are included herein as Plates A-1 through A-19.

Moisture Density

The field moisture content and dry unit weights were determined for each undisturbed ring sample obtained from the most recent subsurface exploration. Once the dry unit weights are determined, in place densities of underlying soil profiles are estimated. The moisture content and dry unit weights are presented on the boring logs, Plates A-1 through A-19.

Consolidation Tests

A total of 23 consolidation tests were performed on selected ring samples from the recent subsurface exploration examining the fill. The samples were inundated at an approximate load of one ton per square foot to monitor the hydroconsolidation. Loads were applied to the samples in several increments in geometric progression and resulting deformations were recorded at selected time intervals. Results of the consolidation tests are presented on Plates C-1 through C-23.

Appendix A

Shear Tests

A total of 7 shear tests were performed on selected ring samples from the recent subsurface exploration examining the on-site fill. A shear test was performed in a strain-control type Direct Shear Machine. The sample was sheared under varying confining loads in order to determine the Coulomb shear strength parameters: cohesion (c), and angle of internal friction (ϕ) for peak and residual strength conditions. The sample was tested in an artificially-saturated condition. The results are plotted and a linear approximation is drawn of the failure curve. The result is shown on the Shear Test Diagrams included within this appendix as Plates SH-1 through SH-7.

Gradation Analysis

Gradation analyses were used to determine the grain size composition of the on-site fill. The test results are included within this appendix as Plates G-1 through G-6.

Compaction Tests

To determine the moisture-density relationship of the on-site upper soil, a total of nine (9) compaction tests were performed on representative samples in accordance with ASTM designation D-1557. Summaries of the compaction test results are shown in Table A-1.

TABLE A-1
COMPACTION TEST RESULTS

Boring No. and Depth	Soil Description	MAX	Optimum
BF-1 @ 0'-5'	Gray brown, sandy clayey SILT w/ rf	106.0	16.5
BF-4 @ 0'-5'	Dark brown, slightly clayey sandy SILT	112.0	15.5
BF-6 @ 5'-10'	Dark brown, slightly sandy silty CLAY	106.5	18.0
BF-7 @ 0'-5'	Brown, slightly sandy clayey SILT	117.5	13.5
BF-9 @ 0'-5'	Dark brown, slightly sandy silty CLAY	99.0	20.0
BF-11 @ 10'-15'	Dark brown sandy CLAY	102.5	18.0
BF-15 @ 15'-20'	Dark brown sandy CLAY	105.0	15.0
BF-17 @ 0'-5'	Dark brown slightly sandy SILT	121.0	13.0
BF-19 @ 0'-5'	Dark brown slightly clayey sandy SILT	114.0	14.0

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Choice Drilling | DATE STARTED: 5-29-18 | BORING NO. BF-1
TYPE OF DRILL RIG Limited Access | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 8 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	USCS SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
				0-9" CONCRETE			
				9"-14' ARTIFICIAL FILL (af)			
5		10-13		@5' Dark brown to gray sandy CLAY, contains rock fragments. Moderately dense, slightly moist.	21.2	100.4	
10		7-10		@10' Light brown to yellow brown sandy CLAY. Moderately dense, slightly moist.	16.4	98.1	
				14'-25' ALLUVIUM (Qal)			
15		6-7		@15' Dark brown to gray CLAY, contains rock fragments. Moderately dense, very moist.	17.6	88.7	
20		4-4		@20' Brown CLAY, contains rock fragments. Moderately dense, very moist.	30.7	91.1	
25		3-5		@25' Brown CLAY, contains rock fragments. Moderately dense, very moist.	28.0	93.5	
				T.D. 25' GW @ 21' No Caving			
30							

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-1

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Choice Drilling | DATE STARTED: 5-29-18 | BORING NO. BF-2
TYPE OF DRILL RIG Limited Access | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 8 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	USCS SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
				0-9" CONCRETE			
				9"-17' ARTIFICIAL FILL (af)			
		23-29		@2.5' Gray to dark gray sandy CLAY, contains rock fragments. Very dense, dry.	14.0	112.2	
5							
		18-31		@7.5' Gray to dark gray sandy CLAY, contains rock fragments. Very dense, dry.	14.0	99.3	
10							
		20-35		@12.5' Gray to dark gray sandy CLAY, contains rock fragments. Very dense, dry.	10.7	101.6	
15							
		5-6		**17'-25' ALLUVIUM (Qal)** @17.5' Light brown silty CLAY, moderately dense, moderately moist.	25.5	96.4	
20							
		4-5		@22.5'Dark brown to gray CLAY, moderately dense, very moist.	30.5	93.2	
25				T.D. 25' GW @ 21' No Caving			
30							

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-2

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Choice Drilling | DATE STARTED: 5-29-18 | BORING NO. BF-3
TYPE OF DRILL RIG Limited Access | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 8 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	USCS SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
				0-9" CONCRETE			
				9"-17' ARTIFICIAL FILL (af)			
		8-15		@2.5' Dark brown to gray sandy CLAY, contains rock fragments. Very dense, slightly moist.	11.4	103.5	
5							
		19-35		@7.5' Light brown to yellow sandy SILT, contains rock fragments in abundance. Very dense, slightly moist.	9.5	106.4	
10							
		10-20		@12.5' Dark brown to gray sandy CLAY, contains rock fragments. Very dense, slightly moist.	21.2	100.5	
15							
		3-5		**17'-25' ALLUVIUM (Qal)** @17.5' Dark brown to gray CLAY, moderately dense, very moist.	27.9	94.1	
20							
		4-6		@22.5'Dark brown CLAY, contains rock fragments. Moderately dense, very moist.	32.3	88.1	
25				T.D. 25' GW @ 21' No Caving			
30							

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-3

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Choice Drilling | DATE STARTED: 5-29-18 | BORING NO. BF-4
TYPE OF DRILL RIG Limited Access | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 8 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	USCS SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
				0-6" AC **6"-17' ARTIFICIAL FILL (af)**			
5		16-28		@5' Dark brown to light brown sandy CLAY. Very dense, dry.	10.4	110.9	
10		12-20		@10' Dark brown to light brown sandy CLAY. Very dense, slightly moist.	18.1	98.2	
15		7-11		@15' Light brown silty CLAY, contains rock fragments. Moderately dense, slightly moist.	21.4	97.4	
				17'-25' ALLUVIUM (Qal)			
20		3-4		@20' Brown CLAY. Moderately dense, slightly moist.	27.4	91.4	
25		3-5		@25' No recovery.			
				T.D. 25' GW @ 25' No Caving			
30							

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-4

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Choice Drilling | DATE STARTED: 5-31-18 | BORING NO. BF-5
TYPE OF DRILL RIG Limited Access | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 8 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	USCS SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
				0-6" AC **6"-18' ARTIFICIAL FILL (af)**			
5		7-11		@5' Dark brown to gray silty CLAY. Very dense, slightly moist.	13.9	99.5	
10		13-20		@10' Brown silty CLAY. Very dense, slightly moist.	18.8	106.9	
15		10-13		@15' Brown to orange brown silty CLAY, contains rock fragments. Very dense, slightly moist.	23.5	94.9	
				18'-25' ALLUVIUM (Qal)			
20		6-6		@20' Dark gray to brown CLAY. Moderately dense, moderately moist.	27.9	90.3	
25		7-7		@25' Dark gray to brown CLAY. Moderately dense, moderately moist.	26.6	94.8	
				T.D. 25' No GW No Caving			
30							

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-5

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Choice Drilling | DATE STARTED: 5-31-18 | BORING NO. BF-6
TYPE OF DRILL RIG Limited Access | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 8 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	USCS SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
				0-6" AC **6"-18' ARTIFICIAL FILL (af)**			
5		8-13		@5' Dark brown to gray silty CLAY. Very dense, slightly moist.	23.9	93.7	
10		7-15		@10' Light brown to orange brown silty CLAY. Very dense, slightly moist.	17.9	100.6	
15		10-13		@15' Light brown to orange brown silty CLAY. Very dense, slightly moist.	22.4	94.6	
				18'-25' ALLUVIUM (Qal)			
20		5-9		@20' Light brown to orange brown CLAY, contains rock fragments in abundance. Moderately dense, very moist.	29.4	90.2	
25		5-7		@25' Light brown to orange brown CLAY, contains rock fragments in abundance. Moderately dense, very moist.	25.8	95.5	
				T.D. 25' GW @ 18' No Caving			
30							

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-6

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Choice Drilling | DATE STARTED: 5-31-18 | BORING NO. BF-7
TYPE OF DRILL RIG Limited Access | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 8 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	USCS SYMBOL	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
				0-6" CONCRETE			
				6"-16' ARTIFICIAL FILL (af)			
		13-25		@2.5' Brown to gray sandy CLAY. Very dense, slightly moist.	11.0	101.2	
5							
		19-34		@7.5' Brown to gray sandy CLAY. Very dense, slightly moist.	18.9	102.5	
10							
		19-20		@12.5' Brown to gray silty CLAY. Very dense, slightly moist.	19.6	107.2	
15							
				16'-25' ALLUVIUM (Qal)			
		6-9		@17.5' Light brown to orange brown CLAY, contains rock fragments. Moderately dense, moist.	26.7	97.4	
20							
		6-7		@17.5' Light brown to orange brown CLAY, contains rock fragments. Moderately dense, moist.	24.5	101.1	
25				T.D. 25' GW @ 21' No Caving			
30							

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-7

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-9-18 | BORING NO. BF-8
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-15' Artificial Fill (af)**			
5		12-15	@5' Dark brown silty CLAY, contains rock fragments. Moderately dense, slightly moist	20.8	87.4	
10		20-31	@10' Light brown to yellow brown sandy CLAY. Moderately dense, slightly moist	21.5	94.4	
15		13-14	**15'-20' Alluvium (Qal)** @15' Medium yellow brown clayey fine SAND, moderately dense, slightly moist	21.1	96.0	
		10-11	@20' Medium brown silty CLAY, moderately dense, very moist	27.4	93.0	
20			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-8

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-9-18 | BORING NO. BF-9
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-18' Artificial Fill (af)**			
5		15-22	@5' Dark brown silty CLAY, contains rock fragments. very dense, very moist	23.6	97.6	
10		14-18	@10' Dark brown silty CLAY, contains rock fragments. very dense, moderately moist	22.9	98.5	
15		15-19	@15' Medium to dark brown silty CLAY, contains rock fragments, very dense, slightly moist	23.0	99.5	
			18'-20' Alluvium (Qal) @20' Light gray brown CLAY, moderately dense, moderately moist			
20		9-9	T.D. 20' No GW No Caving	25.2	92.9	
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-9

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-9-18 | BORING NO. BF-10
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-17' Artificial Fill (af)**			
5		13-16	@5' Dark brown silty CLAY, very dense, slightly moist	17.9	100.7	
10		15-20	@10' Dark brown silty CLAY, very dense, slightly moist	22.7	98.4	
15		13-15	@15' Dark brown silty CLAY, very dense, slightly moist	22.9	94.0	
			17'-20' Alluvium (Qal)			
20		10-10	@20' Light to medium brown CLAY, moderately dense, very moist	24.7	74.9	
			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-10

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-10-18 | BORING NO. BF-11
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-15' Artificial Fill (af)			
5		30-50	@5' Dark brown silty CLAY, very dense, slightly moist	16.0	85.6	
10		17-25	@10' Dark brown silty CLAY, very dense, slightly moist	21.7	99.6	
15		22-15	**15'-20' Alluvium (Qal)**	15.2	93.5	
			@15' Yellow to light brown SAND, contains rock fragments in abundance, moderately dense, moderately moist			
		18-20	@20' Brown CLAY, contains rock fragments, very dense, very moist	26.3	93.2	
20			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-11

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-10-18 | BORING NO. BF-12
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-15' Artificial Fill (af)**			
5		22-32	@5' Dark brown silty CLAY, very dense, slightly moist	17.8	106.3	
10		20-28	@10' Dark brown silty CLAY, very dense, slightly moist	19.3	99.2	
15		7-8	**15'-20' Alluvium (Qal)** @15' Brown CLAY. Moderately dense, moderately moist	26.9	91.7	
		5-5	@20' No recovery			
20			T.D. 20' GW @ 17' No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-12

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-11-18 | BORING NO. BF-13
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-17' Artificial Fill (af)**			
5		19-25	@5' Dark brown silty CLAY, very dense, slightly moist, disturbed	18.2	76.5	
10		25-31	@10' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist	17.5	103.0	
15		17-25	@15' Dark brown silty CLAY, very dense, slightly moist	20.8	93.4	
			17'-20' Alluvium (Qal)			
20		11-10	@20' Brown CLAY, moderately dense, moderately moist	21.5	94.4	
			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-13

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-11-18 | BORING NO. BF-14
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete			
			4"-16' Artificial Fill (af)			
5		18-24	@5' Dark brown silty CLAY, very dense, slightly moist	21.1	96.0	
10		20-29	@10' Dark brown silty CLAY, very dense, slightly moist	27.4	93.0	
15		13-14	@15' Dark brown silty CLAY, very dense, slightly moist	23.6	97.6	
			16'-20' Alluvium (Qal)			
20		12-17	@20' Medium brown clayey very fine SAND, moderately dense, slightly moist	22.9	98.5	
			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-14

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-11-18 | BORING NO. BF-15
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-15.5' Artificial Fill (af)**			
5		23-23	@5' Dark brown silty CLAY, contains rock fragments, very dense, dry	23.0	99.5	
10		22-27	@5' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist	25.2	92.9	
			@15' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist			
15		11-17		17.9	100.7	
			15.5'-20' Alluvium (Qal)			
		11-11	@20' Medium brown clayey very fine SAND, moderately dense, slightly moist	22.7	98.4	
20			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-15

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-12-18 | BORING NO. BF-16
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-10": Artificial Fill (af)** Light brown silty SAND, moderately dense, dry. **10"-1' Concrete** **1'-18' Artificial Fill (af)**			
5		30-41	@5' Dark brown silty CLAY, very dense, slightly moist	22.9	96.0	
10		21-35	@10' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist, disturbed	24.7	74.9	
15		12-13	@15' Dark brown silty CLAY, very dense, slightly moist	16.0	84.6	
			18'-20' Alluvium (Qal)			
20		12-16	@20' Light brown sandy SILT to sandy CLAY, moderately dense, very moist	19.8	92.7	
			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-16

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-12-18 | BORING NO. BF-17
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-15' Artificial Fill (af)**			
5		30-42	@5' Dark brown silty CLAY, very dense, slightly moist	14.2	88.0	
10		14-25	@10' Dark brown silty CLAY, very dense, slightly moist	15.7	92.4	
15		12-14	**15'-20' Alluvium (Qal)** @15' Light brown sandy SILT to sandy CLAY, moderately dense, moderately moist	21.1	70.1	
		7-10	@20' Light brown CLAY, moderately dense, moderately moist	24.4	93.2	
20			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-17

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-13-18 | BORING NO. BF-18
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-15' Artificial Fill (af)**			
5		17-29	@5' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist	19.2	103.6	
10		21-26	@10' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist	21.7	72.6	
15		14-17	@15' Light brown sandy CLAY, moderately dense, very moist	22.4	91.4	
			18'-20' Alluvium (Qal)			
20		8-13	@20' Light brown sandy CLAY, moderately dense, very moist	24.1	98.4	
			T.D. 20' No GW No Caving			
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-18

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

GEOTECHNICAL BORING LOG

PROJECT NAME Sportsmen's Lodge | W.O. NO. 6792A
DRILLING COMPANY Pacific Drilling | DATE STARTED: 7-13-18 | BORING NO. BF-19
TYPE OF DRILL RIG Tripod | LOGGED BY OA | SHEET 1 OF 1
DRILLING METHOD Hollow Stem | HAMMER WEIGHT (LBS) 140 | GROUND ELEVATION (FT)
DIAMETER OF HOLE 6 | DROP (IN) 30 | GW ELEVATION
BORING LOCATION:

DEPTH (FT)	SAMPLE TYPE	BLOWS/ 6 IN.	GEOTECHNICAL DESCRIPTION	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	OTHER TESTS
			0-4" Concrete **4"-1.5': Artificial Fill (af)** Light brown silty SAND, moderately dense, dry **1.5'-2' AC** **2'-20' Artificial Fill (af)**			
5		13-26	@5' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist	21.5	89.9	
10		18-26	@10' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist	17.5	76.4	
15		18-24	@15' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist	21.8	99.2	
20		16-18	@20' Dark brown silty CLAY, contains rock fragments, very dense, slightly moist T.D. 20' No GW No Caving	19.5	103.4	
25						
30						

LEGEND

- Standard Penetration Test
- California Ring
- Rock Core
- Bulk Sample
- Shelby Tube
- Water Seepage
- Groundwater

SIEVE: GRAIN SIZE ANALYSIS
MAX: MAXIMUM DRY DENSITY
DS: DIRECT SHEAR
CONS: CONSOLIDATION
HYDR: HYDROMETER ANALYSIS
EXPAN: EXPANSION INDEX
CHEM: CHEMICAL TESTS

PLATE A-19

GeoSoils Consultants, Inc.
GEOTECHNICAL * GEOLOGIC * ENVIRONMENTAL

Midwood
W.O.: 6792A

Date of Test: 7/18

Sample: **BF-1 @ 5.0'**

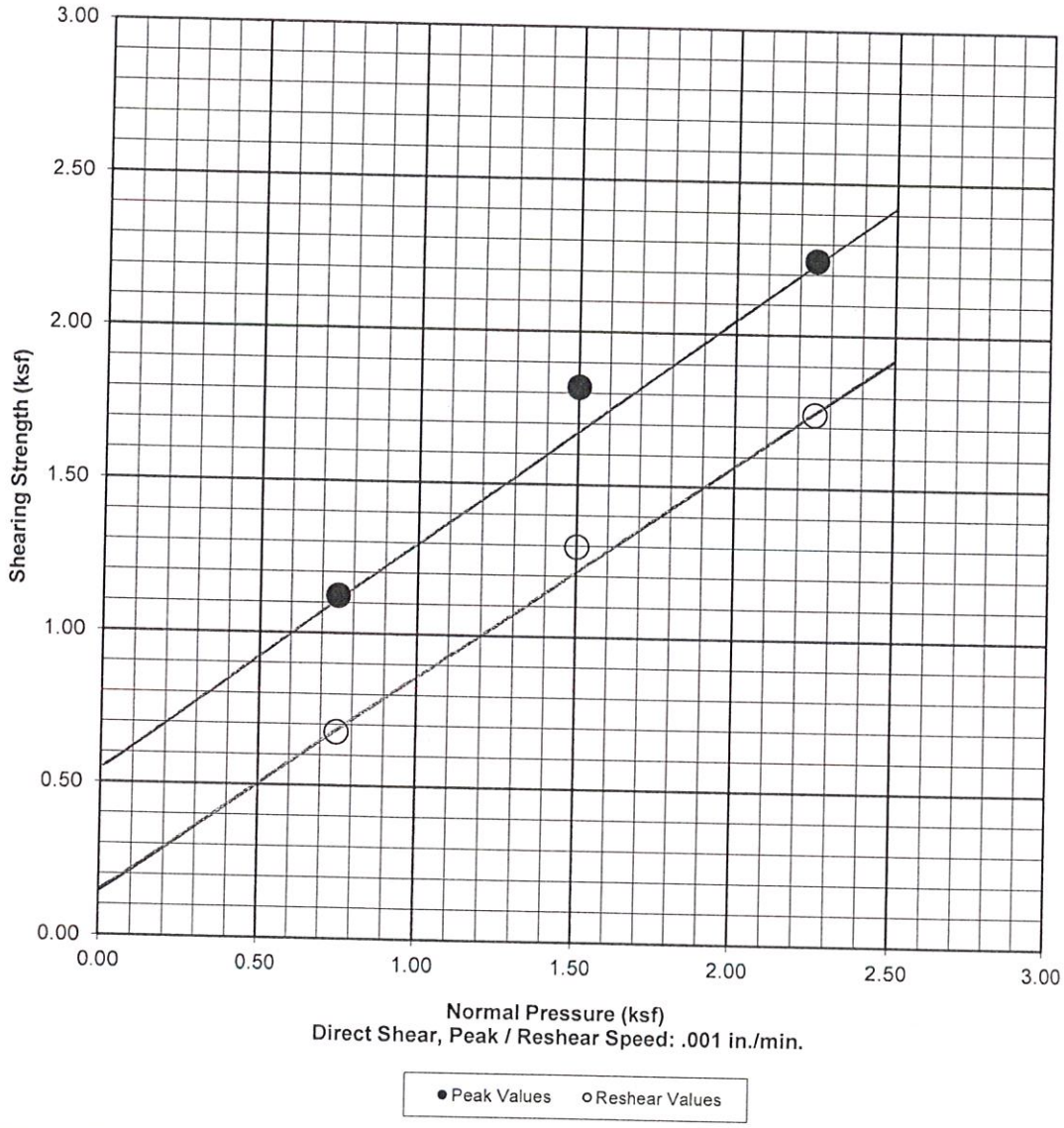
GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

PLATE SH-1

Shear Test Diagram
Peak
C(psf): 550 Phi (degrees): 36.0

Reshear
C(psf): 150 Phi (degrees): 34.0



Undisturbed **Natural** Shear-Saturated

Dark brown slightly sandy CLAY with rock fragments.

29.7% Saturated Moisture Content

6792A.5.xls

Midwood
W.O.: 6792A

Date of Test: 7/18

Sample: **BF-2 @ 2.5'**

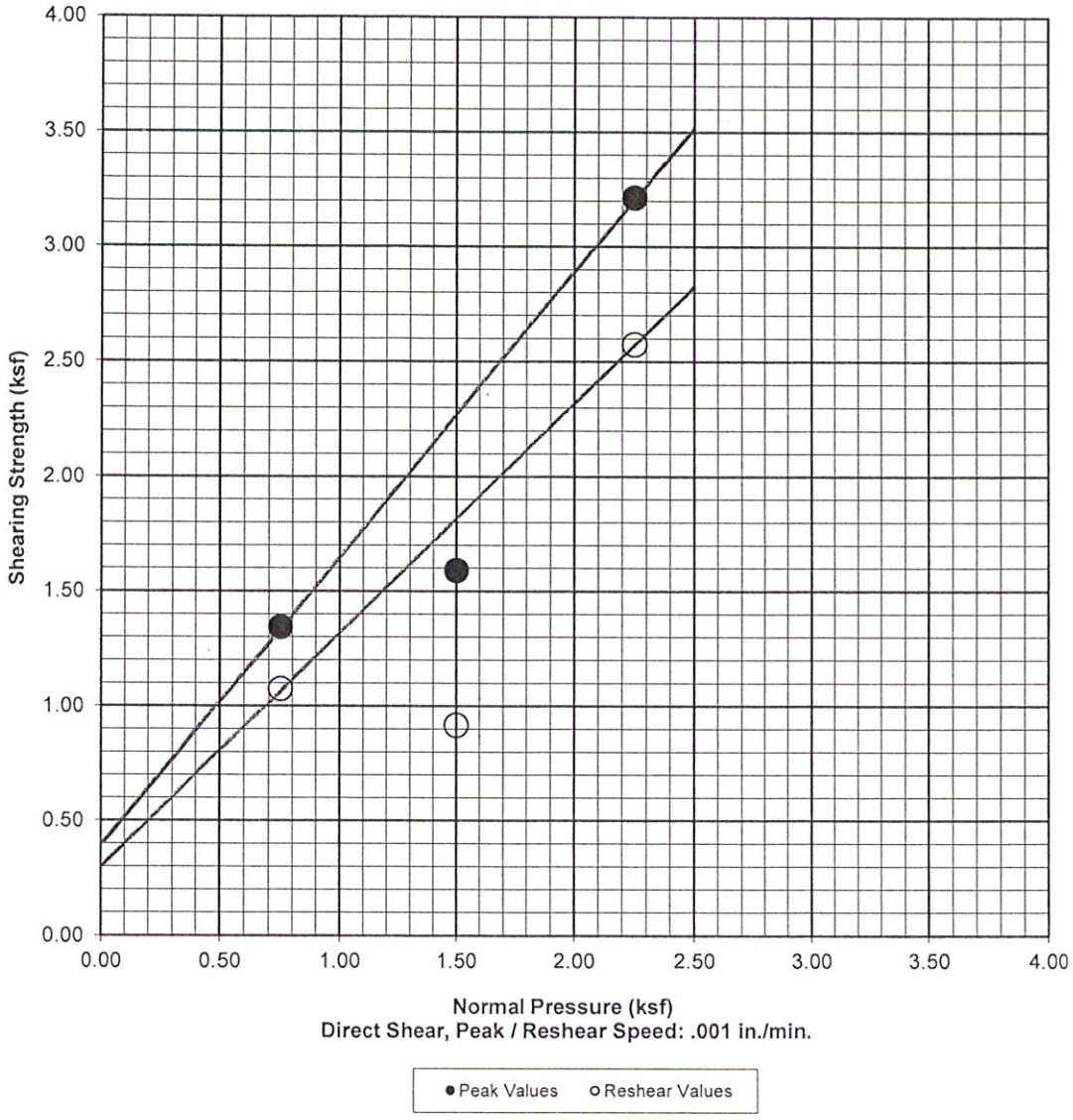
GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

PLATE SH-2

Shear Test Diagram
Peak
C(psf): 400 Phi (degrees): 50.0

Reshear
C(psf): 300 Phi (degrees): 44.0



Undisturbed **Natural** Shear-Saturated

Light to dark grey brown sandy CLAY with rock fragments.

27.6% Saturated Moisture Content

Midwood
W.O.: 6792A

Date of Test: 7/18

Sample: BF-6 @ 5.0'

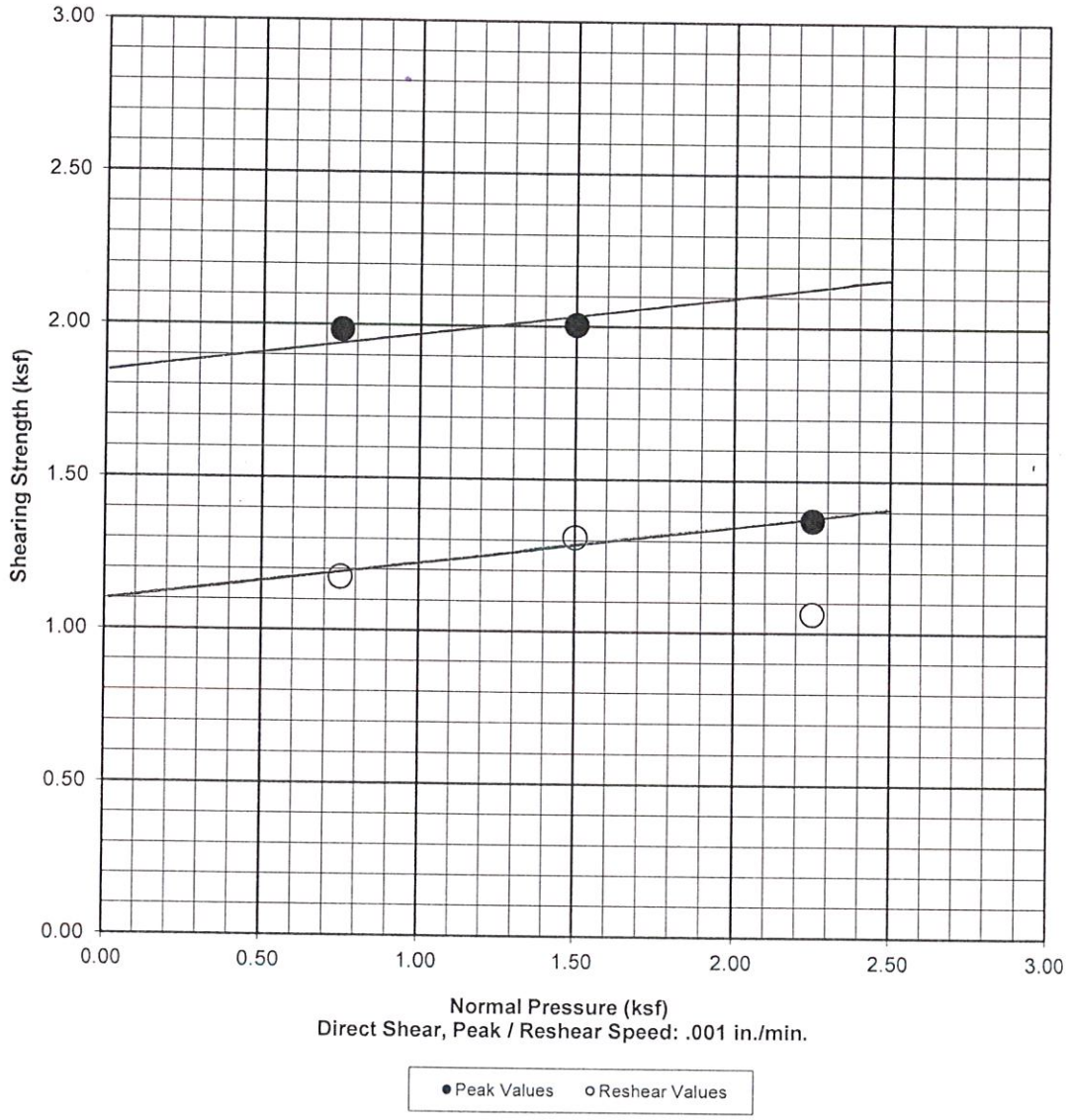
GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

PLATE SH-3

Shear Test Diagram
Peak
C(psf): 1850 Phi (degrees): 7.0

Reshear
C(psf): 1100 Phi (degrees): 7.0



Undisturbed **Natural** Shear-Saturated

Dark brown slightly sandy CLAY.

35.3% Saturated Moisture Content

Sportsman's Lodge
W.O.: 6792 A

Date of Test: 8/18

Sample: **BF-7 @ 2.5'**

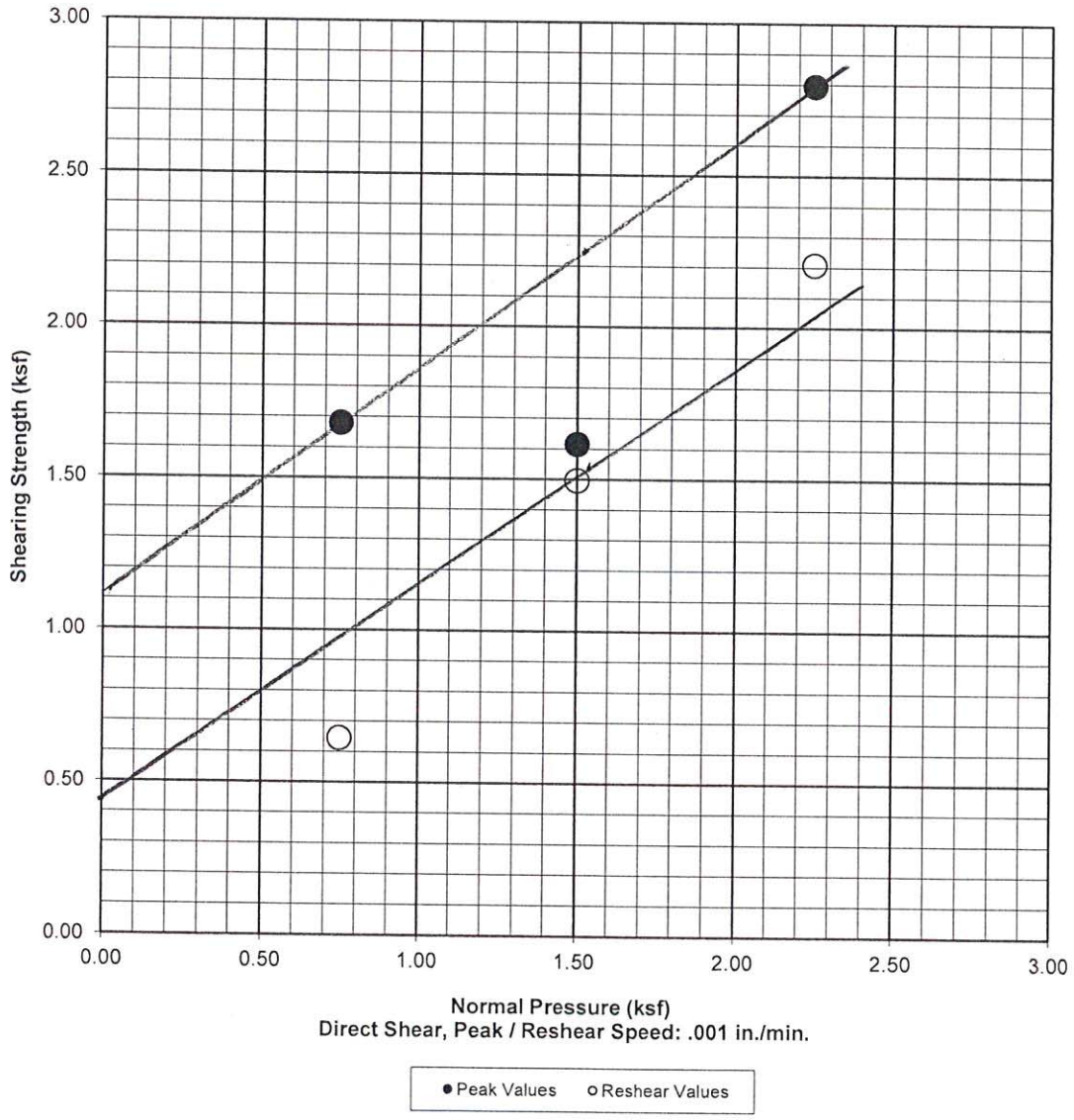
GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

PLATE SH-4

Shear Test Diagram
Peak
C(psf): 1130 Phi (degrees): 35.0

Reshear
C(psf): 450 Phi (degrees): 34.0



Undisturbed **Natural** Shear-Saturated

Light-brown, slightly clayey SILT.

35.3% Saturated Moisture Content

Sportsman's Lodge
W.O.: 6792 A

Date of Test: 8/18

Sample: **BF-10 @ 5.0'**

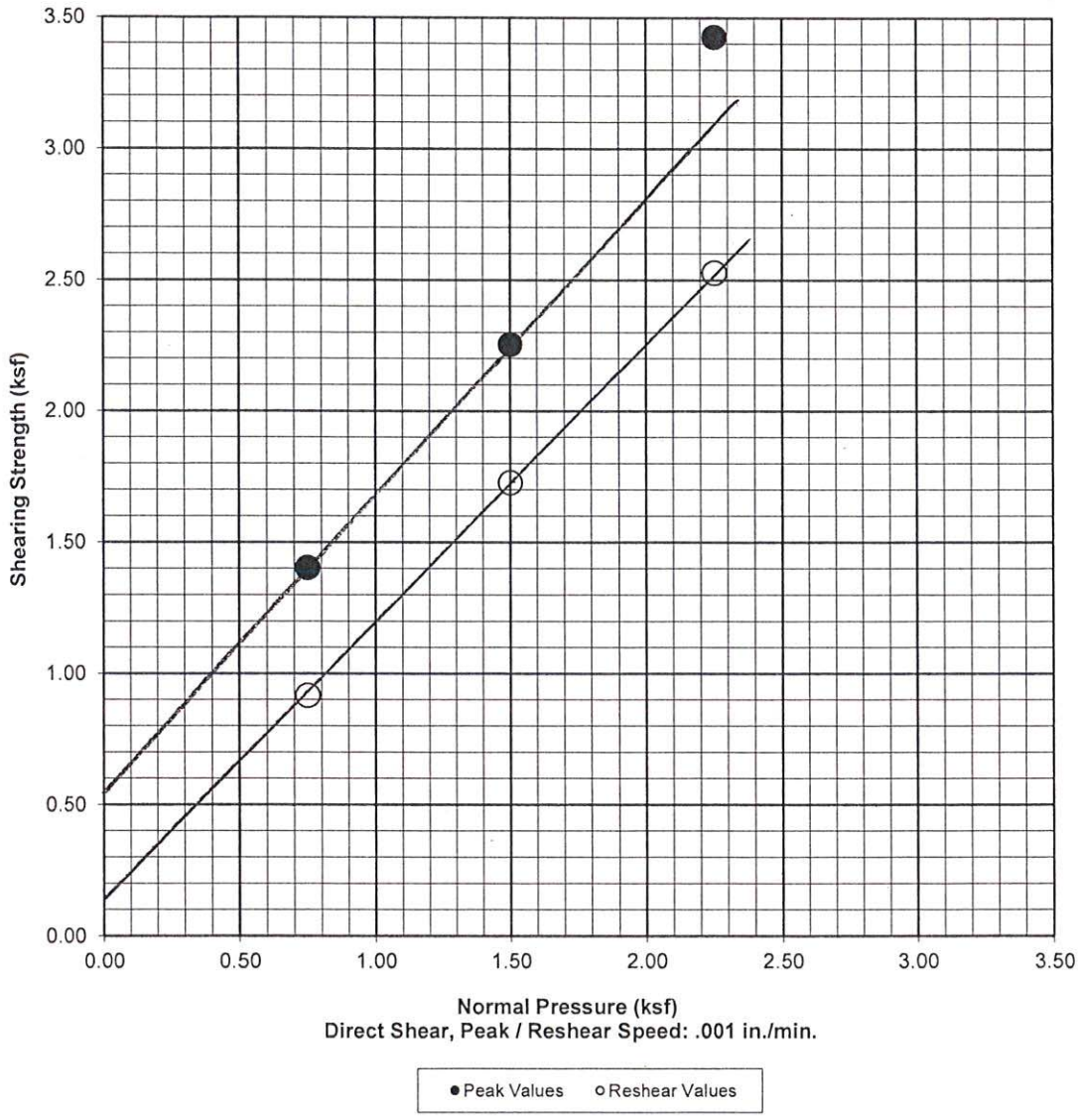
GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

PLATE SH-5

Shear Test Diagram
Peak
C(psf): 560 Phi (degrees): 47.0

Reshear
C(psf): 160 Phi (degrees): 45.0



Undisturbed **Natural** Shear-Saturated

Brown, slightly clayey SAND, w/ rock fragments.

30.4% Saturated Moisture Content

6792A.9.xls

Sportsman's Lodge
W.O.: 6792 A

Date of Test: 8/18

Sample: **BF-14 @ 5.0'**

GeoSoils Consultants, Inc.

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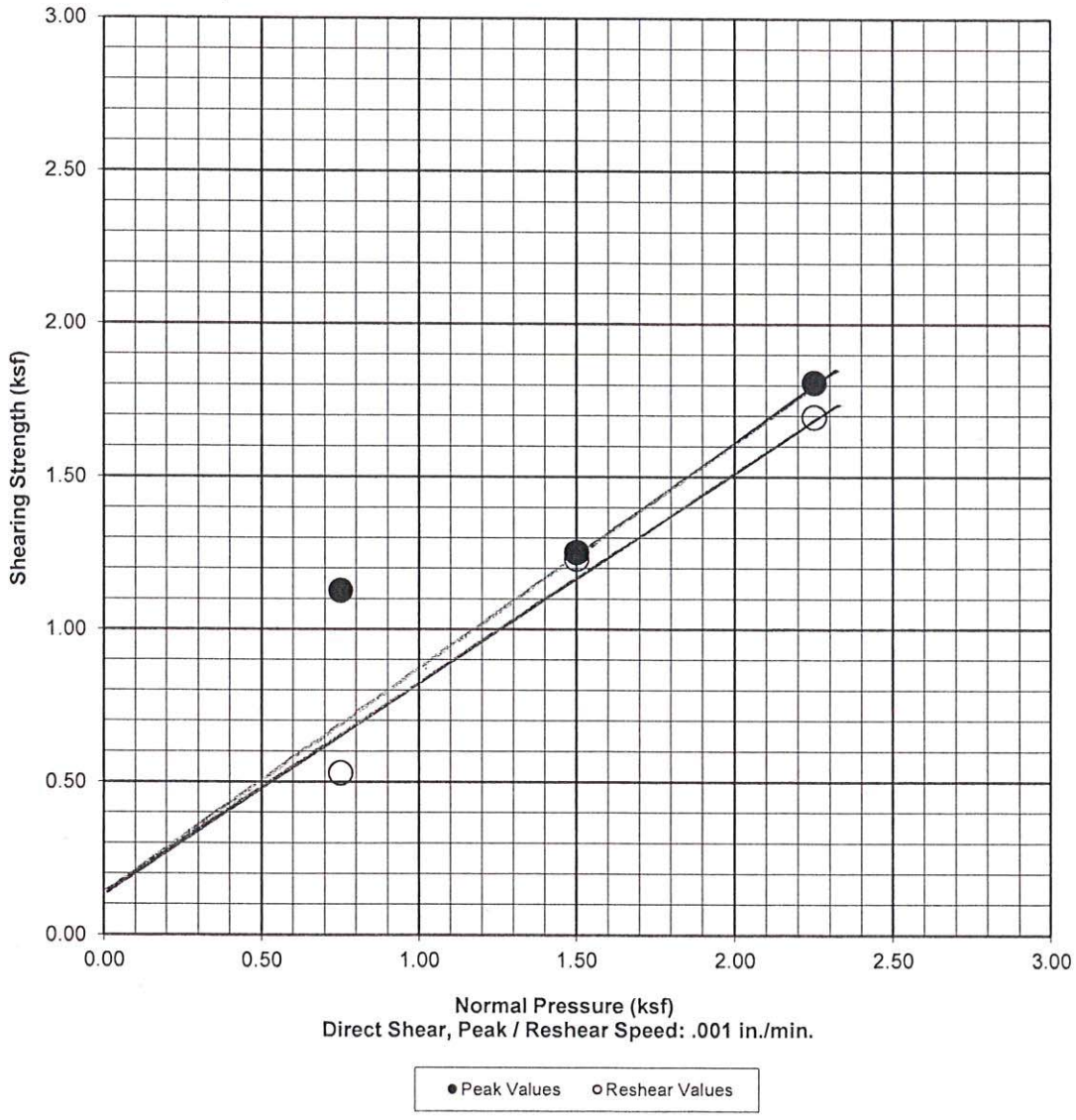
PLATE SH-6

Shear Test Diagram
Peak
C(psf): 140 Phi (degrees): 35.0

Reshear
C(psf): 140 Phi (degrees): 33.0



Undisturbed **Natural** Shear-Saturated

Dark-brown, slightly sandy, clayey SILT.

28.1% Saturated Moisture Content

6792A.10.xls

Sportsman's Lodge
W.O.: 6792 A

Date of Test: 8/18

Sample: **BF-17 @ 5.0'**

GeoSoils Consultants, Inc.

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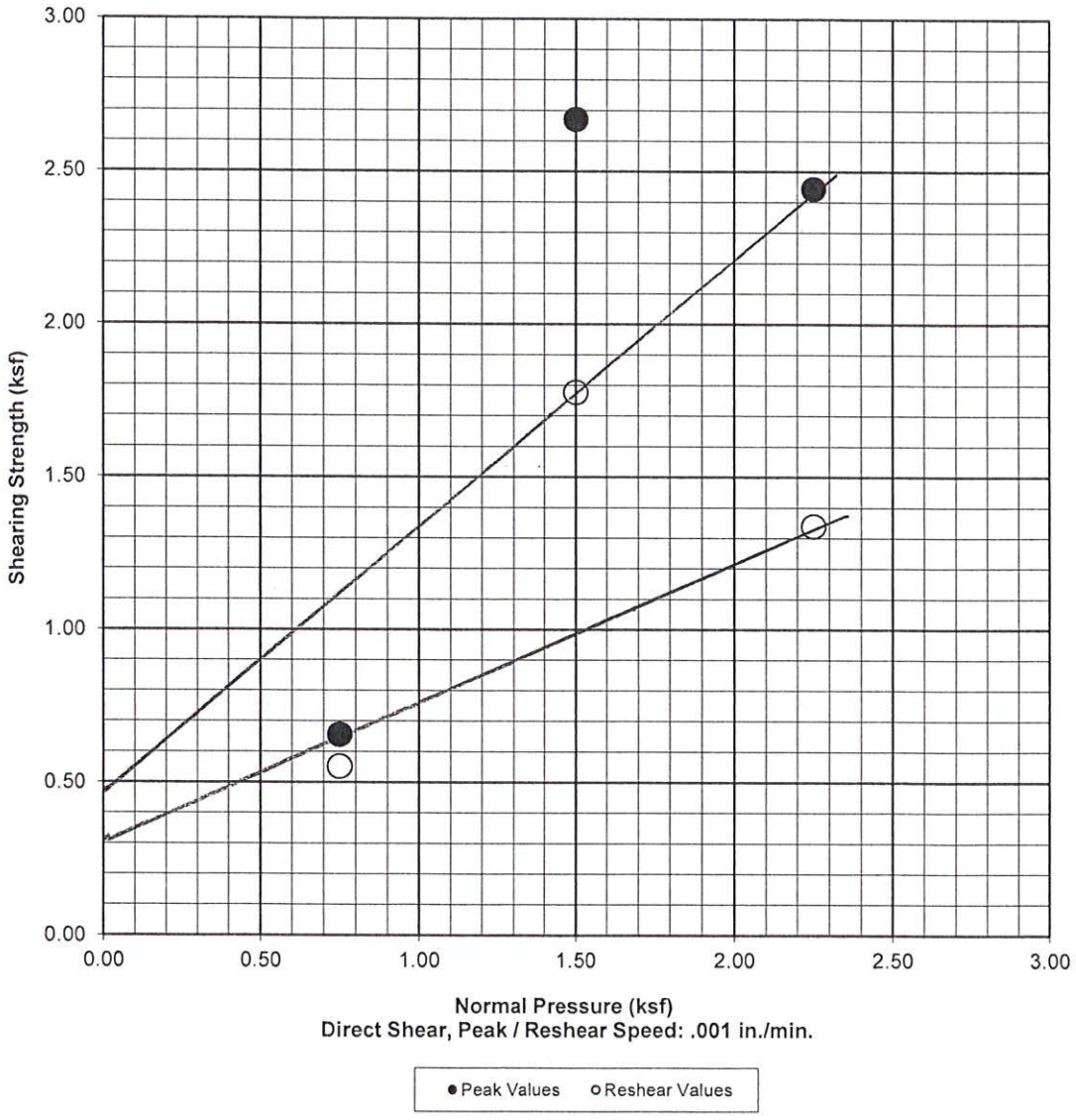
PLATE SH-7

Shear Test Diagram
Peak
C(psf): 480 Phi (degrees): 39.5

Reshear
C(psf): 310 Phi (degrees): 23.0



Undisturbed **Natural** Shear-Saturated

Dark-brown, slightly sandy, silty CLAY.

33.6% Saturated Moisture Content

6792A.11.xls

Midwood
W.O.: 6792A

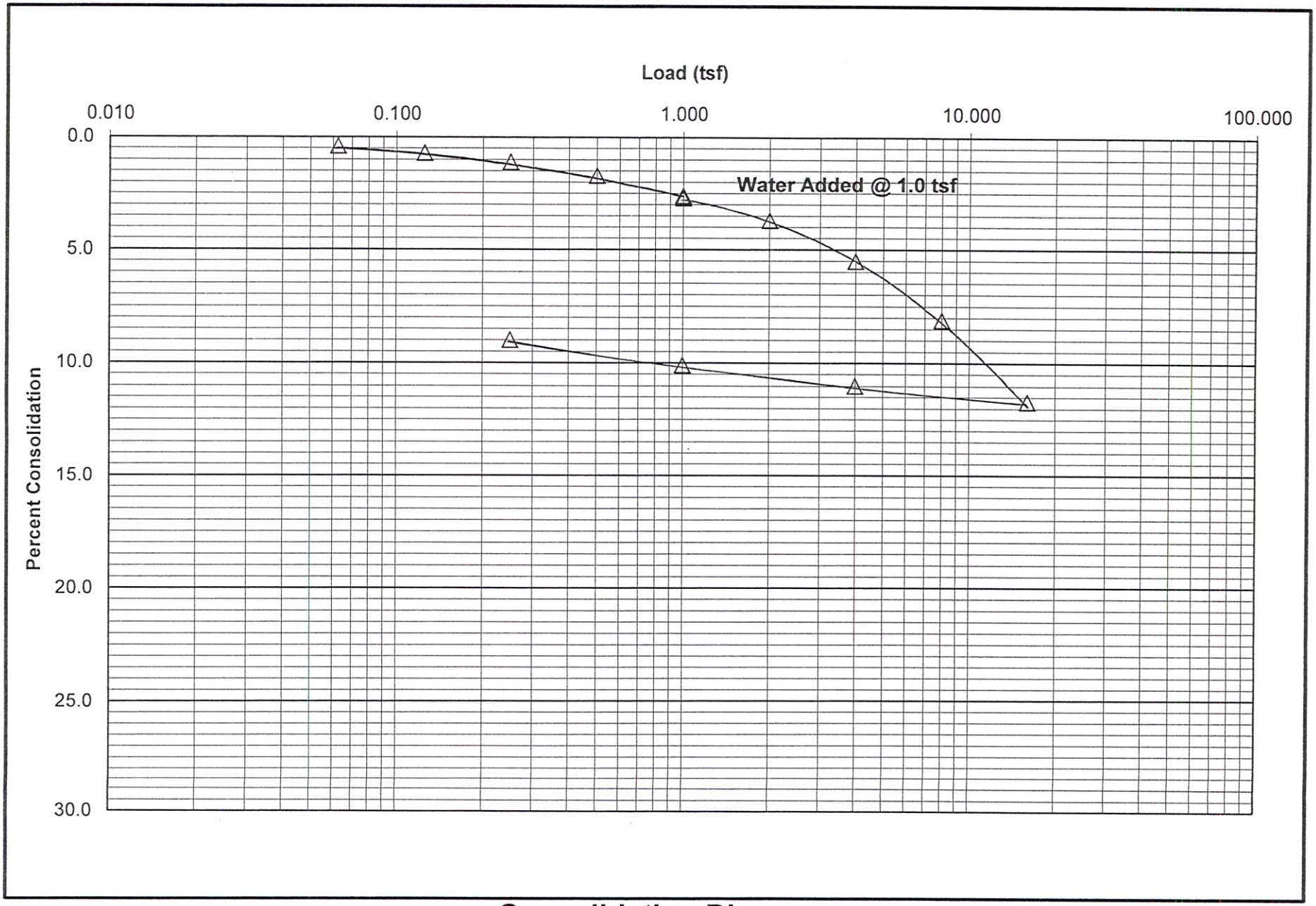
Date of Test: 6/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 17.6 After: 22.6

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-1 @ 15.0
Brown sandy CLAY with rock fragments.

Consolidation Diagram

C6792A.4.xls

Plate C-1

Midwood
W.O.: 6792A

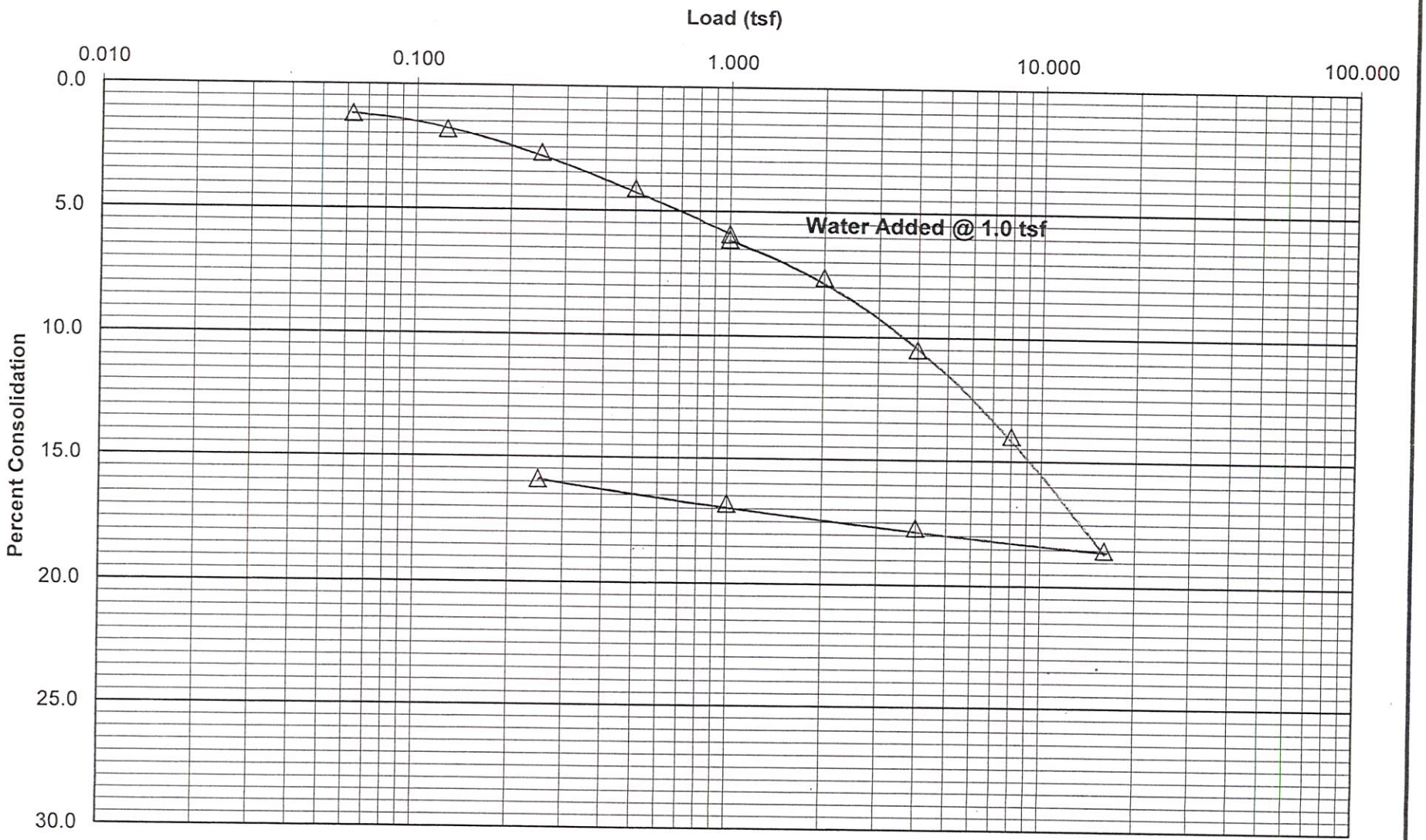
Date of Test: 6/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 28.0 After: 21.9

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-1 @ 25.0
Brown slightly sandy CLAY with rock fragments.

Consolidation Diagram

C6792A.5.xls

Plate C-2

Midwood
W.O.: 6792A

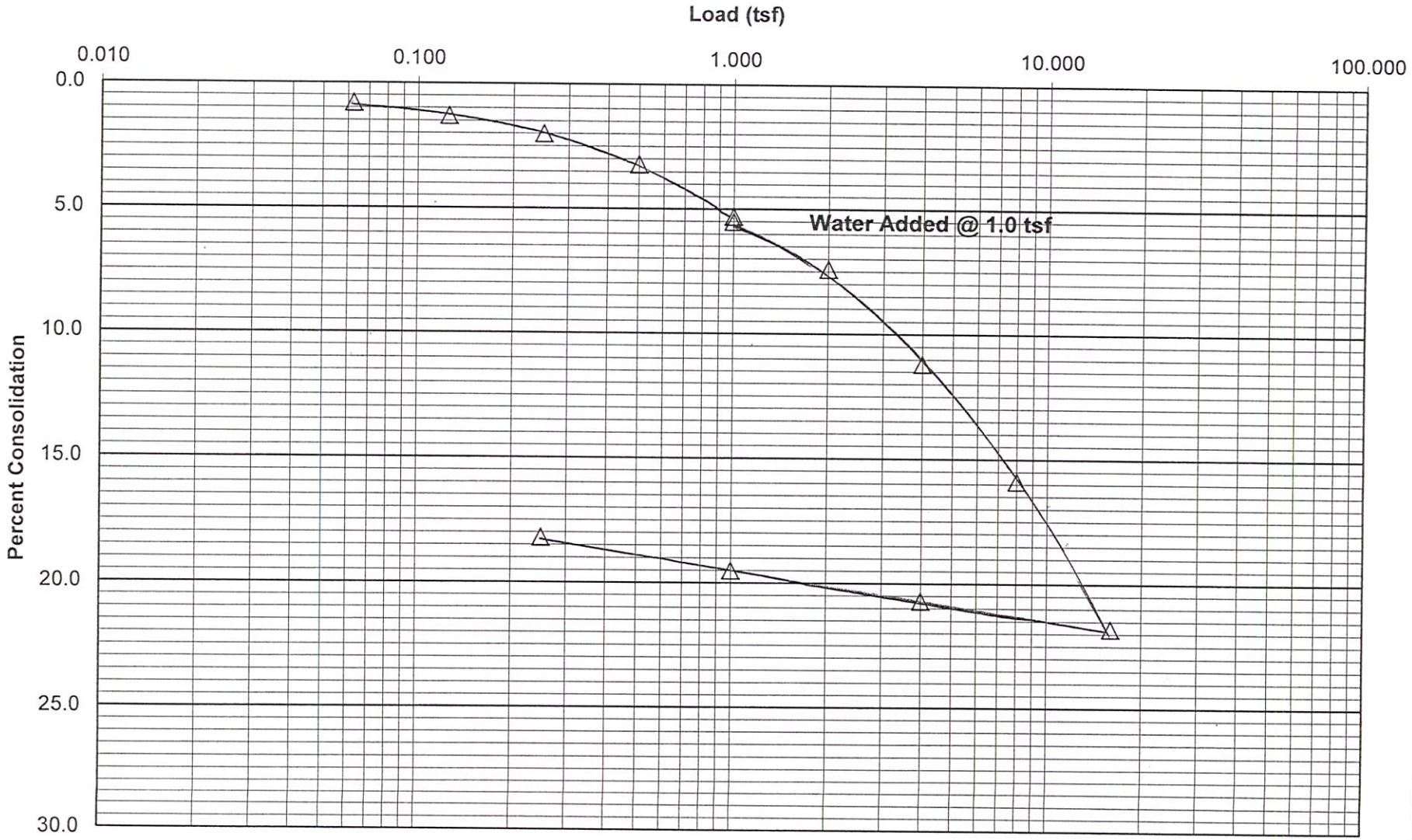
Date of Test: 6/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 30.5 After: 24.6

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-2 @ 22.5
Brown slightly sandy CLAY.

Consolidation Diagram

C6792A.6.xls

Plate C-3

Midwood
W.O.: 6792A

Date of Test: 6/18

GeoSoils Consultants, Inc.

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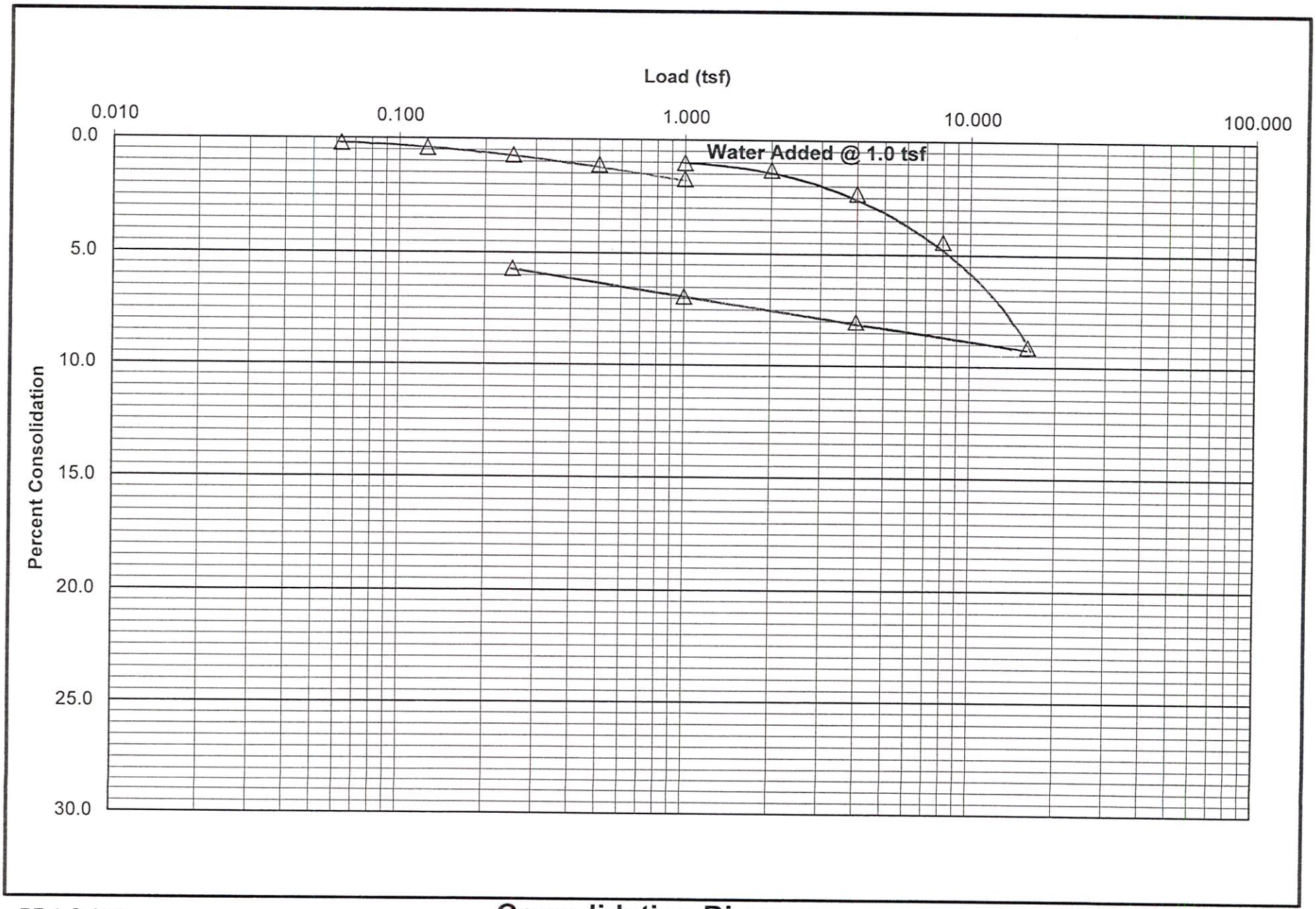
Moisture(%)
Before: 18.1 After: 21.9

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-4 @ 10.0
Light to dark brown silty sandy CLAY.

Consolidation Diagram

C6792A.7.xls

Plate C-4

Midwood
W.O.: 6792A

Date of Test: 6/18

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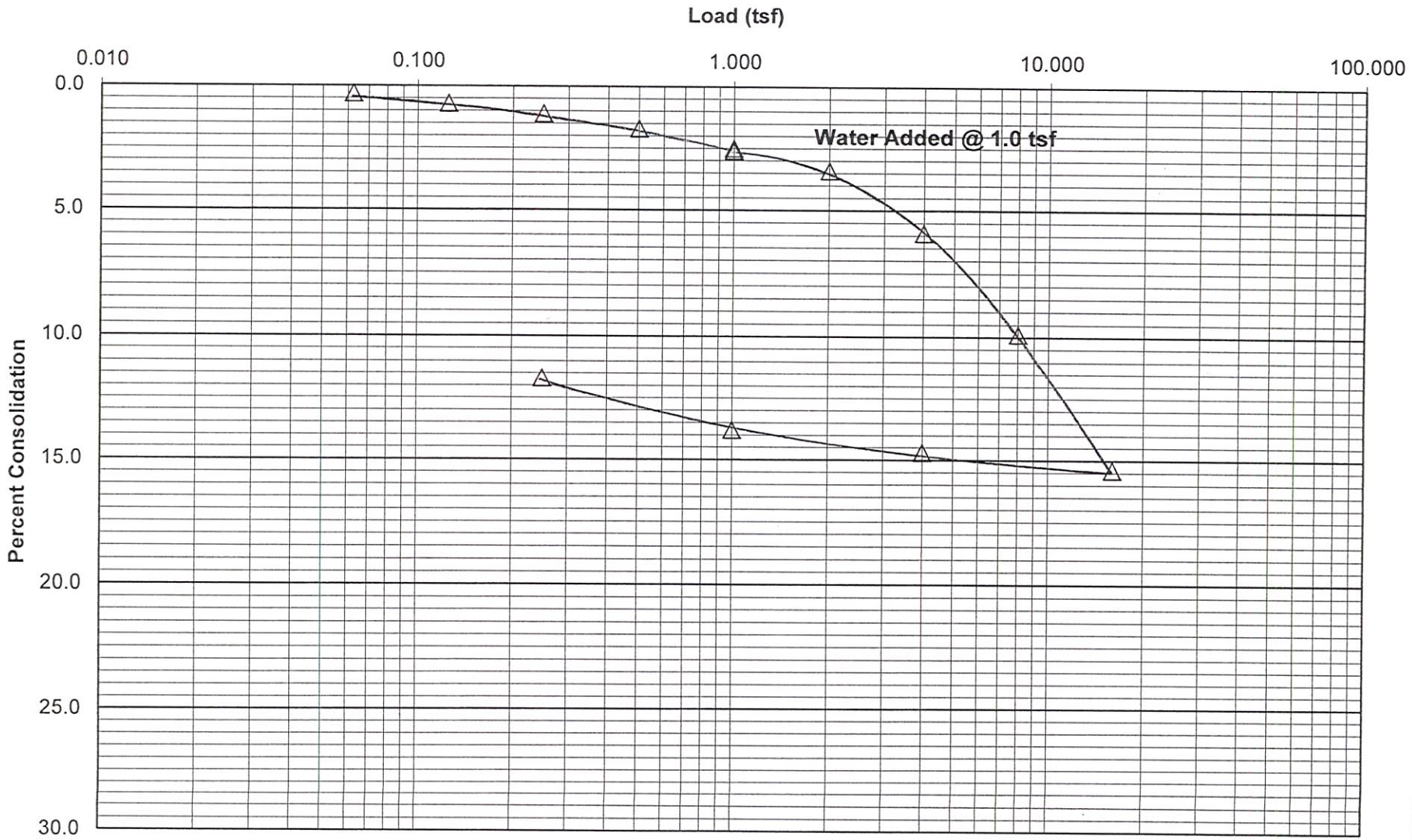
Moisture(%)
Before: 21.4 After: 23.8

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-4 @ 15.0
Brown slightly sandy CLAY.

Consolidation Diagram

C6792A.8.xls

Plate C-5

Midwood
W.O.: 6792A

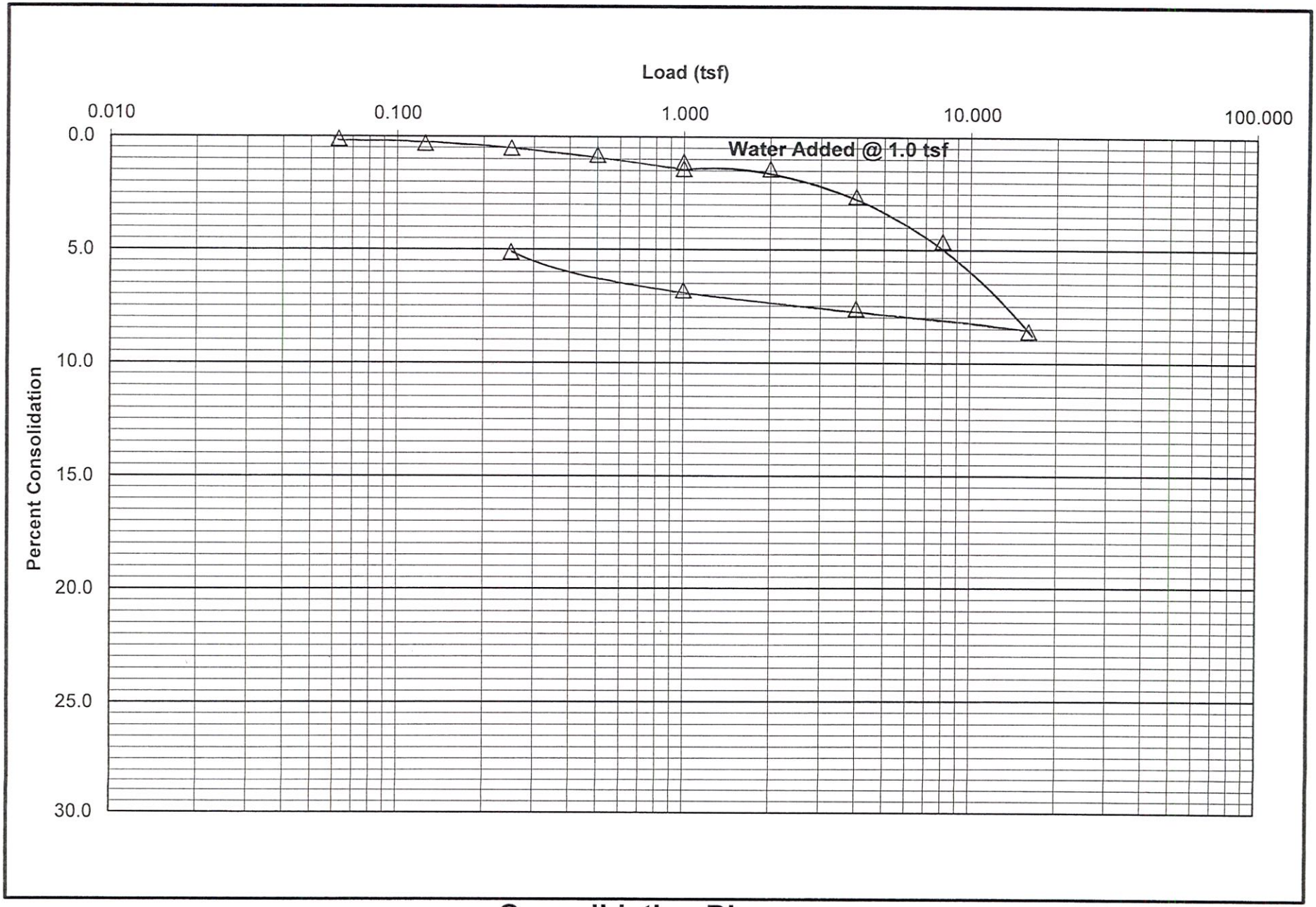
Date of Test: 6/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 18.8 After: 25.8

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-5 @ 10.0
Medium to dark brown slightly sandy CLAY.

Consolidation Diagram

C6792A.9.xls

Plate C-6

Midwood
W.O.: 6792A

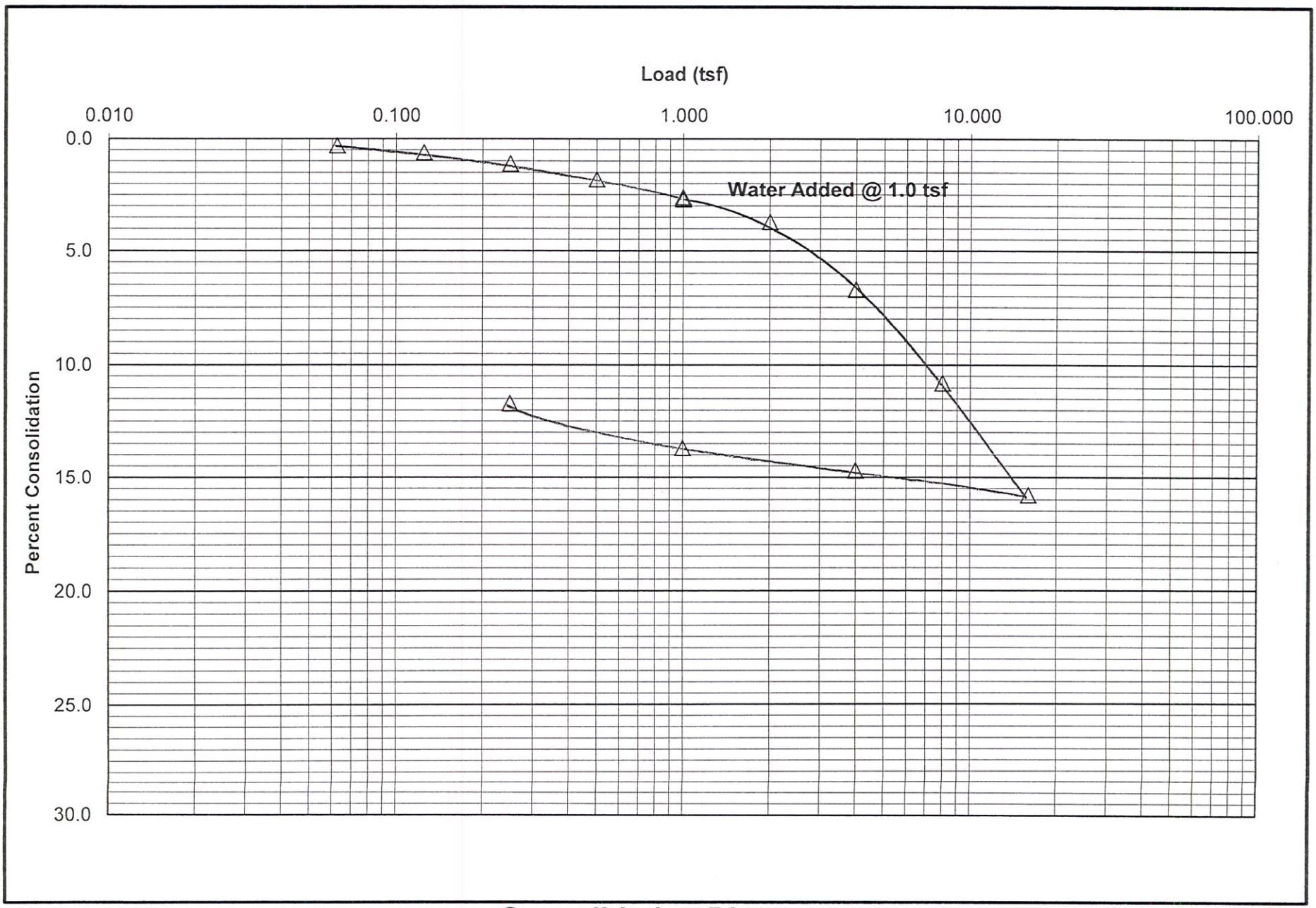
Date of Test: 6/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 23.5 After: 25.8

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-5 @ 15.0
Brown slightly sandy CLAY with rock fragments.

Consolidation Diagram

C6792A.10.xls

Plate C-7

Midwood
W.O.: 6792A

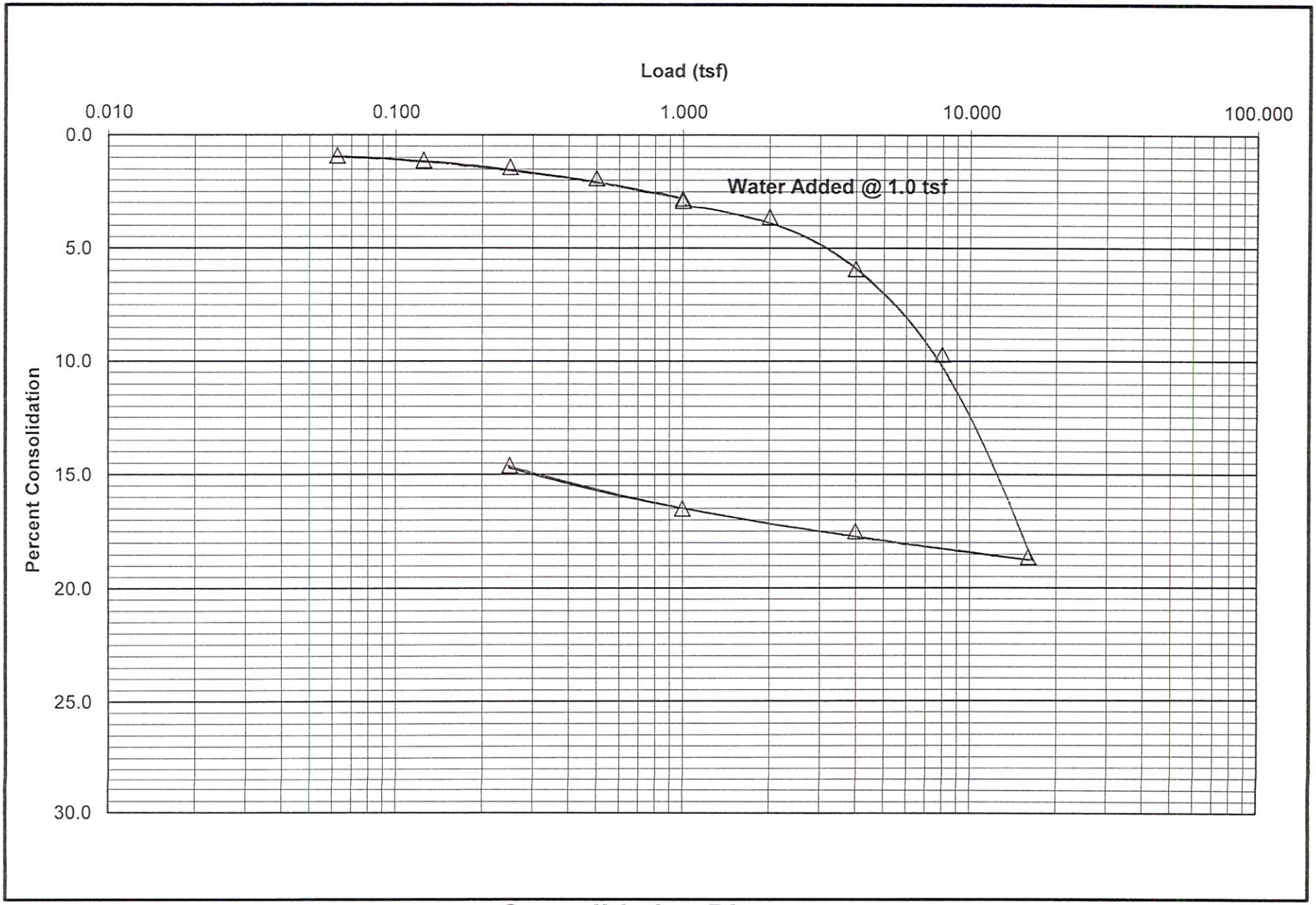
Date of Test: 6/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 23.9 After: 25.8

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-6 @ 5.0
Dark brown slightly sandy CLAY.

Consolidation Diagram

C6792A.11.xls

Plate C-8

Sportsman's Lodge
W.O.: 6792A

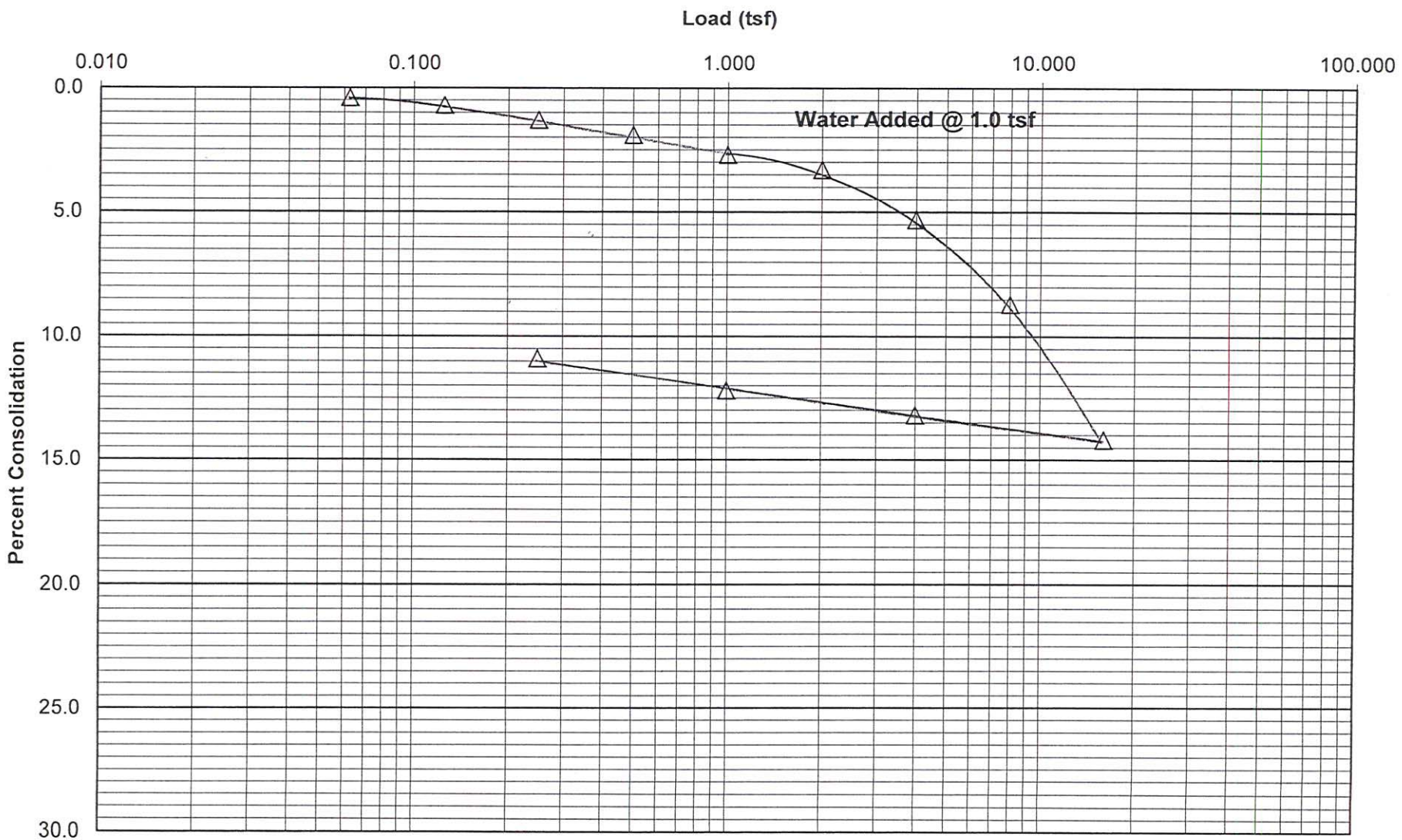
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 23.6 After: 22.4

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-9 @ 5.0
Dark brown slightly sandy CLAY.

Consolidation Diagram

C6792A.12.xls

Plate C-9

Sportsman's Lodge
W.O.: 6792A

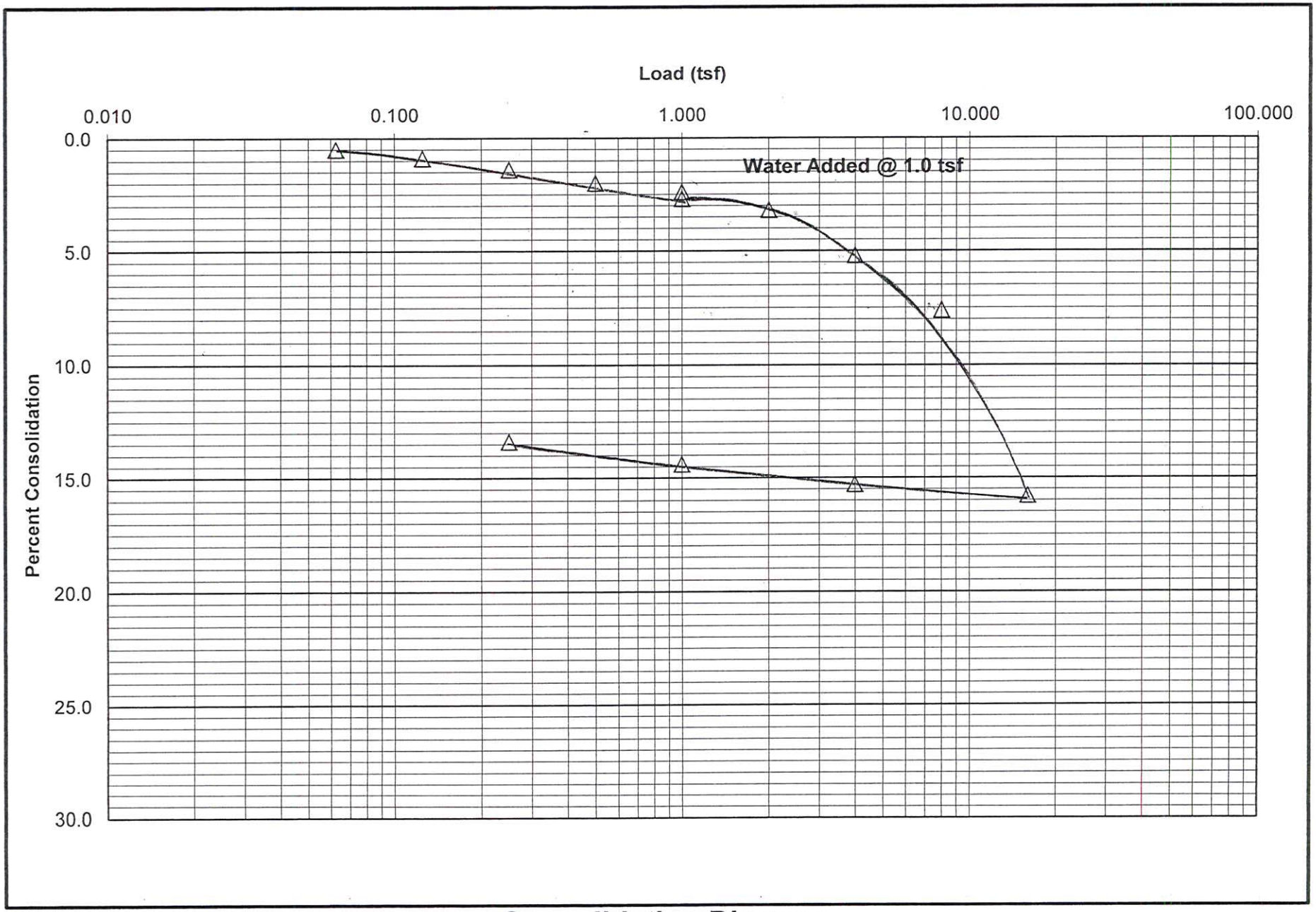
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 22.7 After: 28.5

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-10 @ 10.0
Brown slightly sandy CLAY.

Consolidation Diagram

C6792A.13.xls

Plate C-10

Sportsman's Lodge
W.O.: 6792A

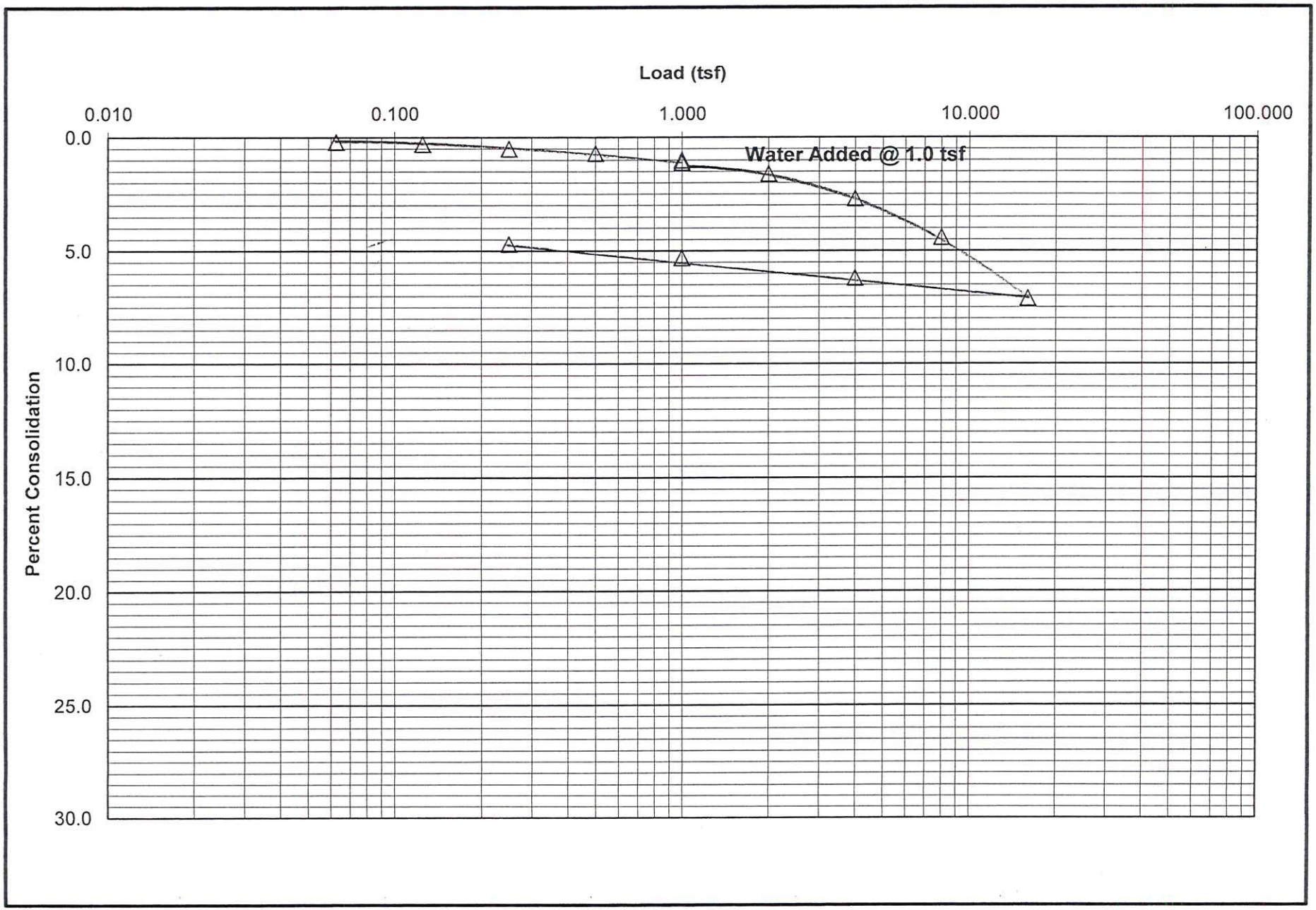
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 15.2 After: 24.3

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-11 @ 15.0
Orange brown sandy CLAY with rock fragments.

Consolidation Diagram

C6792A.14.xls

Plate C-11

Sportsman's Lodge
W.O.: 6792A

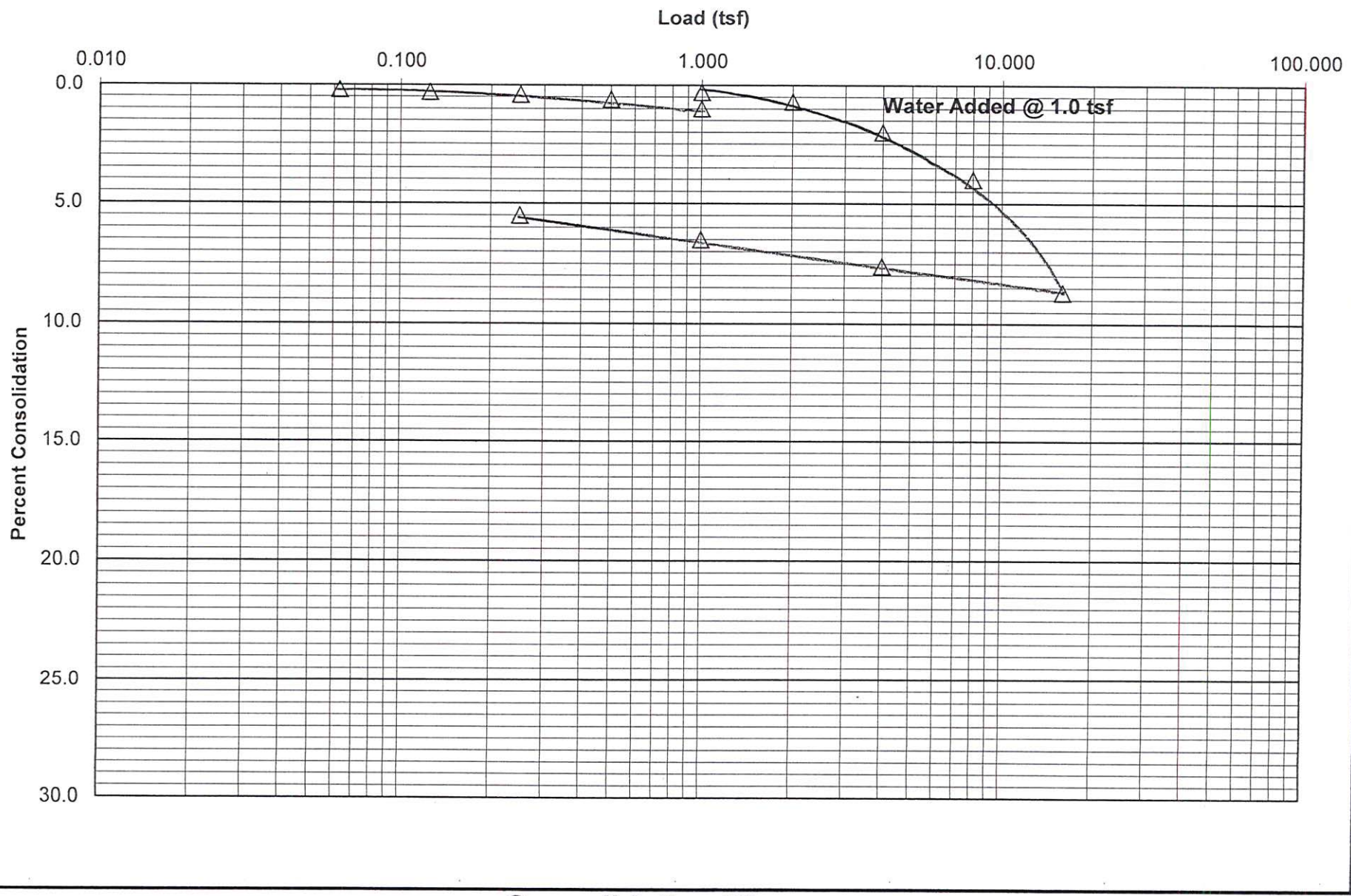
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 17.8 After: 23.3

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-12 @ 5.0
Brown slightly sandy CLAY.

Consolidation Diagram

C6792A.15.xls

Plate C-12

Sportsman's Lodge
W.O.: 6792A

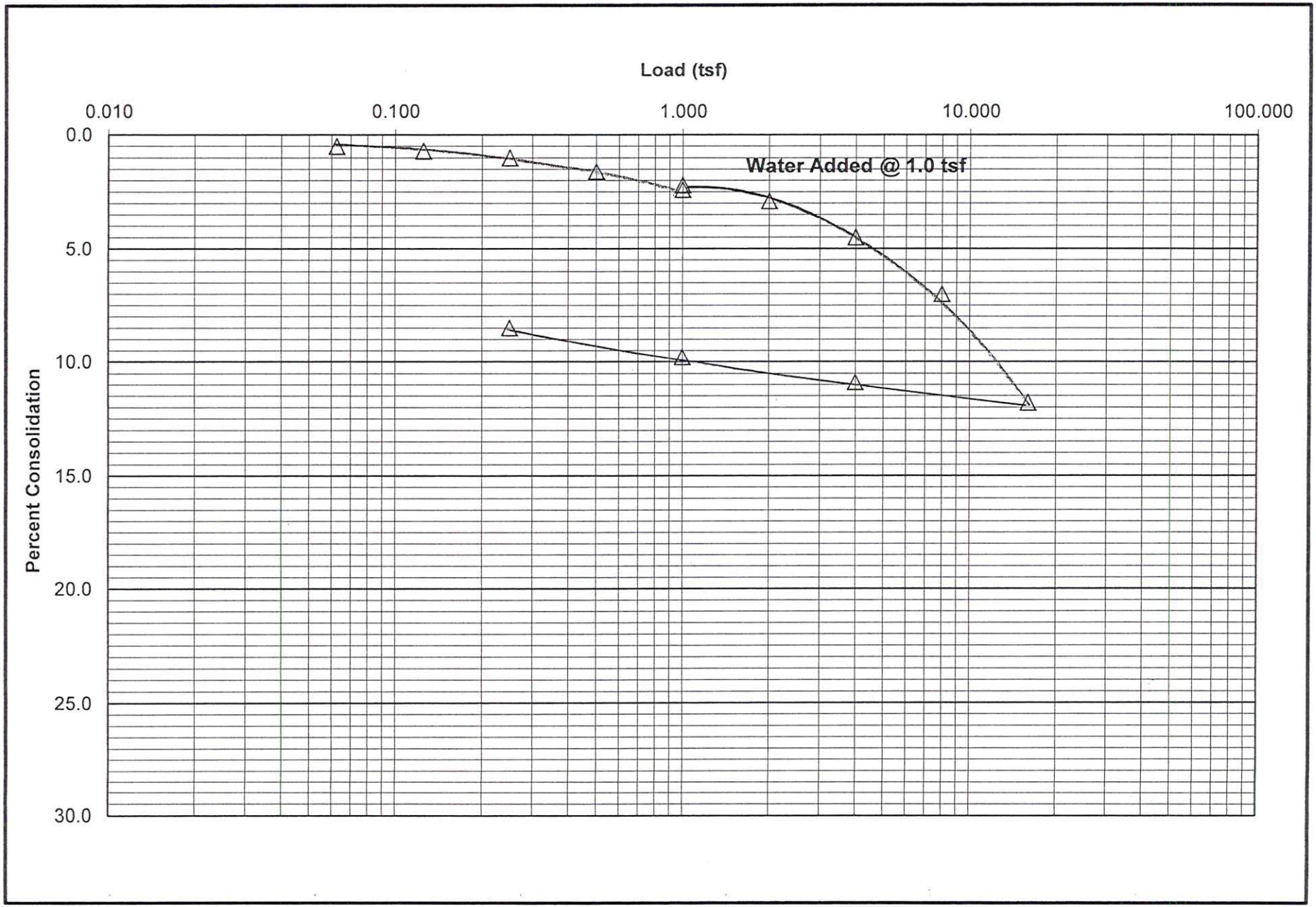
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 19.3 After: 25.2

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-12 @ 10.0
Brown slightly sandy CLAY with rock fragments.

Consolidation Diagram

C6792A.16.xls

Plate C-13

Sportsman's Lodge
W.O.: 6792A

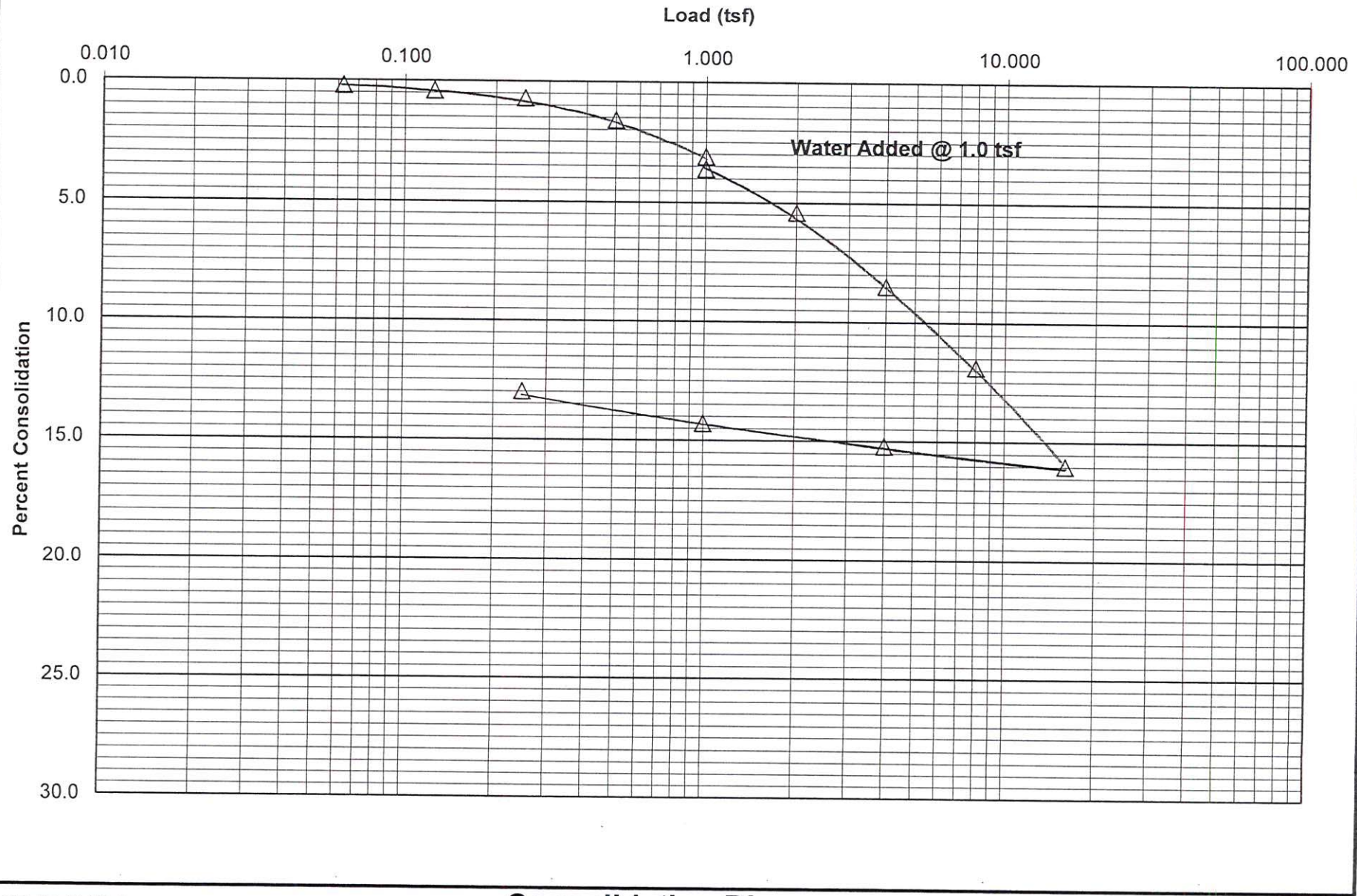
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 26.9 After: 22.9

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-12 @ 15.0
Brown slightly sandy CLAY.

Consolidation Diagram

C6792A.17.xls

Plate C-14

Sportsman's Lodge
W.O.: 6792A

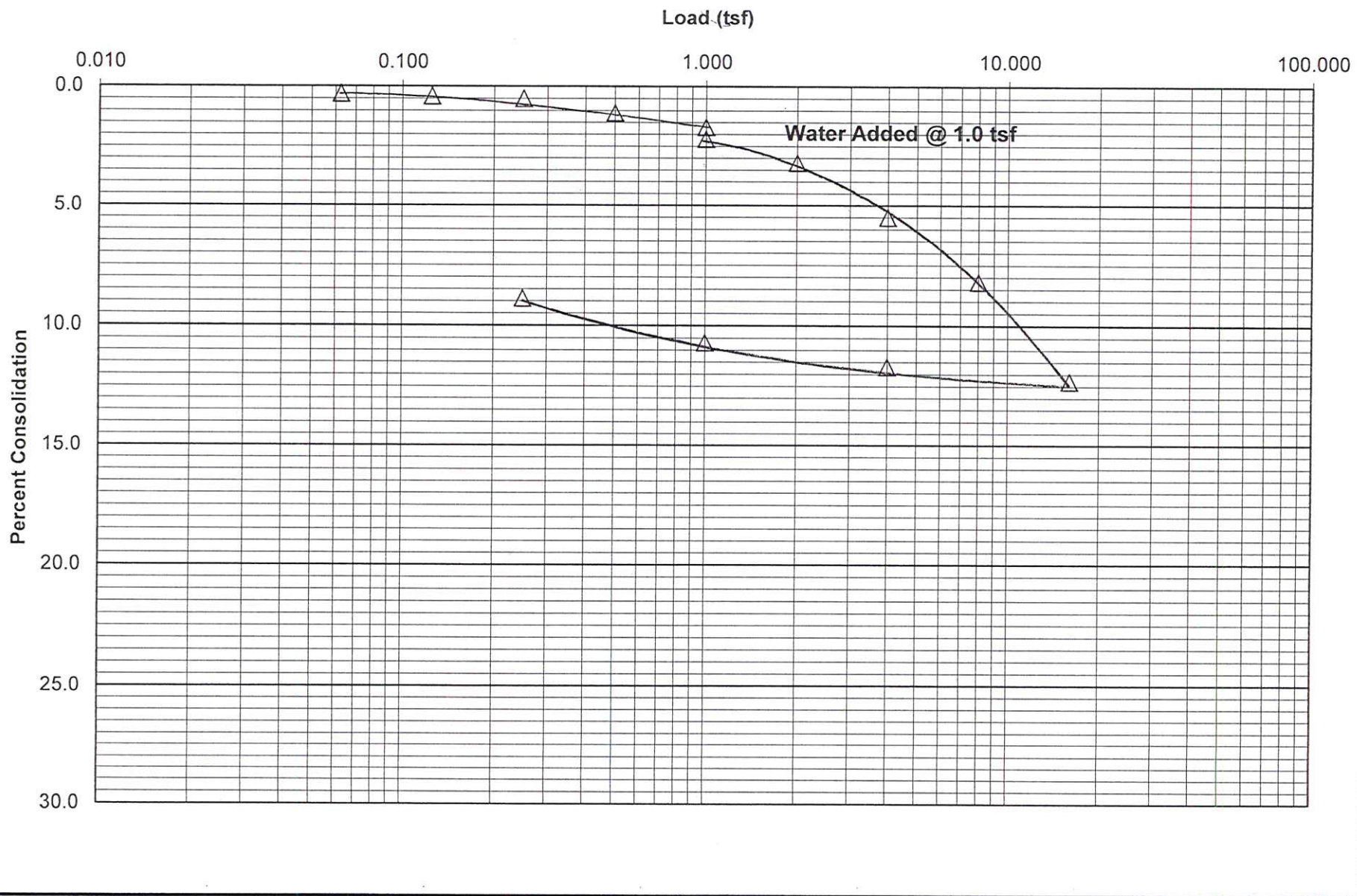
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 18.2 After: 25.9

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-13 @ 5.0
Dark brown clayey SILT.

Consolidation Diagram

C6792A.18.xls

Plate C-15

Sportsman's Lodge
W.O.: 6792A

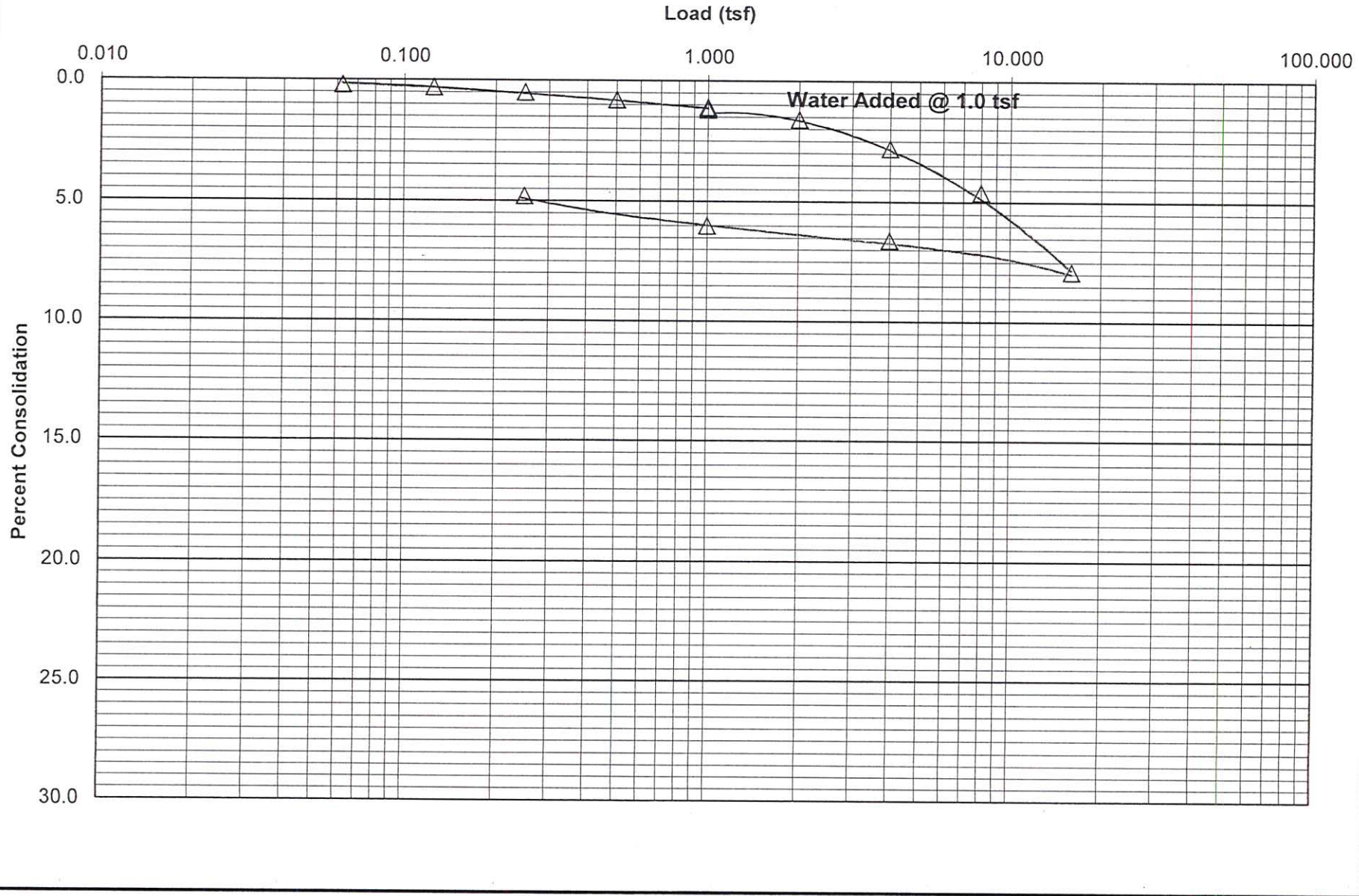
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 21.1 After: 20.4

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-14 @ 5.0
Brown slightly sandy clayey SILT.

Consolidation Diagram

C6792A.19.xls

Plate C-16

Sportsman's Lodge
W.O.: 6792A

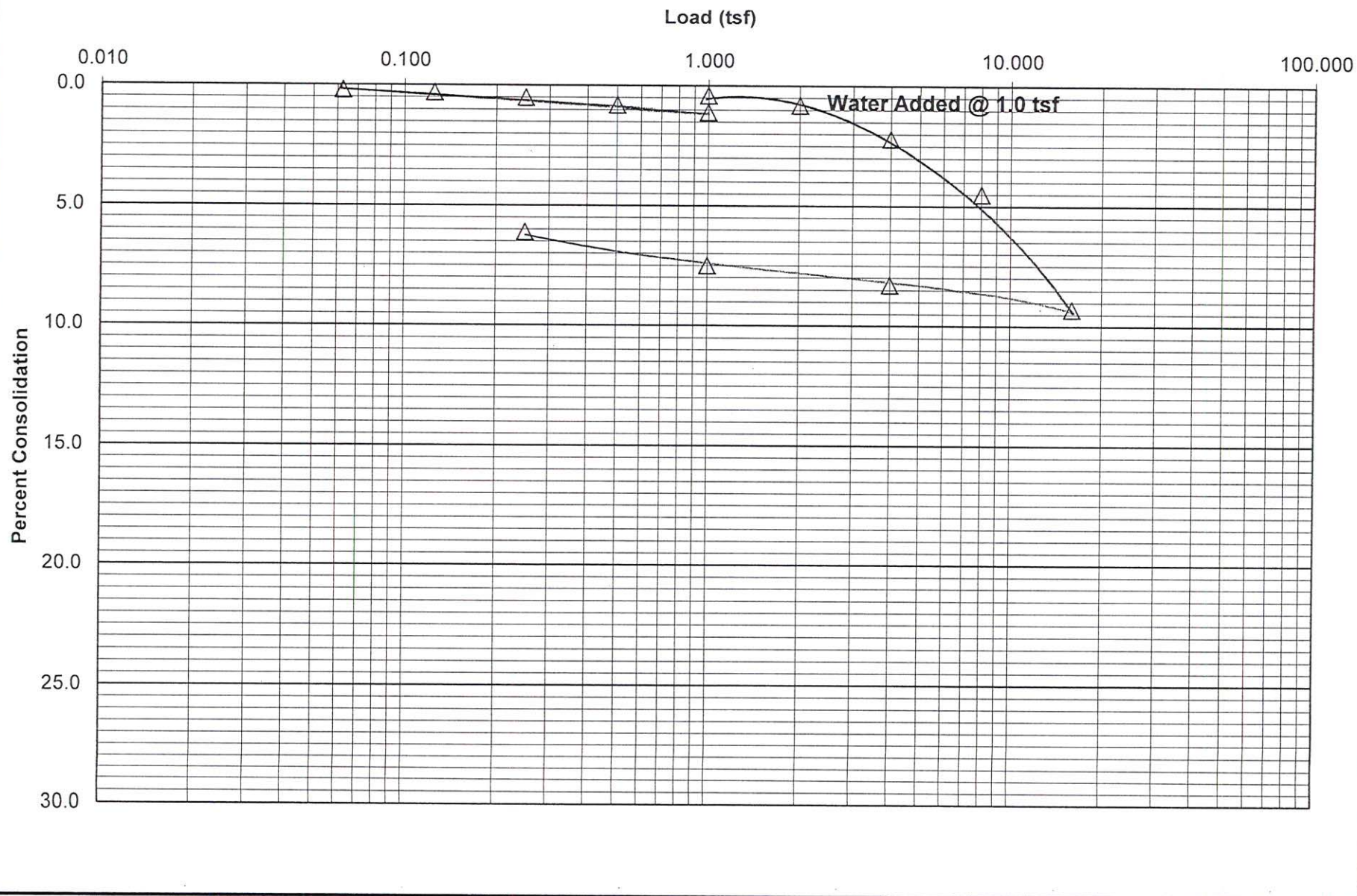
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 25.2 After: 23.8

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-15 @ 10.0
Brown slightly sandy silty CLAY.

Consolidation Diagram

C6792A.20.xls

Plate C-17

Sportsman's Lodge
W.O.: 6792A

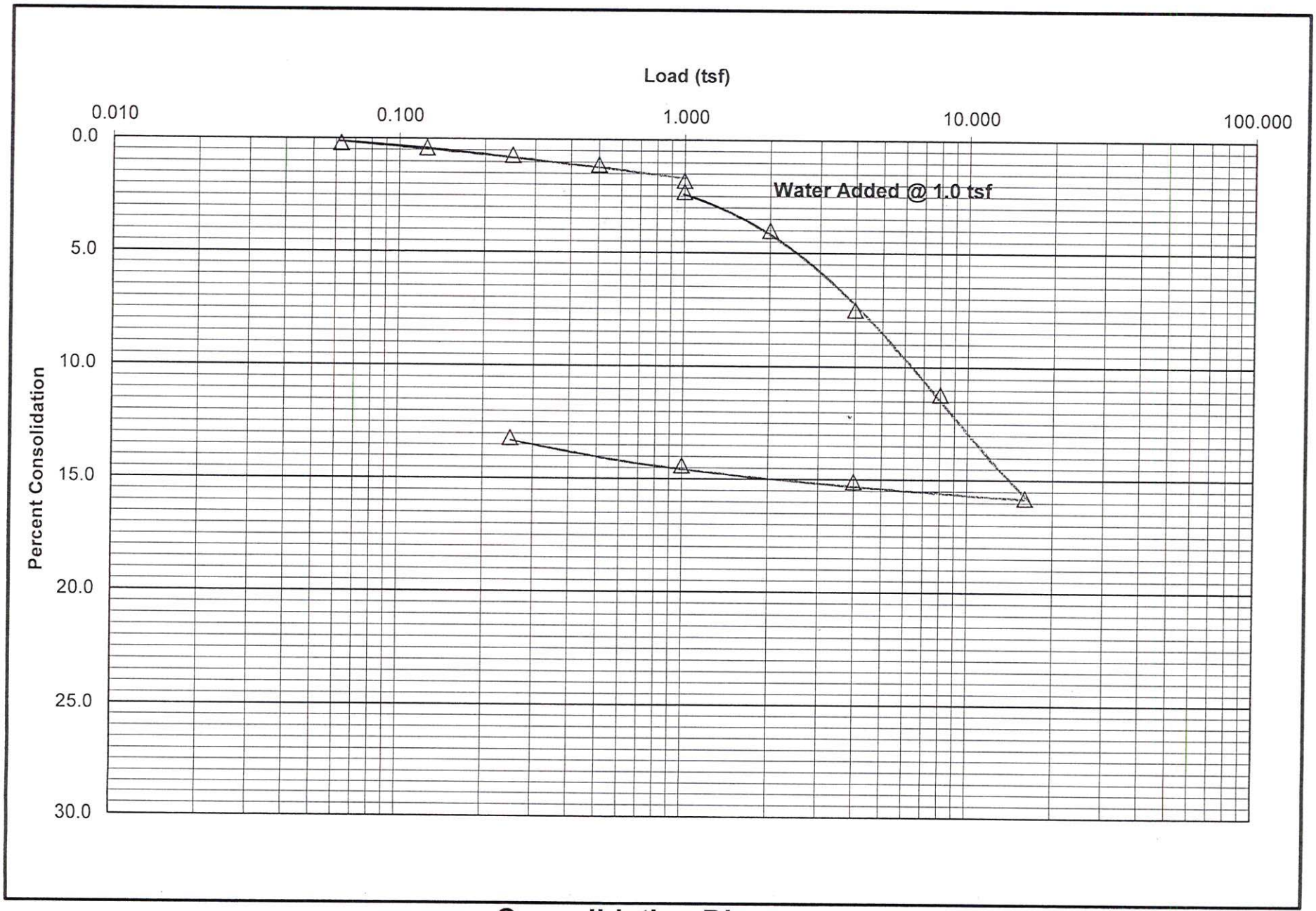
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 17.9 After: 19.2

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-15 @ 15.0
Brown slightly sandy clayey SILT.

Consolidation Diagram

C6792A.21.xls

Plate C-18

Sportsman's Lodge
W.O.: 6792A

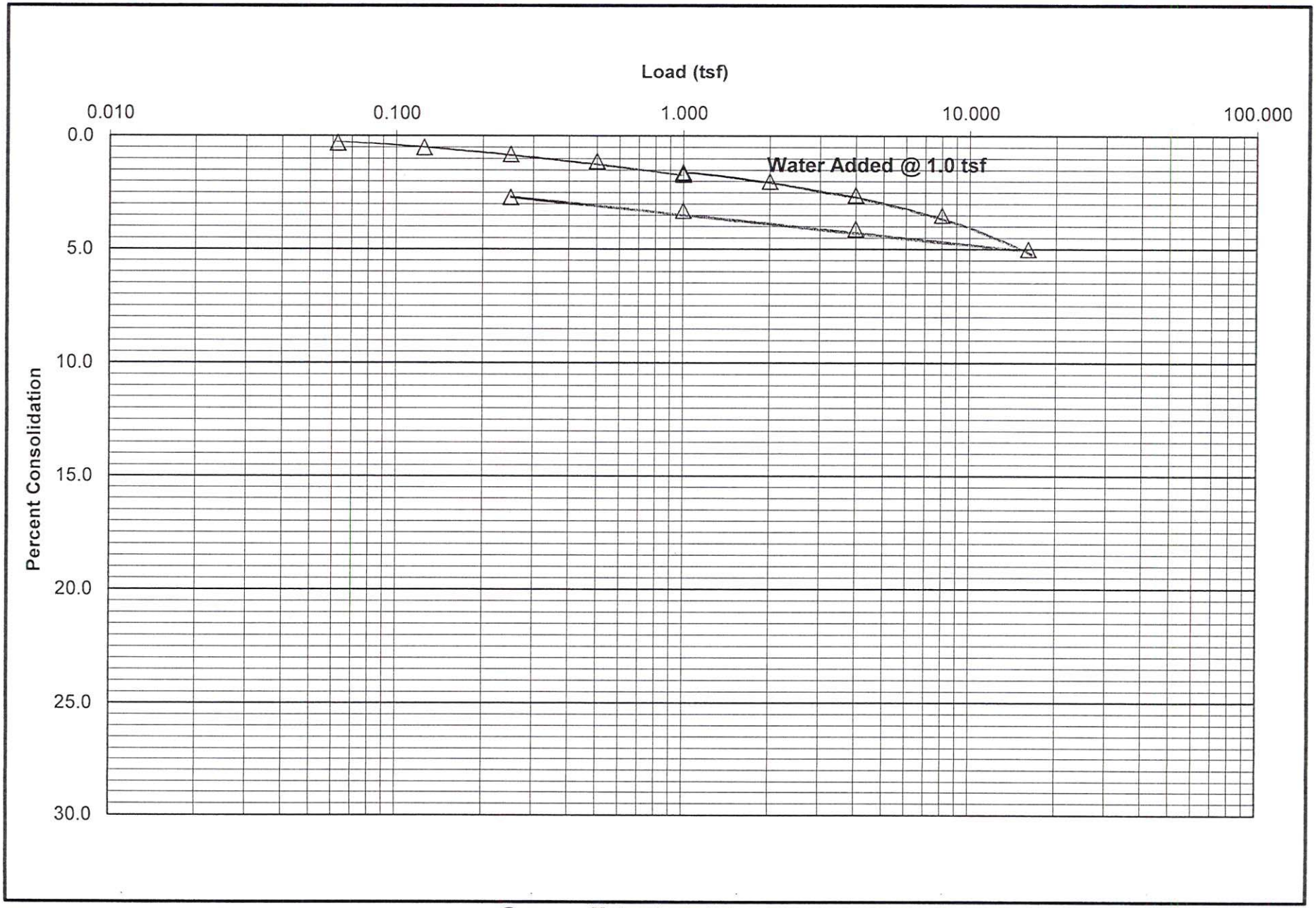
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 22.9 After: 24.9

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-16 @ 5.0
Dark brown slightly sandy CLAY with rock fragments.

Consolidation Diagram

C6792A.22.xls

Plate C-19

Sportsman's Lodge
W.O.: 6792A

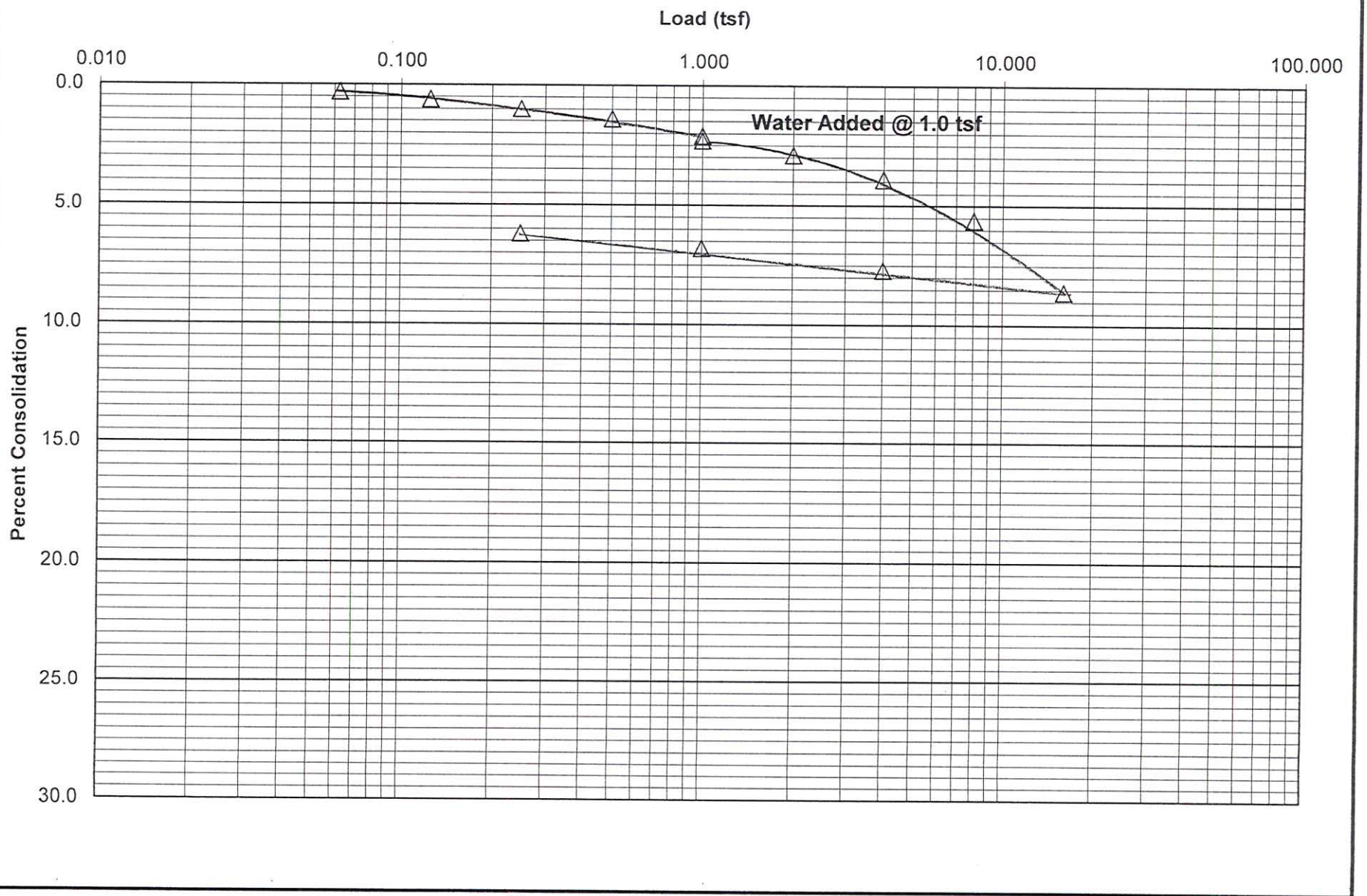
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 24.7 After: 22.2

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-16 @ 10.0
Dark brown slightly sandy CLAY.

Consolidation Diagram

C6792A.23.xls

Plate C-20

Sportsman's Lodge
W.O.: 6792A

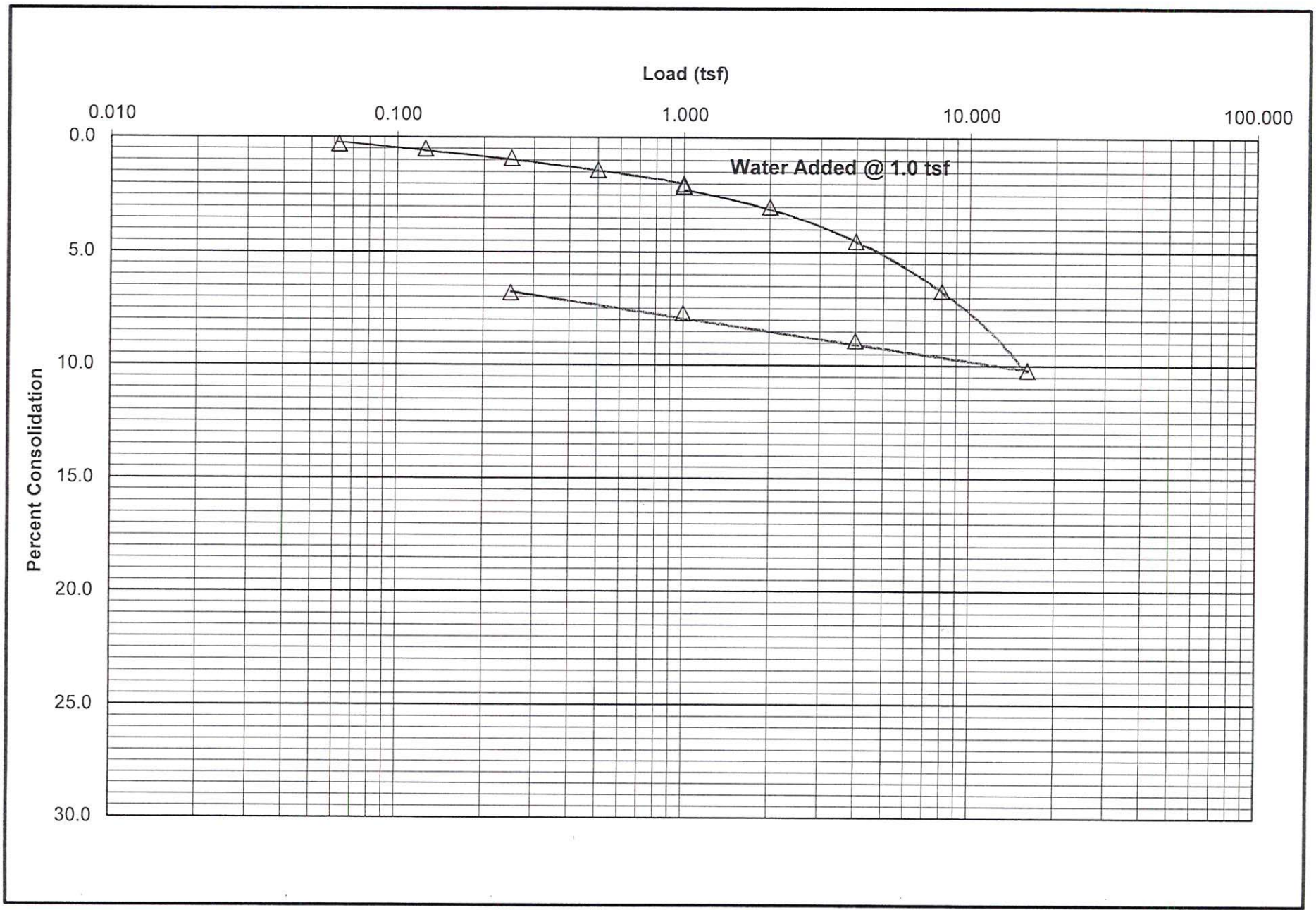
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 14.2 After: 23.2

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-17 @ 5.0
Dark brown slightly sandy silty CLAY.

Consolidation Diagram

C6792A.24.xls

Plate C-21

Sportsman's Lodge
W.O.: 6792A

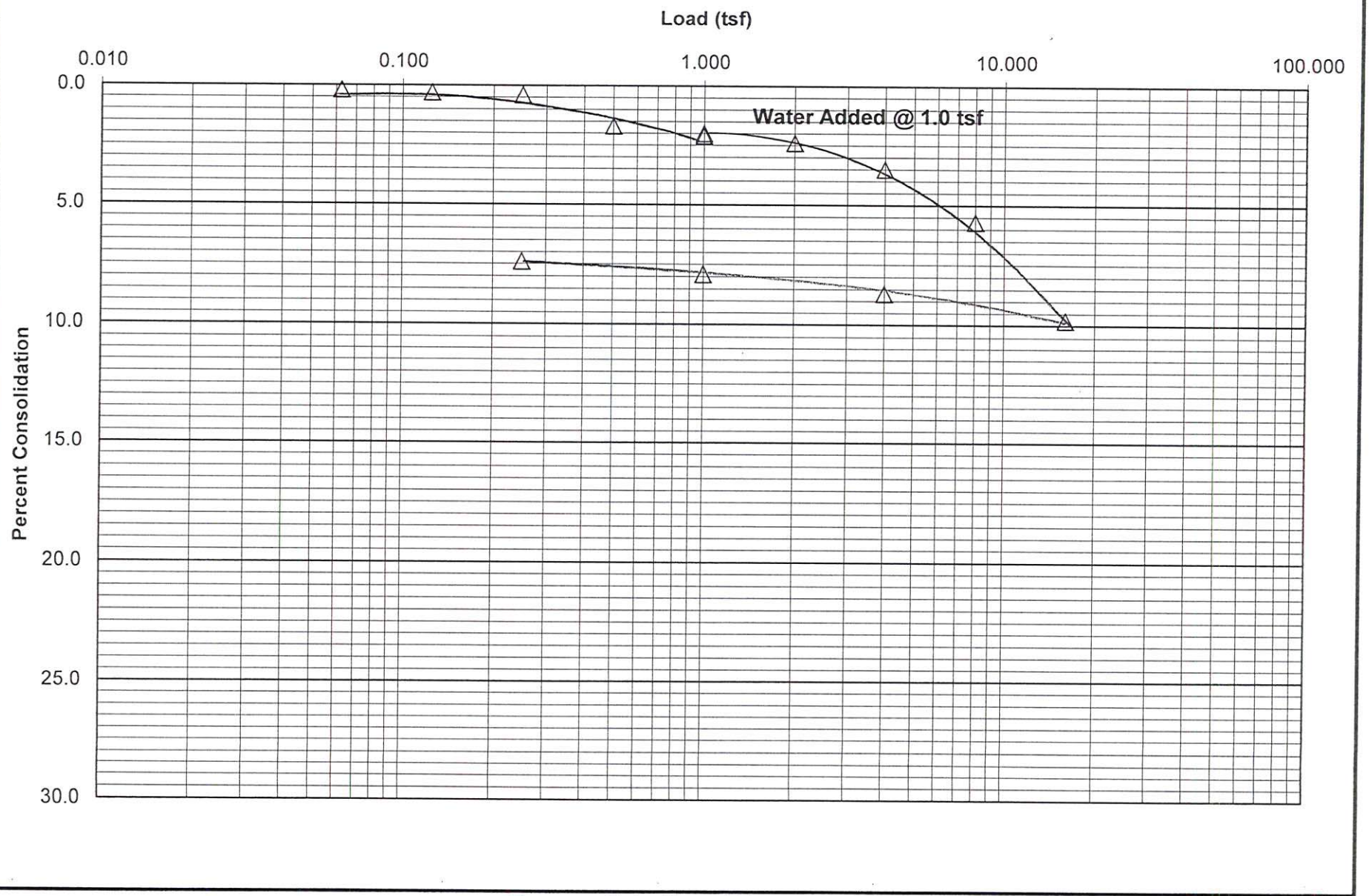
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 15.7 After: 22.8

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-17 @ 10.0
Dark brown slightly sandy silty CLAY.

Consolidation Diagram

C6792A.25.xls

Plate C-22

Sportsman's Lodge
W.O.: 6792A

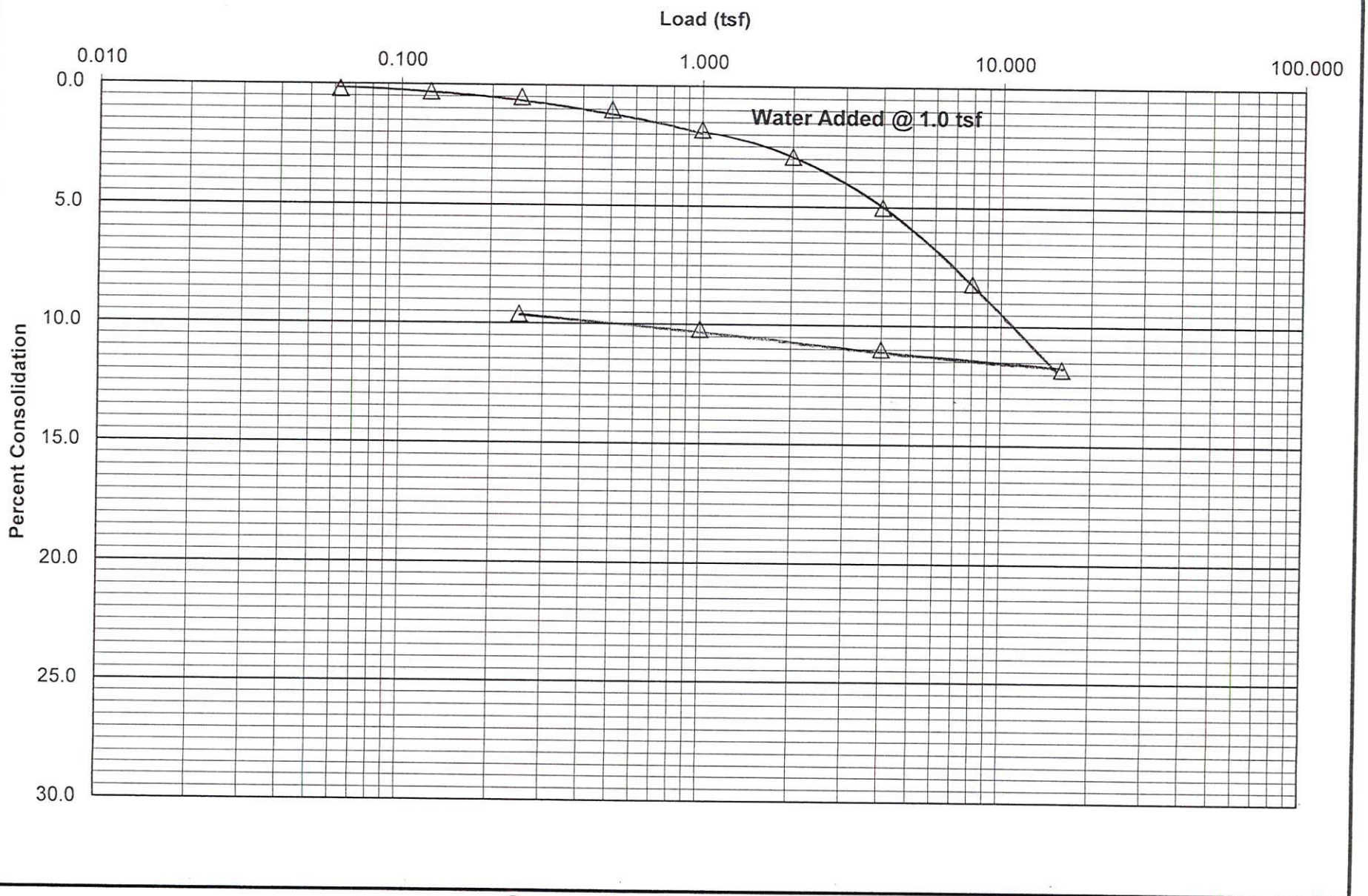
Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture(%)
Before: 22.4 After: 20.9

Sample(in.)
Height: 1.00 Diameter: 2.36



BF-18 @ 15.0
Brown slightly sandy CLAY.

Consolidation Diagram

C6792A.26.xls

Plate C-23

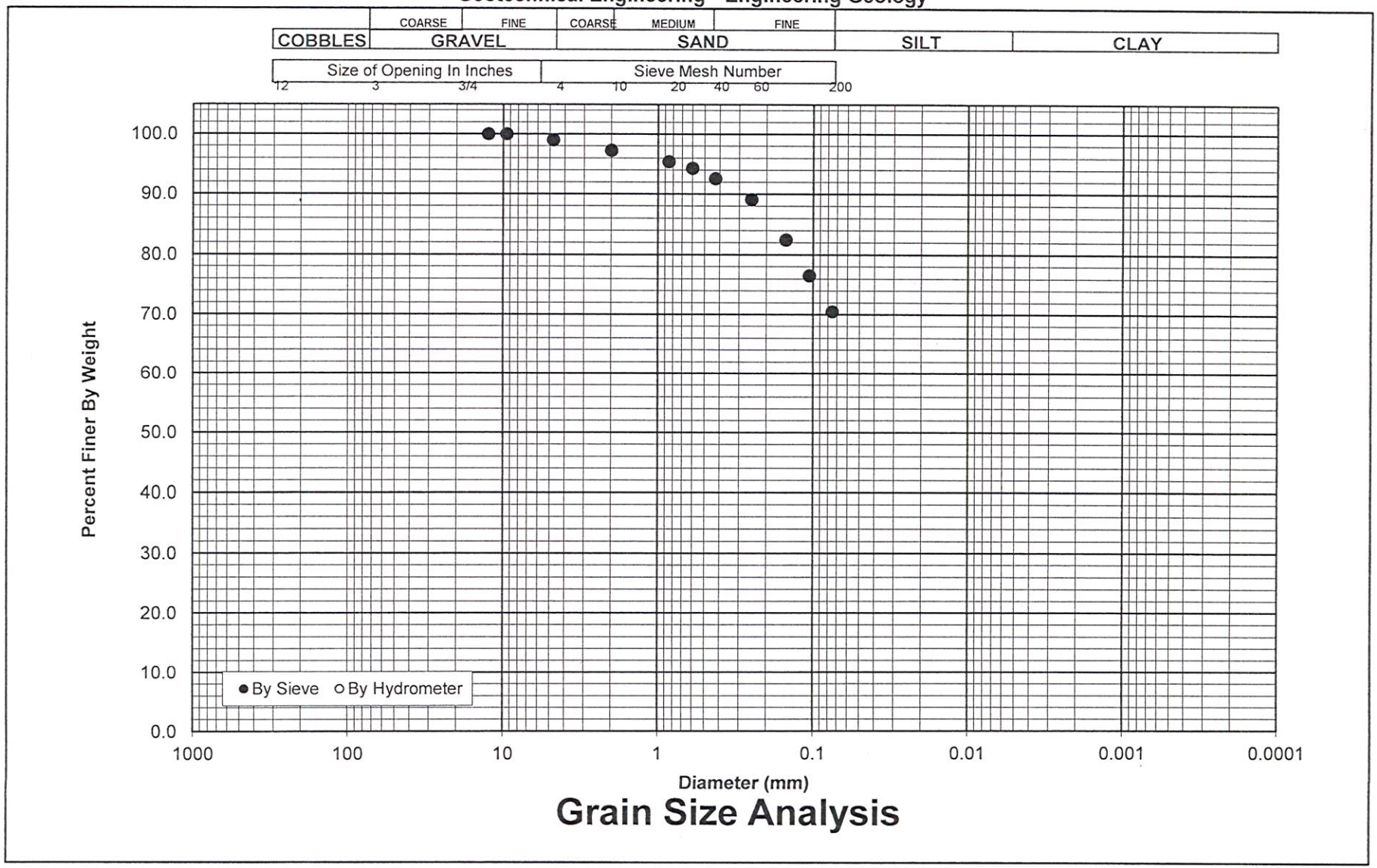
Midwood
W.O. 6792A

Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture (%): 13.2
Liquid Limit (%):
Plastic Limit (%):
Plasticity Index :



Grain Size Analysis

BF-2 @ 7.5-12.5'
Brown slightly clayey sandy SILT.

SH6792A.12.xls

Plate G-1

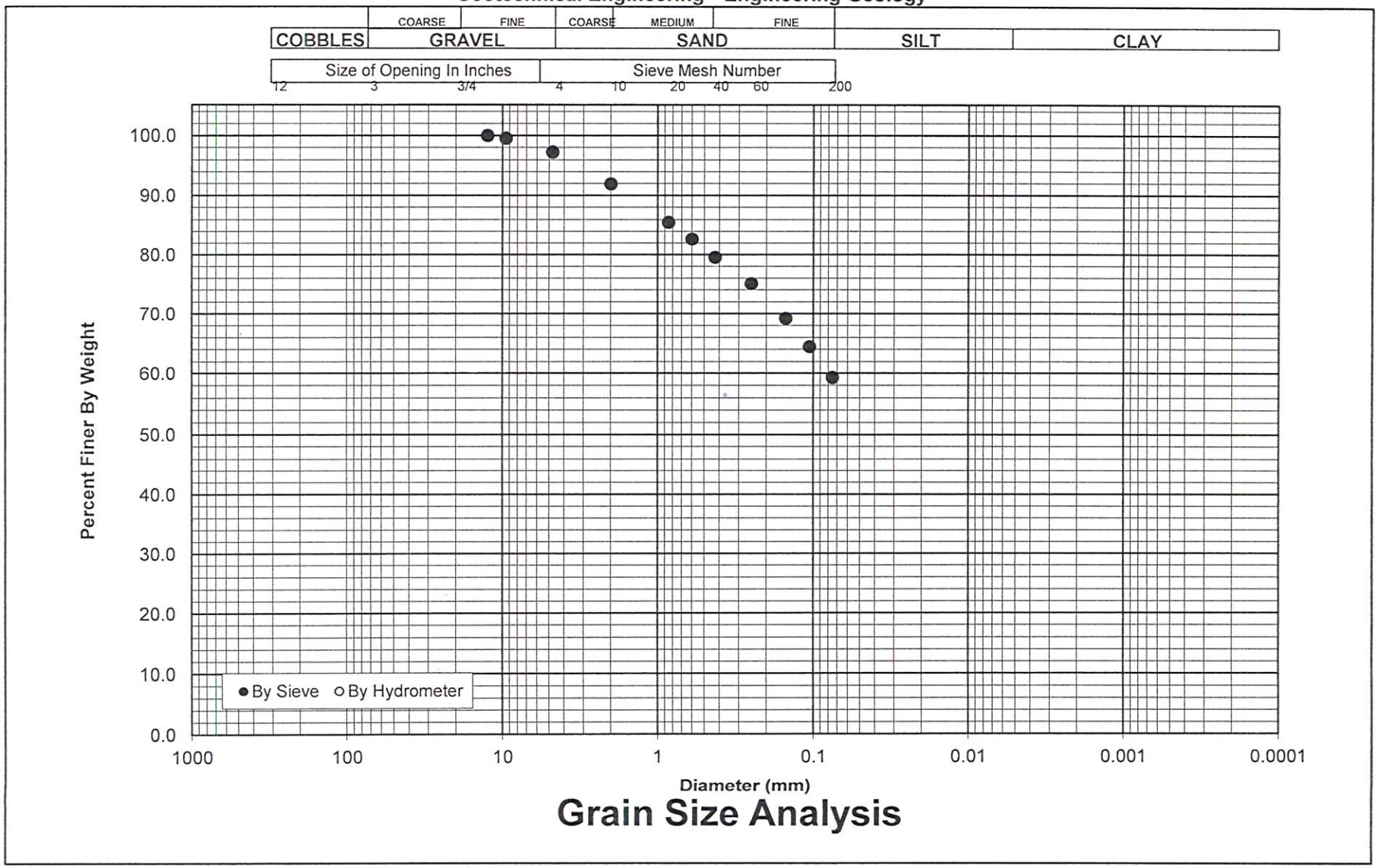
Midwood
W.O. 6792A

Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture (%): 10.3
Liquid Limit (%):
Plastic Limit (%):
Plasticity Index :



Grain Size Analysis

BF-4 @ 0-5.0'
Brown slighlty clayey sandy SILT.

SH6792A.13.xls

Plate G-2

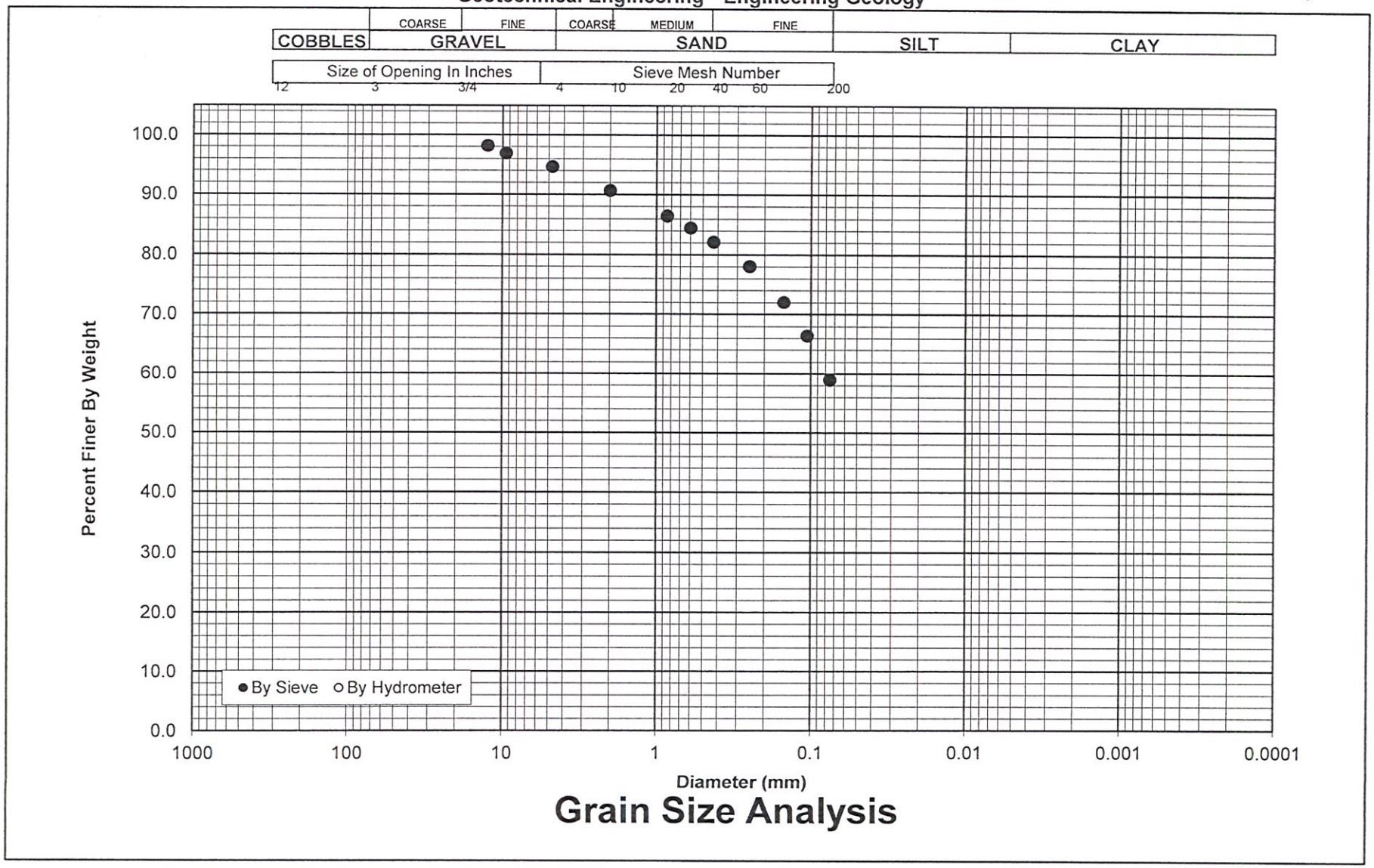
Midwood
W.O. 6792A

Date of Test: 7/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture (%): 7.6
Liquid Limit (%):
Plastic Limit (%):
Plasticity Index :



Grain Size Analysis

BF-7 @ 0-5.0'
Light brown slightly clayey sandy SILT.

SH6792A.14.xls

Plate G-3

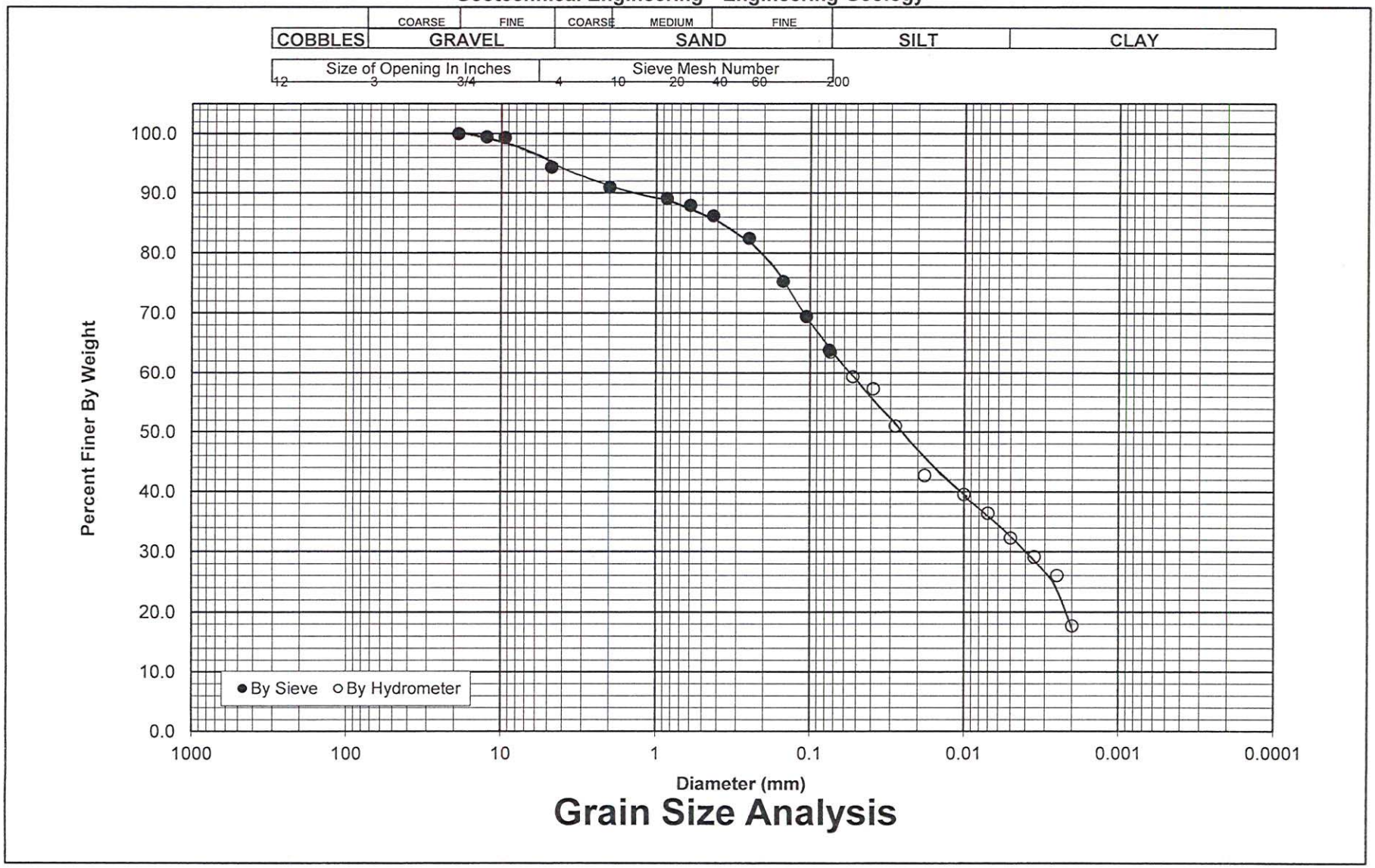
Sportsman's Lodge
W.O. 6792 A

Date of Test: 8/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture (%): 35.7
Liquid Limit (%):
Plastic Limit (%):
Plasticity Index :



Grain Size Analysis

BF-10 @ 0 - 5.0'
Dark-brown, sandy, silty CLAY.

SH6792A.15.xls

Plate G-4

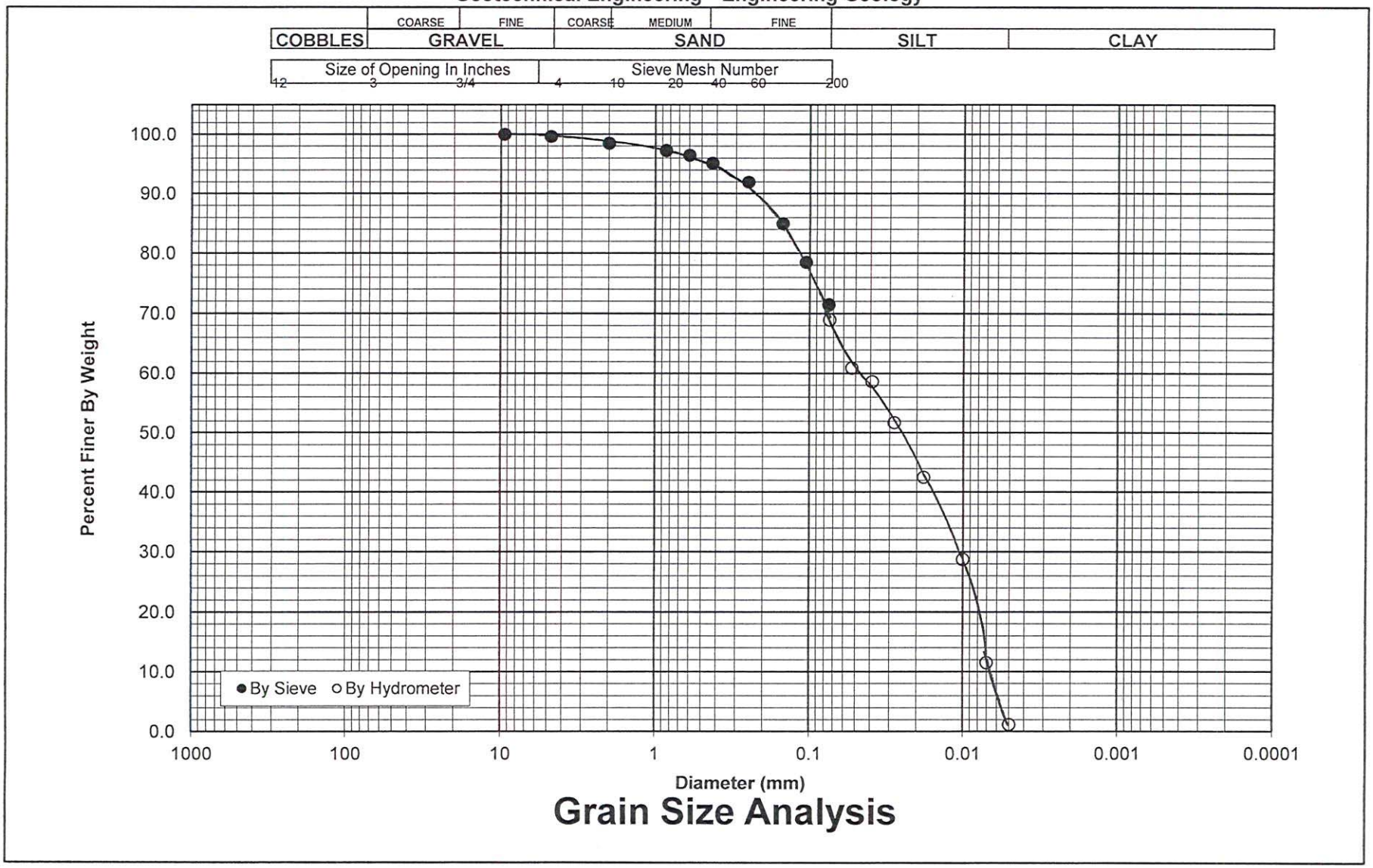
Sportsman's Lodge
W.O. 6792 A

Date of Test: 8/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture (%): 19.3
Liquid Limit (%):
Plastic Limit (%):
Plasticity Index :



Grain Size Analysis

BF-11 @ 5.0 - 10.0'
Dark-brown, sandy SILT.

SH6792A.16.xls

Plate G-5

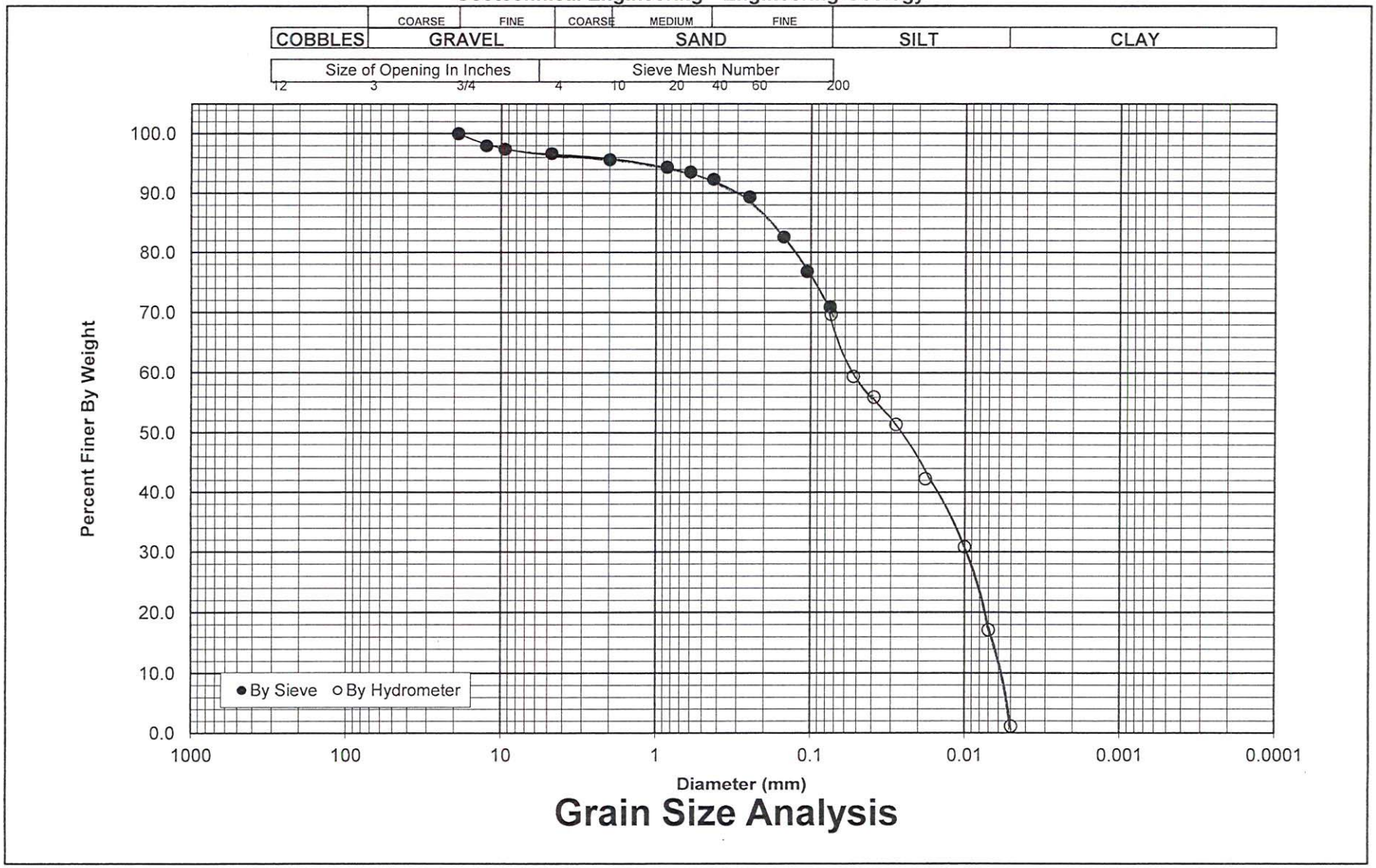
Sportsman's Lodge
W.O. 6792 A

Date of Test: 8/18

GeoSoils Consultants, Inc.

Geotechnical Engineering * Engineering Geology

Moisture (%): 17.3
Liquid Limit (%):
Plastic Limit (%):
Plasticity Index :



Grain Size Analysis

BF-15 @ 1.0 - 5.0'
Dark-brown, sandy SILT.

SH6792A.17.xls

Plate G-6

WORK ORDER: 67424 DATE: 6/18/18

CLIENT: Midwood

GEOSOILS CONSULTANTS INC.

SAMPLES BY: Owner TESTED BY: RA

EXCAVATION BF-1 DEPTH (FEET): 0-5'

CLASSIFICATION: Grey brown sandy clayey silt w/ c.f

MAXIMUM DENSITY

DESIGNATION:

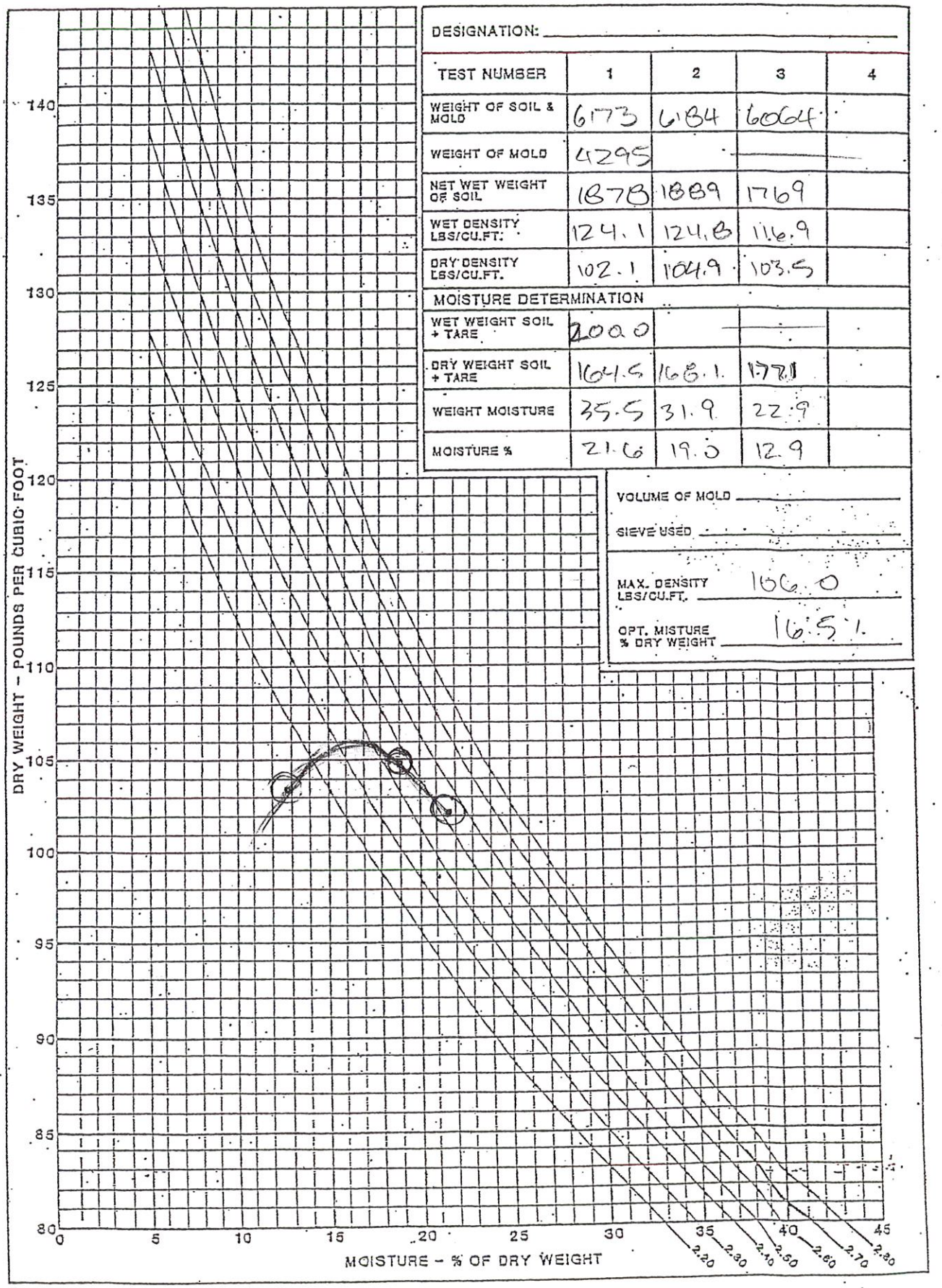
TEST NUMBER	1	2	3	4
WEIGHT OF SOIL & MOLD	6173	6184	6064	
WEIGHT OF MOLD	4295			
NET WET WEIGHT OF SOIL	1878	1889	1769	
WET DENSITY LBS/CU.FT.	124.1	124.8	116.9	
DRY DENSITY LBS/CU.FT.	102.1	104.9	103.5	
MOISTURE DETERMINATION				
WET WEIGHT SOIL + TARE	2000			
DRY WEIGHT SOIL + TARE	164.5	168.1	178.1	
WEIGHT MOISTURE	35.5	31.9	22.9	
MOISTURE %	21.6	19.0	12.9	

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT. 106.0

OPT. MISTURE % DRY WEIGHT 16.5



FORM 87/4

WORK ORDER: 6792A DATE: 6/21/18

CLIENT: Midwood

GEOSOILS CONSULTANTS INC.

SAMPLES BY: Owner TESTED BY: RA

EXCAVATION BF-4 DEPTH (FEET): 0-5'

CLASSIFICATION: Dk brown slightly clayey sandy silt

MAXIMUM DENSITY

DESIGNATION:

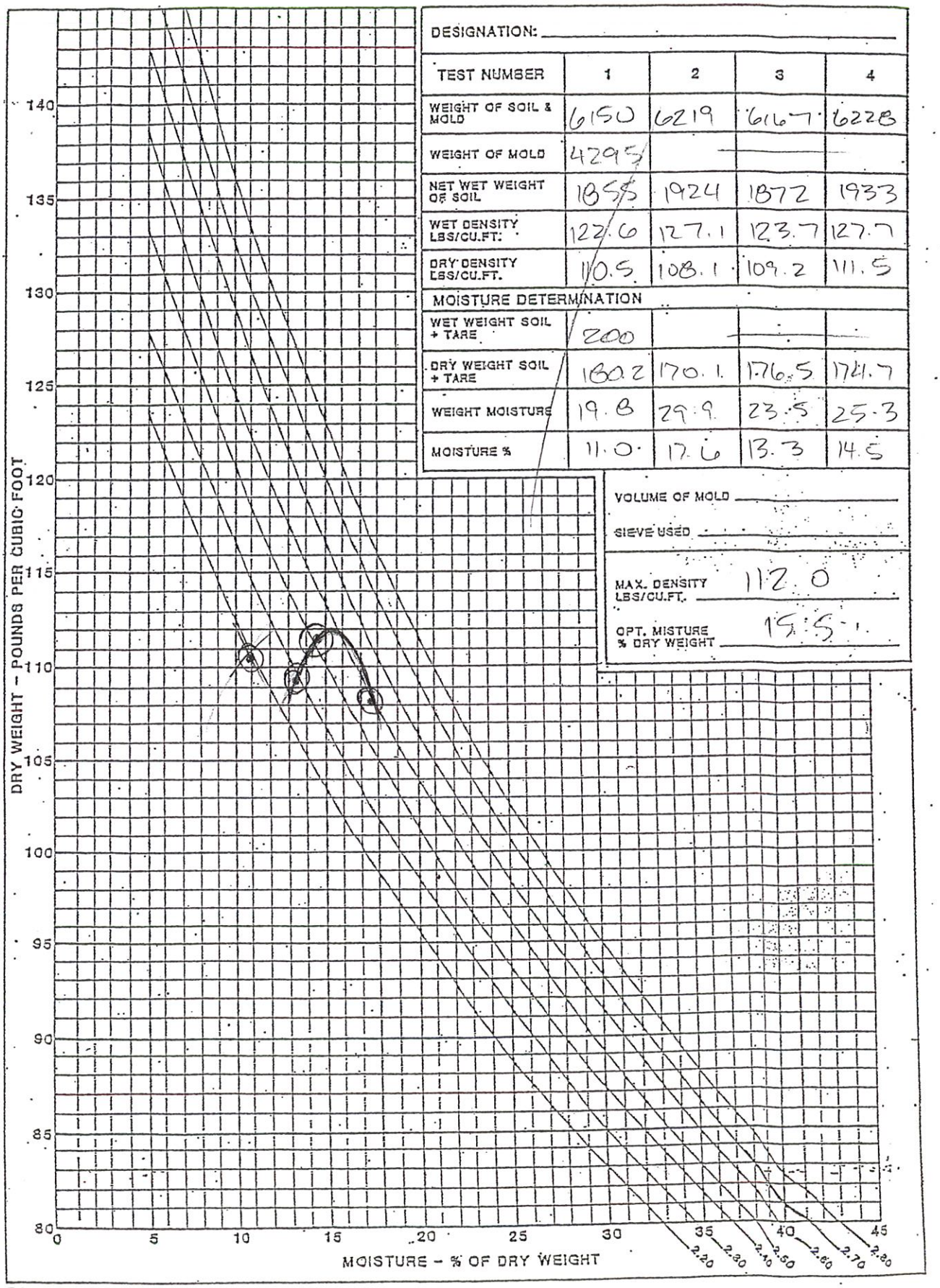
TEST NUMBER	1	2	3	4
WEIGHT OF SOIL & MOLD	6150	6219	6167	6228
WEIGHT OF MOLD	4295			
NET WET WEIGHT OF SOIL	1855	1924	1872	1933
WET DENSITY LBS/CU.FT.	122.6	127.1	123.7	127.7
DRY DENSITY LBS/CU.FT.	110.5	108.1	109.2	111.5
MOISTURE DETERMINATION				
WET WEIGHT SOIL + TARE	200			
DRY WEIGHT SOIL + TARE	180.2	170.1	176.5	174.7
WEIGHT MOISTURE	19.8	29.9	23.5	25.3
MOISTURE %	11.0	17.6	13.3	14.5

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT. 112.0

OPT. MISTURE % DRY WEIGHT 15.5



FORM 87/4

GEOSOILS CONSULTANTS INC.

WORK ORDER: 67921 DATE: 7/3/18

CLIENT: Midwood

SAMPLES BY: Owner TESTED BY: RA

EXCAVATION BF-6 DEPTH (FEET): 5-10'

CLASSIFICATION: Dk brown slightly sandy silty clay

MAXIMUM DENSITY

DESIGNATION:

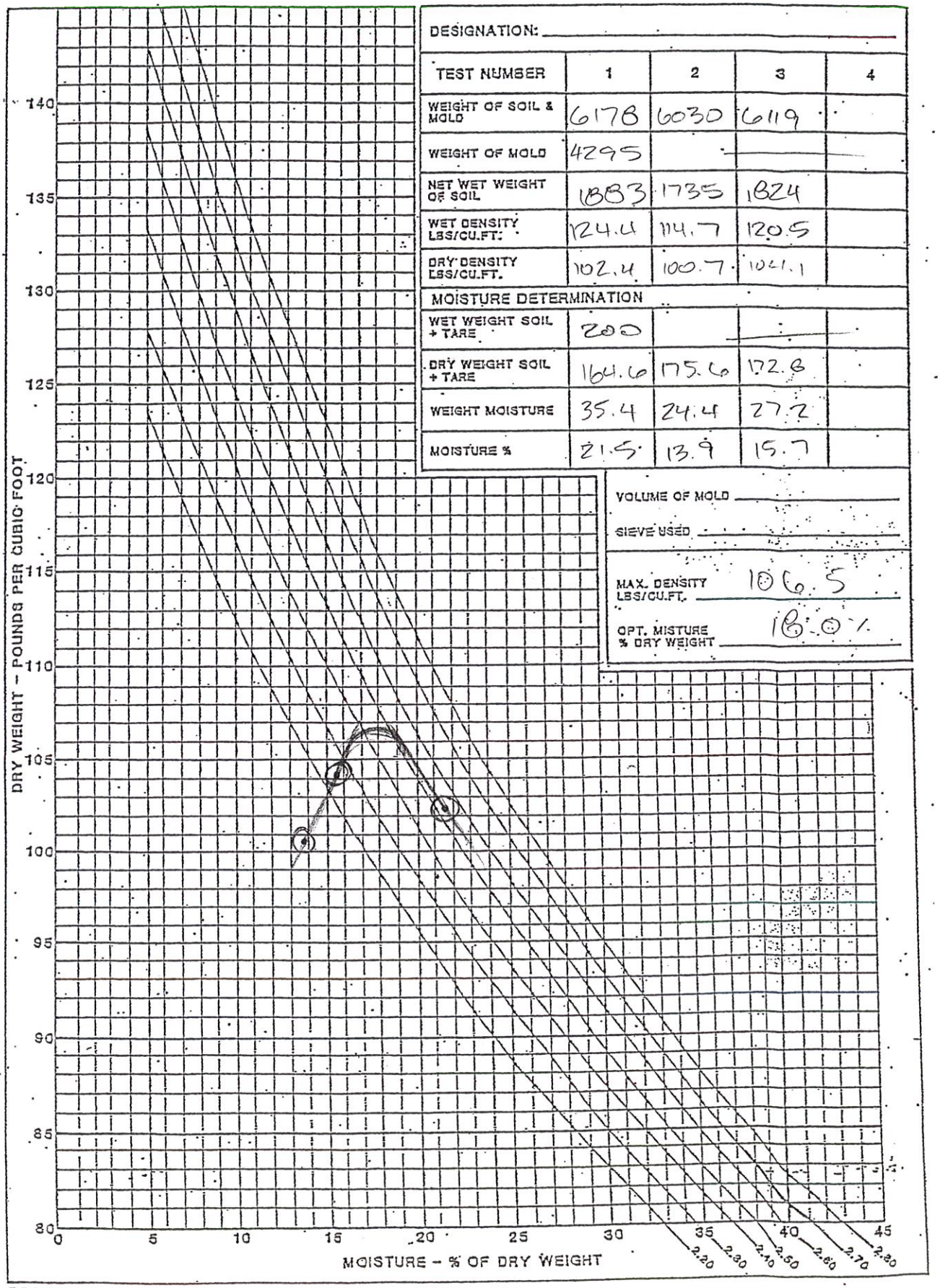
TEST NUMBER	1	2	3	4
WEIGHT OF SOIL & MOLD	6178	6030	6119	
WEIGHT OF MOLD	4295			
NET WET WEIGHT OF SOIL	1883	1735	1824	
WET DENSITY LBS/CU.FT:	124.4	114.7	120.5	
DRY DENSITY LBS/CU.FT.	102.4	100.7	104.1	
MOISTURE DETERMINATION				
WET WEIGHT SOIL + TARE	200			
DRY WEIGHT SOIL + TARE	164.6	175.6	172.8	
WEIGHT MOISTURE	35.4	24.4	27.2	
MOISTURE %	21.5	13.9	15.7	

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT. 106.5

OPT. MISTURE % DRY WEIGHT 18.0%



GEOSOILS CONSULTANTS INC.

WORK ORDER: 6792-A DATE: 7/5/18

CLIENT: Midwood

SAMPLES BY: Owner TESTED BY: RA

EXCAVATION BF-7 DEPTH (FEET): 0-5'

CLASSIFICATION: Brown slightly sandy slightly clayey silt

MAXIMUM DENSITY

DESIGNATION:

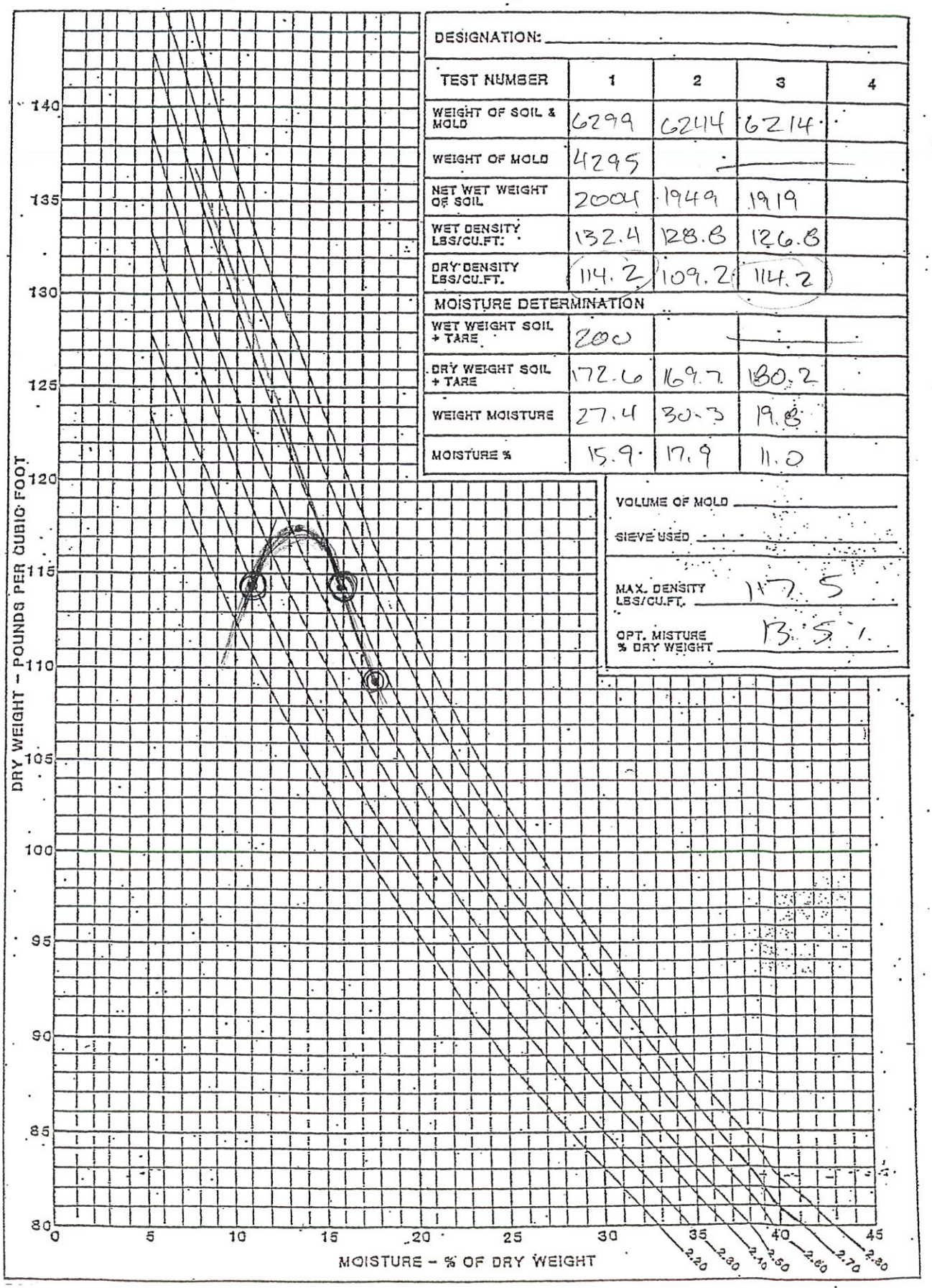
TEST NUMBER	1	2	3	4
WEIGHT OF SOIL & MOLD	6299	6244	6214	
WEIGHT OF MOLD	4295			
NET WET WEIGHT OF SOIL	2004	1949	1919	
WET DENSITY LBS/CU.FT.	132.4	128.8	126.8	
DRY DENSITY LBS/CU.FT.	114.2	109.2	114.2	
MOISTURE DETERMINATION				
WET WEIGHT SOIL + TARE	200			
DRY WEIGHT SOIL + TARE	172.6	169.7	180.2	
WEIGHT MOISTURE	27.4	30.3	19.8	
MOISTURE %	15.9	17.9	11.0	

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT. 117.5

OPT. MISTURE % DRY WEIGHT 13.5 %



WORK ORDER: 61764 DATE: 6/17/10

CLIENT: Sportsmens Lodge

SAMPLES BY: Owner TESTED BY: RA

EXCAVATION BF-9 DEPTH (FEET): 0-5'

CLASSIFICATION: Pale brown slight sandy silty clay

GEOSOILS CONSULTANTS INC.

MAXIMUM DENSITY

DESIGNATION:

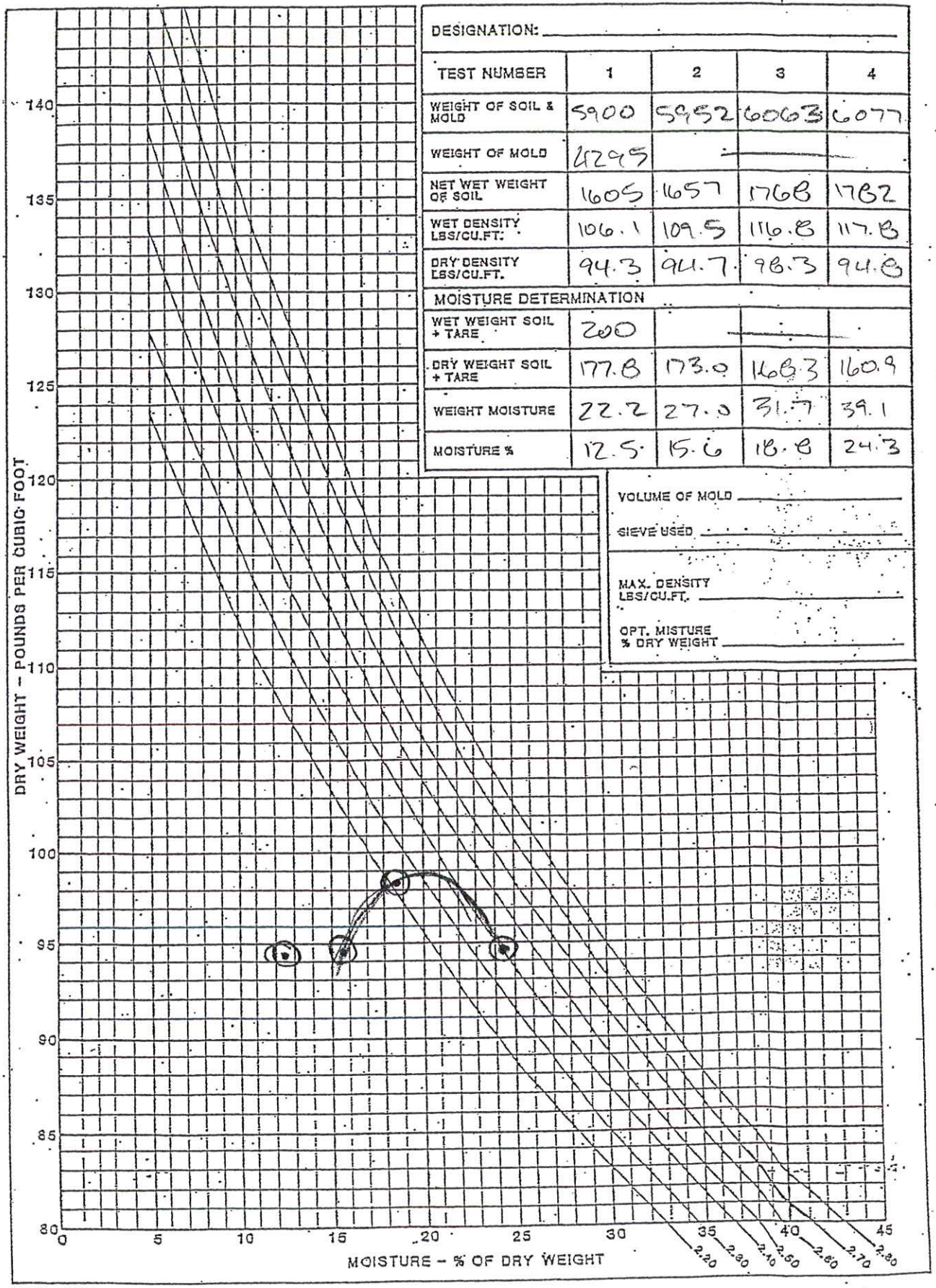
TEST NUMBER	1	2	3	4
WEIGHT OF SOIL & MOLD	5900	5952	6063	6077
WEIGHT OF MOLD	4295			
NET WET WEIGHT OF SOIL	1605	1657	1768	1782
WET DENSITY LBS/CU.FT.	106.1	109.5	116.8	117.8
DRY DENSITY LBS/CU.FT.	94.3	94.7	98.3	94.8
MOISTURE DETERMINATION				
WET WEIGHT SOIL + TARE	200			
DRY WEIGHT SOIL + TARE	177.8	173.0	166.3	160.9
WEIGHT MOISTURE	22.2	27.0	31.7	39.1
MOISTURE %	12.5	15.6	18.8	24.3

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT.

OPT. MISTURE % DRY WEIGHT



FORM 87/4

GEOSOILS CONSULTANTS INC.

WORK ORDER: 6792A DATE: 8/16/16

CLIENT: Sportsmans Lodge

SAMPLES BY: Ouch TESTED BY: ESC

EXCAVATION BF-11 DEPTH (FEET): 10-15'

CLASSIFICATION: DK. BRN. SANDY CLAY

MAXIMUM DENSITY

DESIGNATION:

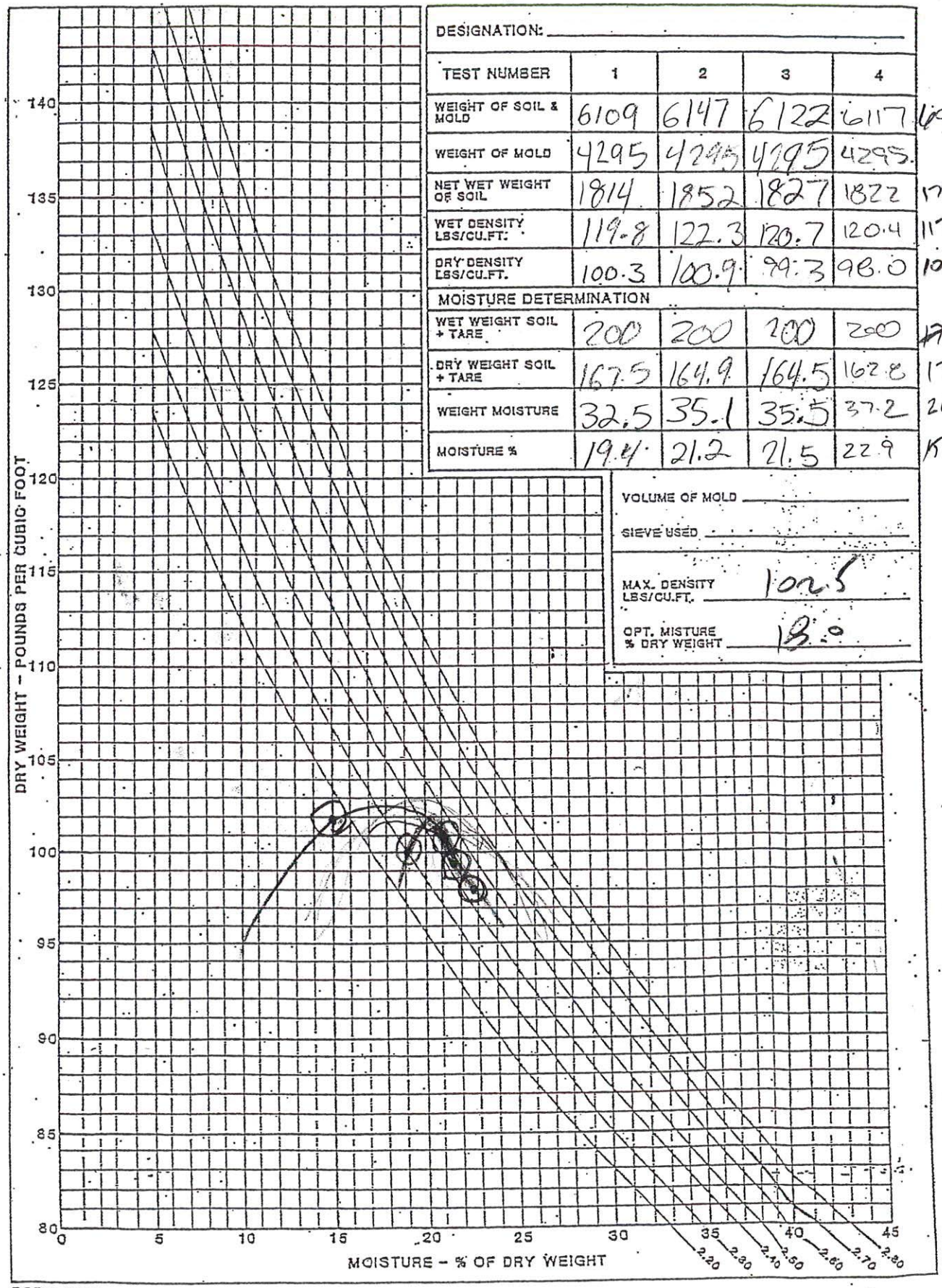
TEST NUMBER	1	2	3	4	
WEIGHT OF SOIL & MOLD	6109	6147	6122	6117	6088
WEIGHT OF MOLD	4295	4295	4295	4295	
NET WET WEIGHT OF SOIL	1814	1852	1827	1822	1793
WET DENSITY LBS/CU.FT.	119.8	122.3	120.7	120.4	117.2
DRY DENSITY LBS/CU.FT.	100.3	100.9	99.3	98.0	101.6
MOISTURE DETERMINATION					
WET WEIGHT SOIL + TARE	200	200	200	200	~~175.9~~
DRY WEIGHT SOIL + TARE	167.5	164.9	164.5	162.8	173.5
WEIGHT MOISTURE	32.5	35.1	35.5	37.2	26.1
MOISTURE %	19.4	21.2	21.5	22.9	15.0

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT. 102.5

OPT. MISTURE % DRY WEIGHT 18.0



FORM 87/4

WORK ORDER: 67921 DATE: 8/6/18

CLIENT: Sportsmans Lodge

SAMPLES BY: Owner TESTED BY: ESC

EXCAVATION BF-15 DEPTH (FEET): 15-20'

CLASSIFICATION: DK. BRN. SANDY CLAY

GEOSOILS CONSULTANTS INC.

MAXIMUM DENSITY

DESIGNATION:

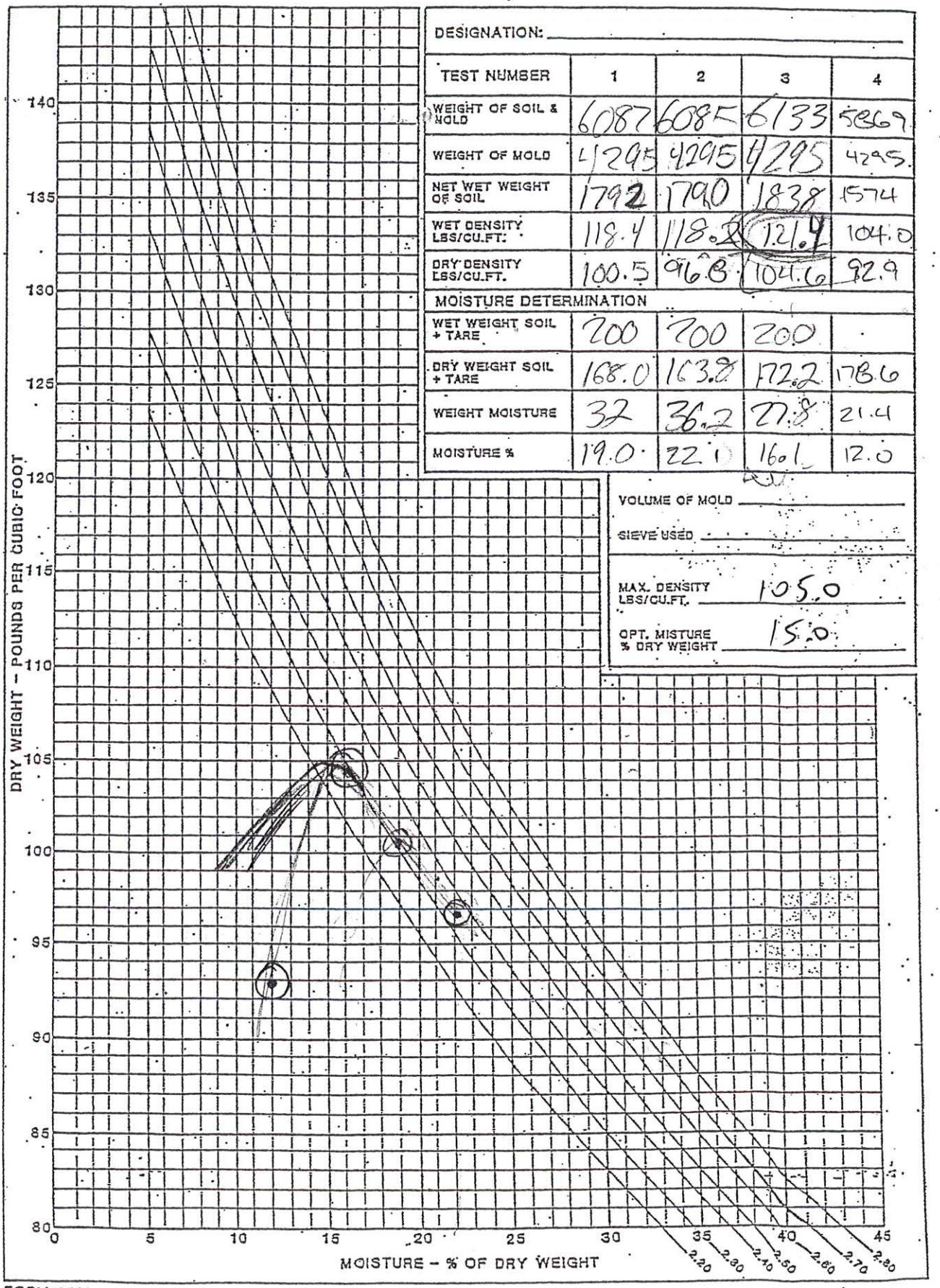
TEST NUMBER	1	2	3	4
WEIGHT OF SOIL & MOLD	6087	6085	6133	5869
WEIGHT OF MOLD	4295	4295	4295	4295
NET WET WEIGHT OF SOIL	1792	1790	1838	1574
WET DENSITY LBS/CU.FT.	118.4	118.2	121.4	104.0
DRY DENSITY LBS/CU.FT.	100.5	96.8	104.6	92.9
MOISTURE DETERMINATION				
WET WEIGHT SOIL + TARE	200	200	200	
DRY WEIGHT SOIL + TARE	168.0	163.2	172.2	178.6
WEIGHT MOISTURE	32	36.2	27.8	21.4
MOISTURE %	19.0	22.1	16.1	12.0

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT. 105.0

OPT. MISTURE % DRY WEIGHT 15.0



FORM 87/4

GEOSOILS CONSULTANTS INC.

WORK ORDER: 61424 DATE: 6/4/18

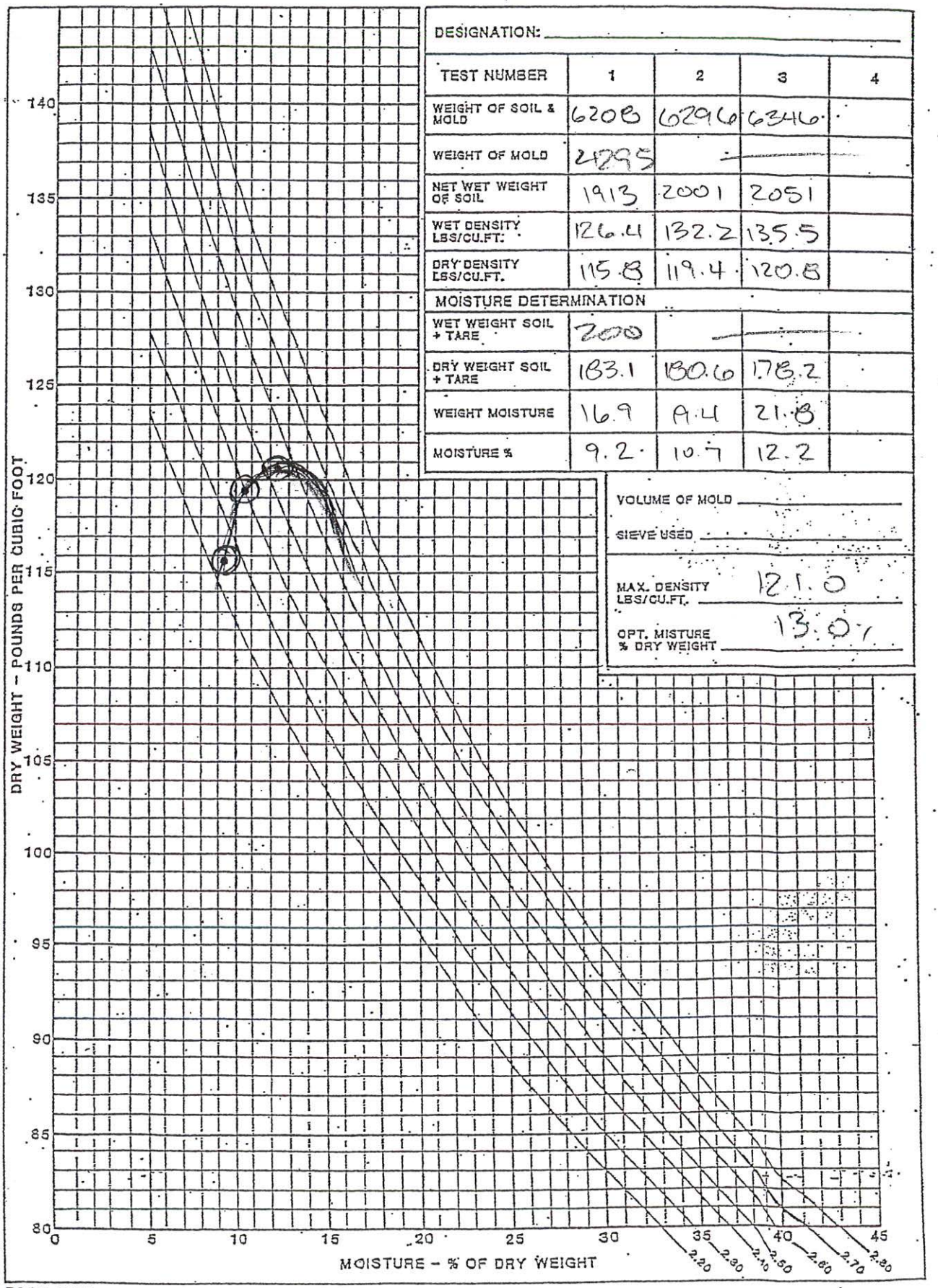
CLIENT: Spartanburg Lodge

SAMPLES BY: Omar TESTED BY: RA

EXCAVATION BE-17 DEPTH (FEET): 0-5'

CLASSIFICATION: Dk brown slightly sandy silt

MAXIMUM DENSITY



DESIGNATION:

TEST NUMBER	1	2	3	4
WEIGHT OF SOIL & MOLD	6208	6296	6346	
WEIGHT OF MOLD	4295			
NET WET WEIGHT OF SOIL	1913	2001	2051	
WET DENSITY LBS/CU.FT.	126.4	132.2	135.5	
DRY DENSITY LBS/CU.FT.	115.8	119.4	120.8	
MOISTURE DETERMINATION				
WET WEIGHT SOIL + TARE	200			
DRY WEIGHT SOIL + TARE	183.1	180.6	178.2	
WEIGHT MOISTURE	16.9	20.4	21.8	
MOISTURE %	9.2	10.7	12.2	

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT. 121.0

OPT. MISTURE % DRY WEIGHT 13.0%

FORM 8774

GEOSOILS CONSULTANTS INC.

WORK ORDER: 6794A DATE: 8/15/18

CLIENT: Sportsmans Lodge

SAMPLES BY: Owner TESTED BY: RA

EXCAVATION BE-19 DEPTH (FEET): 0-5'

CLASSIFICATION: Dk brown slightly clayey sandy silt

MAXIMUM DENSITY

DESIGNATION:

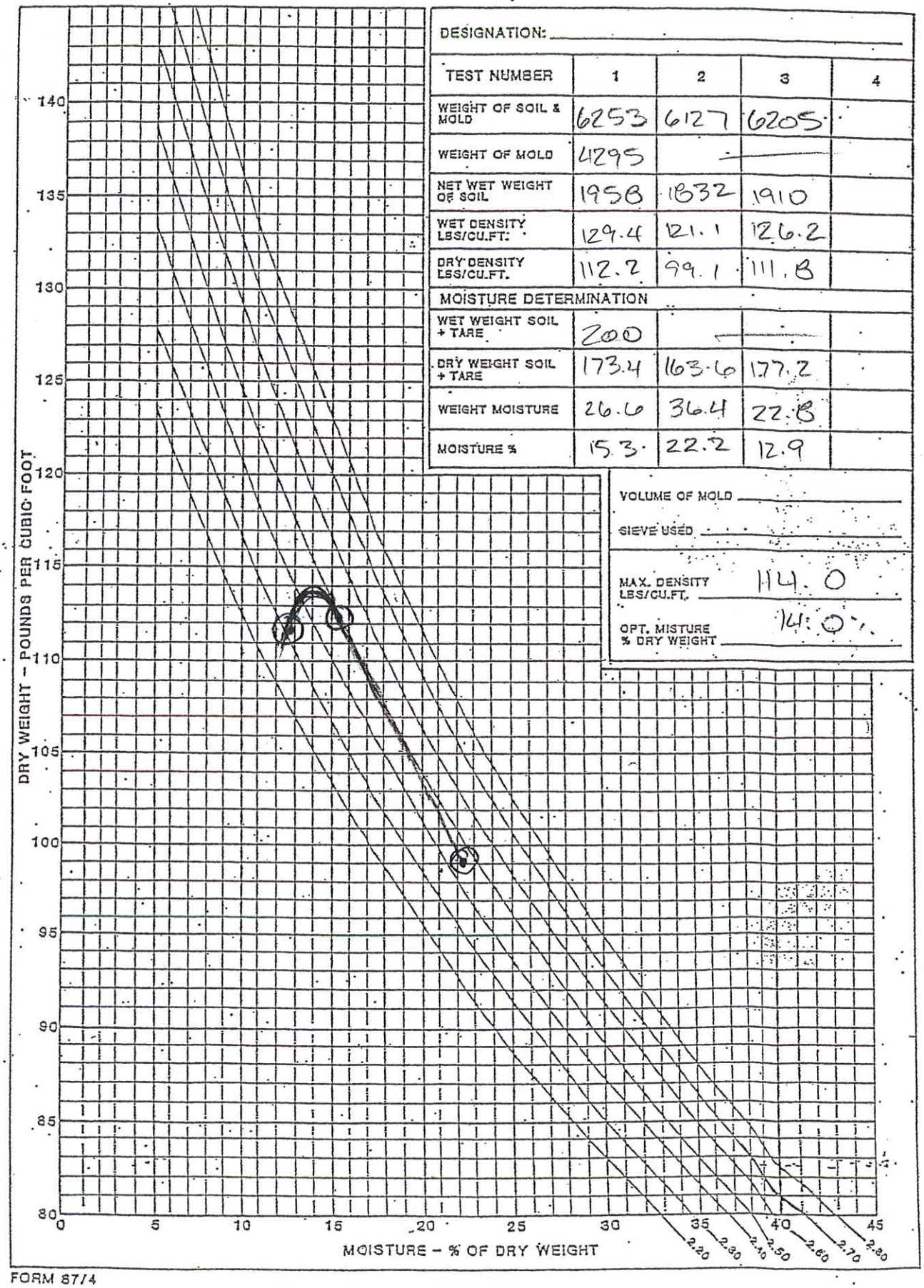
TEST NUMBER	1	2	3	4
WEIGHT OF SOIL & MOLD	6253	6127	6205	
WEIGHT OF MOLD	4295			
NET WET WEIGHT OF SOIL	1958	1832	1910	
WET DENSITY LBS/CU.FT.	129.4	121.1	126.2	
DRY DENSITY LBS/CU.FT.	112.2	99.1	111.8	
MOISTURE DETERMINATION				
WET WEIGHT SOIL + TARE	200			
DRY WEIGHT SOIL + TARE	173.4	163.6	177.2	
WEIGHT MOISTURE	26.6	36.4	22.8	
MOISTURE %	15.3	22.2	12.9	

VOLUME OF MOLD

SIEVE USED

MAX. DENSITY LBS/CU.FT. 114.0

OPT. MISTURE % DRY WEIGHT 14.0%



FORM 8714

September 17, 2018
W.O. 6792A

APPENDIX B

LIQUEFACTION ANALYSIS

APPENDIX B

LIQUEFACTION ANALYSIS

Introduction

Liquefaction describes a phenomenon where cyclic stresses, which are produced by earthquake-induced ground motions, create excess pore pressures in predominately cohesionless soils. As a result, the soils may acquire a high degree of mobility, which can lead to lateral spreading, consolidation, and settlement of loose sediments, ground oscillation, flow failure, loss of bearing strength, ground fissuring, sand boils, and other damaging deformations. This phenomenon occurs only below the water table, but after liquefaction has developed, it can propagate upward into overlying, non-saturated soil.

Research has shown that saturated, loose sands with silt content less than about 25 percent are most susceptible to liquefaction, whereas other soil types are generally considered to have a low susceptibility.

Seismically-included settlement in unsaturated (dry) and saturated soils generally occur due to the dissipation of pore pressure in a liquefiable soil layer. The controlling factors affecting settlement in saturated sands consist of the pore pressure drainage path, magnitude and duration of the seismic event, cyclic stresses, maximum shear strains, and the recorded normalized SPT blow-counts, $(N_1)_{60}$, of the soils.

The potential for seismically-induced settlement is greatest in loose granular soils (i.e., sands and silty sands), whereas cohesive soils (i.e., clays and silts) are generally not prone to settlement. It should be noted that granular soils are susceptible to settlement during a seismic event whether the soils liquefy or not.

Appendix B

Procedure

The method of liquefaction assessment in this report is based on the "simplified procedure" originally developed by Seed and Idriss (1971, 1982), with subsequent refinements by Seed et al. (1983), Seed and De Alba (1986), and Seed and Harder (1990). As discussed in *CGS Special Publication 117A: Guidelines for Analyzing and Mitigating Liquefaction Hazards in California*, the procedure compares the cyclic resistance ratio (CRR) with the earthquake-induced cyclic stress ratio (CSR) at that depth from a specified design earthquake. The CRR is the ratio required to induce liquefaction for a cohesionless soil stratum at a given depth and is essentially the capacity of the soil to resist liquefaction. The CSR is defined generally as the seismic demand placed on a soil layer or the peak ground surface acceleration and an associated earthquake moment magnitude.

Values of CRR were established that were empirically correlated using extensive databases for sites that did or did not liquefy during previous earthquakes, values of $(N_1)_{60}$ could be correlated with the liquefied soil zones. The 1997 version of the baseline chart defines values of CRR as a function of $(N_1)_{60}$ for a moment magnitude 7.5 earthquake, CSR, and the percent fines. The factor of safety against liquefaction is obtained by calculating the ratio of CRR and CSR. The potential for seismically-induced settlement occurs when the factor of safety is less than 1.0.

The methodology used in estimating probable seismically-induced settlement in unsaturated and saturated soil deposits from SPT data is based on the procedures suggested by *CGS Special Publication 117A* and Tokimatsu and Seed (1987) with a magnitude scaling factor. The settlement analysis considers very thin layers for the soil deposit and calculates the settlement for each layer. The total settlement is the sum of these settlements in both dry (soil above the groundwater table) and saturated soils at their respective depths.

Appendix B

The CRR curves are based on clean sands, necessitating fines content correction to accurately assess liquefaction potential. Fines content correction for SPT data is generated using formulas developed by Idriss and Seed (1997). For specific depths where gradation tests were performed, the value of percent fines (passing the #200 sieve) obtained from laboratory testing was used in the analysis. In some instances, the value of percent fines is applied to an adjusted depth, just below or above the sample testing depth, if the materials encountered deem it necessary.

TABLE B-1
FINES CONTENT

Sample	Depth (ft.)	Passing 200%
B-1-14	30	82.5
	50	10.4
B-5-14	35	63.3
	50	8.5
	60	60.9
B-1-18	7.5	74.5
	17.5	49.2
	27.5	75.0
	37.5	89.2
B-3-18	10	68.6
	30	73.7
	50	5.8

Analysis

The assessment of liquefaction potential provided in this report maintains current code requirements and generally accepted practice. The analyses have been formed using a 2-percent and 10-percent probability of exceedance in 50 years for earthquake magnitude, obtained from the USGS Unified Hazard Tool. The peak ground acceleration was obtained from the USGS Seismic Design Maps and corresponds to the PGA_M without any reductions when using 2-percent probability and two-thirds of the PGA_M when using a 10-percent probability. The energy efficiency of the automatic hammer on the drill rig had an average of 85.5 percent based on calibration testing provided by the driller. Table B-2 shows a summary of the parameters used in this analysis.

Appendix B

TABLE B-2 ANALYSIS PARAMETERS	
Description	**Value**
Earthquake Magnitude (2% Probability)	6.77
Earthquake Magnitude (10% Probability)	6.73
Peak Ground Acceleration, PGA_M	0.776 g
Design Groundwater Table	0 feet
Energy Ratio, C_E	1.42
Borehole Diameter, C_B	1.15
Sampling Method, C_S	1.2

Site exploration for the assessment of liquefaction potential consisted of analyzing Borings B-1-14, B-5-14, B-1-18 and B-3-18. At the time of exploration, groundwater levels were relatively consistent across the site and were encountered at depths of approximately 15 to 24 feet below existing grades.

The screening criterion developed by Bray and Sancio (2006) was used to identity soils deemed not susceptible to liquefaction. Table B-3 summarizes the results of Atterberg Limits on samples tested and their applicable soil layer in regards to the screening criteria.

TABLE B-3
SCREENING CRITERIA

Boring	Depth (ft.)	Liquid Limit	Plastic Limit	Plasticity Index	0.8*LL	Moisture (%)	Soil Layer (feet)	Liquefaction Susceptibility
B-1-14	30	43.9	17.5	26.4	35.1	30.4	20-45	Not Susceptible
B-5-14	40	41.9	17.8	24.1	33.5	31.4	20–40	Not Susceptible
B-1-18	17.5	44.2	26.0	18.2	35.4	28.5	7.5–32.5	Not Susceptible
	27.5	38.5	19.9	18.6	30.8	26.9		Not Susceptible
B-3-18	20	42.0	42.0	22.3	33.6	31.8	20–40	Not Susceptible

Appendix B

Results

Based on the results of this investigation, evaluated from blow count data and laboratory testing of the borings, the potential for liquefaction is possible. If liquefaction should develop in liquefiable soil layers, the migration of excess pore pressure within these layers (i.e. the movement of water) and potential settlement would be limited due to the confinement of these layers by denser, less permeable materials. Therefore, the potential for liquefaction on the subject site poses a low risk to site development, assuming the conclusions and recommendations provided are incorporated into the final design and construction of the project.

The liquefaction settlement analysis was performed to depths ranging from 55 to 75 feet below the existing ground surface; the results are shown in Table B-4. Differential settlement was taken as ½ of the maximum total settlement. The analysis was performed using the LiquefyPro software and detailed output is provided at the end of this appendix.

TABLE B-4
SEISMIC SETTLEMENT

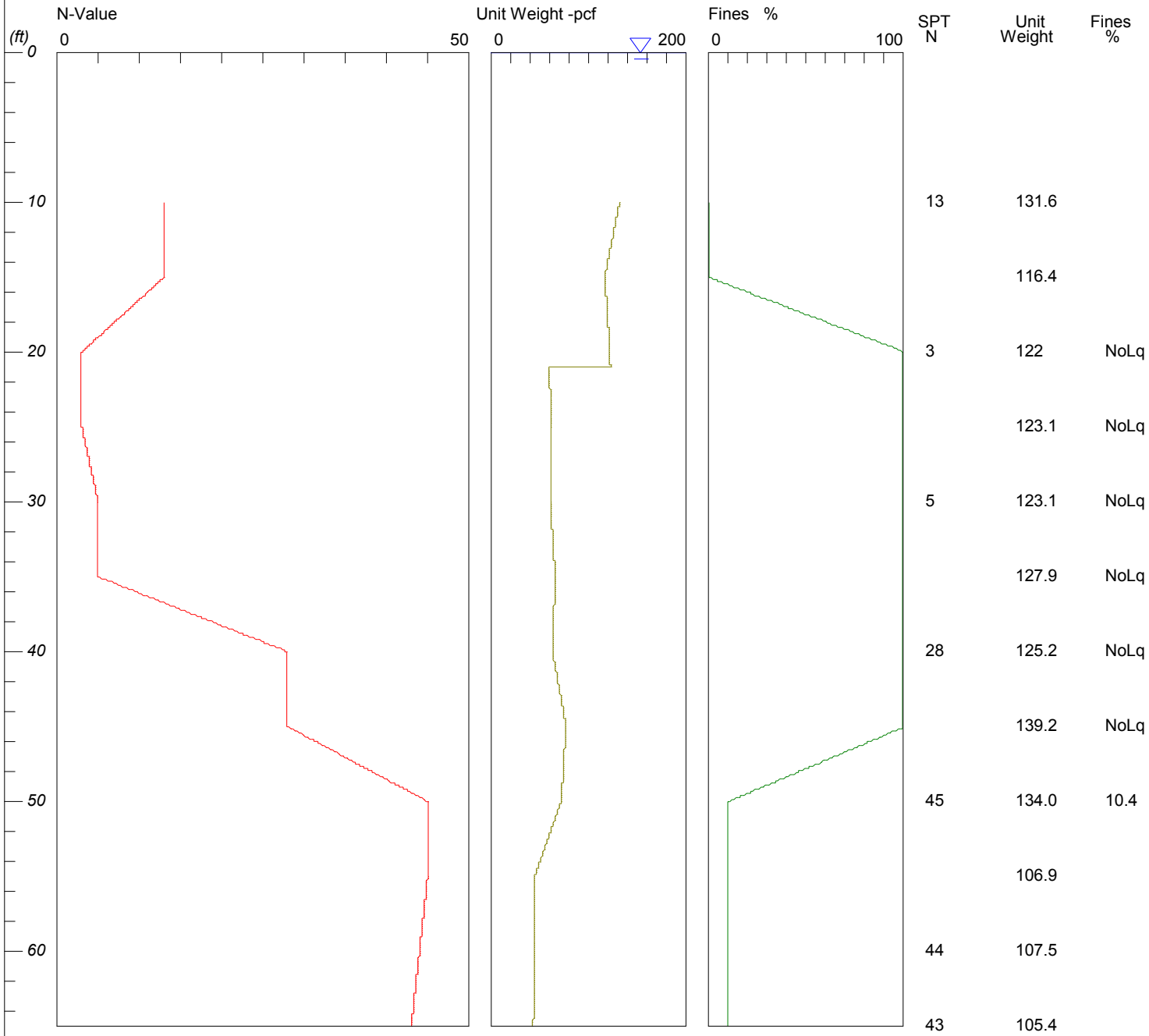
Boring	Reduced PGA_M at 10% Probability (FS 1.1)				Full PGA_M at 2% Probability (FS 1.0)			
	Static Settlement (in)	Seismic Settlement (in)	Total Combined Settlement (in)	Differential Settlement (in)	Static Settlement (in)	Seismic Settlement (in)	Total Combined Settlement (in)	Differential Settlement (in)
B-1-14	1.0	1.61	2.61	1.31	1.0	1.61	2.61	1.31
B-5-14		1.56	2.56	1.28		1.59	2.59	1.30
B-1-18		1.45	2.45	1.23		1.45	2.45	1.23
B-3-18		1.93	2.93	1.47		1.94	2.94	1.47

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-1-14 ***Water Depth=0 ft***

Magnitude=6.73
Acceleration=0.517g



SPT N	Unit Weight	Fines %
13	131.6	
	116.4	
3	122	NoLq
	123.1	NoLq
5	123.1	NoLq
	127.9	NoLq
28	125.2	NoLq
	139.2	NoLq
45	134.0	10.4
	106.9	
44	107.5	
43	105.4	

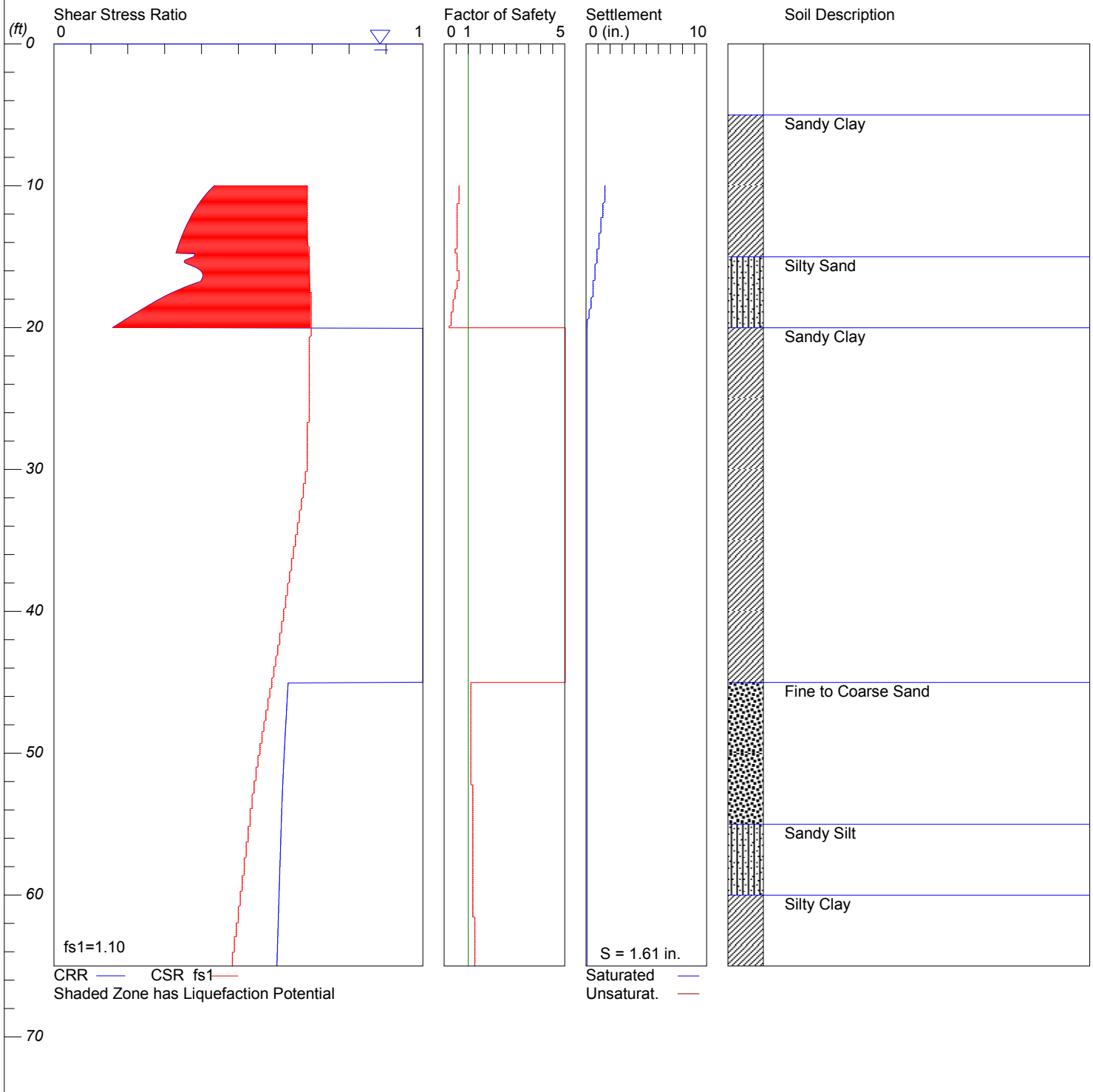
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-1-14 Water Depth=0 ft

Magnitude=6.73
Acceleration=0.517g



LiquefyPro CivilTech Software USA www.civiltech.com

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LIQUEFACTION ANALYSIS CALCULATION DETAILS
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Input File Name: C:\Users\jgurunathan\OneDrive\Work\Projects\6792A -- Sportsmens August 2018\Liquefaction\B-1-14 Reduced.liq
Title: Sportsmen's Lodge
Subtitle: Boring B-1-14 Analysis (2/3 PGAm)

Input Data:
Surface Elev.=
Hole No.=B-1-14
Depth of Hole=65.00 ft
Water Table during Earthquake= 0.00 ft
Water Table during In-Situ Testing= 21.00 ft
Max. Acceleration=0.52 g
Earthquake Magnitude=6.73
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Idriss/Seed
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.42
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.1
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
10.00	13.00	131.60	0.00
15.00	13.00	116.40	0.00
20.00	3.00	122.00	NoLiq
25.00	3.00	123.10	NoLiq
30.00	5.00	123.10	NoLiq
35.00	5.00	127.90	NoLiq
40.00	28.00	125.20	NoLiq
45.00	28.00	139.20	NoLiq
50.00	45.00	134.00	10.40
55.00	45.00	106.90	10.40
60.00	44.00	107.50	10.40
65.00	43.00	105.40	10.40

Output Results:
Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.52g

CSR Calculation:

Depth ft	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ g	a(z) g	CSR	x fs1	=CSRfs
10.00	131.60	0.622	69.20	0.327	0.98	0.000	0.517	0.62	1.10	0.69
10.05	131.45	0.625	69.05	0.329	0.98	0.000	0.517	0.62	1.10	0.69
10.10	131.30	0.628	68.90	0.330	0.98	0.000	0.517	0.62	1.10	0.69
10.15	131.14	0.631	68.74	0.332	0.98	0.000	0.517	0.62	1.10	0.69
10.20	130.99	0.634	68.59	0.334	0.98	0.000	0.517	0.62	1.10	0.69
10.25	130.84	0.637	68.44	0.335	0.98	0.000	0.517	0.62	1.10	0.69
10.30	130.69	0.640	68.29	0.337	0.98	0.000	0.517	0.62	1.10	0.69

10.35	130.54	0.644	68.14	0.338	0.98	0.000	0.517	0.62	1.10	0.69
10.40	130.38	0.647	67.98	0.340	0.98	0.000	0.517	0.62	1.10	0.69
10.45	130.23	0.650	67.83	0.342	0.98	0.000	0.517	0.62	1.10	0.69
10.50	130.08	0.653	67.68	0.343	0.98	0.000	0.517	0.62	1.10	0.69
10.55	129.93	0.656	67.53	0.345	0.98	0.000	0.517	0.62	1.10	0.69
10.60	129.78	0.659	67.38	0.346	0.98	0.000	0.517	0.62	1.10	0.69
10.65	129.62	0.662	67.22	0.348	0.98	0.000	0.517	0.62	1.10	0.69
10.70	129.47	0.665	67.07	0.350	0.98	0.000	0.517	0.62	1.10	0.69
10.75	129.32	0.668	66.92	0.351	0.97	0.000	0.517	0.62	1.10	0.69
10.80	129.17	0.671	66.77	0.353	0.97	0.000	0.517	0.62	1.10	0.69
10.85	129.02	0.674	66.62	0.354	0.97	0.000	0.517	0.62	1.10	0.69
10.90	128.86	0.677	66.46	0.356	0.97	0.000	0.517	0.62	1.10	0.69
10.95	128.71	0.680	66.31	0.357	0.97	0.000	0.517	0.62	1.10	0.69
11.00	128.56	0.683	66.16	0.359	0.97	0.000	0.517	0.62	1.10	0.69
11.05	128.41	0.686	66.01	0.361	0.97	0.000	0.517	0.62	1.10	0.69
11.10	128.26	0.689	65.86	0.362	0.97	0.000	0.517	0.62	1.10	0.69
11.15	128.10	0.692	65.70	0.364	0.97	0.000	0.517	0.62	1.10	0.69
11.20	127.95	0.696	65.55	0.365	0.97	0.000	0.517	0.62	1.10	0.69
11.25	127.80	0.699	65.40	0.367	0.97	0.000	0.517	0.62	1.10	0.69
11.30	127.65	0.702	65.25	0.368	0.97	0.000	0.517	0.62	1.10	0.69
11.35	127.50	0.705	65.10	0.370	0.97	0.000	0.517	0.62	1.10	0.69
11.40	127.34	0.708	64.94	0.371	0.97	0.000	0.517	0.62	1.10	0.69
11.45	127.19	0.711	64.79	0.373	0.97	0.000	0.517	0.62	1.10	0.69
11.50	127.04	0.714	64.64	0.374	0.97	0.000	0.517	0.62	1.10	0.69
11.55	126.89	0.717	64.49	0.376	0.97	0.000	0.517	0.62	1.10	0.69
11.60	126.74	0.720	64.34	0.378	0.97	0.000	0.517	0.62	1.10	0.69
11.65	126.58	0.723	64.18	0.379	0.97	0.000	0.517	0.62	1.10	0.69
11.70	126.43	0.726	64.03	0.381	0.97	0.000	0.517	0.62	1.10	0.69
11.75	126.28	0.729	63.88	0.382	0.97	0.000	0.517	0.62	1.10	0.69
11.80	126.13	0.732	63.73	0.384	0.97	0.000	0.517	0.62	1.10	0.69
11.85	125.98	0.735	63.58	0.385	0.97	0.000	0.517	0.62	1.10	0.69
11.90	125.82	0.737	63.42	0.387	0.97	0.000	0.517	0.62	1.10	0.69
11.95	125.67	0.740	63.27	0.388	0.97	0.000	0.517	0.62	1.10	0.69
12.00	125.52	0.743	63.12	0.390	0.97	0.000	0.517	0.62	1.10	0.69
12.05	125.37	0.746	62.97	0.391	0.97	0.000	0.517	0.62	1.10	0.69
12.10	125.22	0.749	62.82	0.393	0.97	0.000	0.517	0.62	1.10	0.69
12.15	125.06	0.752	62.66	0.394	0.97	0.000	0.517	0.62	1.10	0.69
12.20	124.91	0.755	62.51	0.396	0.97	0.000	0.517	0.62	1.10	0.69
12.25	124.76	0.758	62.36	0.397	0.97	0.000	0.517	0.62	1.10	0.69
12.30	124.61	0.761	62.21	0.398	0.97	0.000	0.517	0.62	1.10	0.69
12.35	124.46	0.764	62.06	0.400	0.97	0.000	0.517	0.62	1.10	0.69
12.40	124.30	0.767	61.90	0.401	0.97	0.000	0.517	0.62	1.10	0.69
12.45	124.15	0.770	61.75	0.403	0.97	0.000	0.517	0.62	1.10	0.69
12.50	124.00	0.773	61.60	0.404	0.97	0.000	0.517	0.62	1.10	0.69
12.55	123.85	0.776	61.45	0.406	0.97	0.000	0.517	0.62	1.10	0.69
12.60	123.70	0.779	61.30	0.407	0.97	0.000	0.517	0.62	1.10	0.69
12.65	123.54	0.782	61.14	0.409	0.97	0.000	0.517	0.62	1.10	0.69
12.70	123.39	0.785	60.99	0.410	0.97	0.000	0.517	0.62	1.10	0.69
12.75	123.24	0.788	60.84	0.412	0.97	0.000	0.517	0.62	1.10	0.69
12.80	123.09	0.790	60.69	0.413	0.97	0.000	0.517	0.62	1.10	0.69
12.85	122.94	0.793	60.54	0.414	0.97	0.000	0.517	0.62	1.10	0.69
12.90	122.78	0.796	60.38	0.416	0.97	0.000	0.517	0.62	1.10	0.69
12.95	122.63	0.799	60.23	0.417	0.97	0.000	0.517	0.62	1.10	0.69
13.00	122.48	0.802	60.08	0.419	0.97	0.000	0.517	0.62	1.10	0.69
13.05	122.33	0.805	59.93	0.420	0.97	0.000	0.517	0.62	1.10	0.69
13.10	122.18	0.808	59.78	0.422	0.97	0.000	0.517	0.62	1.10	0.69
13.15	122.02	0.811	59.62	0.423	0.97	0.000	0.517	0.62	1.10	0.69
13.20	121.87	0.814	59.47	0.424	0.97	0.000	0.517	0.62	1.10	0.69
13.25	121.72	0.817	59.32	0.426	0.97	0.000	0.517	0.62	1.10	0.69
13.30	121.57	0.819	59.17	0.427	0.97	0.000	0.517	0.62	1.10	0.69
13.35	121.42	0.822	59.02	0.429	0.97	0.000	0.517	0.62	1.10	0.69
13.40	121.26	0.825	58.86	0.430	0.97	0.000	0.517	0.62	1.10	0.69
13.45	121.11	0.828	58.71	0.431	0.97	0.000	0.517	0.62	1.10	0.69
13.50	120.96	0.831	58.56	0.433	0.97	0.000	0.517	0.62	1.10	0.69
13.55	120.81	0.834	58.41	0.434	0.97	0.000	0.517	0.62	1.10	0.69
13.60	120.66	0.837	58.26	0.436	0.97	0.000	0.517	0.62	1.10	0.69
13.65	120.50	0.839	58.10	0.437	0.97	0.000	0.517	0.63	1.10	0.69
13.70	120.35	0.842	57.95	0.438	0.97	0.000	0.517	0.63	1.10	0.69
13.75	120.20	0.845	57.80	0.440	0.97	0.000	0.517	0.63	1.10	0.69
13.80	120.05	0.848	57.65	0.441	0.97	0.000	0.517	0.63	1.10	0.69
13.85	119.90	0.851	57.50	0.442	0.97	0.000	0.517	0.63	1.10	0.69
13.90	119.74	0.854	57.34	0.444	0.97	0.000	0.517	0.63	1.10	0.69
13.95	119.59	0.856	57.19	0.445	0.97	0.000	0.517	0.63	1.10	0.69

14.00	119.44	0.859	57.04	0.446	0.97	0.000	0.517	0.63	1.10	0.69
14.05	119.29	0.862	56.89	0.448	0.97	0.000	0.517	0.63	1.10	0.69
14.10	119.14	0.865	56.74	0.449	0.97	0.000	0.517	0.63	1.10	0.69
14.15	118.98	0.868	56.58	0.450	0.97	0.000	0.517	0.63	1.10	0.69
14.20	118.83	0.871	56.43	0.452	0.97	0.000	0.517	0.63	1.10	0.69
14.25	118.68	0.873	56.28	0.453	0.97	0.000	0.517	0.63	1.10	0.69
14.30	118.53	0.876	56.13	0.454	0.97	0.000	0.517	0.63	1.10	0.69
14.35	118.38	0.879	55.98	0.456	0.97	0.000	0.517	0.63	1.10	0.69
14.40	118.22	0.882	55.82	0.457	0.97	0.000	0.517	0.63	1.10	0.69
14.45	118.07	0.885	55.67	0.458	0.97	0.000	0.517	0.63	1.10	0.69
14.50	117.92	0.887	55.52	0.460	0.97	0.000	0.517	0.63	1.10	0.69
14.55	117.77	0.890	55.37	0.461	0.97	0.000	0.517	0.63	1.10	0.69
14.60	117.62	0.893	55.22	0.462	0.97	0.000	0.517	0.63	1.10	0.69
14.65	117.46	0.896	55.06	0.464	0.97	0.000	0.517	0.63	1.10	0.69
14.70	117.31	0.898	54.91	0.465	0.97	0.000	0.517	0.63	1.10	0.69
14.75	117.16	0.901	54.76	0.466	0.97	0.000	0.517	0.63	1.10	0.69
14.80	117.01	0.904	54.61	0.468	0.97	0.000	0.517	0.63	1.10	0.69
14.85	116.86	0.907	54.46	0.469	0.97	0.000	0.517	0.63	1.10	0.69
14.90	116.70	0.910	54.30	0.470	0.97	0.000	0.517	0.63	1.10	0.69
14.95	116.55	0.912	54.15	0.471	0.97	0.000	0.517	0.63	1.10	0.69
15.00	116.40	0.915	54.00	0.473	0.97	0.000	0.517	0.63	1.10	0.69
15.05	116.46	0.918	54.06	0.474	0.96	0.000	0.517	0.63	1.10	0.69
15.10	116.51	0.921	54.11	0.475	0.96	0.000	0.517	0.63	1.10	0.69
15.15	116.57	0.923	54.17	0.477	0.96	0.000	0.517	0.63	1.10	0.69
15.20	116.62	0.926	54.22	0.478	0.96	0.000	0.517	0.63	1.10	0.69
15.25	116.68	0.929	54.28	0.479	0.96	0.000	0.517	0.63	1.10	0.69
15.30	116.74	0.932	54.34	0.480	0.96	0.000	0.517	0.63	1.10	0.69
15.35	116.79	0.934	54.39	0.482	0.96	0.000	0.517	0.63	1.10	0.69
15.40	116.85	0.937	54.45	0.483	0.96	0.000	0.517	0.63	1.10	0.69
15.45	116.90	0.940	54.50	0.484	0.96	0.000	0.517	0.63	1.10	0.69
15.50	116.96	0.943	54.56	0.486	0.96	0.000	0.517	0.63	1.10	0.69
15.55	117.02	0.945	54.62	0.487	0.96	0.000	0.517	0.63	1.10	0.69
15.60	117.07	0.948	54.67	0.488	0.96	0.000	0.517	0.63	1.10	0.69
15.65	117.13	0.951	54.73	0.489	0.96	0.000	0.517	0.63	1.10	0.69
15.70	117.18	0.954	54.78	0.491	0.96	0.000	0.517	0.63	1.10	0.69
15.75	117.24	0.956	54.84	0.492	0.96	0.000	0.517	0.63	1.10	0.69
15.80	117.30	0.959	54.90	0.493	0.96	0.000	0.517	0.63	1.10	0.69
15.85	117.35	0.962	54.95	0.495	0.96	0.000	0.517	0.63	1.10	0.69
15.90	117.41	0.965	55.01	0.496	0.96	0.000	0.517	0.63	1.10	0.69
15.95	117.46	0.968	55.06	0.497	0.96	0.000	0.517	0.63	1.10	0.69
16.00	117.52	0.970	55.12	0.498	0.96	0.000	0.517	0.63	1.10	0.69
16.05	117.58	0.973	55.18	0.500	0.96	0.000	0.517	0.63	1.10	0.69
16.10	117.63	0.976	55.23	0.501	0.96	0.000	0.517	0.63	1.10	0.69
16.15	117.69	0.979	55.29	0.502	0.96	0.000	0.517	0.63	1.10	0.69
16.20	117.74	0.981	55.34	0.504	0.96	0.000	0.517	0.63	1.10	0.69
16.25	117.80	0.984	55.40	0.505	0.96	0.000	0.517	0.63	1.10	0.69
16.30	117.86	0.987	55.46	0.506	0.96	0.000	0.517	0.63	1.10	0.69
16.35	117.91	0.990	55.51	0.508	0.96	0.000	0.517	0.63	1.10	0.69
16.40	117.97	0.993	55.57	0.509	0.96	0.000	0.517	0.63	1.10	0.69
16.45	118.02	0.995	55.62	0.510	0.96	0.000	0.517	0.63	1.10	0.69
16.50	118.08	0.998	55.68	0.512	0.96	0.000	0.517	0.63	1.10	0.69
16.55	118.14	1.001	55.74	0.513	0.96	0.000	0.517	0.63	1.10	0.69
16.60	118.19	1.004	55.79	0.514	0.96	0.000	0.517	0.63	1.10	0.69
16.65	118.25	1.006	55.85	0.516	0.96	0.000	0.517	0.63	1.10	0.69
16.70	118.30	1.009	55.90	0.517	0.96	0.000	0.517	0.63	1.10	0.69
16.75	118.36	1.012	55.96	0.518	0.96	0.000	0.517	0.63	1.10	0.69
16.80	118.42	1.015	56.02	0.519	0.96	0.000	0.517	0.63	1.10	0.69
16.85	118.47	1.018	56.07	0.521	0.96	0.000	0.517	0.63	1.10	0.69
16.90	118.53	1.020	56.13	0.522	0.96	0.000	0.517	0.63	1.10	0.69
16.95	118.58	1.023	56.18	0.523	0.96	0.000	0.517	0.63	1.10	0.69
17.00	118.64	1.026	56.24	0.525	0.96	0.000	0.517	0.63	1.10	0.69
17.05	118.70	1.029	56.30	0.526	0.96	0.000	0.517	0.63	1.10	0.69
17.10	118.75	1.032	56.35	0.527	0.96	0.000	0.517	0.63	1.10	0.69
17.15	118.81	1.034	56.41	0.529	0.96	0.000	0.517	0.63	1.10	0.69
17.20	118.86	1.037	56.46	0.530	0.96	0.000	0.517	0.63	1.10	0.69
17.25	118.92	1.040	56.52	0.531	0.96	0.000	0.517	0.63	1.10	0.69
17.30	118.98	1.043	56.58	0.533	0.96	0.000	0.517	0.63	1.10	0.69
17.35	119.03	1.046	56.63	0.534	0.96	0.000	0.517	0.63	1.10	0.69
17.40	119.09	1.049	56.69	0.535	0.96	0.000	0.517	0.63	1.10	0.69
17.45	119.14	1.051	56.74	0.537	0.96	0.000	0.517	0.63	1.10	0.69
17.50	119.20	1.054	56.80	0.538	0.96	0.000	0.517	0.63	1.10	0.69
17.55	119.26	1.057	56.86	0.539	0.96	0.000	0.517	0.63	1.10	0.69
17.60	119.31	1.060	56.91	0.541	0.96	0.000	0.517	0.63	1.10	0.69

17.65	119.37	1.063	56.97	0.542	0.96	0.000	0.517	0.63	1.10	0.69
17.70	119.42	1.065	57.02	0.544	0.96	0.000	0.517	0.63	1.10	0.69
17.75	119.48	1.068	57.08	0.545	0.96	0.000	0.517	0.63	1.10	0.69
17.80	119.54	1.071	57.14	0.546	0.96	0.000	0.517	0.63	1.10	0.69
17.85	119.59	1.074	57.19	0.548	0.96	0.000	0.517	0.63	1.10	0.69
17.90	119.65	1.077	57.25	0.549	0.96	0.000	0.517	0.63	1.10	0.69
17.95	119.70	1.080	57.30	0.550	0.96	0.000	0.517	0.63	1.10	0.69
18.00	119.76	1.082	57.36	0.552	0.96	0.000	0.517	0.63	1.10	0.69
18.05	119.82	1.085	57.42	0.553	0.96	0.000	0.517	0.63	1.10	0.69
18.10	119.87	1.088	57.47	0.554	0.96	0.000	0.517	0.63	1.10	0.69
18.15	119.93	1.091	57.53	0.556	0.96	0.000	0.517	0.63	1.10	0.69
18.20	119.98	1.094	57.58	0.557	0.96	0.000	0.517	0.63	1.10	0.69
18.25	120.04	1.097	57.64	0.558	0.96	0.000	0.517	0.63	1.10	0.70
18.30	120.10	1.099	57.70	0.560	0.96	0.000	0.517	0.63	1.10	0.70
18.35	120.15	1.102	57.75	0.561	0.96	0.000	0.517	0.63	1.10	0.70
18.40	120.21	1.105	57.81	0.562	0.96	0.000	0.517	0.63	1.10	0.70
18.45	120.26	1.108	57.86	0.564	0.96	0.000	0.517	0.63	1.10	0.70
18.50	120.32	1.111	57.92	0.565	0.96	0.000	0.517	0.63	1.10	0.70
18.55	120.38	1.114	57.98	0.567	0.96	0.000	0.517	0.63	1.10	0.70
18.60	120.43	1.116	58.03	0.568	0.96	0.000	0.517	0.63	1.10	0.70
18.65	120.49	1.119	58.09	0.569	0.96	0.000	0.517	0.63	1.10	0.70
18.70	120.54	1.122	58.14	0.571	0.96	0.000	0.517	0.63	1.10	0.70
18.75	120.60	1.125	58.20	0.572	0.96	0.000	0.517	0.63	1.10	0.70
18.80	120.66	1.128	58.26	0.573	0.96	0.000	0.517	0.63	1.10	0.70
18.85	120.71	1.131	58.31	0.575	0.96	0.000	0.517	0.63	1.10	0.70
18.90	120.77	1.134	58.37	0.576	0.96	0.000	0.517	0.63	1.10	0.70
18.95	120.82	1.136	58.42	0.578	0.96	0.000	0.517	0.63	1.10	0.70
19.00	120.88	1.139	58.48	0.579	0.96	0.000	0.517	0.63	1.10	0.70
19.05	120.94	1.142	58.54	0.580	0.96	0.000	0.517	0.63	1.10	0.70
19.10	120.99	1.145	58.59	0.582	0.96	0.000	0.517	0.63	1.10	0.70
19.15	121.05	1.148	58.65	0.583	0.96	0.000	0.517	0.63	1.10	0.70
19.20	121.10	1.151	58.70	0.585	0.96	0.000	0.517	0.63	1.10	0.70
19.25	121.16	1.154	58.76	0.586	0.96	0.000	0.517	0.63	1.10	0.70
19.30	121.22	1.156	58.82	0.587	0.96	0.000	0.517	0.63	1.10	0.70
19.35	121.27	1.159	58.87	0.589	0.95	0.000	0.517	0.63	1.10	0.70
19.40	121.33	1.162	58.93	0.590	0.95	0.000	0.517	0.63	1.10	0.70
19.45	121.38	1.165	58.98	0.591	0.95	0.000	0.517	0.63	1.10	0.70
19.50	121.44	1.168	59.04	0.593	0.95	0.000	0.517	0.63	1.10	0.70
19.55	121.50	1.171	59.10	0.594	0.95	0.000	0.517	0.63	1.10	0.70
19.60	121.55	1.174	59.15	0.596	0.95	0.000	0.517	0.63	1.10	0.70
19.65	121.61	1.176	59.21	0.597	0.95	0.000	0.517	0.63	1.10	0.70
19.70	121.66	1.179	59.26	0.598	0.95	0.000	0.517	0.63	1.10	0.70
19.75	121.72	1.182	59.32	0.600	0.95	0.000	0.517	0.63	1.10	0.69
19.80	121.78	1.185	59.38	0.601	0.95	0.000	0.517	0.63	1.10	0.69
19.85	121.83	1.188	59.43	0.603	0.95	0.000	0.517	0.63	1.10	0.69
19.90	121.89	1.191	59.49	0.604	0.95	0.000	0.517	0.63	1.10	0.69
19.95	121.94	1.194	59.54	0.605	0.95	0.000	0.517	0.63	1.10	0.69
20.00	122.00	1.197	59.60	0.607	0.95	0.000	0.517	0.63	1.10	0.69
20.05	122.01	1.199	59.61	0.608	0.95	0.000	0.517	0.63	1.10	0.69
20.10	122.02	1.202	59.62	0.610	0.95	0.000	0.517	0.63	1.10	0.69
20.15	122.03	1.205	59.63	0.611	0.95	0.000	0.517	0.63	1.10	0.69
20.20	122.04	1.208	59.64	0.612	0.95	0.000	0.517	0.63	1.10	0.69
20.25	122.05	1.211	59.65	0.614	0.95	0.000	0.517	0.63	1.10	0.69
20.30	122.07	1.214	59.67	0.615	0.95	0.000	0.517	0.63	1.10	0.69
20.35	122.08	1.217	59.68	0.617	0.95	0.000	0.517	0.63	1.10	0.69
20.40	122.09	1.220	59.69	0.618	0.95	0.000	0.517	0.63	1.10	0.69
20.45	122.10	1.223	59.70	0.620	0.95	0.000	0.517	0.63	1.10	0.69
20.50	122.11	1.225	59.71	0.621	0.95	0.000	0.517	0.63	1.10	0.69
20.55	122.12	1.228	59.72	0.622	0.95	0.000	0.517	0.63	1.10	0.69
20.60	122.13	1.231	59.73	0.624	0.95	0.000	0.517	0.63	1.10	0.69
20.65	122.14	1.234	59.74	0.625	0.95	0.000	0.517	0.63	1.10	0.69
20.70	122.15	1.237	59.75	0.627	0.95	0.000	0.517	0.63	1.10	0.69
20.75	122.16	1.240	59.76	0.628	0.95	0.000	0.517	0.63	1.10	0.69
20.80	122.18	1.243	59.78	0.629	0.95	0.000	0.517	0.63	1.10	0.69
20.85	122.19	1.246	59.79	0.631	0.95	0.000	0.517	0.63	1.10	0.69
20.90	122.20	1.249	59.80	0.632	0.95	0.000	0.517	0.63	1.10	0.69
20.95	122.21	1.251	59.81	0.634	0.95	0.000	0.517	0.63	1.10	0.69
21.00	122.22	1.254	59.82	0.635	0.95	0.000	0.517	0.63	1.10	0.69
21.05	122.23	1.257	59.83	0.636	0.95	0.000	0.517	0.63	1.10	0.69
21.10	122.24	1.260	59.84	0.638	0.95	0.000	0.517	0.63	1.10	0.69
21.15	122.25	1.263	59.85	0.639	0.95	0.000	0.517	0.63	1.10	0.69
21.20	122.26	1.266	59.86	0.641	0.95	0.000	0.517	0.63	1.10	0.69
21.25	122.27	1.269	59.87	0.642	0.95	0.000	0.517	0.63	1.10	0.69

21.30	122.29	1.272	59.89	0.644	0.95	0.000	0.517	0.63	1.10	0.69
21.35	122.30	1.275	59.90	0.645	0.95	0.000	0.517	0.63	1.10	0.69
21.40	122.31	1.277	59.91	0.646	0.95	0.000	0.517	0.63	1.10	0.69
21.45	122.32	1.280	59.92	0.648	0.95	0.000	0.517	0.63	1.10	0.69
21.50	122.33	1.283	59.93	0.649	0.95	0.000	0.517	0.63	1.10	0.69
21.55	122.34	1.286	59.94	0.651	0.95	0.000	0.517	0.63	1.10	0.69
21.60	122.35	1.289	59.95	0.652	0.95	0.000	0.517	0.63	1.10	0.69
21.65	122.36	1.292	59.96	0.653	0.95	0.000	0.517	0.63	1.10	0.69
21.70	122.37	1.295	59.97	0.655	0.95	0.000	0.517	0.63	1.10	0.69
21.75	122.38	1.298	59.98	0.656	0.95	0.000	0.517	0.63	1.10	0.69
21.80	122.40	1.301	60.00	0.658	0.95	0.000	0.517	0.63	1.10	0.69
21.85	122.41	1.303	60.01	0.659	0.95	0.000	0.517	0.63	1.10	0.69
21.90	122.42	1.306	60.02	0.661	0.95	0.000	0.517	0.63	1.10	0.69
21.95	122.43	1.309	60.03	0.662	0.95	0.000	0.517	0.63	1.10	0.69
22.00	122.44	1.312	60.04	0.663	0.95	0.000	0.517	0.63	1.10	0.69
22.05	122.45	1.315	60.05	0.665	0.95	0.000	0.517	0.63	1.10	0.69
22.10	122.46	1.318	60.06	0.666	0.95	0.000	0.517	0.63	1.10	0.69
22.15	122.47	1.321	60.07	0.668	0.95	0.000	0.517	0.63	1.10	0.69
22.20	122.48	1.324	60.08	0.669	0.95	0.000	0.517	0.63	1.10	0.69
22.25	122.49	1.327	60.09	0.670	0.95	0.000	0.517	0.63	1.10	0.69
22.30	122.51	1.329	60.11	0.672	0.95	0.000	0.517	0.63	1.10	0.69
22.35	122.52	1.332	60.12	0.673	0.95	0.000	0.517	0.63	1.10	0.69
22.40	122.53	1.335	60.13	0.675	0.95	0.000	0.517	0.63	1.10	0.69
22.45	122.54	1.338	60.14	0.676	0.95	0.000	0.517	0.63	1.10	0.69
22.50	122.55	1.341	60.15	0.678	0.95	0.000	0.517	0.63	1.10	0.69
22.55	122.56	1.344	60.16	0.679	0.95	0.000	0.517	0.63	1.10	0.69
22.60	122.57	1.347	60.17	0.680	0.95	0.000	0.517	0.63	1.10	0.69
22.65	122.58	1.350	60.18	0.682	0.95	0.000	0.517	0.63	1.10	0.69
22.70	122.59	1.353	60.19	0.683	0.95	0.000	0.517	0.63	1.10	0.69
22.75	122.60	1.356	60.20	0.685	0.95	0.000	0.517	0.63	1.10	0.69
22.80	122.62	1.358	60.22	0.686	0.95	0.000	0.517	0.63	1.10	0.69
22.85	122.63	1.361	60.23	0.688	0.95	0.000	0.517	0.63	1.10	0.69
22.90	122.64	1.364	60.24	0.689	0.95	0.000	0.517	0.63	1.10	0.69
22.95	122.65	1.367	60.25	0.690	0.95	0.000	0.517	0.63	1.10	0.69
23.00	122.66	1.370	60.26	0.692	0.95	0.000	0.517	0.63	1.10	0.69
23.05	122.67	1.373	60.27	0.693	0.95	0.000	0.517	0.63	1.10	0.69
23.10	122.68	1.376	60.28	0.695	0.95	0.000	0.517	0.63	1.10	0.69
23.15	122.69	1.379	60.29	0.696	0.95	0.000	0.517	0.63	1.10	0.69
23.20	122.70	1.382	60.30	0.698	0.95	0.000	0.517	0.63	1.10	0.69
23.25	122.71	1.385	60.31	0.699	0.95	0.000	0.517	0.63	1.10	0.69
23.30	122.73	1.387	60.33	0.700	0.95	0.000	0.517	0.63	1.10	0.69
23.35	122.74	1.390	60.34	0.702	0.95	0.000	0.517	0.63	1.10	0.69
23.40	122.75	1.393	60.35	0.703	0.95	0.000	0.517	0.63	1.10	0.69
23.45	122.76	1.396	60.36	0.705	0.95	0.000	0.517	0.63	1.10	0.69
23.50	122.77	1.399	60.37	0.706	0.95	0.000	0.517	0.63	1.10	0.69
23.55	122.78	1.402	60.38	0.707	0.95	0.000	0.517	0.63	1.10	0.69
23.60	122.79	1.405	60.39	0.709	0.94	0.000	0.517	0.63	1.10	0.69
23.65	122.80	1.408	60.40	0.710	0.94	0.000	0.517	0.63	1.10	0.69
23.70	122.81	1.411	60.41	0.712	0.94	0.000	0.517	0.63	1.10	0.69
23.75	122.82	1.414	60.42	0.713	0.94	0.000	0.517	0.63	1.10	0.69
23.80	122.84	1.416	60.44	0.715	0.94	0.000	0.517	0.63	1.10	0.69
23.85	122.85	1.419	60.45	0.716	0.94	0.000	0.517	0.63	1.10	0.69
23.90	122.86	1.422	60.46	0.717	0.94	0.000	0.517	0.63	1.10	0.69
23.95	122.87	1.425	60.47	0.719	0.94	0.000	0.517	0.63	1.10	0.69
24.00	122.88	1.428	60.48	0.720	0.94	0.000	0.517	0.63	1.10	0.69
24.05	122.89	1.431	60.49	0.722	0.94	0.000	0.517	0.63	1.10	0.69
24.10	122.90	1.434	60.50	0.723	0.94	0.000	0.517	0.63	1.10	0.69
24.15	122.91	1.437	60.51	0.725	0.94	0.000	0.517	0.63	1.10	0.69
24.20	122.92	1.440	60.52	0.726	0.94	0.000	0.517	0.63	1.10	0.69
24.25	122.93	1.443	60.53	0.727	0.94	0.000	0.517	0.63	1.10	0.69
24.30	122.95	1.445	60.55	0.729	0.94	0.000	0.517	0.63	1.10	0.69
24.35	122.96	1.448	60.56	0.730	0.94	0.000	0.517	0.63	1.10	0.69
24.40	122.97	1.451	60.57	0.732	0.94	0.000	0.517	0.63	1.10	0.69
24.45	122.98	1.454	60.58	0.733	0.94	0.000	0.517	0.63	1.10	0.69
24.50	122.99	1.457	60.59	0.735	0.94	0.000	0.517	0.63	1.10	0.69
24.55	123.00	1.460	60.60	0.736	0.94	0.000	0.517	0.63	1.10	0.69
24.60	123.01	1.463	60.61	0.738	0.94	0.000	0.517	0.63	1.10	0.69
24.65	123.02	1.466	60.62	0.739	0.94	0.000	0.517	0.63	1.10	0.69
24.70	123.03	1.469	60.63	0.740	0.94	0.000	0.517	0.63	1.10	0.69
24.75	123.04	1.472	60.64	0.742	0.94	0.000	0.517	0.63	1.10	0.69
24.80	123.06	1.475	60.66	0.743	0.94	0.000	0.517	0.63	1.10	0.69
24.85	123.07	1.477	60.67	0.745	0.94	0.000	0.517	0.63	1.10	0.69
24.90	123.08	1.480	60.68	0.746	0.94	0.000	0.517	0.63	1.10	0.69

24.95	123.09	1.483	60.69	0.748	0.94	0.000	0.517	0.63	1.10	0.69
25.00	123.10	1.486	60.70	0.749	0.94	0.000	0.517	0.63	1.10	0.69
25.05	123.10	1.489	60.70	0.750	0.94	0.000	0.517	0.63	1.10	0.69
25.10	123.10	1.492	60.70	0.752	0.94	0.000	0.517	0.63	1.10	0.69
25.15	123.10	1.495	60.70	0.753	0.94	0.000	0.517	0.63	1.10	0.69
25.20	123.10	1.498	60.70	0.755	0.94	0.000	0.517	0.63	1.10	0.69
25.25	123.10	1.501	60.70	0.756	0.94	0.000	0.517	0.63	1.10	0.69
25.30	123.10	1.504	60.70	0.758	0.94	0.000	0.517	0.63	1.10	0.69
25.35	123.10	1.506	60.70	0.759	0.94	0.000	0.517	0.63	1.10	0.69
25.40	123.10	1.509	60.70	0.760	0.94	0.000	0.517	0.63	1.10	0.69
25.45	123.10	1.512	60.70	0.762	0.94	0.000	0.517	0.63	1.10	0.69
25.50	123.10	1.515	60.70	0.763	0.94	0.000	0.517	0.63	1.10	0.69
25.55	123.10	1.518	60.70	0.765	0.94	0.000	0.517	0.63	1.10	0.69
25.60	123.10	1.521	60.70	0.766	0.94	0.000	0.517	0.63	1.10	0.69
25.65	123.10	1.524	60.70	0.768	0.94	0.000	0.517	0.63	1.10	0.69
25.70	123.10	1.527	60.70	0.769	0.94	0.000	0.517	0.63	1.10	0.69
25.75	123.10	1.530	60.70	0.770	0.94	0.000	0.517	0.63	1.10	0.69
25.80	123.10	1.533	60.70	0.772	0.94	0.000	0.517	0.63	1.10	0.69
25.85	123.10	1.536	60.70	0.773	0.94	0.000	0.517	0.63	1.10	0.69
25.90	123.10	1.538	60.70	0.775	0.94	0.000	0.517	0.63	1.10	0.69
25.95	123.10	1.541	60.70	0.776	0.94	0.000	0.517	0.63	1.10	0.69
26.00	123.10	1.544	60.70	0.778	0.94	0.000	0.517	0.63	1.10	0.69
26.05	123.10	1.547	60.70	0.779	0.94	0.000	0.517	0.63	1.10	0.69
26.10	123.10	1.550	60.70	0.781	0.94	0.000	0.517	0.63	1.10	0.69
26.15	123.10	1.553	60.70	0.782	0.94	0.000	0.517	0.63	1.10	0.69
26.20	123.10	1.556	60.70	0.783	0.94	0.000	0.517	0.63	1.10	0.69
26.25	123.10	1.559	60.70	0.785	0.94	0.000	0.517	0.63	1.10	0.69
26.30	123.10	1.562	60.70	0.786	0.94	0.000	0.517	0.63	1.10	0.69
26.35	123.10	1.565	60.70	0.788	0.94	0.000	0.517	0.63	1.10	0.69
26.40	123.10	1.568	60.70	0.789	0.94	0.000	0.517	0.63	1.10	0.69
26.45	123.10	1.570	60.70	0.791	0.94	0.000	0.517	0.63	1.10	0.69
26.50	123.10	1.573	60.70	0.792	0.94	0.000	0.517	0.63	1.10	0.69
26.55	123.10	1.576	60.70	0.793	0.94	0.000	0.517	0.63	1.10	0.69
26.60	123.10	1.579	60.70	0.795	0.94	0.000	0.517	0.63	1.10	0.69
26.65	123.10	1.582	60.70	0.796	0.94	0.000	0.517	0.63	1.10	0.69
26.70	123.10	1.585	60.70	0.798	0.94	0.000	0.517	0.63	1.10	0.69
26.75	123.10	1.588	60.70	0.799	0.94	0.000	0.517	0.63	1.10	0.69
26.80	123.10	1.591	60.70	0.801	0.94	0.000	0.517	0.63	1.10	0.69
26.85	123.10	1.594	60.70	0.802	0.94	0.000	0.517	0.63	1.10	0.69
26.90	123.10	1.597	60.70	0.803	0.94	0.000	0.517	0.63	1.10	0.69
26.95	123.10	1.600	60.70	0.805	0.94	0.000	0.517	0.63	1.10	0.69
27.00	123.10	1.602	60.70	0.806	0.94	0.000	0.517	0.63	1.10	0.69
27.05	123.10	1.605	60.70	0.808	0.94	0.000	0.517	0.63	1.10	0.69
27.10	123.10	1.608	60.70	0.809	0.94	0.000	0.517	0.63	1.10	0.69
27.15	123.10	1.611	60.70	0.811	0.94	0.000	0.517	0.63	1.10	0.69
27.20	123.10	1.614	60.70	0.812	0.94	0.000	0.517	0.63	1.10	0.69
27.25	123.10	1.617	60.70	0.814	0.94	0.000	0.517	0.63	1.10	0.69
27.30	123.10	1.620	60.70	0.815	0.94	0.000	0.517	0.63	1.10	0.69
27.35	123.10	1.623	60.70	0.816	0.94	0.000	0.517	0.63	1.10	0.69
27.40	123.10	1.626	60.70	0.818	0.94	0.000	0.517	0.63	1.10	0.69
27.45	123.10	1.629	60.70	0.819	0.94	0.000	0.517	0.63	1.10	0.69
27.50	123.10	1.632	60.70	0.821	0.94	0.000	0.517	0.63	1.10	0.69
27.55	123.10	1.634	60.70	0.822	0.94	0.000	0.517	0.63	1.10	0.69
27.60	123.10	1.637	60.70	0.824	0.94	0.000	0.517	0.63	1.10	0.69
27.65	123.10	1.640	60.70	0.825	0.94	0.000	0.517	0.63	1.10	0.69
27.70	123.10	1.643	60.70	0.826	0.94	0.000	0.517	0.63	1.10	0.69
27.75	123.10	1.646	60.70	0.828	0.94	0.000	0.517	0.62	1.10	0.69
27.80	123.10	1.649	60.70	0.829	0.94	0.000	0.517	0.62	1.10	0.69
27.85	123.10	1.652	60.70	0.831	0.94	0.000	0.517	0.62	1.10	0.69
27.90	123.10	1.655	60.70	0.832	0.93	0.000	0.517	0.62	1.10	0.69
27.95	123.10	1.658	60.70	0.834	0.93	0.000	0.517	0.62	1.10	0.69
28.00	123.10	1.661	60.70	0.835	0.93	0.000	0.517	0.62	1.10	0.69
28.05	123.10	1.664	60.70	0.836	0.93	0.000	0.517	0.62	1.10	0.69
28.10	123.10	1.666	60.70	0.838	0.93	0.000	0.517	0.62	1.10	0.69
28.15	123.10	1.669	60.70	0.839	0.93	0.000	0.517	0.62	1.10	0.69
28.20	123.10	1.672	60.70	0.841	0.93	0.000	0.517	0.62	1.10	0.69
28.25	123.10	1.675	60.70	0.842	0.93	0.000	0.517	0.62	1.10	0.69
28.30	123.10	1.678	60.70	0.844	0.93	0.000	0.517	0.62	1.10	0.69
28.35	123.10	1.681	60.70	0.845	0.93	0.000	0.517	0.62	1.10	0.69
28.40	123.10	1.684	60.70	0.846	0.93	0.000	0.517	0.62	1.10	0.69
28.45	123.10	1.687	60.70	0.848	0.93	0.000	0.517	0.62	1.10	0.69
28.50	123.10	1.690	60.70	0.849	0.93	0.000	0.517	0.62	1.10	0.69
28.55	123.10	1.693	60.70	0.851	0.93	0.000	0.517	0.62	1.10	0.69

28.60	123.10	1.696	60.70	0.852	0.93	0.000	0.517	0.62	1.10	0.69
28.65	123.10	1.698	60.70	0.854	0.93	0.000	0.517	0.62	1.10	0.69
28.70	123.10	1.701	60.70	0.855	0.93	0.000	0.517	0.62	1.10	0.69
28.75	123.10	1.704	60.70	0.857	0.93	0.000	0.517	0.62	1.10	0.69
28.80	123.10	1.707	60.70	0.858	0.93	0.000	0.517	0.62	1.10	0.69
28.85	123.10	1.710	60.70	0.859	0.93	0.000	0.517	0.62	1.10	0.69
28.90	123.10	1.713	60.70	0.861	0.93	0.000	0.517	0.62	1.10	0.69
28.95	123.10	1.716	60.70	0.862	0.93	0.000	0.517	0.62	1.10	0.69
29.00	123.10	1.719	60.70	0.864	0.93	0.000	0.517	0.62	1.10	0.69
29.05	123.10	1.722	60.70	0.865	0.93	0.000	0.517	0.62	1.10	0.69
29.10	123.10	1.725	60.70	0.867	0.93	0.000	0.517	0.62	1.10	0.69
29.15	123.10	1.728	60.70	0.868	0.93	0.000	0.517	0.62	1.10	0.69
29.20	123.10	1.730	60.70	0.869	0.93	0.000	0.517	0.62	1.10	0.69
29.25	123.10	1.733	60.70	0.871	0.93	0.000	0.517	0.62	1.10	0.69
29.30	123.10	1.736	60.70	0.872	0.93	0.000	0.517	0.62	1.10	0.69
29.35	123.10	1.739	60.70	0.874	0.93	0.000	0.517	0.62	1.10	0.69
29.40	123.10	1.742	60.70	0.875	0.93	0.000	0.517	0.62	1.10	0.69
29.45	123.10	1.745	60.70	0.877	0.93	0.000	0.517	0.62	1.10	0.69
29.50	123.10	1.748	60.70	0.878	0.93	0.000	0.517	0.62	1.10	0.69
29.55	123.10	1.751	60.70	0.879	0.93	0.000	0.517	0.62	1.10	0.69
29.60	123.10	1.754	60.70	0.881	0.93	0.000	0.517	0.62	1.10	0.69
29.65	123.10	1.757	60.70	0.882	0.93	0.000	0.517	0.62	1.10	0.69
29.70	123.10	1.760	60.70	0.884	0.93	0.000	0.517	0.62	1.10	0.68
29.75	123.10	1.762	60.70	0.885	0.93	0.000	0.517	0.62	1.10	0.68
29.80	123.10	1.765	60.70	0.887	0.93	0.000	0.517	0.62	1.10	0.68
29.85	123.10	1.768	60.70	0.888	0.93	0.000	0.517	0.62	1.10	0.68
29.90	123.10	1.771	60.70	0.890	0.93	0.000	0.517	0.62	1.10	0.68
29.95	123.10	1.774	60.70	0.891	0.93	0.000	0.517	0.62	1.10	0.68
30.00	123.10	1.777	60.70	0.892	0.93	0.000	0.517	0.62	1.10	0.68
30.05	123.15	1.780	60.75	0.894	0.93	0.000	0.517	0.62	1.10	0.68
30.10	123.20	1.783	60.80	0.895	0.93	0.000	0.517	0.62	1.10	0.68
30.15	123.24	1.786	60.84	0.897	0.93	0.000	0.517	0.62	1.10	0.68
30.20	123.29	1.789	60.89	0.898	0.93	0.000	0.517	0.62	1.10	0.68
30.25	123.34	1.792	60.94	0.900	0.93	0.000	0.517	0.62	1.10	0.68
30.30	123.39	1.794	60.99	0.901	0.93	0.000	0.517	0.62	1.10	0.68
30.35	123.44	1.797	61.04	0.902	0.93	0.000	0.517	0.62	1.10	0.68
30.40	123.48	1.800	61.08	0.904	0.93	0.000	0.517	0.62	1.10	0.68
30.45	123.53	1.803	61.13	0.905	0.93	0.000	0.517	0.62	1.10	0.68
30.50	123.58	1.806	61.18	0.907	0.93	0.000	0.517	0.62	1.10	0.68
30.55	123.63	1.809	61.23	0.908	0.93	0.000	0.517	0.62	1.10	0.68
30.60	123.68	1.812	61.28	0.910	0.92	0.000	0.517	0.62	1.10	0.68
30.65	123.72	1.815	61.32	0.911	0.92	0.000	0.517	0.62	1.10	0.68
30.70	123.77	1.818	61.37	0.913	0.92	0.000	0.517	0.62	1.10	0.68
30.75	123.82	1.821	61.42	0.914	0.92	0.000	0.517	0.62	1.10	0.68
30.80	123.87	1.824	61.47	0.915	0.92	0.000	0.517	0.62	1.10	0.68
30.85	123.92	1.827	61.52	0.917	0.92	0.000	0.517	0.62	1.10	0.68
30.90	123.96	1.830	61.56	0.918	0.92	0.000	0.517	0.62	1.10	0.68
30.95	124.01	1.832	61.61	0.920	0.92	0.000	0.517	0.62	1.10	0.68
31.00	124.06	1.835	61.66	0.921	0.92	0.000	0.517	0.62	1.10	0.68
31.05	124.11	1.838	61.71	0.923	0.92	0.000	0.517	0.62	1.10	0.68
31.10	124.16	1.841	61.76	0.924	0.92	0.000	0.517	0.62	1.10	0.68
31.15	124.20	1.844	61.80	0.926	0.92	0.000	0.517	0.62	1.10	0.68
31.20	124.25	1.847	61.85	0.927	0.92	0.000	0.517	0.62	1.10	0.68
31.25	124.30	1.850	61.90	0.929	0.92	0.000	0.517	0.62	1.10	0.68
31.30	124.35	1.853	61.95	0.930	0.92	0.000	0.517	0.62	1.10	0.68
31.35	124.40	1.856	62.00	0.932	0.92	0.000	0.517	0.62	1.10	0.68
31.40	124.44	1.859	62.04	0.933	0.92	0.000	0.517	0.61	1.10	0.68
31.45	124.49	1.862	62.09	0.934	0.92	0.000	0.517	0.61	1.10	0.68
31.50	124.54	1.865	62.14	0.936	0.92	0.000	0.517	0.61	1.10	0.68
31.55	124.59	1.868	62.19	0.937	0.92	0.000	0.517	0.61	1.10	0.68
31.60	124.64	1.871	62.24	0.939	0.92	0.000	0.517	0.61	1.10	0.68
31.65	124.68	1.874	62.28	0.940	0.92	0.000	0.517	0.61	1.10	0.67
31.70	124.73	1.877	62.33	0.942	0.92	0.000	0.517	0.61	1.10	0.67
31.75	124.78	1.879	62.38	0.943	0.92	0.000	0.517	0.61	1.10	0.67
31.80	124.83	1.882	62.43	0.945	0.92	0.000	0.517	0.61	1.10	0.67
31.85	124.88	1.885	62.48	0.946	0.91	0.000	0.517	0.61	1.10	0.67
31.90	124.92	1.888	62.52	0.948	0.91	0.000	0.517	0.61	1.10	0.67
31.95	124.97	1.891	62.57	0.949	0.91	0.000	0.517	0.61	1.10	0.67
32.00	125.02	1.894	62.62	0.951	0.91	0.000	0.517	0.61	1.10	0.67
32.05	125.07	1.897	62.67	0.952	0.91	0.000	0.517	0.61	1.10	0.67
32.10	125.12	1.900	62.72	0.954	0.91	0.000	0.517	0.61	1.10	0.67
32.15	125.16	1.903	62.76	0.955	0.91	0.000	0.517	0.61	1.10	0.67
32.20	125.21	1.906	62.81	0.957	0.91	0.000	0.517	0.61	1.10	0.67

32.25	125.26	1.909	62.86	0.958	0.91	0.000	0.517	0.61	1.10	0.67
32.30	125.31	1.912	62.91	0.960	0.91	0.000	0.517	0.61	1.10	0.67
32.35	125.36	1.915	62.96	0.961	0.91	0.000	0.517	0.61	1.10	0.67
32.40	125.40	1.918	63.00	0.963	0.91	0.000	0.517	0.61	1.10	0.67
32.45	125.45	1.921	63.05	0.964	0.91	0.000	0.517	0.61	1.10	0.67
32.50	125.50	1.924	63.10	0.965	0.91	0.000	0.517	0.61	1.10	0.67
32.55	125.55	1.927	63.15	0.967	0.91	0.000	0.517	0.61	1.10	0.67
32.60	125.60	1.930	63.20	0.968	0.91	0.000	0.517	0.61	1.10	0.67
32.65	125.64	1.933	63.24	0.970	0.91	0.000	0.517	0.61	1.10	0.67
32.70	125.69	1.936	63.29	0.971	0.91	0.000	0.517	0.61	1.10	0.67
32.75	125.74	1.939	63.34	0.973	0.91	0.000	0.517	0.61	1.10	0.67
32.80	125.79	1.942	63.39	0.974	0.91	0.000	0.517	0.61	1.10	0.67
32.85	125.84	1.945	63.44	0.976	0.91	0.000	0.517	0.61	1.10	0.67
32.90	125.88	1.948	63.48	0.977	0.91	0.000	0.517	0.61	1.10	0.67
32.95	125.93	1.951	63.53	0.979	0.91	0.000	0.517	0.61	1.10	0.67
33.00	125.98	1.954	63.58	0.980	0.91	0.000	0.517	0.61	1.10	0.67
33.05	126.03	1.956	63.63	0.982	0.91	0.000	0.517	0.61	1.10	0.67
33.10	126.08	1.959	63.68	0.983	0.90	0.000	0.517	0.61	1.10	0.67
33.15	126.12	1.962	63.72	0.985	0.90	0.000	0.517	0.61	1.10	0.67
33.20	126.17	1.965	63.77	0.986	0.90	0.000	0.517	0.61	1.10	0.67
33.25	126.22	1.968	63.82	0.988	0.90	0.000	0.517	0.60	1.10	0.67
33.30	126.27	1.971	63.87	0.989	0.90	0.000	0.517	0.60	1.10	0.67
33.35	126.32	1.974	63.92	0.991	0.90	0.000	0.517	0.60	1.10	0.66
33.40	126.36	1.977	63.96	0.992	0.90	0.000	0.517	0.60	1.10	0.66
33.45	126.41	1.980	64.01	0.994	0.90	0.000	0.517	0.60	1.10	0.66
33.50	126.46	1.983	64.06	0.996	0.90	0.000	0.517	0.60	1.10	0.66
33.55	126.51	1.986	64.11	0.997	0.90	0.000	0.517	0.60	1.10	0.66
33.60	126.56	1.989	64.16	0.999	0.90	0.000	0.517	0.60	1.10	0.66
33.65	126.60	1.992	64.20	1.000	0.90	0.000	0.517	0.60	1.10	0.66
33.70	126.65	1.995	64.25	1.002	0.90	0.000	0.517	0.60	1.10	0.66
33.75	126.70	1.998	64.30	1.003	0.90	0.000	0.517	0.60	1.10	0.66
33.80	126.75	2.001	64.35	1.005	0.90	0.000	0.517	0.60	1.10	0.66
33.85	126.80	2.004	64.40	1.006	0.90	0.000	0.517	0.60	1.10	0.66
33.90	126.84	2.007	64.44	1.008	0.90	0.000	0.517	0.60	1.10	0.66
33.95	126.89	2.010	64.49	1.009	0.90	0.000	0.517	0.60	1.10	0.66
34.00	126.94	2.013	64.54	1.011	0.90	0.000	0.517	0.60	1.10	0.66
34.05	126.99	2.016	64.59	1.012	0.90	0.000	0.517	0.60	1.10	0.66
34.10	127.04	2.019	64.64	1.014	0.90	0.000	0.517	0.60	1.10	0.66
34.15	127.08	2.022	64.68	1.015	0.90	0.000	0.517	0.60	1.10	0.66
34.20	127.13	2.025	64.73	1.017	0.90	0.000	0.517	0.60	1.10	0.66
34.25	127.18	2.028	64.78	1.018	0.90	0.000	0.517	0.60	1.10	0.66
34.30	127.23	2.031	64.83	1.020	0.89	0.000	0.517	0.60	1.10	0.66
34.35	127.28	2.034	64.88	1.021	0.89	0.000	0.517	0.60	1.10	0.66
34.40	127.32	2.037	64.92	1.023	0.89	0.000	0.517	0.60	1.10	0.66
34.45	127.37	2.040	64.97	1.024	0.89	0.000	0.517	0.60	1.10	0.66
34.50	127.42	2.043	65.02	1.026	0.89	0.000	0.517	0.60	1.10	0.66
34.55	127.47	2.046	65.07	1.028	0.89	0.000	0.517	0.60	1.10	0.66
34.60	127.52	2.049	65.12	1.029	0.89	0.000	0.517	0.60	1.10	0.66
34.65	127.56	2.052	65.16	1.031	0.89	0.000	0.517	0.60	1.10	0.66
34.70	127.61	2.055	65.21	1.032	0.89	0.000	0.517	0.60	1.10	0.66
34.75	127.66	2.058	65.26	1.034	0.89	0.000	0.517	0.60	1.10	0.66
34.80	127.71	2.061	65.31	1.035	0.89	0.000	0.517	0.60	1.10	0.66
34.85	127.76	2.064	65.36	1.037	0.89	0.000	0.517	0.60	1.10	0.66
34.90	127.80	2.067	65.40	1.038	0.89	0.000	0.517	0.60	1.10	0.66
34.95	127.85	2.070	65.45	1.040	0.89	0.000	0.517	0.60	1.10	0.65
35.00	127.90	2.073	65.50	1.041	0.89	0.000	0.517	0.59	1.10	0.65
35.05	127.87	2.076	65.47	1.043	0.89	0.000	0.517	0.59	1.10	0.65
35.10	127.85	2.079	65.45	1.045	0.89	0.000	0.517	0.59	1.10	0.65
35.15	127.82	2.083	65.42	1.046	0.89	0.000	0.517	0.59	1.10	0.65
35.20	127.79	2.086	65.39	1.048	0.89	0.000	0.517	0.59	1.10	0.65
35.25	127.77	2.089	65.37	1.049	0.89	0.000	0.517	0.59	1.10	0.65
35.30	127.74	2.092	65.34	1.051	0.89	0.000	0.517	0.59	1.10	0.65
35.35	127.71	2.095	65.31	1.052	0.89	0.000	0.517	0.59	1.10	0.65
35.40	127.68	2.098	65.28	1.054	0.89	0.000	0.517	0.59	1.10	0.65
35.45	127.66	2.101	65.26	1.055	0.89	0.000	0.517	0.59	1.10	0.65
35.50	127.63	2.104	65.23	1.057	0.89	0.000	0.517	0.59	1.10	0.65
35.55	127.60	2.107	65.20	1.058	0.88	0.000	0.517	0.59	1.10	0.65
35.60	127.58	2.110	65.18	1.060	0.88	0.000	0.517	0.59	1.10	0.65
35.65	127.55	2.113	65.15	1.061	0.88	0.000	0.517	0.59	1.10	0.65
35.70	127.52	2.116	65.12	1.063	0.88	0.000	0.517	0.59	1.10	0.65
35.75	127.50	2.119	65.10	1.065	0.88	0.000	0.517	0.59	1.10	0.65
35.80	127.47	2.122	65.07	1.066	0.88	0.000	0.517	0.59	1.10	0.65
35.85	127.44	2.125	65.04	1.068	0.88	0.000	0.517	0.59	1.10	0.65

35.90	127.41	2.128	65.01	1.069	0.88	0.000	0.517	0.59	1.10	0.65
35.95	127.39	2.131	64.99	1.071	0.88	0.000	0.517	0.59	1.10	0.65
36.00	127.36	2.134	64.96	1.072	0.88	0.000	0.517	0.59	1.10	0.65
36.05	127.33	2.137	64.93	1.074	0.88	0.000	0.517	0.59	1.10	0.65
36.10	127.31	2.140	64.91	1.075	0.88	0.000	0.517	0.59	1.10	0.65
36.15	127.28	2.143	64.88	1.077	0.88	0.000	0.517	0.59	1.10	0.65
36.20	127.25	2.146	64.85	1.078	0.88	0.000	0.517	0.59	1.10	0.65
36.25	127.23	2.149	64.83	1.080	0.88	0.000	0.517	0.59	1.10	0.65
36.30	127.20	2.152	64.80	1.081	0.88	0.000	0.517	0.59	1.10	0.65
36.35	127.17	2.155	64.77	1.083	0.88	0.000	0.517	0.59	1.10	0.65
36.40	127.14	2.158	64.74	1.085	0.88	0.000	0.517	0.59	1.10	0.65
36.45	127.12	2.161	64.72	1.086	0.88	0.000	0.517	0.59	1.10	0.65
36.50	127.09	2.164	64.69	1.088	0.88	0.000	0.517	0.59	1.10	0.64
36.55	127.06	2.167	64.66	1.089	0.88	0.000	0.517	0.59	1.10	0.64
36.60	127.04	2.170	64.64	1.091	0.88	0.000	0.517	0.59	1.10	0.64
36.65	127.01	2.173	64.61	1.092	0.88	0.000	0.517	0.59	1.10	0.64
36.70	126.98	2.176	64.58	1.094	0.88	0.000	0.517	0.59	1.10	0.64
36.75	126.96	2.179	64.56	1.095	0.87	0.000	0.517	0.58	1.10	0.64
36.80	126.93	2.182	64.53	1.097	0.87	0.000	0.517	0.58	1.10	0.64
36.85	126.90	2.185	64.50	1.098	0.87	0.000	0.517	0.58	1.10	0.64
36.90	126.87	2.188	64.47	1.100	0.87	0.000	0.517	0.58	1.10	0.64
36.95	126.85	2.191	64.45	1.101	0.87	0.000	0.517	0.58	1.10	0.64
37.00	126.82	2.194	64.42	1.103	0.87	0.000	0.517	0.58	1.10	0.64
37.05	126.79	2.197	64.39	1.104	0.87	0.000	0.517	0.58	1.10	0.64
37.10	126.77	2.200	64.37	1.106	0.87	0.000	0.517	0.58	1.10	0.64
37.15	126.74	2.203	64.34	1.107	0.87	0.000	0.517	0.58	1.10	0.64
37.20	126.71	2.206	64.31	1.109	0.87	0.000	0.517	0.58	1.10	0.64
37.25	126.69	2.209	64.29	1.110	0.87	0.000	0.517	0.58	1.10	0.64
37.30	126.66	2.212	64.26	1.112	0.87	0.000	0.517	0.58	1.10	0.64
37.35	126.63	2.215	64.23	1.113	0.87	0.000	0.517	0.58	1.10	0.64
37.40	126.60	2.218	64.20	1.115	0.87	0.000	0.517	0.58	1.10	0.64
37.45	126.58	2.221	64.18	1.116	0.87	0.000	0.517	0.58	1.10	0.64
37.50	126.55	2.224	64.15	1.118	0.87	0.000	0.517	0.58	1.10	0.64
37.55	126.52	2.227	64.12	1.120	0.87	0.000	0.517	0.58	1.10	0.64
37.60	126.50	2.230	64.10	1.121	0.87	0.000	0.517	0.58	1.10	0.64
37.65	126.47	2.233	64.07	1.123	0.87	0.000	0.517	0.58	1.10	0.64
37.70	126.44	2.236	64.04	1.124	0.87	0.000	0.517	0.58	1.10	0.64
37.75	126.42	2.239	64.02	1.126	0.87	0.000	0.517	0.58	1.10	0.64
37.80	126.39	2.242	63.99	1.127	0.87	0.000	0.517	0.58	1.10	0.64
37.85	126.36	2.245	63.96	1.129	0.87	0.000	0.517	0.58	1.10	0.64
37.90	126.33	2.248	63.93	1.130	0.87	0.000	0.517	0.58	1.10	0.64
37.95	126.31	2.251	63.91	1.132	0.87	0.000	0.517	0.58	1.10	0.64
38.00	126.28	2.254	63.88	1.133	0.86	0.000	0.517	0.58	1.10	0.64
38.05	126.25	2.257	63.85	1.135	0.86	0.000	0.517	0.58	1.10	0.64
38.10	126.23	2.260	63.83	1.136	0.86	0.000	0.517	0.58	1.10	0.64
38.15	126.20	2.263	63.80	1.138	0.86	0.000	0.517	0.58	1.10	0.63
38.20	126.17	2.266	63.77	1.139	0.86	0.000	0.517	0.58	1.10	0.63
38.25	126.15	2.269	63.75	1.141	0.86	0.000	0.517	0.58	1.10	0.63
38.30	126.12	2.272	63.72	1.142	0.86	0.000	0.517	0.58	1.10	0.63
38.35	126.09	2.275	63.69	1.144	0.86	0.000	0.517	0.58	1.10	0.63
38.40	126.06	2.277	63.66	1.145	0.86	0.000	0.517	0.58	1.10	0.63
38.45	126.04	2.280	63.64	1.147	0.86	0.000	0.517	0.58	1.10	0.63
38.50	126.01	2.283	63.61	1.148	0.86	0.000	0.517	0.58	1.10	0.63
38.55	125.98	2.286	63.58	1.150	0.86	0.000	0.517	0.57	1.10	0.63
38.60	125.96	2.289	63.56	1.151	0.86	0.000	0.517	0.57	1.10	0.63
38.65	125.93	2.292	63.53	1.153	0.86	0.000	0.517	0.57	1.10	0.63
38.70	125.90	2.295	63.50	1.154	0.86	0.000	0.517	0.57	1.10	0.63
38.75	125.88	2.298	63.48	1.156	0.86	0.000	0.517	0.57	1.10	0.63
38.80	125.85	2.301	63.45	1.157	0.86	0.000	0.517	0.57	1.10	0.63
38.85	125.82	2.304	63.42	1.159	0.86	0.000	0.517	0.57	1.10	0.63
38.90	125.79	2.307	63.39	1.160	0.86	0.000	0.517	0.57	1.10	0.63
38.95	125.77	2.310	63.37	1.162	0.86	0.000	0.517	0.57	1.10	0.63
39.00	125.74	2.313	63.34	1.163	0.86	0.000	0.517	0.57	1.10	0.63
39.05	125.71	2.316	63.31	1.165	0.86	0.000	0.517	0.57	1.10	0.63
39.10	125.69	2.319	63.29	1.166	0.86	0.000	0.517	0.57	1.10	0.63
39.15	125.66	2.322	63.26	1.168	0.86	0.000	0.517	0.57	1.10	0.63
39.20	125.63	2.325	63.23	1.169	0.86	0.000	0.517	0.57	1.10	0.63
39.25	125.61	2.328	63.21	1.171	0.85	0.000	0.517	0.57	1.10	0.63
39.30	125.58	2.331	63.18	1.172	0.85	0.000	0.517	0.57	1.10	0.63
39.35	125.55	2.334	63.15	1.174	0.85	0.000	0.517	0.57	1.10	0.63
39.40	125.52	2.337	63.12	1.175	0.85	0.000	0.517	0.57	1.10	0.63
39.45	125.50	2.340	63.10	1.177	0.85	0.000	0.517	0.57	1.10	0.63
39.50	125.47	2.343	63.07	1.178	0.85	0.000	0.517	0.57	1.10	0.63

39.55	125.44	2.346	63.04	1.180	0.85	0.000	0.517	0.57	1.10	0.63
39.60	125.42	2.349	63.02	1.181	0.85	0.000	0.517	0.57	1.10	0.63
39.65	125.39	2.352	62.99	1.183	0.85	0.000	0.517	0.57	1.10	0.63
39.70	125.36	2.355	62.96	1.184	0.85	0.000	0.517	0.57	1.10	0.63
39.75	125.34	2.358	62.94	1.186	0.85	0.000	0.517	0.57	1.10	0.63
39.80	125.31	2.361	62.91	1.187	0.85	0.000	0.517	0.57	1.10	0.62
39.85	125.28	2.364	62.88	1.189	0.85	0.000	0.517	0.57	1.10	0.62
39.90	125.25	2.367	62.85	1.190	0.85	0.000	0.517	0.57	1.10	0.62
39.95	125.23	2.370	62.83	1.192	0.85	0.000	0.517	0.57	1.10	0.62
40.00	125.20	2.372	62.80	1.193	0.85	0.000	0.517	0.57	1.10	0.62
40.05	125.34	2.375	62.94	1.194	0.85	0.000	0.517	0.57	1.10	0.62
40.10	125.48	2.378	63.08	1.196	0.85	0.000	0.517	0.57	1.10	0.62
40.15	125.62	2.381	63.22	1.197	0.85	0.000	0.517	0.57	1.10	0.62
40.20	125.76	2.384	63.36	1.199	0.85	0.000	0.517	0.57	1.10	0.62
40.25	125.90	2.387	63.50	1.200	0.85	0.000	0.517	0.57	1.10	0.62
40.30	126.04	2.390	63.64	1.202	0.85	0.000	0.517	0.57	1.10	0.62
40.35	126.18	2.393	63.78	1.203	0.85	0.000	0.517	0.57	1.10	0.62
40.40	126.32	2.396	63.92	1.205	0.85	0.000	0.517	0.56	1.10	0.62
40.45	126.46	2.399	64.06	1.206	0.84	0.000	0.517	0.56	1.10	0.62
40.50	126.60	2.402	64.20	1.208	0.84	0.000	0.517	0.56	1.10	0.62
40.55	126.74	2.405	64.34	1.210	0.84	0.000	0.517	0.56	1.10	0.62
40.60	126.88	2.408	64.48	1.211	0.84	0.000	0.517	0.56	1.10	0.62
40.65	127.02	2.411	64.62	1.213	0.84	0.000	0.517	0.56	1.10	0.62
40.70	127.16	2.414	64.76	1.214	0.84	0.000	0.517	0.56	1.10	0.62
40.75	127.30	2.417	64.90	1.216	0.84	0.000	0.517	0.56	1.10	0.62
40.80	127.44	2.420	65.04	1.217	0.84	0.000	0.517	0.56	1.10	0.62
40.85	127.58	2.423	65.18	1.219	0.84	0.000	0.517	0.56	1.10	0.62
40.90	127.72	2.426	65.32	1.220	0.84	0.000	0.517	0.56	1.10	0.62
40.95	127.86	2.429	65.46	1.222	0.84	0.000	0.517	0.56	1.10	0.62
41.00	128.00	2.432	65.60	1.223	0.84	0.000	0.517	0.56	1.10	0.62
41.05	128.14	2.435	65.74	1.225	0.84	0.000	0.517	0.56	1.10	0.62
41.10	128.28	2.438	65.88	1.226	0.84	0.000	0.517	0.56	1.10	0.62
41.15	128.42	2.441	66.02	1.228	0.84	0.000	0.517	0.56	1.10	0.62
41.20	128.56	2.444	66.16	1.230	0.84	0.000	0.517	0.56	1.10	0.62
41.25	128.70	2.447	66.30	1.231	0.84	0.000	0.517	0.56	1.10	0.62
41.30	128.84	2.450	66.44	1.233	0.84	0.000	0.517	0.56	1.10	0.62
41.35	128.98	2.454	66.58	1.234	0.84	0.000	0.517	0.56	1.10	0.62
41.40	129.12	2.457	66.72	1.236	0.84	0.000	0.517	0.56	1.10	0.62
41.45	129.26	2.460	66.86	1.237	0.84	0.000	0.517	0.56	1.10	0.61
41.50	129.40	2.463	67.00	1.239	0.84	0.000	0.517	0.56	1.10	0.61
41.55	129.54	2.466	67.14	1.241	0.84	0.000	0.517	0.56	1.10	0.61
41.60	129.68	2.469	67.28	1.242	0.84	0.000	0.517	0.56	1.10	0.61
41.65	129.82	2.472	67.42	1.244	0.84	0.000	0.517	0.56	1.10	0.61
41.70	129.96	2.475	67.56	1.245	0.83	0.000	0.517	0.56	1.10	0.61
41.75	130.10	2.478	67.70	1.247	0.83	0.000	0.517	0.56	1.10	0.61
41.80	130.24	2.481	67.84	1.249	0.83	0.000	0.517	0.56	1.10	0.61
41.85	130.38	2.484	67.98	1.250	0.83	0.000	0.517	0.56	1.10	0.61
41.90	130.52	2.487	68.12	1.252	0.83	0.000	0.517	0.56	1.10	0.61
41.95	130.66	2.490	68.26	1.253	0.83	0.000	0.517	0.56	1.10	0.61
42.00	130.80	2.493	68.40	1.255	0.83	0.000	0.517	0.56	1.10	0.61
42.05	130.94	2.496	68.54	1.257	0.83	0.000	0.517	0.56	1.10	0.61
42.10	131.08	2.500	68.68	1.258	0.83	0.000	0.517	0.56	1.10	0.61
42.15	131.22	2.503	68.82	1.260	0.83	0.000	0.517	0.55	1.10	0.61
42.20	131.36	2.506	68.96	1.261	0.83	0.000	0.517	0.55	1.10	0.61
42.25	131.50	2.509	69.10	1.263	0.83	0.000	0.517	0.55	1.10	0.61
42.30	131.64	2.512	69.24	1.265	0.83	0.000	0.517	0.55	1.10	0.61
42.35	131.78	2.515	69.38	1.266	0.83	0.000	0.517	0.55	1.10	0.61
42.40	131.92	2.518	69.52	1.268	0.83	0.000	0.517	0.55	1.10	0.61
42.45	132.06	2.521	69.66	1.270	0.83	0.000	0.517	0.55	1.10	0.61
42.50	132.20	2.524	69.80	1.271	0.83	0.000	0.517	0.55	1.10	0.61
42.55	132.34	2.528	69.94	1.273	0.83	0.000	0.517	0.55	1.10	0.61
42.60	132.48	2.531	70.08	1.275	0.83	0.000	0.517	0.55	1.10	0.61
42.65	132.62	2.534	70.22	1.276	0.83	0.000	0.517	0.55	1.10	0.61
42.70	132.76	2.537	70.36	1.278	0.83	0.000	0.517	0.55	1.10	0.61
42.75	132.90	2.540	70.50	1.280	0.83	0.000	0.517	0.55	1.10	0.61
42.80	133.04	2.543	70.64	1.281	0.83	0.000	0.517	0.55	1.10	0.61
42.85	133.18	2.546	70.78	1.283	0.83	0.000	0.517	0.55	1.10	0.61
42.90	133.32	2.550	70.92	1.285	0.82	0.000	0.517	0.55	1.10	0.61
42.95	133.46	2.553	71.06	1.286	0.82	0.000	0.517	0.55	1.10	0.60
43.00	133.60	2.556	71.20	1.288	0.82	0.000	0.517	0.55	1.10	0.60
43.05	133.74	2.559	71.34	1.290	0.82	0.000	0.517	0.55	1.10	0.60
43.10	133.88	2.562	71.48	1.291	0.82	0.000	0.517	0.55	1.10	0.60
43.15	134.02	2.565	71.62	1.293	0.82	0.000	0.517	0.55	1.10	0.60

43.20	134.16	2.568	71.76	1.295	0.82	0.000	0.517	0.55	1.10	0.60
43.25	134.30	2.572	71.90	1.296	0.82	0.000	0.517	0.55	1.10	0.60
43.30	134.44	2.575	72.04	1.298	0.82	0.000	0.517	0.55	1.10	0.60
43.35	134.58	2.578	72.18	1.300	0.82	0.000	0.517	0.55	1.10	0.60
43.40	134.72	2.581	72.32	1.301	0.82	0.000	0.517	0.55	1.10	0.60
43.45	134.86	2.584	72.46	1.303	0.82	0.000	0.517	0.55	1.10	0.60
43.50	135.00	2.588	72.60	1.305	0.82	0.000	0.517	0.55	1.10	0.60
43.55	135.14	2.591	72.74	1.307	0.82	0.000	0.517	0.55	1.10	0.60
43.60	135.28	2.594	72.88	1.308	0.82	0.000	0.517	0.55	1.10	0.60
43.65	135.42	2.597	73.02	1.310	0.82	0.000	0.517	0.55	1.10	0.60
43.70	135.56	2.600	73.16	1.312	0.82	0.000	0.517	0.55	1.10	0.60
43.75	135.70	2.604	73.30	1.313	0.82	0.000	0.517	0.54	1.10	0.60
43.80	135.84	2.607	73.44	1.315	0.82	0.000	0.517	0.54	1.10	0.60
43.85	135.98	2.610	73.58	1.317	0.82	0.000	0.517	0.54	1.10	0.60
43.90	136.12	2.613	73.72	1.319	0.82	0.000	0.517	0.54	1.10	0.60
43.95	136.26	2.616	73.86	1.320	0.82	0.000	0.517	0.54	1.10	0.60
44.00	136.40	2.620	74.00	1.322	0.82	0.000	0.517	0.54	1.10	0.60
44.05	136.54	2.623	74.14	1.324	0.82	0.000	0.517	0.54	1.10	0.60
44.10	136.68	2.626	74.28	1.326	0.82	0.000	0.517	0.54	1.10	0.60
44.15	136.82	2.629	74.42	1.327	0.81	0.000	0.517	0.54	1.10	0.60
44.20	136.96	2.632	74.56	1.329	0.81	0.000	0.517	0.54	1.10	0.60
44.25	137.10	2.636	74.70	1.331	0.81	0.000	0.517	0.54	1.10	0.60
44.30	137.24	2.639	74.84	1.333	0.81	0.000	0.517	0.54	1.10	0.60
44.35	137.38	2.642	74.98	1.334	0.81	0.000	0.517	0.54	1.10	0.60
44.40	137.52	2.645	75.12	1.336	0.81	0.000	0.517	0.54	1.10	0.59
44.45	137.66	2.649	75.26	1.338	0.81	0.000	0.517	0.54	1.10	0.59
44.50	137.80	2.652	75.40	1.340	0.81	0.000	0.517	0.54	1.10	0.59
44.55	137.94	2.655	75.54	1.342	0.81	0.000	0.517	0.54	1.10	0.59
44.60	138.08	2.658	75.68	1.343	0.81	0.000	0.517	0.54	1.10	0.59
44.65	138.22	2.662	75.82	1.345	0.81	0.000	0.517	0.54	1.10	0.59
44.70	138.36	2.665	75.96	1.347	0.81	0.000	0.517	0.54	1.10	0.59
44.75	138.50	2.668	76.10	1.349	0.81	0.000	0.517	0.54	1.10	0.59
44.80	138.64	2.672	76.24	1.351	0.81	0.000	0.517	0.54	1.10	0.59
44.85	138.78	2.675	76.38	1.352	0.81	0.000	0.517	0.54	1.10	0.59
44.90	138.92	2.678	76.52	1.354	0.81	0.000	0.517	0.54	1.10	0.59
44.95	139.06	2.681	76.66	1.356	0.81	0.000	0.517	0.54	1.10	0.59
45.00	139.20	2.685	76.80	1.358	0.81	0.000	0.517	0.54	1.10	0.59
45.05	139.15	2.688	76.75	1.360	0.81	0.000	0.517	0.54	1.10	0.59
45.10	139.10	2.691	76.70	1.361	0.81	0.000	0.517	0.54	1.10	0.59
45.15	139.04	2.695	76.64	1.363	0.81	0.000	0.517	0.54	1.10	0.59
45.20	138.99	2.698	76.59	1.365	0.81	0.000	0.517	0.54	1.10	0.59
45.25	138.94	2.701	76.54	1.367	0.81	0.000	0.517	0.54	1.10	0.59
45.30	138.89	2.704	76.49	1.369	0.81	0.000	0.517	0.53	1.10	0.59
45.35	138.84	2.708	76.44	1.370	0.80	0.000	0.517	0.53	1.10	0.59
45.40	138.78	2.711	76.38	1.372	0.80	0.000	0.517	0.53	1.10	0.59
45.45	138.73	2.714	76.33	1.374	0.80	0.000	0.517	0.53	1.10	0.59
45.50	138.68	2.718	76.28	1.376	0.80	0.000	0.517	0.53	1.10	0.59
45.55	138.63	2.721	76.23	1.378	0.80	0.000	0.517	0.53	1.10	0.59
45.60	138.58	2.724	76.18	1.379	0.80	0.000	0.517	0.53	1.10	0.59
45.65	138.52	2.727	76.12	1.381	0.80	0.000	0.517	0.53	1.10	0.59
45.70	138.47	2.731	76.07	1.383	0.80	0.000	0.517	0.53	1.10	0.59
45.75	138.42	2.734	76.02	1.385	0.80	0.000	0.517	0.53	1.10	0.59
45.80	138.37	2.737	75.97	1.387	0.80	0.000	0.517	0.53	1.10	0.58
45.85	138.32	2.740	75.92	1.388	0.80	0.000	0.517	0.53	1.10	0.58
45.90	138.26	2.744	75.86	1.390	0.80	0.000	0.517	0.53	1.10	0.58
45.95	138.21	2.747	75.81	1.392	0.80	0.000	0.517	0.53	1.10	0.58
46.00	138.16	2.750	75.76	1.394	0.80	0.000	0.517	0.53	1.10	0.58
46.05	138.11	2.753	75.71	1.396	0.80	0.000	0.517	0.53	1.10	0.58
46.10	138.06	2.757	75.66	1.397	0.80	0.000	0.517	0.53	1.10	0.58
46.15	138.00	2.760	75.60	1.399	0.80	0.000	0.517	0.53	1.10	0.58
46.20	137.95	2.763	75.55	1.401	0.80	0.000	0.517	0.53	1.10	0.58
46.25	137.90	2.767	75.50	1.403	0.80	0.000	0.517	0.53	1.10	0.58
46.30	137.85	2.770	75.45	1.405	0.80	0.000	0.517	0.53	1.10	0.58
46.35	137.80	2.773	75.40	1.406	0.80	0.000	0.517	0.53	1.10	0.58
46.40	137.74	2.776	75.34	1.408	0.80	0.000	0.517	0.53	1.10	0.58
46.45	137.69	2.780	75.29	1.410	0.80	0.000	0.517	0.53	1.10	0.58
46.50	137.64	2.783	75.24	1.412	0.80	0.000	0.517	0.53	1.10	0.58
46.55	137.59	2.786	75.19	1.413	0.80	0.000	0.517	0.53	1.10	0.58
46.60	137.54	2.789	75.14	1.415	0.79	0.000	0.517	0.53	1.10	0.58
46.65	137.48	2.793	75.08	1.417	0.79	0.000	0.517	0.53	1.10	0.58
46.70	137.43	2.796	75.03	1.419	0.79	0.000	0.517	0.53	1.10	0.58
46.75	137.38	2.799	74.98	1.421	0.79	0.000	0.517	0.53	1.10	0.58
46.80	137.33	2.802	74.93	1.422	0.79	0.000	0.517	0.53	1.10	0.58

46.85	137.28	2.806	74.88	1.424	0.79	0.000	0.517	0.52	1.10	0.58
46.90	137.22	2.809	74.82	1.426	0.79	0.000	0.517	0.52	1.10	0.58
46.95	137.17	2.812	74.77	1.428	0.79	0.000	0.517	0.52	1.10	0.58
47.00	137.12	2.815	74.72	1.429	0.79	0.000	0.517	0.52	1.10	0.58
47.05	137.07	2.819	74.67	1.431	0.79	0.000	0.517	0.52	1.10	0.58
47.10	137.02	2.822	74.62	1.433	0.79	0.000	0.517	0.52	1.10	0.58
47.15	136.96	2.825	74.56	1.435	0.79	0.000	0.517	0.52	1.10	0.58
47.20	136.91	2.828	74.51	1.436	0.79	0.000	0.517	0.52	1.10	0.57
47.25	136.86	2.831	74.46	1.438	0.79	0.000	0.517	0.52	1.10	0.57
47.30	136.81	2.835	74.41	1.440	0.79	0.000	0.517	0.52	1.10	0.57
47.35	136.76	2.838	74.36	1.442	0.79	0.000	0.517	0.52	1.10	0.57
47.40	136.70	2.841	74.30	1.443	0.79	0.000	0.517	0.52	1.10	0.57
47.45	136.65	2.844	74.25	1.445	0.79	0.000	0.517	0.52	1.10	0.57
47.50	136.60	2.848	74.20	1.447	0.79	0.000	0.517	0.52	1.10	0.57
47.55	136.55	2.851	74.15	1.449	0.79	0.000	0.517	0.52	1.10	0.57
47.60	136.50	2.854	74.10	1.450	0.79	0.000	0.517	0.52	1.10	0.57
47.65	136.44	2.857	74.04	1.452	0.79	0.000	0.517	0.52	1.10	0.57
47.70	136.39	2.861	73.99	1.454	0.79	0.000	0.517	0.52	1.10	0.57
47.75	136.34	2.864	73.94	1.456	0.79	0.000	0.517	0.52	1.10	0.57
47.80	136.29	2.867	73.89	1.457	0.79	0.000	0.517	0.52	1.10	0.57
47.85	136.24	2.870	73.84	1.459	0.78	0.000	0.517	0.52	1.10	0.57
47.90	136.18	2.873	73.78	1.461	0.78	0.000	0.517	0.52	1.10	0.57
47.95	136.13	2.877	73.73	1.463	0.78	0.000	0.517	0.52	1.10	0.57
48.00	136.08	2.880	73.68	1.464	0.78	0.000	0.517	0.52	1.10	0.57
48.05	136.03	2.883	73.63	1.466	0.78	0.000	0.517	0.52	1.10	0.57
48.10	135.98	2.886	73.58	1.468	0.78	0.000	0.517	0.52	1.10	0.57
48.15	135.92	2.889	73.52	1.470	0.78	0.000	0.517	0.52	1.10	0.57
48.20	135.87	2.893	73.47	1.471	0.78	0.000	0.517	0.52	1.10	0.57
48.25	135.82	2.896	73.42	1.473	0.78	0.000	0.517	0.52	1.10	0.57
48.30	135.77	2.899	73.37	1.475	0.78	0.000	0.517	0.52	1.10	0.57
48.35	135.72	2.902	73.32	1.477	0.78	0.000	0.517	0.52	1.10	0.57
48.40	135.66	2.906	73.26	1.478	0.78	0.000	0.517	0.52	1.10	0.57
48.45	135.61	2.909	73.21	1.480	0.78	0.000	0.517	0.51	1.10	0.57
48.50	135.56	2.912	73.16	1.482	0.78	0.000	0.517	0.51	1.10	0.57
48.55	135.51	2.915	73.11	1.484	0.78	0.000	0.517	0.51	1.10	0.57
48.60	135.46	2.918	73.06	1.485	0.78	0.000	0.517	0.51	1.10	0.57
48.65	135.40	2.922	73.00	1.487	0.78	0.000	0.517	0.51	1.10	0.57
48.70	135.35	2.925	72.95	1.489	0.78	0.000	0.517	0.51	1.10	0.56
48.75	135.30	2.928	72.90	1.490	0.78	0.000	0.517	0.51	1.10	0.56
48.80	135.25	2.931	72.85	1.492	0.78	0.000	0.517	0.51	1.10	0.56
48.85	135.20	2.934	72.80	1.494	0.78	0.000	0.517	0.51	1.10	0.56
48.90	135.14	2.938	72.74	1.496	0.78	0.000	0.517	0.51	1.10	0.56
48.95	135.09	2.941	72.69	1.497	0.78	0.000	0.517	0.51	1.10	0.56
49.00	135.04	2.944	72.64	1.499	0.78	0.000	0.517	0.51	1.10	0.56
49.05	134.99	2.947	72.59	1.501	0.77	0.000	0.517	0.51	1.10	0.56
49.10	134.94	2.950	72.54	1.502	0.77	0.000	0.517	0.51	1.10	0.56
49.15	134.88	2.953	72.48	1.504	0.77	0.000	0.517	0.51	1.10	0.56
49.20	134.83	2.957	72.43	1.506	0.77	0.000	0.517	0.51	1.10	0.56
49.25	134.78	2.960	72.38	1.508	0.77	0.000	0.517	0.51	1.10	0.56
49.30	134.73	2.963	72.33	1.509	0.77	0.000	0.517	0.51	1.10	0.56
49.35	134.68	2.966	72.28	1.511	0.77	0.000	0.517	0.51	1.10	0.56
49.40	134.62	2.969	72.22	1.513	0.77	0.000	0.517	0.51	1.10	0.56
49.45	134.57	2.973	72.17	1.514	0.77	0.000	0.517	0.51	1.10	0.56
49.50	134.52	2.976	72.12	1.516	0.77	0.000	0.517	0.51	1.10	0.56
49.55	134.47	2.979	72.07	1.518	0.77	0.000	0.517	0.51	1.10	0.56
49.60	134.42	2.982	72.02	1.520	0.77	0.000	0.517	0.51	1.10	0.56
49.65	134.36	2.985	71.96	1.521	0.77	0.000	0.517	0.51	1.10	0.56
49.70	134.31	2.988	71.91	1.523	0.77	0.000	0.517	0.51	1.10	0.56
49.75	134.26	2.992	71.86	1.525	0.77	0.000	0.517	0.51	1.10	0.56
49.80	134.21	2.995	71.81	1.526	0.77	0.000	0.517	0.51	1.10	0.56
49.85	134.16	2.998	71.76	1.528	0.77	0.000	0.517	0.51	1.10	0.56
49.90	134.10	3.001	71.70	1.530	0.77	0.000	0.517	0.51	1.10	0.56
49.95	134.05	3.004	71.65	1.531	0.77	0.000	0.517	0.51	1.10	0.56
50.00	134.00	3.007	71.60	1.533	0.77	0.000	0.517	0.51	1.10	0.56
50.05	133.73	3.011	71.33	1.535	0.77	0.000	0.517	0.51	1.10	0.56
50.10	133.46	3.014	71.06	1.537	0.77	0.000	0.517	0.51	1.10	0.56
50.15	133.19	3.017	70.79	1.538	0.77	0.000	0.517	0.50	1.10	0.56
50.20	132.92	3.020	70.52	1.540	0.77	0.000	0.517	0.50	1.10	0.55
50.25	132.65	3.023	70.25	1.542	0.77	0.000	0.517	0.50	1.10	0.55
50.30	132.38	3.026	69.98	1.543	0.76	0.000	0.517	0.50	1.10	0.55
50.35	132.11	3.030	69.71	1.545	0.76	0.000	0.517	0.50	1.10	0.55
50.40	131.83	3.033	69.43	1.546	0.76	0.000	0.517	0.50	1.10	0.55
50.45	131.56	3.036	69.16	1.548	0.76	0.000	0.517	0.50	1.10	0.55

50.50	131.29	3.039	68.89	1.550	0.76	0.000	0.517	0.50	1.10	0.55
50.55	131.02	3.042	68.62	1.551	0.76	0.000	0.517	0.50	1.10	0.55
50.60	130.75	3.045	68.35	1.553	0.76	0.000	0.517	0.50	1.10	0.55
50.65	130.48	3.048	68.08	1.555	0.76	0.000	0.517	0.50	1.10	0.55
50.70	130.21	3.051	67.81	1.556	0.76	0.000	0.517	0.50	1.10	0.55
50.75	129.94	3.054	67.54	1.558	0.76	0.000	0.517	0.50	1.10	0.55
50.80	129.67	3.057	67.27	1.559	0.76	0.000	0.517	0.50	1.10	0.55
50.85	129.40	3.060	67.00	1.561	0.76	0.000	0.517	0.50	1.10	0.55
50.90	129.12	3.063	66.72	1.563	0.76	0.000	0.517	0.50	1.10	0.55
50.95	128.85	3.067	66.45	1.564	0.76	0.000	0.517	0.50	1.10	0.55
51.00	128.58	3.070	66.18	1.566	0.76	0.000	0.517	0.50	1.10	0.55
51.05	128.31	3.073	65.91	1.567	0.76	0.000	0.517	0.50	1.10	0.55
51.10	128.04	3.076	65.64	1.569	0.76	0.000	0.517	0.50	1.10	0.55
51.15	127.77	3.079	65.37	1.570	0.76	0.000	0.517	0.50	1.10	0.55
51.20	127.50	3.082	65.10	1.572	0.76	0.000	0.517	0.50	1.10	0.55
51.25	127.23	3.085	64.83	1.574	0.76	0.000	0.517	0.50	1.10	0.55
51.30	126.96	3.088	64.56	1.575	0.76	0.000	0.517	0.50	1.10	0.55
51.35	126.69	3.091	64.29	1.577	0.76	0.000	0.517	0.50	1.10	0.55
51.40	126.41	3.094	64.01	1.578	0.76	0.000	0.517	0.50	1.10	0.55
51.45	126.14	3.097	63.74	1.580	0.76	0.000	0.517	0.50	1.10	0.55
51.50	125.87	3.100	63.47	1.581	0.75	0.000	0.517	0.50	1.10	0.55
51.55	125.60	3.103	63.20	1.583	0.75	0.000	0.517	0.50	1.10	0.55
51.60	125.33	3.106	62.93	1.584	0.75	0.000	0.517	0.50	1.10	0.55
51.65	125.06	3.109	62.66	1.586	0.75	0.000	0.517	0.50	1.10	0.55
51.70	124.79	3.112	62.39	1.587	0.75	0.000	0.517	0.50	1.10	0.55
51.75	124.52	3.114	62.12	1.589	0.75	0.000	0.517	0.50	1.10	0.55
51.80	124.25	3.117	61.85	1.590	0.75	0.000	0.517	0.50	1.10	0.55
51.85	123.98	3.120	61.58	1.591	0.75	0.000	0.517	0.50	1.10	0.55
51.90	123.70	3.123	61.30	1.593	0.75	0.000	0.517	0.50	1.10	0.54
51.95	123.43	3.126	61.03	1.594	0.75	0.000	0.517	0.50	1.10	0.54
52.00	123.16	3.129	60.76	1.596	0.75	0.000	0.517	0.49	1.10	0.54
52.05	122.89	3.132	60.49	1.597	0.75	0.000	0.517	0.49	1.10	0.54
52.10	122.62	3.135	60.22	1.599	0.75	0.000	0.517	0.49	1.10	0.54
52.15	122.35	3.138	59.95	1.600	0.75	0.000	0.517	0.49	1.10	0.54
52.20	122.08	3.141	59.68	1.602	0.75	0.000	0.517	0.49	1.10	0.54
52.25	121.81	3.144	59.41	1.603	0.75	0.000	0.517	0.49	1.10	0.54
52.30	121.54	3.146	59.14	1.604	0.75	0.000	0.517	0.49	1.10	0.54
52.35	121.27	3.149	58.87	1.606	0.75	0.000	0.517	0.49	1.10	0.54
52.40	120.99	3.152	58.59	1.607	0.75	0.000	0.517	0.49	1.10	0.54
52.45	120.72	3.155	58.32	1.609	0.75	0.000	0.517	0.49	1.10	0.54
52.50	120.45	3.158	58.05	1.610	0.75	0.000	0.517	0.49	1.10	0.54
52.55	120.18	3.161	57.78	1.611	0.75	0.000	0.517	0.49	1.10	0.54
52.60	119.91	3.164	57.51	1.613	0.75	0.000	0.517	0.49	1.10	0.54
52.65	119.64	3.166	57.24	1.614	0.75	0.000	0.517	0.49	1.10	0.54
52.70	119.37	3.169	56.97	1.615	0.75	0.000	0.517	0.49	1.10	0.54
52.75	119.10	3.172	56.70	1.617	0.74	0.000	0.517	0.49	1.10	0.54
52.80	118.83	3.175	56.43	1.618	0.74	0.000	0.517	0.49	1.10	0.54
52.85	118.56	3.178	56.16	1.619	0.74	0.000	0.517	0.49	1.10	0.54
52.90	118.28	3.181	55.88	1.621	0.74	0.000	0.517	0.49	1.10	0.54
52.95	118.01	3.183	55.61	1.622	0.74	0.000	0.517	0.49	1.10	0.54
53.00	117.74	3.186	55.34	1.623	0.74	0.000	0.517	0.49	1.10	0.54
53.05	117.47	3.189	55.07	1.625	0.74	0.000	0.517	0.49	1.10	0.54
53.10	117.20	3.192	54.80	1.626	0.74	0.000	0.517	0.49	1.10	0.54
53.15	116.93	3.194	54.53	1.627	0.74	0.000	0.517	0.49	1.10	0.54
53.20	116.66	3.197	54.26	1.629	0.74	0.000	0.517	0.49	1.10	0.54
53.25	116.39	3.200	53.99	1.630	0.74	0.000	0.517	0.49	1.10	0.54
53.30	116.12	3.203	53.72	1.631	0.74	0.000	0.517	0.49	1.10	0.54
53.35	115.85	3.205	53.45	1.632	0.74	0.000	0.517	0.49	1.10	0.54
53.40	115.57	3.208	53.17	1.634	0.74	0.000	0.517	0.49	1.10	0.54
53.45	115.30	3.211	52.90	1.635	0.74	0.000	0.517	0.49	1.10	0.54
53.50	115.03	3.214	52.63	1.636	0.74	0.000	0.517	0.49	1.10	0.54
53.55	114.76	3.216	52.36	1.637	0.74	0.000	0.517	0.49	1.10	0.54
53.60	114.49	3.219	52.09	1.639	0.74	0.000	0.517	0.49	1.10	0.54
53.65	114.22	3.222	51.82	1.640	0.74	0.000	0.517	0.49	1.10	0.54
53.70	113.95	3.224	51.55	1.641	0.74	0.000	0.517	0.49	1.10	0.54
53.75	113.68	3.227	51.28	1.642	0.74	0.000	0.517	0.49	1.10	0.54
53.80	113.41	3.230	51.01	1.643	0.74	0.000	0.517	0.49	1.10	0.53
53.85	113.14	3.233	50.74	1.645	0.74	0.000	0.517	0.49	1.10	0.53
53.90	112.87	3.235	50.47	1.646	0.74	0.000	0.517	0.49	1.10	0.53
53.95	112.59	3.238	50.19	1.647	0.73	0.000	0.517	0.49	1.10	0.53
54.00	112.32	3.241	49.92	1.648	0.73	0.000	0.517	0.49	1.10	0.53
54.05	112.05	3.243	49.65	1.649	0.73	0.000	0.517	0.49	1.10	0.53
54.10	111.78	3.246	49.38	1.651	0.73	0.000	0.517	0.48	1.10	0.53

54.15	111.51	3.248	49.11	1.652	0.73	0.000	0.517	0.48	1.10	0.53
54.20	111.24	3.251	48.84	1.653	0.73	0.000	0.517	0.48	1.10	0.53
54.25	110.97	3.254	48.57	1.654	0.73	0.000	0.517	0.48	1.10	0.53
54.30	110.70	3.256	48.30	1.655	0.73	0.000	0.517	0.48	1.10	0.53
54.35	110.43	3.259	48.03	1.656	0.73	0.000	0.517	0.48	1.10	0.53
54.40	110.16	3.262	47.76	1.658	0.73	0.000	0.517	0.48	1.10	0.53
54.45	109.88	3.264	47.48	1.659	0.73	0.000	0.517	0.48	1.10	0.53
54.50	109.61	3.267	47.21	1.660	0.73	0.000	0.517	0.48	1.10	0.53
54.55	109.34	3.269	46.94	1.661	0.73	0.000	0.517	0.48	1.10	0.53
54.60	109.07	3.272	46.67	1.662	0.73	0.000	0.517	0.48	1.10	0.53
54.65	108.80	3.275	46.40	1.663	0.73	0.000	0.517	0.48	1.10	0.53
54.70	108.53	3.277	46.13	1.664	0.73	0.000	0.517	0.48	1.10	0.53
54.75	108.26	3.280	45.86	1.665	0.73	0.000	0.517	0.48	1.10	0.53
54.80	107.99	3.282	45.59	1.666	0.73	0.000	0.517	0.48	1.10	0.53
54.85	107.72	3.285	45.32	1.667	0.73	0.000	0.517	0.48	1.10	0.53
54.90	107.45	3.287	45.05	1.669	0.73	0.000	0.517	0.48	1.10	0.53
54.95	107.17	3.290	44.77	1.670	0.73	0.000	0.517	0.48	1.10	0.53
55.00	106.90	3.292	44.50	1.671	0.73	0.000	0.517	0.48	1.10	0.53
55.05	106.91	3.295	44.51	1.672	0.73	0.000	0.517	0.48	1.10	0.53
55.10	106.91	3.297	44.51	1.673	0.73	0.000	0.517	0.48	1.10	0.53
55.15	106.92	3.300	44.52	1.674	0.73	0.000	0.517	0.48	1.10	0.53
55.20	106.92	3.303	44.52	1.675	0.72	0.000	0.517	0.48	1.10	0.53
55.25	106.93	3.305	44.53	1.676	0.72	0.000	0.517	0.48	1.10	0.53
55.30	106.94	3.308	44.54	1.677	0.72	0.000	0.517	0.48	1.10	0.53
55.35	106.94	3.310	44.54	1.678	0.72	0.000	0.517	0.48	1.10	0.53
55.40	106.95	3.313	44.55	1.679	0.72	0.000	0.517	0.48	1.10	0.53
55.45	106.95	3.315	44.55	1.680	0.72	0.000	0.517	0.48	1.10	0.53
55.50	106.96	3.318	44.56	1.681	0.72	0.000	0.517	0.48	1.10	0.53
55.55	106.97	3.320	44.57	1.682	0.72	0.000	0.517	0.48	1.10	0.53
55.60	106.97	3.323	44.57	1.683	0.72	0.000	0.517	0.48	1.10	0.53
55.65	106.98	3.325	44.58	1.684	0.72	0.000	0.517	0.48	1.10	0.53
55.70	106.98	3.328	44.58	1.685	0.72	0.000	0.517	0.48	1.10	0.53
55.75	106.99	3.330	44.59	1.686	0.72	0.000	0.517	0.48	1.10	0.53
55.80	107.00	3.333	44.60	1.687	0.72	0.000	0.517	0.48	1.10	0.53
55.85	107.00	3.335	44.60	1.689	0.72	0.000	0.517	0.48	1.10	0.53
55.90	107.01	3.338	44.61	1.690	0.72	0.000	0.517	0.48	1.10	0.53
55.95	107.01	3.340	44.61	1.691	0.72	0.000	0.517	0.48	1.10	0.52
56.00	107.02	3.343	44.62	1.692	0.72	0.000	0.517	0.48	1.10	0.52
56.05	107.03	3.345	44.63	1.693	0.72	0.000	0.517	0.48	1.10	0.52
56.10	107.03	3.348	44.63	1.694	0.72	0.000	0.517	0.48	1.10	0.52
56.15	107.04	3.351	44.64	1.695	0.72	0.000	0.517	0.48	1.10	0.52
56.20	107.04	3.353	44.64	1.696	0.72	0.000	0.517	0.48	1.10	0.52
56.25	107.05	3.356	44.65	1.697	0.72	0.000	0.517	0.48	1.10	0.52
56.30	107.06	3.358	44.66	1.698	0.72	0.000	0.517	0.48	1.10	0.52
56.35	107.06	3.361	44.66	1.699	0.72	0.000	0.517	0.48	1.10	0.52
56.40	107.07	3.363	44.67	1.700	0.72	0.000	0.517	0.48	1.10	0.52
56.45	107.07	3.366	44.67	1.701	0.71	0.000	0.517	0.48	1.10	0.52
56.50	107.08	3.368	44.68	1.702	0.71	0.000	0.517	0.47	1.10	0.52
56.55	107.09	3.371	44.69	1.703	0.71	0.000	0.517	0.47	1.10	0.52
56.60	107.09	3.373	44.69	1.704	0.71	0.000	0.517	0.47	1.10	0.52
56.65	107.10	3.376	44.70	1.705	0.71	0.000	0.517	0.47	1.10	0.52
56.70	107.10	3.378	44.70	1.706	0.71	0.000	0.517	0.47	1.10	0.52
56.75	107.11	3.381	44.71	1.708	0.71	0.000	0.517	0.47	1.10	0.52
56.80	107.12	3.383	44.72	1.709	0.71	0.000	0.517	0.47	1.10	0.52
56.85	107.12	3.386	44.72	1.710	0.71	0.000	0.517	0.47	1.10	0.52
56.90	107.13	3.388	44.73	1.711	0.71	0.000	0.517	0.47	1.10	0.52
56.95	107.13	3.391	44.73	1.712	0.71	0.000	0.517	0.47	1.10	0.52
57.00	107.14	3.394	44.74	1.713	0.71	0.000	0.517	0.47	1.10	0.52
57.05	107.15	3.396	44.75	1.714	0.71	0.000	0.517	0.47	1.10	0.52
57.10	107.15	3.399	44.75	1.715	0.71	0.000	0.517	0.47	1.10	0.52
57.15	107.16	3.401	44.76	1.716	0.71	0.000	0.517	0.47	1.10	0.52
57.20	107.16	3.404	44.76	1.717	0.71	0.000	0.517	0.47	1.10	0.52
57.25	107.17	3.406	44.77	1.718	0.71	0.000	0.517	0.47	1.10	0.52
57.30	107.18	3.409	44.78	1.719	0.71	0.000	0.517	0.47	1.10	0.52
57.35	107.18	3.411	44.78	1.720	0.71	0.000	0.517	0.47	1.10	0.52
57.40	107.19	3.414	44.79	1.721	0.71	0.000	0.517	0.47	1.10	0.52
57.45	107.19	3.416	44.79	1.722	0.71	0.000	0.517	0.47	1.10	0.52
57.50	107.20	3.419	44.80	1.723	0.71	0.000	0.517	0.47	1.10	0.52
57.55	107.21	3.421	44.81	1.724	0.71	0.000	0.517	0.47	1.10	0.52
57.60	107.21	3.424	44.81	1.725	0.71	0.000	0.517	0.47	1.10	0.52
57.65	107.22	3.426	44.82	1.727	0.70	0.000	0.517	0.47	1.10	0.52
57.70	107.22	3.429	44.82	1.728	0.70	0.000	0.517	0.47	1.10	0.52
57.75	107.23	3.432	44.83	1.729	0.70	0.000	0.517	0.47	1.10	0.52

57.80	107.24	3.434	44.84	1.730	0.70	0.000	0.517	0.47	1.10	0.52
57.85	107.24	3.437	44.84	1.731	0.70	0.000	0.517	0.47	1.10	0.52
57.90	107.25	3.439	44.85	1.732	0.70	0.000	0.517	0.47	1.10	0.52
57.95	107.25	3.442	44.85	1.733	0.70	0.000	0.517	0.47	1.10	0.52
58.00	107.26	3.444	44.86	1.734	0.70	0.000	0.517	0.47	1.10	0.52
58.05	107.27	3.447	44.87	1.735	0.70	0.000	0.517	0.47	1.10	0.52
58.10	107.27	3.449	44.87	1.736	0.70	0.000	0.517	0.47	1.10	0.51
58.15	107.28	3.452	44.88	1.737	0.70	0.000	0.517	0.47	1.10	0.51
58.20	107.28	3.454	44.88	1.738	0.70	0.000	0.517	0.47	1.10	0.51
58.25	107.29	3.457	44.89	1.739	0.70	0.000	0.517	0.47	1.10	0.51
58.30	107.30	3.459	44.90	1.740	0.70	0.000	0.517	0.47	1.10	0.51
58.35	107.30	3.462	44.90	1.741	0.70	0.000	0.517	0.47	1.10	0.51
58.40	107.31	3.464	44.91	1.742	0.70	0.000	0.517	0.47	1.10	0.51
58.45	107.31	3.467	44.91	1.744	0.70	0.000	0.517	0.47	1.10	0.51
58.50	107.32	3.470	44.92	1.745	0.70	0.000	0.517	0.47	1.10	0.51
58.55	107.33	3.472	44.93	1.746	0.70	0.000	0.517	0.47	1.10	0.51
58.60	107.33	3.475	44.93	1.747	0.70	0.000	0.517	0.47	1.10	0.51
58.65	107.34	3.477	44.94	1.748	0.70	0.000	0.517	0.47	1.10	0.51
58.70	107.34	3.480	44.94	1.749	0.70	0.000	0.517	0.47	1.10	0.51
58.75	107.35	3.482	44.95	1.750	0.70	0.000	0.517	0.47	1.10	0.51
58.80	107.36	3.485	44.96	1.751	0.70	0.000	0.517	0.47	1.10	0.51
58.85	107.36	3.487	44.96	1.752	0.70	0.000	0.517	0.46	1.10	0.51
58.90	107.37	3.490	44.97	1.753	0.69	0.000	0.517	0.46	1.10	0.51
58.95	107.37	3.492	44.97	1.754	0.69	0.000	0.517	0.46	1.10	0.51
59.00	107.38	3.495	44.98	1.755	0.69	0.000	0.517	0.46	1.10	0.51
59.05	107.39	3.497	44.99	1.756	0.69	0.000	0.517	0.46	1.10	0.51
59.10	107.39	3.500	44.99	1.757	0.69	0.000	0.517	0.46	1.10	0.51
59.15	107.40	3.503	45.00	1.758	0.69	0.000	0.517	0.46	1.10	0.51
59.20	107.40	3.505	45.00	1.759	0.69	0.000	0.517	0.46	1.10	0.51
59.25	107.41	3.508	45.01	1.760	0.69	0.000	0.517	0.46	1.10	0.51
59.30	107.42	3.510	45.02	1.762	0.69	0.000	0.517	0.46	1.10	0.51
59.35	107.42	3.513	45.02	1.763	0.69	0.000	0.517	0.46	1.10	0.51
59.40	107.43	3.515	45.03	1.764	0.69	0.000	0.517	0.46	1.10	0.51
59.45	107.43	3.518	45.03	1.765	0.69	0.000	0.517	0.46	1.10	0.51
59.50	107.44	3.520	45.04	1.766	0.69	0.000	0.517	0.46	1.10	0.51
59.55	107.45	3.523	45.05	1.767	0.69	0.000	0.517	0.46	1.10	0.51
59.60	107.45	3.525	45.05	1.768	0.69	0.000	0.517	0.46	1.10	0.51
59.65	107.46	3.528	45.06	1.769	0.69	0.000	0.517	0.46	1.10	0.51
59.70	107.46	3.530	45.06	1.770	0.69	0.000	0.517	0.46	1.10	0.51
59.75	107.47	3.533	45.07	1.771	0.69	0.000	0.517	0.46	1.10	0.51
59.80	107.48	3.536	45.08	1.772	0.69	0.000	0.517	0.46	1.10	0.51
59.85	107.48	3.538	45.08	1.773	0.69	0.000	0.517	0.46	1.10	0.51
59.90	107.49	3.541	45.09	1.774	0.69	0.000	0.517	0.46	1.10	0.51
59.95	107.49	3.543	45.09	1.775	0.69	0.000	0.517	0.46	1.10	0.51
60.00	107.50	3.546	45.10	1.776	0.69	0.000	0.517	0.46	1.10	0.51
60.05	107.48	3.548	45.08	1.778	0.69	0.000	0.517	0.46	1.10	0.51
60.10	107.46	3.551	45.06	1.779	0.68	0.000	0.517	0.46	1.10	0.51
60.15	107.44	3.553	45.04	1.780	0.68	0.000	0.517	0.46	1.10	0.51
60.20	107.42	3.556	45.02	1.781	0.68	0.000	0.517	0.46	1.10	0.50
60.25	107.40	3.558	45.00	1.782	0.68	0.000	0.517	0.46	1.10	0.50
60.30	107.37	3.561	44.97	1.783	0.68	0.000	0.517	0.46	1.10	0.50
60.35	107.35	3.563	44.95	1.784	0.68	0.000	0.517	0.46	1.10	0.50
60.40	107.33	3.566	44.93	1.785	0.68	0.000	0.517	0.46	1.10	0.50
60.45	107.31	3.569	44.91	1.786	0.68	0.000	0.517	0.46	1.10	0.50
60.50	107.29	3.571	44.89	1.787	0.68	0.000	0.517	0.46	1.10	0.50
60.55	107.27	3.574	44.87	1.788	0.68	0.000	0.517	0.46	1.10	0.50
60.60	107.25	3.576	44.85	1.789	0.68	0.000	0.517	0.46	1.10	0.50
60.65	107.23	3.579	44.83	1.790	0.68	0.000	0.517	0.46	1.10	0.50
60.70	107.21	3.581	44.81	1.791	0.68	0.000	0.517	0.46	1.10	0.50
60.75	107.19	3.584	44.79	1.792	0.68	0.000	0.517	0.46	1.10	0.50
60.80	107.16	3.586	44.76	1.793	0.68	0.000	0.517	0.46	1.10	0.50
60.85	107.14	3.589	44.74	1.795	0.68	0.000	0.517	0.46	1.10	0.50
60.90	107.12	3.591	44.72	1.796	0.68	0.000	0.517	0.46	1.10	0.50
60.95	107.10	3.594	44.70	1.797	0.68	0.000	0.517	0.46	1.10	0.50
61.00	107.08	3.596	44.68	1.798	0.68	0.000	0.517	0.46	1.10	0.50
61.05	107.06	3.599	44.66	1.799	0.68	0.000	0.517	0.46	1.10	0.50
61.10	107.04	3.601	44.64	1.800	0.68	0.000	0.517	0.46	1.10	0.50
61.15	107.02	3.604	44.62	1.801	0.68	0.000	0.517	0.45	1.10	0.50
61.20	107.00	3.606	44.60	1.802	0.68	0.000	0.517	0.45	1.10	0.50
61.25	106.98	3.609	44.58	1.803	0.68	0.000	0.517	0.45	1.10	0.50
61.30	106.95	3.612	44.55	1.804	0.68	0.000	0.517	0.45	1.10	0.50
61.35	106.93	3.614	44.53	1.805	0.67	0.000	0.517	0.45	1.10	0.50
61.40	106.91	3.617	44.51	1.806	0.67	0.000	0.517	0.45	1.10	0.50

61.45	106.89	3.619	44.49	1.807	0.67	0.000	0.517	0.45	1.10	0.50
61.50	106.87	3.622	44.47	1.808	0.67	0.000	0.517	0.45	1.10	0.50
61.55	106.85	3.624	44.45	1.809	0.67	0.000	0.517	0.45	1.10	0.50
61.60	106.83	3.627	44.43	1.810	0.67	0.000	0.517	0.45	1.10	0.50
61.65	106.81	3.629	44.41	1.811	0.67	0.000	0.517	0.45	1.10	0.50
61.70	106.79	3.632	44.39	1.812	0.67	0.000	0.517	0.45	1.10	0.50
61.75	106.77	3.634	44.37	1.813	0.67	0.000	0.517	0.45	1.10	0.50
61.80	106.74	3.637	44.34	1.815	0.67	0.000	0.517	0.45	1.10	0.50
61.85	106.72	3.639	44.32	1.816	0.67	0.000	0.517	0.45	1.10	0.50
61.90	106.70	3.642	44.30	1.817	0.67	0.000	0.517	0.45	1.10	0.50
61.95	106.68	3.644	44.28	1.818	0.67	0.000	0.517	0.45	1.10	0.50
62.00	106.66	3.647	44.26	1.819	0.67	0.000	0.517	0.45	1.10	0.50
62.05	106.64	3.649	44.24	1.820	0.67	0.000	0.517	0.45	1.10	0.50
62.10	106.62	3.652	44.22	1.821	0.67	0.000	0.517	0.45	1.10	0.50
62.15	106.60	3.654	44.20	1.822	0.67	0.000	0.517	0.45	1.10	0.50
62.20	106.58	3.657	44.18	1.823	0.67	0.000	0.517	0.45	1.10	0.50
62.25	106.56	3.659	44.16	1.824	0.67	0.000	0.517	0.45	1.10	0.50
62.30	106.53	3.662	44.13	1.825	0.67	0.000	0.517	0.45	1.10	0.49
62.35	106.51	3.665	44.11	1.826	0.67	0.000	0.517	0.45	1.10	0.49
62.40	106.49	3.667	44.09	1.827	0.67	0.000	0.517	0.45	1.10	0.49
62.45	106.47	3.670	44.07	1.828	0.67	0.000	0.517	0.45	1.10	0.49
62.50	106.45	3.672	44.05	1.829	0.67	0.000	0.517	0.45	1.10	0.49
62.55	106.43	3.675	44.03	1.830	0.66	0.000	0.517	0.45	1.10	0.49
62.60	106.41	3.677	44.01	1.831	0.66	0.000	0.517	0.45	1.10	0.49
62.65	106.39	3.680	43.99	1.832	0.66	0.000	0.517	0.45	1.10	0.49
62.70	106.37	3.682	43.97	1.833	0.66	0.000	0.517	0.45	1.10	0.49
62.75	106.35	3.685	43.95	1.834	0.66	0.000	0.517	0.45	1.10	0.49
62.80	106.32	3.687	43.92	1.835	0.66	0.000	0.517	0.45	1.10	0.49
62.85	106.30	3.690	43.90	1.836	0.66	0.000	0.517	0.45	1.10	0.49
62.90	106.28	3.692	43.88	1.837	0.66	0.000	0.517	0.45	1.10	0.49
62.95	106.26	3.695	43.86	1.838	0.66	0.000	0.517	0.45	1.10	0.49
63.00	106.24	3.697	43.84	1.840	0.66	0.000	0.517	0.45	1.10	0.49
63.05	106.22	3.700	43.82	1.841	0.66	0.000	0.517	0.45	1.10	0.49
63.10	106.20	3.702	43.80	1.842	0.66	0.000	0.517	0.45	1.10	0.49
63.15	106.18	3.705	43.78	1.843	0.66	0.000	0.517	0.45	1.10	0.49
63.20	106.16	3.707	43.76	1.844	0.66	0.000	0.517	0.45	1.10	0.49
63.25	106.14	3.710	43.74	1.845	0.66	0.000	0.517	0.45	1.10	0.49
63.30	106.11	3.712	43.71	1.846	0.66	0.000	0.517	0.45	1.10	0.49
63.35	106.09	3.715	43.69	1.847	0.66	0.000	0.517	0.45	1.10	0.49
63.40	106.07	3.717	43.67	1.848	0.66	0.000	0.517	0.44	1.10	0.49
63.45	106.05	3.720	43.65	1.849	0.66	0.000	0.517	0.44	1.10	0.49
63.50	106.03	3.722	43.63	1.850	0.66	0.000	0.517	0.44	1.10	0.49
63.55	106.01	3.725	43.61	1.851	0.66	0.000	0.517	0.44	1.10	0.49
63.60	105.99	3.727	43.59	1.852	0.66	0.000	0.517	0.44	1.10	0.49
63.65	105.97	3.730	43.57	1.853	0.66	0.000	0.517	0.44	1.10	0.49
63.70	105.95	3.732	43.55	1.854	0.66	0.000	0.517	0.44	1.10	0.49
63.75	105.93	3.735	43.53	1.855	0.66	0.000	0.517	0.44	1.10	0.49
63.80	105.90	3.737	43.50	1.856	0.65	0.000	0.517	0.44	1.10	0.49
63.85	105.88	3.740	43.48	1.857	0.65	0.000	0.517	0.44	1.10	0.49
63.90	105.86	3.742	43.46	1.858	0.65	0.000	0.517	0.44	1.10	0.49
63.95	105.84	3.745	43.44	1.859	0.65	0.000	0.517	0.44	1.10	0.49
64.00	105.82	3.747	43.42	1.860	0.65	0.000	0.517	0.44	1.10	0.49
64.05	105.80	3.750	43.40	1.861	0.65	0.000	0.517	0.44	1.10	0.49
64.10	105.78	3.752	43.38	1.862	0.65	0.000	0.517	0.44	1.10	0.49
64.15	105.76	3.755	43.36	1.863	0.65	0.000	0.517	0.44	1.10	0.49
64.20	105.74	3.757	43.34	1.864	0.65	0.000	0.517	0.44	1.10	0.49
64.25	105.72	3.760	43.32	1.865	0.65	0.000	0.517	0.44	1.10	0.49
64.30	105.69	3.762	43.29	1.866	0.65	0.000	0.517	0.44	1.10	0.48
64.35	105.67	3.765	43.27	1.867	0.65	0.000	0.517	0.44	1.10	0.48
64.40	105.65	3.767	43.25	1.868	0.65	0.000	0.517	0.44	1.10	0.48
64.45	105.63	3.770	43.23	1.869	0.65	0.000	0.517	0.44	1.10	0.48
64.50	105.61	3.772	43.21	1.870	0.65	0.000	0.517	0.44	1.10	0.48
64.55	105.59	3.775	43.19	1.871	0.65	0.000	0.517	0.44	1.10	0.48
64.60	105.57	3.777	43.17	1.872	0.65	0.000	0.517	0.44	1.10	0.48
64.65	105.55	3.780	43.15	1.873	0.65	0.000	0.517	0.44	1.10	0.48
64.70	105.53	3.782	43.13	1.874	0.65	0.000	0.517	0.44	1.10	0.48
64.75	105.51	3.785	43.11	1.875	0.65	0.000	0.517	0.44	1.10	0.48
64.80	105.48	3.787	43.08	1.877	0.65	0.000	0.517	0.44	1.10	0.48
64.85	105.46	3.790	43.06	1.878	0.65	0.000	0.517	0.44	1.10	0.48
64.90	105.44	3.792	43.04	1.879	0.65	0.000	0.517	0.44	1.10	0.48
64.95	105.42	3.795	43.02	1.880	0.65	0.000	0.517	0.44	1.10	0.48
65.00	105.40	3.797	43.00	1.881	0.65	0.000	0.517	0.44	1.10	0.48

CSR is based on water table at 0.00 during earthquake

CRR Calculation from SPT or BPT data:

Depth ft	SPT	Cebs	Cr	sigma' atm	Cn	(N1)60	Fines %	d(N1)60	(N1)60f	CRR7.5
10.00	13.00	1.96	0.85	0.622	1.27	27.46	0.00	0.00	27.46	0.33
10.05	13.00	1.96	0.85	0.625	1.26	27.39	0.00	0.00	27.39	0.33
10.10	13.00	1.96	0.85	0.628	1.26	27.32	0.00	0.00	27.32	0.33
10.15	13.00	1.96	0.85	0.631	1.26	27.26	0.00	0.00	27.26	0.33
10.20	13.00	1.96	0.85	0.634	1.26	27.19	0.00	0.00	27.19	0.32
10.25	13.00	1.96	0.85	0.637	1.25	27.12	0.00	0.00	27.12	0.32
10.30	13.00	1.96	0.85	0.640	1.25	27.06	0.00	0.00	27.06	0.32
10.35	13.00	1.96	0.85	0.644	1.25	26.99	0.00	0.00	26.99	0.32
10.40	13.00	1.96	0.85	0.647	1.24	26.93	0.00	0.00	26.93	0.32
10.45	13.00	1.96	0.85	0.650	1.24	26.86	0.00	0.00	26.86	0.32
10.50	13.00	1.96	0.85	0.653	1.24	26.80	0.00	0.00	26.80	0.32
10.55	13.00	1.96	0.85	0.656	1.23	26.74	0.00	0.00	26.74	0.31
10.60	13.00	1.96	0.85	0.659	1.23	26.68	0.00	0.00	26.68	0.31
10.65	13.00	1.96	0.85	0.662	1.23	26.61	0.00	0.00	26.61	0.31
10.70	13.00	1.96	0.85	0.665	1.23	26.55	0.00	0.00	26.55	0.31
10.75	13.00	1.96	0.85	0.668	1.22	26.49	0.00	0.00	26.49	0.31
10.80	13.00	1.96	0.85	0.671	1.22	26.43	0.00	0.00	26.43	0.31
10.85	13.00	1.96	0.85	0.674	1.22	26.37	0.00	0.00	26.37	0.31
10.90	13.00	1.96	0.85	0.677	1.22	26.31	0.00	0.00	26.31	0.31
10.95	13.00	1.96	0.85	0.680	1.21	26.25	0.00	0.00	26.25	0.30
11.00	13.00	1.96	0.85	0.683	1.21	26.19	0.00	0.00	26.19	0.30
11.05	13.00	1.96	0.85	0.686	1.21	26.14	0.00	0.00	26.14	0.30
11.10	13.00	1.96	0.85	0.689	1.20	26.08	0.00	0.00	26.08	0.30
11.15	13.00	1.96	0.85	0.692	1.20	26.02	0.00	0.00	26.02	0.30
11.20	13.00	1.96	0.85	0.696	1.20	25.96	0.00	0.00	25.96	0.30
11.25	13.00	1.96	0.85	0.699	1.20	25.91	0.00	0.00	25.91	0.30
11.30	13.00	1.96	0.85	0.702	1.19	25.85	0.00	0.00	25.85	0.30
11.35	13.00	1.96	0.85	0.705	1.19	25.80	0.00	0.00	25.80	0.30
11.40	13.00	1.96	0.85	0.708	1.19	25.74	0.00	0.00	25.74	0.30
11.45	13.00	1.96	0.85	0.711	1.19	25.69	0.00	0.00	25.69	0.29
11.50	13.00	1.96	0.85	0.714	1.18	25.63	0.00	0.00	25.63	0.29
11.55	13.00	1.96	0.85	0.717	1.18	25.58	0.00	0.00	25.58	0.29
11.60	13.00	1.96	0.85	0.720	1.18	25.53	0.00	0.00	25.53	0.29
11.65	13.00	1.96	0.85	0.723	1.18	25.47	0.00	0.00	25.47	0.29
11.70	13.00	1.96	0.85	0.726	1.17	25.42	0.00	0.00	25.42	0.29
11.75	13.00	1.96	0.85	0.729	1.17	25.37	0.00	0.00	25.37	0.29
11.80	13.00	1.96	0.85	0.732	1.17	25.32	0.00	0.00	25.32	0.29
11.85	13.00	1.96	0.85	0.735	1.17	25.27	0.00	0.00	25.27	0.29
11.90	13.00	1.96	0.85	0.737	1.16	25.21	0.00	0.00	25.21	0.29
11.95	13.00	1.96	0.85	0.740	1.16	25.16	0.00	0.00	25.16	0.29
12.00	13.00	1.96	0.85	0.743	1.16	25.11	0.00	0.00	25.11	0.28
12.05	13.00	1.96	0.85	0.746	1.16	25.06	0.00	0.00	25.06	0.28
12.10	13.00	1.96	0.85	0.749	1.16	25.01	0.00	0.00	25.01	0.28
12.15	13.00	1.96	0.85	0.752	1.15	24.96	0.00	0.00	24.96	0.28
12.20	13.00	1.96	0.85	0.755	1.15	24.92	0.00	0.00	24.92	0.28
12.25	13.00	1.96	0.85	0.758	1.15	24.87	0.00	0.00	24.87	0.28
12.30	13.00	1.96	0.85	0.761	1.15	24.82	0.00	0.00	24.82	0.28
12.35	13.00	1.96	0.85	0.764	1.14	24.77	0.00	0.00	24.77	0.28
12.40	13.00	1.96	0.85	0.767	1.14	24.72	0.00	0.00	24.72	0.28
12.45	13.00	1.96	0.85	0.770	1.14	24.68	0.00	0.00	24.68	0.28
12.50	13.00	1.96	0.85	0.773	1.14	24.63	0.00	0.00	24.63	0.28
12.55	13.00	1.96	0.85	0.776	1.14	24.58	0.00	0.00	24.58	0.28
12.60	13.00	1.96	0.85	0.779	1.13	24.54	0.00	0.00	24.54	0.28
12.65	13.00	1.96	0.85	0.782	1.13	24.49	0.00	0.00	24.49	0.27
12.70	13.00	1.96	0.85	0.785	1.13	24.45	0.00	0.00	24.45	0.27
12.75	13.00	1.96	0.85	0.788	1.13	24.40	0.00	0.00	24.40	0.27
12.80	13.00	1.96	0.85	0.790	1.12	24.36	0.00	0.00	24.36	0.27
12.85	13.00	1.96	0.85	0.793	1.12	24.31	0.00	0.00	24.31	0.27
12.90	13.00	1.96	0.85	0.796	1.12	24.27	0.00	0.00	24.27	0.27
12.95	13.00	1.96	0.85	0.799	1.12	24.22	0.00	0.00	24.22	0.27
13.00	13.00	1.96	0.85	0.802	1.12	24.18	0.00	0.00	24.18	0.27
13.05	13.00	1.96	0.85	0.805	1.11	24.13	0.00	0.00	24.13	0.27
13.10	13.00	1.96	0.85	0.808	1.11	24.09	0.00	0.00	24.09	0.27
13.15	13.00	1.96	0.85	0.811	1.11	24.05	0.00	0.00	24.05	0.27
13.20	13.00	1.96	0.85	0.814	1.11	24.01	0.00	0.00	24.01	0.27
13.25	13.00	1.96	0.85	0.817	1.11	23.96	0.00	0.00	23.96	0.27
13.30	13.00	1.96	0.85	0.819	1.10	23.92	0.00	0.00	23.92	0.27

13.35	13.00	1.96	0.85	0.822	1.10	23.88	0.00	0.00	23.88	0.27
13.40	13.00	1.96	0.85	0.825	1.10	23.84	0.00	0.00	23.84	0.26
13.45	13.00	1.96	0.85	0.828	1.10	23.80	0.00	0.00	23.80	0.26
13.50	13.00	1.96	0.85	0.831	1.10	23.76	0.00	0.00	23.76	0.26
13.55	13.00	1.96	0.85	0.834	1.10	23.71	0.00	0.00	23.71	0.26
13.60	13.00	1.96	0.85	0.837	1.09	23.67	0.00	0.00	23.67	0.26
13.65	13.00	1.96	0.85	0.839	1.09	23.63	0.00	0.00	23.63	0.26
13.70	13.00	1.96	0.85	0.842	1.09	23.59	0.00	0.00	23.59	0.26
13.75	13.00	1.96	0.85	0.845	1.09	23.55	0.00	0.00	23.55	0.26
13.80	13.00	1.96	0.85	0.848	1.09	23.52	0.00	0.00	23.52	0.26
13.85	13.00	1.96	0.85	0.851	1.08	23.48	0.00	0.00	23.48	0.26
13.90	13.00	1.96	0.85	0.854	1.08	23.44	0.00	0.00	23.44	0.26
13.95	13.00	1.96	0.85	0.856	1.08	23.40	0.00	0.00	23.40	0.26
14.00	13.00	1.96	0.85	0.859	1.08	23.36	0.00	0.00	23.36	0.26
14.05	13.00	1.96	0.85	0.862	1.08	23.32	0.00	0.00	23.32	0.26
14.10	13.00	1.96	0.85	0.865	1.08	23.28	0.00	0.00	23.28	0.26
14.15	13.00	1.96	0.85	0.868	1.07	23.25	0.00	0.00	23.25	0.26
14.20	13.00	1.96	0.85	0.871	1.07	23.21	0.00	0.00	23.21	0.26
14.25	13.00	1.96	0.85	0.873	1.07	23.17	0.00	0.00	23.17	0.26
14.30	13.00	1.96	0.85	0.876	1.07	23.13	0.00	0.00	23.13	0.25
14.35	13.00	1.96	0.85	0.879	1.07	23.10	0.00	0.00	23.10	0.25
14.40	13.00	1.96	0.85	0.882	1.06	23.06	0.00	0.00	23.06	0.25
14.45	13.00	1.96	0.85	0.885	1.06	23.02	0.00	0.00	23.02	0.25
14.50	13.00	1.96	0.85	0.887	1.06	22.99	0.00	0.00	22.99	0.25
14.55	13.00	1.96	0.85	0.890	1.06	22.95	0.00	0.00	22.95	0.25
14.60	13.00	1.96	0.85	0.893	1.06	22.92	0.00	0.00	22.92	0.25
14.65	13.00	1.96	0.85	0.896	1.06	22.88	0.00	0.00	22.88	0.25
14.70	13.00	1.96	0.85	0.898	1.06	22.84	0.00	0.00	22.84	0.25
14.75	13.00	1.96	0.85	0.901	1.05	22.81	0.00	0.00	22.81	0.25
14.80	13.00	1.96	0.95	0.904	1.05	25.45	0.00	0.00	25.45	0.29
14.85	13.00	1.96	0.95	0.907	1.05	25.41	0.00	0.00	25.41	0.29
14.90	13.00	1.96	0.95	0.910	1.05	25.38	0.00	0.00	25.38	0.29
14.95	13.00	1.96	0.95	0.912	1.05	25.34	0.00	0.00	25.34	0.29
15.00	13.00	1.96	0.95	0.915	1.05	25.30	0.00	0.00	25.30	0.29
15.05	12.90	1.96	0.95	0.918	1.04	25.07	1.01	0.00	25.07	0.28
15.10	12.80	1.96	0.95	0.921	1.04	24.84	2.02	0.00	24.84	0.28
15.15	12.70	1.96	0.95	0.923	1.04	24.61	3.03	0.00	24.61	0.28
15.20	12.60	1.96	0.95	0.926	1.04	24.38	4.04	0.00	24.38	0.27
15.25	12.50	1.96	0.95	0.929	1.04	24.15	5.05	0.04	24.18	0.27
15.30	12.40	1.96	0.95	0.932	1.04	23.92	6.06	0.15	24.07	0.27
15.35	12.30	1.96	0.95	0.934	1.03	23.69	7.07	0.34	24.03	0.27
15.40	12.20	1.96	0.95	0.937	1.03	23.46	8.08	0.62	24.08	0.27
15.45	12.10	1.96	0.95	0.940	1.03	23.24	9.09	0.99	24.22	0.27
15.50	12.00	1.96	0.95	0.943	1.03	23.01	10.10	1.41	24.42	0.27
15.55	11.90	1.96	0.95	0.945	1.03	22.78	11.11	1.86	24.65	0.28
15.60	11.80	1.96	0.95	0.948	1.03	22.56	12.12	2.32	24.88	0.28
15.65	11.70	1.96	0.95	0.951	1.03	22.34	13.13	2.77	25.11	0.28
15.70	11.60	1.96	0.95	0.954	1.02	22.11	14.14	3.20	25.32	0.29
15.75	11.50	1.96	0.95	0.956	1.02	21.89	15.15	3.61	25.50	0.29
15.80	11.40	1.96	0.95	0.959	1.02	21.67	16.16	4.00	25.67	0.29
15.85	11.30	1.96	0.95	0.962	1.02	21.45	17.17	4.36	25.81	0.30
15.90	11.20	1.96	0.95	0.965	1.02	21.23	18.18	4.70	25.93	0.30
15.95	11.10	1.96	0.95	0.968	1.02	21.01	19.19	5.03	26.03	0.30
16.00	11.00	1.96	0.95	0.970	1.02	20.79	20.20	5.33	26.12	0.30
16.05	10.90	1.96	0.95	0.973	1.01	20.57	21.21	5.61	26.18	0.30
16.10	10.80	1.96	0.95	0.976	1.01	20.35	22.22	5.88	26.24	0.30
16.15	10.70	1.96	0.95	0.979	1.01	20.14	23.23	6.14	26.28	0.30
16.20	10.60	1.96	0.95	0.981	1.01	19.92	24.24	6.38	26.30	0.31
16.25	10.50	1.96	0.95	0.984	1.01	19.70	25.25	6.62	26.32	0.31
16.30	10.40	1.96	0.95	0.987	1.01	19.49	26.26	6.84	26.33	0.31
16.35	10.30	1.96	0.95	0.990	1.01	19.27	27.27	7.05	26.33	0.31
16.40	10.20	1.96	0.95	0.993	1.00	19.06	28.28	7.26	26.32	0.31
16.45	10.10	1.96	0.95	0.995	1.00	18.85	29.29	7.46	26.30	0.31
16.50	10.00	1.96	0.95	0.998	1.00	18.63	30.30	7.65	26.28	0.31
16.55	9.90	1.96	0.95	1.001	1.00	18.42	31.31	7.83	26.25	0.30
16.60	9.80	1.96	0.95	1.004	1.00	18.21	32.32	8.01	26.22	0.30
16.65	9.70	1.96	0.95	1.006	1.00	18.00	33.33	8.18	26.18	0.30
16.70	9.60	1.96	0.95	1.009	1.00	17.79	34.34	8.35	26.14	0.30
16.75	9.50	1.96	0.95	1.012	0.99	17.58	35.35	8.52	26.10	0.30
16.80	9.40	1.96	0.95	1.015	0.99	17.37	36.36	8.47	25.84	0.30
16.85	9.30	1.96	0.95	1.018	0.99	17.16	37.37	8.43	25.59	0.29
16.90	9.20	1.96	0.95	1.020	0.99	16.95	38.38	8.39	25.35	0.29
16.95	9.10	1.96	0.95	1.023	0.99	16.75	39.39	8.35	25.10	0.28

17.00	9.00	1.96	0.95	1.026	0.99	16.54	40.40	8.31	24.85	0.28
17.05	8.90	1.96	0.95	1.029	0.99	16.33	41.41	8.27	24.60	0.28
17.10	8.80	1.96	0.95	1.032	0.98	16.13	42.42	8.23	24.35	0.27
17.15	8.70	1.96	0.95	1.034	0.98	15.92	43.43	8.18	24.11	0.27
17.20	8.60	1.96	0.95	1.037	0.98	15.72	44.44	8.14	23.86	0.27
17.25	8.50	1.96	0.95	1.040	0.98	15.52	45.45	8.10	23.62	0.26
17.30	8.40	1.96	0.95	1.043	0.98	15.31	46.46	8.06	23.38	0.26
17.35	8.30	1.96	0.95	1.046	0.98	15.11	47.47	8.02	23.13	0.25
17.40	8.20	1.96	0.95	1.049	0.98	14.91	48.48	7.98	22.89	0.25
17.45	8.10	1.96	0.95	1.051	0.98	14.71	49.49	7.94	22.65	0.25
17.50	8.00	1.96	0.95	1.054	0.97	14.51	50.50	7.90	22.41	0.25
17.55	7.90	1.96	0.95	1.057	0.97	14.30	51.51	7.86	22.17	0.24
17.60	7.80	1.96	0.95	1.060	0.97	14.11	52.52	7.82	21.93	0.24
17.65	7.70	1.96	0.95	1.063	0.97	13.91	53.53	7.78	21.69	0.24
17.70	7.60	1.96	0.95	1.065	0.97	13.71	54.54	7.74	21.45	0.23
17.75	7.50	1.96	0.95	1.068	0.97	13.51	55.55	7.70	21.21	0.23
17.80	7.40	1.96	0.95	1.071	0.97	13.31	56.56	7.66	20.97	0.23
17.85	7.30	1.96	0.95	1.074	0.96	13.11	57.57	7.62	20.74	0.22
17.90	7.20	1.96	0.95	1.077	0.96	12.92	58.58	7.58	20.50	0.22
17.95	7.10	1.96	0.95	1.080	0.96	12.72	59.59	7.54	20.27	0.22
18.00	7.00	1.96	0.95	1.082	0.96	12.53	60.60	7.51	20.03	0.22
18.05	6.90	1.96	0.95	1.085	0.96	12.33	61.61	7.47	19.80	0.21
18.10	6.80	1.96	0.95	1.088	0.96	12.14	62.62	7.43	19.56	0.21
18.15	6.70	1.96	0.95	1.091	0.96	11.94	63.63	7.39	19.33	0.21
18.20	6.60	1.96	0.95	1.094	0.96	11.75	64.64	7.35	19.10	0.21
18.25	6.50	1.96	0.95	1.097	0.95	11.56	65.65	7.31	18.87	0.20
18.30	6.40	1.96	0.95	1.099	0.95	11.36	66.66	7.27	18.64	0.20
18.35	6.30	1.96	0.95	1.102	0.95	11.17	67.67	7.23	18.41	0.20
18.40	6.20	1.96	0.95	1.105	0.95	10.98	68.68	7.20	18.18	0.20
18.45	6.10	1.96	0.95	1.108	0.95	10.79	69.69	7.16	17.95	0.19
18.50	6.00	1.96	0.95	1.111	0.95	10.60	70.70	7.12	17.72	0.19
18.55	5.90	1.96	0.95	1.114	0.95	10.41	71.71	7.08	17.49	0.19
18.60	5.80	1.96	0.95	1.116	0.95	10.22	72.72	7.04	17.26	0.19
18.65	5.70	1.96	0.95	1.119	0.95	10.03	73.73	7.01	17.04	0.18
18.70	5.60	1.96	0.95	1.122	0.94	9.84	74.74	6.97	16.81	0.18
18.75	5.50	1.96	0.95	1.125	0.94	9.65	75.75	6.93	16.58	0.18
18.80	5.40	1.96	0.95	1.128	0.94	9.47	76.76	6.89	16.36	0.18
18.85	5.30	1.96	0.95	1.131	0.94	9.28	77.77	6.86	16.13	0.17
18.90	5.20	1.96	0.95	1.134	0.94	9.09	78.78	6.82	15.91	0.17
18.95	5.10	1.96	0.95	1.136	0.94	8.91	79.79	6.78	15.69	0.17
19.00	5.00	1.96	0.95	1.139	0.94	8.72	80.80	6.74	15.47	0.17
19.05	4.90	1.96	0.95	1.142	0.94	8.54	81.81	6.71	15.24	0.16
19.10	4.80	1.96	0.95	1.145	0.93	8.35	82.82	6.67	15.02	0.16
19.15	4.70	1.96	0.95	1.148	0.93	8.17	83.83	6.63	14.80	0.16
19.20	4.60	1.96	0.95	1.151	0.93	7.98	84.84	6.60	14.58	0.16
19.25	4.50	1.96	0.95	1.154	0.93	7.80	85.85	6.56	14.36	0.16
19.30	4.40	1.96	0.95	1.156	0.93	7.62	86.86	6.52	14.14	0.15
19.35	4.30	1.96	0.95	1.159	0.93	7.43	87.87	6.49	13.92	0.15
19.40	4.20	1.96	0.95	1.162	0.93	7.25	88.88	6.45	13.70	0.15
19.45	4.10	1.96	0.95	1.165	0.93	7.07	89.89	6.41	13.49	0.15
19.50	4.00	1.96	0.95	1.168	0.93	6.89	90.90	6.38	13.27	0.14
19.55	3.90	1.96	0.95	1.171	0.92	6.71	91.91	6.34	13.05	0.14
19.60	3.80	1.96	0.95	1.174	0.92	6.53	92.92	6.31	12.84	0.14
19.65	3.70	1.96	0.95	1.176	0.92	6.35	93.93	6.27	12.62	0.14
19.70	3.60	1.96	0.95	1.179	0.92	6.17	94.94	6.23	12.41	0.13
19.75	3.50	1.96	0.95	1.182	0.92	5.99	95.95	6.20	12.19	0.13
19.80	3.40	1.96	0.95	1.185	0.92	5.81	96.96	6.16	11.98	0.13
19.85	3.30	1.96	0.95	1.188	0.92	5.64	97.97	6.13	11.76	0.13
19.90	3.20	1.96	0.95	1.191	0.92	5.46	98.98	6.09	11.55	0.13
19.95	3.10	1.96	0.95	1.194	0.92	5.28	99.99	6.06	11.34	0.12
20.00	3.00	1.96	0.95	1.197	0.91	5.11	NoLiq	6.02	11.13	0.12
20.05	3.00	1.96	0.95	1.199	0.91	5.10	NoLiq	6.02	11.12	0.12
20.10	3.00	1.96	0.95	1.202	0.91	5.09	NoLiq	6.02	11.11	0.12
20.15	3.00	1.96	0.95	1.205	0.91	5.09	NoLiq	6.02	11.10	0.12
20.20	3.00	1.96	0.95	1.208	0.91	5.08	NoLiq	6.02	11.10	0.12
20.25	3.00	1.96	0.95	1.211	0.91	5.08	NoLiq	6.02	11.09	0.12
20.30	3.00	1.96	0.95	1.214	0.91	5.07	NoLiq	6.01	11.08	0.12
20.35	3.00	1.96	0.95	1.217	0.91	5.06	NoLiq	6.01	11.08	0.12
20.40	3.00	1.96	0.95	1.220	0.91	5.06	NoLiq	6.01	11.07	0.12
20.45	3.00	1.96	0.95	1.223	0.90	5.05	NoLiq	6.01	11.06	0.12
20.50	3.00	1.96	0.95	1.225	0.90	5.05	NoLiq	6.01	11.05	0.12
20.55	3.00	1.96	0.95	1.228	0.90	5.04	NoLiq	6.01	11.05	0.12
20.60	3.00	1.96	0.95	1.231	0.90	5.03	NoLiq	6.01	11.04	0.12

20.65	3.00	1.96	0.95	1.234	0.90	5.03	NoLiq	6.01	11.03	0.12
20.70	3.00	1.96	0.95	1.237	0.90	5.02	NoLiq	6.00	11.03	0.12
20.75	3.00	1.96	0.95	1.240	0.90	5.02	NoLiq	6.00	11.02	0.12
20.80	3.00	1.96	0.95	1.243	0.90	5.01	NoLiq	6.00	11.01	0.12
20.85	3.00	1.96	0.95	1.246	0.90	5.00	NoLiq	6.00	11.00	0.12
20.90	3.00	1.96	0.95	1.249	0.89	5.00	NoLiq	6.00	11.00	0.12
20.95	3.00	1.96	0.95	1.251	0.89	4.99	NoLiq	6.00	10.99	0.12
21.00	3.00	1.96	0.95	1.254	0.89	4.99	NoLiq	6.00	10.98	0.12
21.05	3.00	1.96	0.95	1.257	0.89	4.98	NoLiq	6.00	10.98	0.12
21.10	3.00	1.96	0.95	1.259	0.89	4.98	NoLiq	6.00	10.97	0.12
21.15	3.00	1.96	0.95	1.260	0.89	4.98	NoLiq	6.00	10.97	0.12
21.20	3.00	1.96	0.95	1.261	0.89	4.97	NoLiq	5.99	10.97	0.12
21.25	3.00	1.96	0.95	1.263	0.89	4.97	NoLiq	5.99	10.96	0.12
21.30	3.00	1.96	0.95	1.264	0.89	4.97	NoLiq	5.99	10.96	0.12
21.35	3.00	1.96	0.95	1.266	0.89	4.96	NoLiq	5.99	10.96	0.12
21.40	3.00	1.96	0.95	1.267	0.89	4.96	NoLiq	5.99	10.95	0.12
21.45	3.00	1.96	0.95	1.269	0.89	4.96	NoLiq	5.99	10.95	0.12
21.50	3.00	1.96	0.95	1.270	0.89	4.96	NoLiq	5.99	10.95	0.12
21.55	3.00	1.96	0.95	1.271	0.89	4.95	NoLiq	5.99	10.94	0.12
21.60	3.00	1.96	0.95	1.273	0.89	4.95	NoLiq	5.99	10.94	0.12
21.65	3.00	1.96	0.95	1.274	0.89	4.95	NoLiq	5.99	10.94	0.12
21.70	3.00	1.96	0.95	1.276	0.89	4.94	NoLiq	5.99	10.93	0.12
21.75	3.00	1.96	0.95	1.277	0.88	4.94	NoLiq	5.99	10.93	0.12
21.80	3.00	1.96	0.95	1.278	0.88	4.94	NoLiq	5.99	10.93	0.12
21.85	3.00	1.96	0.95	1.280	0.88	4.94	NoLiq	5.99	10.92	0.12
21.90	3.00	1.96	0.95	1.281	0.88	4.93	NoLiq	5.99	10.92	0.12
21.95	3.00	1.96	0.95	1.283	0.88	4.93	NoLiq	5.99	10.92	0.12
22.00	3.00	1.96	0.95	1.284	0.88	4.93	NoLiq	5.99	10.91	0.12
22.05	3.00	1.96	0.95	1.286	0.88	4.93	NoLiq	5.99	10.91	0.12
22.10	3.00	1.96	0.95	1.287	0.88	4.92	NoLiq	5.98	10.91	0.12
22.15	3.00	1.96	0.95	1.288	0.88	4.92	NoLiq	5.98	10.90	0.12
22.20	3.00	1.96	0.95	1.290	0.88	4.92	NoLiq	5.98	10.90	0.12
22.25	3.00	1.96	0.95	1.291	0.88	4.91	NoLiq	5.98	10.90	0.12
22.30	3.00	1.96	0.95	1.293	0.88	4.91	NoLiq	5.98	10.89	0.12
22.35	3.00	1.96	0.95	1.294	0.88	4.91	NoLiq	5.98	10.89	0.12
22.40	3.00	1.96	0.95	1.295	0.88	4.91	NoLiq	5.98	10.89	0.12
22.45	3.00	1.96	0.95	1.297	0.88	4.90	NoLiq	5.98	10.88	0.12
22.50	3.00	1.96	0.95	1.298	0.88	4.90	NoLiq	5.98	10.88	0.12
22.55	3.00	1.96	0.95	1.300	0.88	4.90	NoLiq	5.98	10.88	0.12
22.60	3.00	1.96	0.95	1.301	0.88	4.90	NoLiq	5.98	10.88	0.12
22.65	3.00	1.96	0.95	1.303	0.88	4.89	NoLiq	5.98	10.87	0.12
22.70	3.00	1.96	0.95	1.304	0.88	4.89	NoLiq	5.98	10.87	0.12
22.75	3.00	1.96	0.95	1.305	0.88	4.89	NoLiq	5.98	10.87	0.12
22.80	3.00	1.96	0.95	1.307	0.87	4.89	NoLiq	5.98	10.86	0.12
22.85	3.00	1.96	0.95	1.308	0.87	4.88	NoLiq	5.98	10.86	0.12
22.90	3.00	1.96	0.95	1.310	0.87	4.88	NoLiq	5.98	10.86	0.12
22.95	3.00	1.96	0.95	1.311	0.87	4.88	NoLiq	5.98	10.85	0.12
23.00	3.00	1.96	0.95	1.313	0.87	4.87	NoLiq	5.97	10.85	0.12
23.05	3.00	1.96	0.95	1.314	0.87	4.87	NoLiq	5.97	10.85	0.12
23.10	3.00	1.96	0.95	1.315	0.87	4.87	NoLiq	5.97	10.84	0.12
23.15	3.00	1.96	0.95	1.317	0.87	4.87	NoLiq	5.97	10.84	0.12
23.20	3.00	1.96	0.95	1.318	0.87	4.86	NoLiq	5.97	10.84	0.12
23.25	3.00	1.96	0.95	1.320	0.87	4.86	NoLiq	5.97	10.83	0.12
23.30	3.00	1.96	0.95	1.321	0.87	4.86	NoLiq	5.97	10.83	0.12
23.35	3.00	1.96	0.95	1.322	0.87	4.86	NoLiq	5.97	10.83	0.12
23.40	3.00	1.96	0.95	1.324	0.87	4.85	NoLiq	5.97	10.82	0.12
23.45	3.00	1.96	0.95	1.325	0.87	4.85	NoLiq	5.97	10.82	0.12
23.50	3.00	1.96	0.95	1.327	0.87	4.85	NoLiq	5.97	10.82	0.12
23.55	3.00	1.96	0.95	1.328	0.87	4.85	NoLiq	5.97	10.82	0.12
23.60	3.00	1.96	0.95	1.330	0.87	4.84	NoLiq	5.97	10.81	0.12
23.65	3.00	1.96	0.95	1.331	0.87	4.84	NoLiq	5.97	10.81	0.12
23.70	3.00	1.96	0.95	1.332	0.87	4.84	NoLiq	5.97	10.81	0.12
23.75	3.00	1.96	0.95	1.334	0.87	4.84	NoLiq	5.97	10.80	0.12
23.80	3.00	1.96	0.95	1.335	0.87	4.83	NoLiq	5.97	10.80	0.12
23.85	3.00	1.96	0.95	1.337	0.86	4.83	NoLiq	5.97	10.80	0.12
23.90	3.00	1.96	0.95	1.338	0.86	4.83	NoLiq	5.97	10.79	0.12
23.95	3.00	1.96	0.95	1.340	0.86	4.83	NoLiq	5.97	10.79	0.12
24.00	3.00	1.96	0.95	1.341	0.86	4.82	NoLiq	5.96	10.79	0.12
24.05	3.00	1.96	0.95	1.342	0.86	4.82	NoLiq	5.96	10.78	0.12
24.10	3.00	1.96	0.95	1.344	0.86	4.82	NoLiq	5.96	10.78	0.12
24.15	3.00	1.96	0.95	1.345	0.86	4.82	NoLiq	5.96	10.78	0.12
24.20	3.00	1.96	0.95	1.347	0.86	4.81	NoLiq	5.96	10.77	0.12
24.25	3.00	1.96	0.95	1.348	0.86	4.81	NoLiq	5.96	10.77	0.12

24.30	3.00	1.96	0.95	1.350	0.86	4.81	NoLiq	5.96	10.77	0.12
24.35	3.00	1.96	0.95	1.351	0.86	4.80	NoLiq	5.96	10.77	0.12
24.40	3.00	1.96	0.95	1.352	0.86	4.80	NoLiq	5.96	10.76	0.12
24.45	3.00	1.96	0.95	1.354	0.86	4.80	NoLiq	5.96	10.76	0.12
24.50	3.00	1.96	0.95	1.355	0.86	4.80	NoLiq	5.96	10.76	0.12
24.55	3.00	1.96	0.95	1.357	0.86	4.79	NoLiq	5.96	10.75	0.12
24.60	3.00	1.96	0.95	1.358	0.86	4.79	NoLiq	5.96	10.75	0.12
24.65	3.00	1.96	0.95	1.360	0.86	4.79	NoLiq	5.96	10.75	0.12
24.70	3.00	1.96	0.95	1.361	0.86	4.79	NoLiq	5.96	10.74	0.12
24.75	3.00	1.96	0.95	1.362	0.86	4.78	NoLiq	5.96	10.74	0.12
24.80	3.00	1.96	0.95	1.364	0.86	4.78	NoLiq	5.96	10.74	0.12
24.85	3.00	1.96	0.95	1.365	0.86	4.78	NoLiq	5.96	10.74	0.12
24.90	3.00	1.96	0.95	1.367	0.86	4.78	NoLiq	5.96	10.73	0.12
24.95	3.00	1.96	0.95	1.368	0.85	4.77	NoLiq	5.95	10.73	0.12
25.00	3.00	1.96	0.95	1.370	0.85	4.77	NoLiq	5.95	10.73	0.12
25.05	3.02	1.96	0.95	1.371	0.85	4.80	NoLiq	5.96	10.76	0.12
25.10	3.04	1.96	0.95	1.373	0.85	4.83	NoLiq	5.97	10.80	0.12
25.15	3.06	1.96	0.95	1.374	0.85	4.86	NoLiq	5.97	10.83	0.12
25.20	3.08	1.96	0.95	1.375	0.85	4.89	NoLiq	5.98	10.87	0.12
25.25	3.10	1.96	0.95	1.377	0.85	4.92	NoLiq	5.98	10.90	0.12
25.30	3.12	1.96	0.95	1.378	0.85	4.95	NoLiq	5.99	10.94	0.12
25.35	3.14	1.96	0.95	1.380	0.85	4.98	NoLiq	6.00	10.97	0.12
25.40	3.16	1.96	0.95	1.381	0.85	5.01	NoLiq	6.00	11.01	0.12
25.45	3.18	1.96	0.95	1.383	0.85	5.03	NoLiq	6.01	11.04	0.12
25.50	3.20	1.96	0.95	1.384	0.85	5.06	NoLiq	6.01	11.08	0.12
25.55	3.22	1.96	0.95	1.385	0.85	5.09	NoLiq	6.02	11.11	0.12
25.60	3.24	1.96	0.95	1.387	0.85	5.12	NoLiq	6.02	11.15	0.12
25.65	3.26	1.96	0.95	1.388	0.85	5.15	NoLiq	6.03	11.18	0.12
25.70	3.28	1.96	0.95	1.390	0.85	5.18	NoLiq	6.04	11.22	0.12
25.75	3.30	1.96	0.95	1.391	0.85	5.21	NoLiq	6.04	11.25	0.12
25.80	3.32	1.96	0.95	1.393	0.85	5.24	NoLiq	6.05	11.28	0.12
25.85	3.34	1.96	0.95	1.394	0.85	5.27	NoLiq	6.05	11.32	0.12
25.90	3.36	1.96	0.95	1.395	0.85	5.29	NoLiq	6.06	11.35	0.12
25.95	3.38	1.96	0.95	1.397	0.85	5.32	NoLiq	6.06	11.39	0.12
26.00	3.40	1.96	0.95	1.398	0.85	5.35	NoLiq	6.07	11.42	0.12
26.05	3.42	1.96	0.95	1.400	0.85	5.38	NoLiq	6.08	11.46	0.12
26.10	3.44	1.96	0.95	1.401	0.84	5.41	NoLiq	6.08	11.49	0.12
26.15	3.46	1.96	0.95	1.403	0.84	5.44	NoLiq	6.09	11.53	0.12
26.20	3.48	1.96	0.95	1.404	0.84	5.47	NoLiq	6.09	11.56	0.13
26.25	3.50	1.96	0.95	1.406	0.84	5.50	NoLiq	6.10	11.60	0.13
26.30	3.52	1.96	0.95	1.407	0.84	5.52	NoLiq	6.10	11.63	0.13
26.35	3.54	1.96	0.95	1.408	0.84	5.55	NoLiq	6.11	11.66	0.13
26.40	3.56	1.96	0.95	1.410	0.84	5.58	NoLiq	6.12	11.70	0.13
26.45	3.58	1.96	0.95	1.411	0.84	5.61	NoLiq	6.12	11.73	0.13
26.50	3.60	1.96	0.95	1.413	0.84	5.64	NoLiq	6.13	11.77	0.13
26.55	3.62	1.96	0.95	1.414	0.84	5.67	NoLiq	6.13	11.80	0.13
26.60	3.64	1.96	0.95	1.416	0.84	5.70	NoLiq	6.14	11.83	0.13
26.65	3.66	1.96	0.95	1.417	0.84	5.72	NoLiq	6.14	11.87	0.13
26.70	3.68	1.96	0.95	1.418	0.84	5.75	NoLiq	6.15	11.90	0.13
26.75	3.70	1.96	0.95	1.420	0.84	5.78	NoLiq	6.16	11.94	0.13
26.80	3.72	1.96	0.95	1.421	0.84	5.81	NoLiq	6.16	11.97	0.13
26.85	3.74	1.96	0.95	1.423	0.84	5.84	NoLiq	6.17	12.00	0.13
26.90	3.76	1.96	0.95	1.424	0.84	5.87	NoLiq	6.17	12.04	0.13
26.95	3.78	1.96	0.95	1.426	0.84	5.89	NoLiq	6.18	12.07	0.13
27.00	3.80	1.96	0.95	1.427	0.84	5.92	NoLiq	6.18	12.11	0.13
27.05	3.82	1.96	0.95	1.428	0.84	5.95	NoLiq	6.19	12.14	0.13
27.10	3.84	1.96	0.95	1.430	0.84	5.98	NoLiq	6.20	12.17	0.13
27.15	3.86	1.96	0.95	1.431	0.84	6.01	NoLiq	6.20	12.21	0.13
27.20	3.88	1.96	0.95	1.433	0.84	6.03	NoLiq	6.21	12.24	0.13
27.25	3.90	1.96	0.95	1.434	0.84	6.06	NoLiq	6.21	12.27	0.13
27.30	3.92	1.96	0.95	1.436	0.83	6.09	NoLiq	6.22	12.31	0.13
27.35	3.94	1.96	0.95	1.437	0.83	6.12	NoLiq	6.22	12.34	0.13
27.40	3.96	1.96	0.95	1.439	0.83	6.15	NoLiq	6.23	12.38	0.13
27.45	3.98	1.96	0.95	1.440	0.83	6.17	NoLiq	6.23	12.41	0.13
27.50	4.00	1.96	0.95	1.441	0.83	6.20	NoLiq	6.24	12.44	0.13
27.55	4.02	1.96	0.95	1.443	0.83	6.23	NoLiq	6.25	12.48	0.14
27.60	4.04	1.96	0.95	1.444	0.83	6.26	NoLiq	6.25	12.51	0.14
27.65	4.06	1.96	0.95	1.446	0.83	6.29	NoLiq	6.26	12.54	0.14
27.70	4.08	1.96	0.95	1.447	0.83	6.31	NoLiq	6.26	12.58	0.14
27.75	4.10	1.96	0.95	1.449	0.83	6.34	NoLiq	6.27	12.61	0.14
27.80	4.12	1.96	0.95	1.450	0.83	6.37	NoLiq	6.27	12.64	0.14
27.85	4.14	1.96	0.95	1.451	0.83	6.40	NoLiq	6.28	12.68	0.14
27.90	4.16	1.96	1.00	1.453	0.83	6.76	NoLiq	6.35	13.12	0.14

27.95	4.18	1.96	1.00	1.454	0.83	6.79	NoLiq	6.36	13.15	0.14
28.00	4.20	1.96	1.00	1.456	0.83	6.82	NoLiq	6.36	13.19	0.14
28.05	4.22	1.96	1.00	1.457	0.83	6.85	NoLiq	6.37	13.22	0.14
28.10	4.24	1.96	1.00	1.459	0.83	6.88	NoLiq	6.38	13.26	0.14
28.15	4.26	1.96	1.00	1.460	0.83	6.91	NoLiq	6.38	13.29	0.14
28.20	4.28	1.96	1.00	1.461	0.83	6.94	NoLiq	6.39	13.33	0.14
28.25	4.30	1.96	1.00	1.463	0.83	6.97	NoLiq	6.39	13.36	0.14
28.30	4.32	1.96	1.00	1.464	0.83	7.00	NoLiq	6.40	13.39	0.14
28.35	4.34	1.96	1.00	1.466	0.83	7.02	NoLiq	6.40	13.43	0.15
28.40	4.36	1.96	1.00	1.467	0.83	7.05	NoLiq	6.41	13.46	0.15
28.45	4.38	1.96	1.00	1.469	0.83	7.08	NoLiq	6.42	13.50	0.15
28.50	4.40	1.96	1.00	1.470	0.82	7.11	NoLiq	6.42	13.53	0.15
28.55	4.42	1.96	1.00	1.471	0.82	7.14	NoLiq	6.43	13.57	0.15
28.60	4.44	1.96	1.00	1.473	0.82	7.17	NoLiq	6.43	13.60	0.15
28.65	4.46	1.96	1.00	1.474	0.82	7.20	NoLiq	6.44	13.64	0.15
28.70	4.48	1.96	1.00	1.476	0.82	7.23	NoLiq	6.45	13.67	0.15
28.75	4.50	1.96	1.00	1.477	0.82	7.26	NoLiq	6.45	13.71	0.15
28.80	4.52	1.96	1.00	1.479	0.82	7.28	NoLiq	6.46	13.74	0.15
28.85	4.54	1.96	1.00	1.480	0.82	7.31	NoLiq	6.46	13.78	0.15
28.90	4.56	1.96	1.00	1.482	0.82	7.34	NoLiq	6.47	13.81	0.15
28.95	4.58	1.96	1.00	1.483	0.82	7.37	NoLiq	6.47	13.84	0.15
29.00	4.60	1.96	1.00	1.484	0.82	7.40	NoLiq	6.48	13.88	0.15
29.05	4.62	1.96	1.00	1.486	0.82	7.43	NoLiq	6.49	13.91	0.15
29.10	4.64	1.96	1.00	1.487	0.82	7.46	NoLiq	6.49	13.95	0.15
29.15	4.66	1.96	1.00	1.489	0.82	7.48	NoLiq	6.50	13.98	0.15
29.20	4.68	1.96	1.00	1.490	0.82	7.51	NoLiq	6.50	14.02	0.15
29.25	4.70	1.96	1.00	1.492	0.82	7.54	NoLiq	6.51	14.05	0.15
29.30	4.72	1.96	1.00	1.493	0.82	7.57	NoLiq	6.51	14.08	0.15
29.35	4.74	1.96	1.00	1.494	0.82	7.60	NoLiq	6.52	14.12	0.15
29.40	4.76	1.96	1.00	1.496	0.82	7.63	NoLiq	6.53	14.15	0.15
29.45	4.78	1.96	1.00	1.497	0.82	7.65	NoLiq	6.53	14.19	0.15
29.50	4.80	1.96	1.00	1.499	0.82	7.68	NoLiq	6.54	14.22	0.15
29.55	4.82	1.96	1.00	1.500	0.82	7.71	NoLiq	6.54	14.25	0.15
29.60	4.84	1.96	1.00	1.502	0.82	7.74	NoLiq	6.55	14.29	0.15
29.65	4.86	1.96	1.00	1.503	0.82	7.77	NoLiq	6.55	14.32	0.15
29.70	4.88	1.96	1.00	1.504	0.82	7.80	NoLiq	6.56	14.36	0.16
29.75	4.90	1.96	1.00	1.506	0.81	7.82	NoLiq	6.56	14.39	0.16
29.80	4.92	1.96	1.00	1.507	0.81	7.85	NoLiq	6.57	14.42	0.16
29.85	4.94	1.96	1.00	1.509	0.81	7.88	NoLiq	6.58	14.46	0.16
29.90	4.96	1.96	1.00	1.510	0.81	7.91	NoLiq	6.58	14.49	0.16
29.95	4.98	1.96	1.00	1.512	0.81	7.94	NoLiq	6.59	14.52	0.16
30.00	5.00	1.96	1.00	1.513	0.81	7.97	NoLiq	6.59	14.56	0.16
30.05	5.00	1.96	1.00	1.515	0.81	7.96	NoLiq	6.59	14.55	0.16
30.10	5.00	1.96	1.00	1.516	0.81	7.96	NoLiq	6.59	14.55	0.16
30.15	5.00	1.96	1.00	1.517	0.81	7.95	NoLiq	6.59	14.54	0.16
30.20	5.00	1.96	1.00	1.519	0.81	7.95	NoLiq	6.59	14.54	0.16
30.25	5.00	1.96	1.00	1.520	0.81	7.95	NoLiq	6.59	14.54	0.16
30.30	5.00	1.96	1.00	1.522	0.81	7.94	NoLiq	6.59	14.53	0.16
30.35	5.00	1.96	1.00	1.523	0.81	7.94	NoLiq	6.59	14.53	0.16
30.40	5.00	1.96	1.00	1.525	0.81	7.94	NoLiq	6.59	14.52	0.16
30.45	5.00	1.96	1.00	1.526	0.81	7.93	NoLiq	6.59	14.52	0.16
30.50	5.00	1.96	1.00	1.527	0.81	7.93	NoLiq	6.59	14.51	0.16
30.55	5.00	1.96	1.00	1.529	0.81	7.92	NoLiq	6.58	14.51	0.16
30.60	5.00	1.96	1.00	1.530	0.81	7.92	NoLiq	6.58	14.50	0.16
30.65	5.00	1.96	1.00	1.532	0.81	7.92	NoLiq	6.58	14.50	0.16
30.70	5.00	1.96	1.00	1.533	0.81	7.91	NoLiq	6.58	14.50	0.16
30.75	5.00	1.96	1.00	1.535	0.81	7.91	NoLiq	6.58	14.49	0.16
30.80	5.00	1.96	1.00	1.536	0.81	7.91	NoLiq	6.58	14.49	0.16
30.85	5.00	1.96	1.00	1.538	0.81	7.90	NoLiq	6.58	14.48	0.16
30.90	5.00	1.96	1.00	1.539	0.81	7.90	NoLiq	6.58	14.48	0.16
30.95	5.00	1.96	1.00	1.541	0.81	7.89	NoLiq	6.58	14.47	0.16
31.00	5.00	1.96	1.00	1.542	0.81	7.89	NoLiq	6.58	14.47	0.16
31.05	5.00	1.96	1.00	1.543	0.80	7.89	NoLiq	6.58	14.46	0.16
31.10	5.00	1.96	1.00	1.545	0.80	7.88	NoLiq	6.58	14.46	0.16
31.15	5.00	1.96	1.00	1.546	0.80	7.88	NoLiq	6.58	14.46	0.16
31.20	5.00	1.96	1.00	1.548	0.80	7.88	NoLiq	6.58	14.45	0.16
31.25	5.00	1.96	1.00	1.549	0.80	7.87	NoLiq	6.57	14.45	0.16
31.30	5.00	1.96	1.00	1.551	0.80	7.87	NoLiq	6.57	14.44	0.16
31.35	5.00	1.96	1.00	1.552	0.80	7.86	NoLiq	6.57	14.44	0.16
31.40	5.00	1.96	1.00	1.554	0.80	7.86	NoLiq	6.57	14.43	0.16
31.45	5.00	1.96	1.00	1.555	0.80	7.86	NoLiq	6.57	14.43	0.16
31.50	5.00	1.96	1.00	1.557	0.80	7.85	NoLiq	6.57	14.42	0.16
31.55	5.00	1.96	1.00	1.558	0.80	7.85	NoLiq	6.57	14.42	0.16

31.60	5.00	1.96	1.00	1.560	0.80	7.85	NoLiq	6.57	14.42	0.16
31.65	5.00	1.96	1.00	1.561	0.80	7.84	NoLiq	6.57	14.41	0.16
31.70	5.00	1.96	1.00	1.562	0.80	7.84	NoLiq	6.57	14.41	0.16
31.75	5.00	1.96	1.00	1.564	0.80	7.83	NoLiq	6.57	14.40	0.16
31.80	5.00	1.96	1.00	1.565	0.80	7.83	NoLiq	6.57	14.40	0.16
31.85	5.00	1.96	1.00	1.567	0.80	7.83	NoLiq	6.57	14.39	0.16
31.90	5.00	1.96	1.00	1.568	0.80	7.82	NoLiq	6.56	14.39	0.16
31.95	5.00	1.96	1.00	1.570	0.80	7.82	NoLiq	6.56	14.38	0.16
32.00	5.00	1.96	1.00	1.571	0.80	7.82	NoLiq	6.56	14.38	0.16
32.05	5.00	1.96	1.00	1.573	0.80	7.81	NoLiq	6.56	14.38	0.16
32.10	5.00	1.96	1.00	1.574	0.80	7.81	NoLiq	6.56	14.37	0.16
32.15	5.00	1.96	1.00	1.576	0.80	7.81	NoLiq	6.56	14.37	0.16
32.20	5.00	1.96	1.00	1.577	0.80	7.80	NoLiq	6.56	14.36	0.16
32.25	5.00	1.96	1.00	1.579	0.80	7.80	NoLiq	6.56	14.36	0.16
32.30	5.00	1.96	1.00	1.580	0.80	7.79	NoLiq	6.56	14.35	0.16
32.35	5.00	1.96	1.00	1.582	0.80	7.79	NoLiq	6.56	14.35	0.16
32.40	5.00	1.96	1.00	1.583	0.79	7.79	NoLiq	6.56	14.34	0.16
32.45	5.00	1.96	1.00	1.585	0.79	7.78	NoLiq	6.56	14.34	0.16
32.50	5.00	1.96	1.00	1.586	0.79	7.78	NoLiq	6.56	14.34	0.16
32.55	5.00	1.96	1.00	1.588	0.79	7.78	NoLiq	6.56	14.33	0.16
32.60	5.00	1.96	1.00	1.589	0.79	7.77	NoLiq	6.55	14.33	0.16
32.65	5.00	1.96	1.00	1.591	0.79	7.77	NoLiq	6.55	14.32	0.15
32.70	5.00	1.96	1.00	1.592	0.79	7.77	NoLiq	6.55	14.32	0.15
32.75	5.00	1.96	1.00	1.594	0.79	7.76	NoLiq	6.55	14.31	0.15
32.80	5.00	1.96	1.00	1.595	0.79	7.76	NoLiq	6.55	14.31	0.15
32.85	5.00	1.96	1.00	1.597	0.79	7.75	NoLiq	6.55	14.30	0.15
32.90	5.00	1.96	1.00	1.598	0.79	7.75	NoLiq	6.55	14.30	0.15
32.95	5.00	1.96	1.00	1.600	0.79	7.75	NoLiq	6.55	14.30	0.15
33.00	5.00	1.96	1.00	1.601	0.79	7.74	NoLiq	6.55	14.29	0.15
33.05	5.00	1.96	1.00	1.603	0.79	7.74	NoLiq	6.55	14.29	0.15
33.10	5.00	1.96	1.00	1.604	0.79	7.74	NoLiq	6.55	14.28	0.15
33.15	5.00	1.96	1.00	1.606	0.79	7.73	NoLiq	6.55	14.28	0.15
33.20	5.00	1.96	1.00	1.607	0.79	7.73	NoLiq	6.55	14.27	0.15
33.25	5.00	1.96	1.00	1.609	0.79	7.73	NoLiq	6.55	14.27	0.15
33.30	5.00	1.96	1.00	1.610	0.79	7.72	NoLiq	6.54	14.27	0.15
33.35	5.00	1.96	1.00	1.612	0.79	7.72	NoLiq	6.54	14.26	0.15
33.40	5.00	1.96	1.00	1.613	0.79	7.71	NoLiq	6.54	14.26	0.15
33.45	5.00	1.96	1.00	1.615	0.79	7.71	NoLiq	6.54	14.25	0.15
33.50	5.00	1.96	1.00	1.616	0.79	7.71	NoLiq	6.54	14.25	0.15
33.55	5.00	1.96	1.00	1.618	0.79	7.70	NoLiq	6.54	14.24	0.15
33.60	5.00	1.96	1.00	1.619	0.79	7.70	NoLiq	6.54	14.24	0.15
33.65	5.00	1.96	1.00	1.621	0.79	7.70	NoLiq	6.54	14.24	0.15
33.70	5.00	1.96	1.00	1.622	0.79	7.69	NoLiq	6.54	14.23	0.15
33.75	5.00	1.96	1.00	1.624	0.78	7.69	NoLiq	6.54	14.23	0.15
33.80	5.00	1.96	1.00	1.625	0.78	7.69	NoLiq	6.54	14.22	0.15
33.85	5.00	1.96	1.00	1.627	0.78	7.68	NoLiq	6.54	14.22	0.15
33.90	5.00	1.96	1.00	1.628	0.78	7.68	NoLiq	6.54	14.21	0.15
33.95	5.00	1.96	1.00	1.630	0.78	7.67	NoLiq	6.53	14.21	0.15
34.00	5.00	1.96	1.00	1.631	0.78	7.67	NoLiq	6.53	14.21	0.15
34.05	5.00	1.96	1.00	1.633	0.78	7.67	NoLiq	6.53	14.20	0.15
34.10	5.00	1.96	1.00	1.634	0.78	7.66	NoLiq	6.53	14.20	0.15
34.15	5.00	1.96	1.00	1.636	0.78	7.66	NoLiq	6.53	14.19	0.15
34.20	5.00	1.96	1.00	1.638	0.78	7.66	NoLiq	6.53	14.19	0.15
34.25	5.00	1.96	1.00	1.639	0.78	7.65	NoLiq	6.53	14.18	0.15
34.30	5.00	1.96	1.00	1.641	0.78	7.65	NoLiq	6.53	14.18	0.15
34.35	5.00	1.96	1.00	1.642	0.78	7.65	NoLiq	6.53	14.18	0.15
34.40	5.00	1.96	1.00	1.644	0.78	7.64	NoLiq	6.53	14.17	0.15
34.45	5.00	1.96	1.00	1.645	0.78	7.64	NoLiq	6.53	14.17	0.15
34.50	5.00	1.96	1.00	1.647	0.78	7.64	NoLiq	6.53	14.16	0.15
34.55	5.00	1.96	1.00	1.648	0.78	7.63	NoLiq	6.53	14.16	0.15
34.60	5.00	1.96	1.00	1.650	0.78	7.63	NoLiq	6.53	14.15	0.15
34.65	5.00	1.96	1.00	1.651	0.78	7.62	NoLiq	6.52	14.15	0.15
34.70	5.00	1.96	1.00	1.653	0.78	7.62	NoLiq	6.52	14.15	0.15
34.75	5.00	1.96	1.00	1.654	0.78	7.62	NoLiq	6.52	14.14	0.15
34.80	5.00	1.96	1.00	1.656	0.78	7.61	NoLiq	6.52	14.14	0.15
34.85	5.00	1.96	1.00	1.657	0.78	7.61	NoLiq	6.52	14.13	0.15
34.90	5.00	1.96	1.00	1.659	0.78	7.61	NoLiq	6.52	14.13	0.15
34.95	5.00	1.96	1.00	1.661	0.78	7.60	NoLiq	6.52	14.12	0.15
35.00	5.00	1.96	1.00	1.662	0.78	7.60	NoLiq	6.52	14.12	0.15
35.05	5.23	1.96	1.00	1.664	0.78	7.94	NoLiq	6.59	14.53	0.16
35.10	5.46	1.96	1.00	1.665	0.77	8.29	NoLiq	6.66	14.95	0.16
35.15	5.69	1.96	1.00	1.667	0.77	8.63	NoLiq	6.73	15.36	0.17
35.20	5.92	1.96	1.00	1.668	0.77	8.98	NoLiq	6.80	15.78	0.17

35.25	6.15	1.96	1.00	1.670	0.77	9.32	NoLiq	6.86	16.19	0.17
35.30	6.38	1.96	1.00	1.671	0.77	9.67	NoLiq	6.93	16.60	0.18
35.35	6.61	1.96	1.00	1.673	0.77	10.01	NoLiq	7.00	17.02	0.18
35.40	6.84	1.96	1.00	1.674	0.77	10.36	NoLiq	7.07	17.43	0.19
35.45	7.07	1.96	1.00	1.676	0.77	10.70	NoLiq	7.14	17.84	0.19
35.50	7.30	1.96	1.00	1.678	0.77	11.04	NoLiq	7.21	18.25	0.20
35.55	7.53	1.96	1.00	1.679	0.77	11.39	NoLiq	7.28	18.66	0.20
35.60	7.76	1.96	1.00	1.681	0.77	11.73	NoLiq	7.35	19.07	0.21
35.65	7.99	1.96	1.00	1.682	0.77	12.07	NoLiq	7.41	19.48	0.21
35.70	8.22	1.96	1.00	1.684	0.77	12.41	NoLiq	7.48	19.89	0.22
35.75	8.45	1.96	1.00	1.685	0.77	12.75	NoLiq	7.55	20.30	0.22
35.80	8.68	1.96	1.00	1.687	0.77	13.09	NoLiq	7.62	20.71	0.22
35.85	8.91	1.96	1.00	1.688	0.77	13.44	NoLiq	7.69	21.12	0.23
35.90	9.14	1.96	1.00	1.690	0.77	13.78	NoLiq	7.76	21.53	0.23
35.95	9.37	1.96	1.00	1.691	0.77	14.12	NoLiq	7.82	21.94	0.24
36.00	9.60	1.96	1.00	1.693	0.77	14.46	NoLiq	7.89	22.35	0.24
36.05	9.83	1.96	1.00	1.694	0.77	14.80	NoLiq	7.96	22.76	0.25
36.10	10.06	1.96	1.00	1.696	0.77	15.14	NoLiq	8.03	23.16	0.26
36.15	10.29	1.96	1.00	1.698	0.77	15.47	NoLiq	8.09	23.57	0.26
36.20	10.52	1.96	1.00	1.699	0.77	15.81	NoLiq	8.16	23.98	0.27
36.25	10.75	1.96	1.00	1.701	0.77	16.15	NoLiq	8.23	24.38	0.27
36.30	10.98	1.96	1.00	1.702	0.77	16.49	NoLiq	8.30	24.79	0.28
36.35	11.21	1.96	1.00	1.704	0.77	16.83	NoLiq	8.37	25.19	0.29
36.40	11.44	1.96	1.00	1.705	0.77	17.17	NoLiq	8.43	25.60	0.29
36.45	11.67	1.96	1.00	1.707	0.77	17.50	NoLiq	8.50	26.00	0.30
36.50	11.90	1.96	1.00	1.708	0.77	17.84	NoLiq	8.57	26.41	0.31
36.55	12.13	1.96	1.00	1.710	0.76	18.18	NoLiq	8.64	26.81	0.32
36.60	12.36	1.96	1.00	1.711	0.76	18.51	NoLiq	8.70	27.22	0.32
36.65	12.59	1.96	1.00	1.713	0.76	18.85	NoLiq	8.77	27.62	0.33
36.70	12.82	1.96	1.00	1.714	0.76	19.18	NoLiq	8.84	28.02	0.34
36.75	13.05	1.96	1.00	1.716	0.76	19.52	NoLiq	8.90	28.42	0.35
36.80	13.28	1.96	1.00	1.717	0.76	19.86	NoLiq	8.97	28.83	0.37
36.85	13.51	1.96	1.00	1.719	0.76	20.19	NoLiq	9.04	29.23	0.38
36.90	13.74	1.96	1.00	1.720	0.76	20.53	NoLiq	9.11	29.63	0.41
36.95	13.97	1.96	1.00	1.722	0.76	20.86	NoLiq	9.17	30.03	0.47
37.00	14.20	1.96	1.00	1.724	0.76	21.19	NoLiq	9.24	30.43	0.50
37.05	14.43	1.96	1.00	1.725	0.76	21.53	NoLiq	9.31	30.83	0.50
37.10	14.66	1.96	1.00	1.727	0.76	21.86	NoLiq	9.37	31.23	0.50
37.15	14.89	1.96	1.00	1.728	0.76	22.19	NoLiq	9.44	31.63	0.50
37.20	15.12	1.96	1.00	1.730	0.76	22.53	NoLiq	9.51	32.03	0.50
37.25	15.35	1.96	1.00	1.731	0.76	22.86	NoLiq	9.57	32.43	0.50
37.30	15.58	1.96	1.00	1.733	0.76	23.19	NoLiq	9.64	32.83	0.50
37.35	15.81	1.96	1.00	1.734	0.76	23.52	NoLiq	9.70	33.23	0.50
37.40	16.04	1.96	1.00	1.736	0.76	23.86	NoLiq	9.77	33.63	0.50
37.45	16.27	1.96	1.00	1.737	0.76	24.19	NoLiq	9.84	34.03	0.50
37.50	16.50	1.96	1.00	1.739	0.76	24.52	NoLiq	9.90	34.42	0.50
37.55	16.73	1.96	1.00	1.740	0.76	24.85	NoLiq	9.97	34.82	0.50
37.60	16.96	1.96	1.00	1.742	0.76	25.18	NoLiq	10.04	35.22	0.50
37.65	17.19	1.96	1.00	1.743	0.76	25.51	NoLiq	10.10	35.61	0.50
37.70	17.42	1.96	1.00	1.745	0.76	25.84	NoLiq	10.17	36.01	0.50
37.75	17.65	1.96	1.00	1.746	0.76	26.17	NoLiq	10.23	36.41	0.50
37.80	17.88	1.96	1.00	1.748	0.76	26.50	NoLiq	10.30	36.80	0.50
37.85	18.11	1.96	1.00	1.749	0.76	26.83	NoLiq	10.37	37.20	0.50
37.90	18.34	1.96	1.00	1.751	0.76	27.16	NoLiq	10.43	37.59	0.50
37.95	18.57	1.96	1.00	1.752	0.76	27.49	NoLiq	10.50	37.99	0.50
38.00	18.80	1.96	1.00	1.754	0.76	27.82	NoLiq	10.56	38.38	0.50
38.05	19.03	1.96	1.00	1.755	0.75	28.14	NoLiq	10.63	38.77	0.50
38.10	19.26	1.96	1.00	1.757	0.75	28.47	NoLiq	10.69	39.17	0.50
38.15	19.49	1.96	1.00	1.758	0.75	28.80	NoLiq	10.76	39.56	0.50
38.20	19.72	1.96	1.00	1.760	0.75	29.13	NoLiq	10.83	39.95	0.50
38.25	19.95	1.96	1.00	1.761	0.75	29.45	NoLiq	10.89	40.35	0.50
38.30	20.18	1.96	1.00	1.763	0.75	29.78	NoLiq	10.96	40.74	0.50
38.35	20.41	1.96	1.00	1.764	0.75	30.11	NoLiq	11.02	41.13	0.50
38.40	20.64	1.96	1.00	1.766	0.75	30.43	NoLiq	11.09	41.52	0.50
38.45	20.87	1.96	1.00	1.767	0.75	30.76	NoLiq	11.15	41.91	0.50
38.50	21.10	1.96	1.00	1.769	0.75	31.09	NoLiq	11.22	42.30	0.50
38.55	21.33	1.96	1.00	1.770	0.75	31.41	NoLiq	11.28	42.69	0.50
38.60	21.56	1.96	1.00	1.772	0.75	31.74	NoLiq	11.35	43.08	0.50
38.65	21.79	1.96	1.00	1.773	0.75	32.06	NoLiq	11.41	43.47	0.50
38.70	22.02	1.96	1.00	1.775	0.75	32.39	NoLiq	11.48	43.86	0.50
38.75	22.25	1.96	1.00	1.776	0.75	32.71	NoLiq	11.54	44.25	0.50
38.80	22.48	1.96	1.00	1.778	0.75	33.04	NoLiq	11.61	44.64	0.50
38.85	22.71	1.96	1.00	1.779	0.75	33.36	NoLiq	11.67	45.03	0.50

38.90	22.94	1.96	1.00	1.781	0.75	33.68	NoLiq	11.74	45.42	0.50
38.95	23.17	1.96	1.00	1.782	0.75	34.01	NoLiq	11.80	45.81	0.50
39.00	23.40	1.96	1.00	1.784	0.75	34.33	NoLiq	11.87	46.20	0.50
39.05	23.63	1.96	1.00	1.785	0.75	34.65	NoLiq	11.93	46.58	0.50
39.10	23.86	1.96	1.00	1.787	0.75	34.98	NoLiq	12.00	46.97	0.50
39.15	24.09	1.96	1.00	1.788	0.75	35.30	NoLiq	12.06	47.36	0.50
39.20	24.32	1.96	1.00	1.790	0.75	35.62	NoLiq	12.12	47.74	0.50
39.25	24.55	1.96	1.00	1.791	0.75	35.94	NoLiq	12.19	48.13	0.50
39.30	24.78	1.96	1.00	1.793	0.75	36.26	NoLiq	12.25	48.52	0.50
39.35	25.01	1.96	1.00	1.794	0.75	36.58	NoLiq	12.32	48.90	0.50
39.40	25.24	1.96	1.00	1.796	0.75	36.91	NoLiq	12.38	49.29	0.50
39.45	25.47	1.96	1.00	1.797	0.75	37.23	NoLiq	12.45	49.67	0.50
39.50	25.70	1.96	1.00	1.799	0.75	37.55	NoLiq	12.51	50.06	0.50
39.55	25.93	1.96	1.00	1.800	0.75	37.87	NoLiq	12.57	50.44	0.50
39.60	26.16	1.96	1.00	1.802	0.74	38.19	NoLiq	12.64	50.83	0.50
39.65	26.39	1.96	1.00	1.803	0.74	38.51	NoLiq	12.70	51.21	0.50
39.70	26.62	1.96	1.00	1.805	0.74	38.83	NoLiq	12.77	51.59	0.50
39.75	26.85	1.96	1.00	1.806	0.74	39.15	NoLiq	12.83	51.98	0.50
39.80	27.08	1.96	1.00	1.808	0.74	39.47	NoLiq	12.89	52.36	0.50
39.85	27.31	1.96	1.00	1.809	0.74	39.78	NoLiq	12.96	52.74	0.50
39.90	27.54	1.96	1.00	1.811	0.74	40.10	NoLiq	13.02	53.12	0.50
39.95	27.77	1.96	1.00	1.812	0.74	40.42	NoLiq	13.08	53.51	0.50
40.00	28.00	1.96	1.00	1.814	0.74	40.74	NoLiq	13.15	53.89	0.50
40.05	28.00	1.96	1.00	1.815	0.74	40.73	NoLiq	13.15	53.87	0.50
40.10	28.00	1.96	1.00	1.817	0.74	40.71	NoLiq	13.14	53.85	0.50
40.15	28.00	1.96	1.00	1.818	0.74	40.69	NoLiq	13.14	53.83	0.50
40.20	28.00	1.96	1.00	1.820	0.74	40.68	NoLiq	13.14	53.81	0.50
40.25	28.00	1.96	1.00	1.821	0.74	40.66	NoLiq	13.13	53.79	0.50
40.30	28.00	1.96	1.00	1.823	0.74	40.64	NoLiq	13.13	53.77	0.50
40.35	28.00	1.96	1.00	1.824	0.74	40.62	NoLiq	13.12	53.75	0.50
40.40	28.00	1.96	1.00	1.826	0.74	40.61	NoLiq	13.12	53.73	0.50
40.45	28.00	1.96	1.00	1.827	0.74	40.59	NoLiq	13.12	53.71	0.50
40.50	28.00	1.96	1.00	1.829	0.74	40.57	NoLiq	13.11	53.69	0.50
40.55	28.00	1.96	1.00	1.830	0.74	40.56	NoLiq	13.11	53.67	0.50
40.60	28.00	1.96	1.00	1.832	0.74	40.54	NoLiq	13.11	53.65	0.50
40.65	28.00	1.96	1.00	1.833	0.74	40.52	NoLiq	13.10	53.63	0.50
40.70	28.00	1.96	1.00	1.835	0.74	40.51	NoLiq	13.10	53.61	0.50
40.75	28.00	1.96	1.00	1.836	0.74	40.49	NoLiq	13.10	53.59	0.50
40.80	28.00	1.96	1.00	1.838	0.74	40.47	NoLiq	13.09	53.57	0.50
40.85	28.00	1.96	1.00	1.839	0.74	40.46	NoLiq	13.09	53.55	0.50
40.90	28.00	1.96	1.00	1.841	0.74	40.44	NoLiq	13.09	53.53	0.50
40.95	28.00	1.96	1.00	1.842	0.74	40.42	NoLiq	13.08	53.51	0.50
41.00	28.00	1.96	1.00	1.844	0.74	40.41	NoLiq	13.08	53.49	0.50
41.05	28.00	1.96	1.00	1.846	0.74	40.39	NoLiq	13.08	53.47	0.50
41.10	28.00	1.96	1.00	1.847	0.74	40.37	NoLiq	13.07	53.45	0.50
41.15	28.00	1.96	1.00	1.849	0.74	40.35	NoLiq	13.07	53.43	0.50
41.20	28.00	1.96	1.00	1.850	0.74	40.34	NoLiq	13.07	53.41	0.50
41.25	28.00	1.96	1.00	1.852	0.73	40.32	NoLiq	13.06	53.38	0.50
41.30	28.00	1.96	1.00	1.853	0.73	40.30	NoLiq	13.06	53.36	0.50
41.35	28.00	1.96	1.00	1.855	0.73	40.29	NoLiq	13.06	53.34	0.50
41.40	28.00	1.96	1.00	1.857	0.73	40.27	NoLiq	13.05	53.32	0.50
41.45	28.00	1.96	1.00	1.858	0.73	40.25	NoLiq	13.05	53.30	0.50
41.50	28.00	1.96	1.00	1.860	0.73	40.24	NoLiq	13.05	53.28	0.50
41.55	28.00	1.96	1.00	1.861	0.73	40.22	NoLiq	13.04	53.26	0.50
41.60	28.00	1.96	1.00	1.863	0.73	40.20	NoLiq	13.04	53.24	0.50
41.65	28.00	1.96	1.00	1.864	0.73	40.18	NoLiq	13.04	53.22	0.50
41.70	28.00	1.96	1.00	1.866	0.73	40.17	NoLiq	13.03	53.20	0.50
41.75	28.00	1.96	1.00	1.868	0.73	40.15	NoLiq	13.03	53.18	0.50
41.80	28.00	1.96	1.00	1.869	0.73	40.13	NoLiq	13.03	53.16	0.50
41.85	28.00	1.96	1.00	1.871	0.73	40.12	NoLiq	13.02	53.14	0.50
41.90	28.00	1.96	1.00	1.872	0.73	40.10	NoLiq	13.02	53.12	0.50
41.95	28.00	1.96	1.00	1.874	0.73	40.08	NoLiq	13.02	53.10	0.50
42.00	28.00	1.96	1.00	1.876	0.73	40.06	NoLiq	13.01	53.08	0.50
42.05	28.00	1.96	1.00	1.877	0.73	40.05	NoLiq	13.01	53.06	0.50
42.10	28.00	1.96	1.00	1.879	0.73	40.03	NoLiq	13.01	53.03	0.50
42.15	28.00	1.96	1.00	1.881	0.73	40.01	NoLiq	13.00	53.01	0.50
42.20	28.00	1.96	1.00	1.882	0.73	39.99	NoLiq	13.00	52.99	0.50
42.25	28.00	1.96	1.00	1.884	0.73	39.98	NoLiq	13.00	52.97	0.50
42.30	28.00	1.96	1.00	1.885	0.73	39.96	NoLiq	12.99	52.95	0.50
42.35	28.00	1.96	1.00	1.887	0.73	39.94	NoLiq	12.99	52.93	0.50
42.40	28.00	1.96	1.00	1.889	0.73	39.93	NoLiq	12.99	52.91	0.50
42.45	28.00	1.96	1.00	1.890	0.73	39.91	NoLiq	12.98	52.89	0.50
42.50	28.00	1.96	1.00	1.892	0.73	39.89	NoLiq	12.98	52.87	0.50

42.55	28.00	1.96	1.00	1.894	0.73	39.87	NoLiq	12.97	52.85	0.50
42.60	28.00	1.96	1.00	1.895	0.73	39.86	NoLiq	12.97	52.83	0.50
42.65	28.00	1.96	1.00	1.897	0.73	39.84	NoLiq	12.97	52.81	0.50
42.70	28.00	1.96	1.00	1.899	0.73	39.82	NoLiq	12.96	52.79	0.50
42.75	28.00	1.96	1.00	1.900	0.73	39.80	NoLiq	12.96	52.76	0.50
42.80	28.00	1.96	1.00	1.902	0.73	39.79	NoLiq	12.96	52.74	0.50
42.85	28.00	1.96	1.00	1.904	0.72	39.77	NoLiq	12.95	52.72	0.50
42.90	28.00	1.96	1.00	1.905	0.72	39.75	NoLiq	12.95	52.70	0.50
42.95	28.00	1.96	1.00	1.907	0.72	39.73	NoLiq	12.95	52.68	0.50
43.00	28.00	1.96	1.00	1.909	0.72	39.72	NoLiq	12.94	52.66	0.50
43.05	28.00	1.96	1.00	1.910	0.72	39.70	NoLiq	12.94	52.64	0.50
43.10	28.00	1.96	1.00	1.912	0.72	39.68	NoLiq	12.94	52.62	0.50
43.15	28.00	1.96	1.00	1.914	0.72	39.66	NoLiq	12.93	52.60	0.50
43.20	28.00	1.96	1.00	1.915	0.72	39.65	NoLiq	12.93	52.58	0.50
43.25	28.00	1.96	1.00	1.917	0.72	39.63	NoLiq	12.93	52.55	0.50
43.30	28.00	1.96	1.00	1.919	0.72	39.61	NoLiq	12.92	52.53	0.50
43.35	28.00	1.96	1.00	1.920	0.72	39.59	NoLiq	12.92	52.51	0.50
43.40	28.00	1.96	1.00	1.922	0.72	39.58	NoLiq	12.92	52.49	0.50
43.45	28.00	1.96	1.00	1.924	0.72	39.56	NoLiq	12.91	52.47	0.50
43.50	28.00	1.96	1.00	1.926	0.72	39.54	NoLiq	12.91	52.45	0.50
43.55	28.00	1.96	1.00	1.927	0.72	39.52	NoLiq	12.90	52.43	0.50
43.60	28.00	1.96	1.00	1.929	0.72	39.51	NoLiq	12.90	52.41	0.50
43.65	28.00	1.96	1.00	1.931	0.72	39.49	NoLiq	12.90	52.39	0.50
43.70	28.00	1.96	1.00	1.932	0.72	39.47	NoLiq	12.89	52.36	0.50
43.75	28.00	1.96	1.00	1.934	0.72	39.45	NoLiq	12.89	52.34	0.50
43.80	28.00	1.96	1.00	1.936	0.72	39.44	NoLiq	12.89	52.32	0.50
43.85	28.00	1.96	1.00	1.938	0.72	39.42	NoLiq	12.88	52.30	0.50
43.90	28.00	1.96	1.00	1.939	0.72	39.40	NoLiq	12.88	52.28	0.50
43.95	28.00	1.96	1.00	1.941	0.72	39.38	NoLiq	12.88	52.26	0.50
44.00	28.00	1.96	1.00	1.943	0.72	39.36	NoLiq	12.87	52.24	0.50
44.05	28.00	1.96	1.00	1.945	0.72	39.35	NoLiq	12.87	52.22	0.50
44.10	28.00	1.96	1.00	1.946	0.72	39.33	NoLiq	12.87	52.19	0.50
44.15	28.00	1.96	1.00	1.948	0.72	39.31	NoLiq	12.86	52.17	0.50
44.20	28.00	1.96	1.00	1.950	0.72	39.29	NoLiq	12.86	52.15	0.50
44.25	28.00	1.96	1.00	1.952	0.72	39.28	NoLiq	12.86	52.13	0.50
44.30	28.00	1.96	1.00	1.953	0.72	39.26	NoLiq	12.85	52.11	0.50
44.35	28.00	1.96	1.00	1.955	0.72	39.24	NoLiq	12.85	52.09	0.50
44.40	28.00	1.96	1.00	1.957	0.71	39.22	NoLiq	12.84	52.07	0.50
44.45	28.00	1.96	1.00	1.959	0.71	39.20	NoLiq	12.84	52.05	0.50
44.50	28.00	1.96	1.00	1.961	0.71	39.19	NoLiq	12.84	52.02	0.50
44.55	28.00	1.96	1.00	1.962	0.71	39.17	NoLiq	12.83	52.00	0.50
44.60	28.00	1.96	1.00	1.964	0.71	39.15	NoLiq	12.83	51.98	0.50
44.65	28.00	1.96	1.00	1.966	0.71	39.13	NoLiq	12.83	51.96	0.50
44.70	28.00	1.96	1.00	1.968	0.71	39.12	NoLiq	12.82	51.94	0.50
44.75	28.00	1.96	1.00	1.969	0.71	39.10	NoLiq	12.82	51.92	0.50
44.80	28.00	1.96	1.00	1.971	0.71	39.08	NoLiq	12.82	51.90	0.50
44.85	28.00	1.96	1.00	1.973	0.71	39.06	NoLiq	12.81	51.87	0.50
44.90	28.00	1.96	1.00	1.975	0.71	39.04	NoLiq	12.81	51.85	0.50
44.95	28.00	1.96	1.00	1.977	0.71	39.03	NoLiq	12.81	51.83	0.50
45.00	28.00	1.96	1.00	1.978	0.71	39.01	NoLiq	12.80	51.81	0.50
45.05	28.17	1.96	1.00	1.980	0.71	39.23	NoLiq	12.85	52.07	0.50
45.10	28.34	1.96	1.00	1.982	0.71	39.44	99.20	12.89	52.33	0.50
45.15	28.51	1.96	1.00	1.984	0.71	39.66	98.29	12.93	52.60	0.50
45.20	28.68	1.96	1.00	1.986	0.71	39.88	97.38	12.98	52.86	0.50
45.25	28.85	1.96	1.00	1.988	0.71	40.10	96.48	13.02	53.12	0.50
45.30	29.02	1.96	1.00	1.989	0.71	40.32	95.57	13.06	53.38	0.50
45.35	29.19	1.96	1.00	1.991	0.71	40.53	94.67	13.11	53.64	0.50
45.40	29.36	1.96	1.00	1.993	0.71	40.75	93.76	13.15	53.90	0.50
45.45	29.53	1.96	1.00	1.995	0.71	40.97	92.85	13.19	54.16	0.50
45.50	29.70	1.96	1.00	1.997	0.71	41.19	91.95	13.24	54.42	0.50
45.55	29.87	1.96	1.00	1.998	0.71	41.40	91.04	13.28	54.69	0.50
45.60	30.04	1.96	1.00	2.000	0.71	41.62	90.14	13.32	54.95	0.50
45.65	30.21	1.96	1.00	2.002	0.71	41.84	89.23	13.37	55.21	0.50
45.70	30.38	1.96	1.00	2.004	0.71	42.05	88.32	13.41	55.47	0.50
45.75	30.55	1.96	1.00	2.006	0.71	42.27	87.42	13.45	55.72	0.50
45.80	30.72	1.96	1.00	2.007	0.71	42.49	86.51	13.50	55.98	0.50
45.85	30.89	1.96	1.00	2.009	0.71	42.70	85.61	13.54	56.24	0.50
45.90	31.06	1.96	1.00	2.011	0.71	42.92	84.70	13.58	56.50	0.50
45.95	31.23	1.96	1.00	2.013	0.70	43.13	83.79	13.63	56.76	0.50
46.00	31.40	1.96	1.00	2.015	0.70	43.35	82.89	13.67	57.02	0.50
46.05	31.57	1.96	1.00	2.016	0.70	43.57	81.98	13.71	57.28	0.50
46.10	31.74	1.96	1.00	2.018	0.70	43.78	81.08	13.76	57.54	0.50
46.15	31.91	1.96	1.00	2.020	0.70	44.00	80.17	13.80	57.79	0.50

46.20	32.08	1.96	1.00	2.022	0.70	44.21	79.26	13.84	58.05	0.50
46.25	32.25	1.96	1.00	2.023	0.70	44.43	78.36	13.89	58.31	0.50
46.30	32.42	1.96	1.00	2.025	0.70	44.64	77.45	13.93	58.57	0.50
46.35	32.59	1.96	1.00	2.027	0.70	44.85	76.55	13.97	58.82	0.50
46.40	32.76	1.96	1.00	2.029	0.70	45.07	75.64	14.01	59.08	0.50
46.45	32.93	1.96	1.00	2.031	0.70	45.28	74.73	14.06	59.34	0.50
46.50	33.10	1.96	1.00	2.032	0.70	45.50	73.83	14.10	59.60	0.50
46.55	33.27	1.96	1.00	2.034	0.70	45.71	72.92	14.14	59.85	0.50
46.60	33.44	1.96	1.00	2.036	0.70	45.92	72.02	14.18	60.11	0.50
46.65	33.61	1.96	1.00	2.038	0.70	46.14	71.11	14.23	60.36	0.50
46.70	33.78	1.96	1.00	2.039	0.70	46.35	70.20	14.27	60.62	0.50
46.75	33.95	1.96	1.00	2.041	0.70	46.56	69.30	14.31	60.88	0.50
46.80	34.12	1.96	1.00	2.043	0.70	46.78	68.39	14.36	61.13	0.50
46.85	34.29	1.96	1.00	2.045	0.70	46.99	67.49	14.40	61.39	0.50
46.90	34.46	1.96	1.00	2.047	0.70	47.20	66.58	14.44	61.64	0.50
46.95	34.63	1.96	1.00	2.048	0.70	47.41	65.67	14.48	61.90	0.50
47.00	34.80	1.96	1.00	2.050	0.70	47.63	64.77	14.53	62.15	0.50
47.05	34.97	1.96	1.00	2.052	0.70	47.84	63.86	14.57	62.41	0.50
47.10	35.14	1.96	1.00	2.054	0.70	48.05	62.96	14.61	62.66	0.50
47.15	35.31	1.96	1.00	2.055	0.70	48.26	62.05	14.65	62.91	0.50
47.20	35.48	1.96	1.00	2.057	0.70	48.47	61.14	14.69	63.17	0.50
47.25	35.65	1.96	1.00	2.059	0.70	48.68	60.24	14.74	63.42	0.50
47.30	35.82	1.96	1.00	2.061	0.70	48.90	59.33	14.78	63.67	0.50
47.35	35.99	1.96	1.00	2.062	0.70	49.11	58.43	14.82	63.93	0.50
47.40	36.16	1.96	1.00	2.064	0.70	49.32	57.52	14.86	64.18	0.50
47.45	36.33	1.96	1.00	2.066	0.70	49.53	56.61	14.91	64.43	0.50
47.50	36.50	1.96	1.00	2.068	0.70	49.74	55.71	14.95	64.69	0.50
47.55	36.67	1.96	1.00	2.069	0.70	49.95	54.80	14.99	64.94	0.50
47.60	36.84	1.96	1.00	2.071	0.69	50.16	53.90	15.03	65.19	0.50
47.65	37.01	1.96	1.00	2.073	0.69	50.37	52.99	15.07	65.44	0.50
47.70	37.18	1.96	1.00	2.075	0.69	50.58	52.08	15.12	65.70	0.50
47.75	37.35	1.96	1.00	2.076	0.69	50.79	51.18	15.16	65.95	0.50
47.80	37.52	1.96	1.00	2.078	0.69	51.00	50.27	15.20	66.20	0.50
47.85	37.69	1.96	1.00	2.080	0.69	51.21	49.37	15.24	66.45	0.50
47.90	37.86	1.96	1.00	2.082	0.69	51.42	48.46	15.28	66.70	0.50
47.95	38.03	1.96	1.00	2.083	0.69	51.63	47.55	15.33	66.95	0.50
48.00	38.20	1.96	1.00	2.085	0.69	51.84	46.65	15.37	67.20	0.50
48.05	38.37	1.96	1.00	2.087	0.69	52.05	45.74	15.41	67.46	0.50
48.10	38.54	1.96	1.00	2.089	0.69	52.26	44.84	15.45	67.71	0.50
48.15	38.71	1.96	1.00	2.090	0.69	52.46	43.93	15.49	67.96	0.50
48.20	38.88	1.96	1.00	2.092	0.69	52.67	43.02	15.53	68.21	0.50
48.25	39.05	1.96	1.00	2.094	0.69	52.88	42.12	15.58	68.46	0.50
48.30	39.22	1.96	1.00	2.096	0.69	53.09	41.21	15.62	68.71	0.50
48.35	39.39	1.96	1.00	2.097	0.69	53.30	40.31	15.66	68.96	0.50
48.40	39.56	1.96	1.00	2.099	0.69	53.50	39.40	15.70	69.21	0.50
48.45	39.73	1.96	1.00	2.101	0.69	53.71	38.49	15.74	69.46	0.50
48.50	39.90	1.96	1.00	2.103	0.69	53.92	37.59	15.78	69.70	0.50
48.55	40.07	1.96	1.00	2.104	0.69	54.13	36.68	15.83	69.95	0.50
48.60	40.24	1.96	1.00	2.106	0.69	54.34	35.78	15.87	70.20	0.50
48.65	40.41	1.96	1.00	2.108	0.69	54.54	34.87	15.66	70.20	0.50
48.70	40.58	1.96	1.00	2.109	0.69	54.75	33.96	15.22	69.97	0.50
48.75	40.75	1.96	1.00	2.111	0.69	54.96	33.06	14.78	69.74	0.50
48.80	40.92	1.96	1.00	2.113	0.69	55.16	32.15	14.34	69.51	0.50
48.85	41.09	1.96	1.00	2.115	0.69	55.37	31.25	13.90	69.27	0.50
48.90	41.26	1.96	1.00	2.116	0.69	55.58	30.34	13.46	69.04	0.50
48.95	41.43	1.96	1.00	2.118	0.69	55.78	29.43	13.02	68.80	0.50
49.00	41.60	1.96	1.00	2.120	0.69	55.99	28.53	12.57	68.56	0.50
49.05	41.77	1.96	1.00	2.121	0.69	56.19	27.62	12.13	68.32	0.50
49.10	41.94	1.96	1.00	2.123	0.69	56.40	26.72	11.68	68.08	0.50
49.15	42.11	1.96	1.00	2.125	0.69	56.61	25.81	11.23	67.83	0.50
49.20	42.28	1.96	1.00	2.127	0.69	56.81	24.90	10.77	67.58	0.50
49.25	42.45	1.96	1.00	2.128	0.69	57.02	24.00	10.31	67.33	0.50
49.30	42.62	1.96	1.00	2.130	0.69	57.22	23.09	9.85	67.07	0.50
49.35	42.79	1.96	1.00	2.132	0.68	57.43	22.19	9.38	66.81	0.50
49.40	42.96	1.96	1.00	2.133	0.68	57.63	21.28	8.90	66.54	0.50
49.45	43.13	1.96	1.00	2.135	0.68	57.84	20.37	8.42	66.26	0.50
49.50	43.30	1.96	1.00	2.137	0.68	58.04	19.47	7.93	65.97	0.50
49.55	43.47	1.96	1.00	2.139	0.68	58.25	18.56	7.42	65.67	0.50
49.60	43.64	1.96	1.00	2.140	0.68	58.45	17.66	6.91	65.36	0.50
49.65	43.81	1.96	1.00	2.142	0.68	58.66	16.75	6.39	65.04	0.50
49.70	43.98	1.96	1.00	2.144	0.68	58.86	15.84	5.85	64.71	0.50
49.75	44.15	1.96	1.00	2.145	0.68	59.07	14.94	5.30	64.37	0.50
49.80	44.32	1.96	1.00	2.147	0.68	59.27	14.03	4.74	64.01	0.50

49.85	44.49	1.96	1.00	2.149	0.68	59.47	13.13	4.16	63.64	0.50
49.90	44.66	1.96	1.00	2.150	0.68	59.68	12.22	3.58	63.26	0.50
49.95	44.83	1.96	1.00	2.152	0.68	59.88	11.31	3.00	62.88	0.50
50.00	45.00	1.96	1.00	2.154	0.68	60.08	10.41	2.42	62.51	0.50
50.05	45.00	1.96	1.00	2.156	0.68	60.06	10.40	2.42	62.48	0.50
50.10	45.00	1.96	1.00	2.157	0.68	60.04	10.40	2.42	62.46	0.50
50.15	45.00	1.96	1.00	2.159	0.68	60.02	10.40	2.42	62.43	0.50
50.20	45.00	1.96	1.00	2.161	0.68	59.99	10.40	2.42	62.41	0.50
50.25	45.00	1.96	1.00	2.162	0.68	59.97	10.40	2.41	62.38	0.50
50.30	45.00	1.96	1.00	2.164	0.68	59.95	10.40	2.41	62.36	0.50
50.35	45.00	1.96	1.00	2.166	0.68	59.92	10.40	2.41	62.34	0.50
50.40	45.00	1.96	1.00	2.167	0.68	59.90	10.40	2.41	62.31	0.50
50.45	45.00	1.96	1.00	2.169	0.68	59.88	10.40	2.41	62.29	0.50
50.50	45.00	1.96	1.00	2.170	0.68	59.86	10.40	2.41	62.27	0.50
50.55	45.00	1.96	1.00	2.172	0.68	59.83	10.40	2.41	62.24	0.50
50.60	45.00	1.96	1.00	2.174	0.68	59.81	10.40	2.41	62.22	0.50
50.65	45.00	1.96	1.00	2.175	0.68	59.79	10.40	2.41	62.20	0.50
50.70	45.00	1.96	1.00	2.177	0.68	59.77	10.40	2.41	62.18	0.50
50.75	45.00	1.96	1.00	2.179	0.68	59.74	10.40	2.41	62.15	0.50
50.80	45.00	1.96	1.00	2.180	0.68	59.72	10.40	2.41	62.13	0.50
50.85	45.00	1.96	1.00	2.182	0.68	59.70	10.40	2.41	62.11	0.50
50.90	45.00	1.96	1.00	2.183	0.68	59.68	10.40	2.41	62.09	0.50
50.95	45.00	1.96	1.00	2.185	0.68	59.66	10.40	2.41	62.07	0.50
51.00	45.00	1.96	1.00	2.186	0.68	59.64	10.40	2.41	62.04	0.50
51.05	45.00	1.96	1.00	2.188	0.68	59.61	10.40	2.41	62.02	0.50
51.10	45.00	1.96	1.00	2.190	0.68	59.59	10.40	2.41	62.00	0.50
51.15	45.00	1.96	1.00	2.191	0.68	59.57	10.40	2.41	61.98	0.50
51.20	45.00	1.96	1.00	2.193	0.68	59.55	10.40	2.41	61.96	0.50
51.25	45.00	1.96	1.00	2.194	0.68	59.53	10.40	2.40	61.94	0.50
51.30	45.00	1.96	1.00	2.196	0.67	59.51	10.40	2.40	61.91	0.50
51.35	45.00	1.96	1.00	2.197	0.67	59.49	10.40	2.40	61.89	0.50
51.40	45.00	1.96	1.00	2.199	0.67	59.47	10.40	2.40	61.87	0.50
51.45	45.00	1.96	1.00	2.200	0.67	59.45	10.40	2.40	61.85	0.50
51.50	45.00	1.96	1.00	2.202	0.67	59.43	10.40	2.40	61.83	0.50
51.55	45.00	1.96	1.00	2.203	0.67	59.41	10.40	2.40	61.81	0.50
51.60	45.00	1.96	1.00	2.205	0.67	59.39	10.40	2.40	61.79	0.50
51.65	45.00	1.96	1.00	2.206	0.67	59.37	10.40	2.40	61.77	0.50
51.70	45.00	1.96	1.00	2.208	0.67	59.35	10.40	2.40	61.75	0.50
51.75	45.00	1.96	1.00	2.209	0.67	59.33	10.40	2.40	61.73	0.50
51.80	45.00	1.96	1.00	2.211	0.67	59.31	10.40	2.40	61.71	0.50
51.85	45.00	1.96	1.00	2.212	0.67	59.29	10.40	2.40	61.69	0.50
51.90	45.00	1.96	1.00	2.214	0.67	59.27	10.40	2.40	61.67	0.50
51.95	45.00	1.96	1.00	2.215	0.67	59.25	10.40	2.40	61.65	0.50
52.00	45.00	1.96	1.00	2.217	0.67	59.23	10.40	2.40	61.63	0.50
52.05	45.00	1.96	1.00	2.218	0.67	59.21	10.40	2.40	61.61	0.50
52.10	45.00	1.96	1.00	2.219	0.67	59.19	10.40	2.40	61.59	0.50
52.15	45.00	1.96	1.00	2.221	0.67	59.17	10.40	2.40	61.57	0.50
52.20	45.00	1.96	1.00	2.222	0.67	59.15	10.40	2.40	61.55	0.50
52.25	45.00	1.96	1.00	2.224	0.67	59.14	10.40	2.40	61.53	0.50
52.30	45.00	1.96	1.00	2.225	0.67	59.12	10.40	2.39	61.51	0.50
52.35	45.00	1.96	1.00	2.226	0.67	59.10	10.40	2.39	61.49	0.50
52.40	45.00	1.96	1.00	2.228	0.67	59.08	10.40	2.39	61.47	0.50
52.45	45.00	1.96	1.00	2.229	0.67	59.06	10.40	2.39	61.46	0.50
52.50	45.00	1.96	1.00	2.231	0.67	59.04	10.40	2.39	61.44	0.50
52.55	45.00	1.96	1.00	2.232	0.67	59.03	10.40	2.39	61.42	0.50
52.60	45.00	1.96	1.00	2.233	0.67	59.01	10.40	2.39	61.40	0.50
52.65	45.00	1.96	1.00	2.235	0.67	58.99	10.40	2.39	61.38	0.50
52.70	45.00	1.96	1.00	2.236	0.67	58.97	10.40	2.39	61.36	0.50
52.75	45.00	1.96	1.00	2.237	0.67	58.95	10.40	2.39	61.34	0.50
52.80	45.00	1.96	1.00	2.239	0.67	58.94	10.40	2.39	61.33	0.50
52.85	45.00	1.96	1.00	2.240	0.67	58.92	10.40	2.39	61.31	0.50
52.90	45.00	1.96	1.00	2.241	0.67	58.90	10.40	2.39	61.29	0.50
52.95	45.00	1.96	1.00	2.243	0.67	58.88	10.40	2.39	61.27	0.50
53.00	45.00	1.96	1.00	2.244	0.67	58.87	10.40	2.39	61.26	0.50
53.05	45.00	1.96	1.00	2.245	0.67	58.85	10.40	2.39	61.24	0.50
53.10	45.00	1.96	1.00	2.247	0.67	58.83	10.40	2.39	61.22	0.50
53.15	45.00	1.96	1.00	2.248	0.67	58.82	10.40	2.39	61.20	0.50
53.20	45.00	1.96	1.00	2.249	0.67	58.80	10.40	2.39	61.19	0.50
53.25	45.00	1.96	1.00	2.250	0.67	58.78	10.40	2.39	61.17	0.50
53.30	45.00	1.96	1.00	2.252	0.67	58.76	10.40	2.39	61.15	0.50
53.35	45.00	1.96	1.00	2.253	0.67	58.75	10.40	2.39	61.13	0.50
53.40	45.00	1.96	1.00	2.254	0.67	58.73	10.40	2.39	61.12	0.50
53.45	45.00	1.96	1.00	2.256	0.67	58.72	10.40	2.39	61.10	0.50

53.50	45.00	1.96	1.00	2.257	0.67	58.70	10.40	2.39	61.08	0.50
53.55	45.00	1.96	1.00	2.258	0.67	58.68	10.40	2.38	61.07	0.50
53.60	45.00	1.96	1.00	2.259	0.67	58.67	10.40	2.38	61.05	0.50
53.65	45.00	1.96	1.00	2.261	0.67	58.65	10.40	2.38	61.04	0.50
53.70	45.00	1.96	1.00	2.262	0.66	58.64	10.40	2.38	61.02	0.50
53.75	45.00	1.96	1.00	2.263	0.66	58.62	10.40	2.38	61.00	0.50
53.80	45.00	1.96	1.00	2.264	0.66	58.60	10.40	2.38	60.99	0.50
53.85	45.00	1.96	1.00	2.265	0.66	58.59	10.40	2.38	60.97	0.50
53.90	45.00	1.96	1.00	2.267	0.66	58.57	10.40	2.38	60.95	0.50
53.95	45.00	1.96	1.00	2.268	0.66	58.56	10.40	2.38	60.94	0.50
54.00	45.00	1.96	1.00	2.269	0.66	58.54	10.40	2.38	60.92	0.50
54.05	45.00	1.96	1.00	2.270	0.66	58.53	10.40	2.38	60.91	0.50
54.10	45.00	1.96	1.00	2.271	0.66	58.51	10.40	2.38	60.89	0.50
54.15	45.00	1.96	1.00	2.272	0.66	58.50	10.40	2.38	60.88	0.50
54.20	45.00	1.96	1.00	2.274	0.66	58.48	10.40	2.38	60.86	0.50
54.25	45.00	1.96	1.00	2.275	0.66	58.47	10.40	2.38	60.85	0.50
54.30	45.00	1.96	1.00	2.276	0.66	58.45	10.40	2.38	60.83	0.50
54.35	45.00	1.96	1.00	2.277	0.66	58.44	10.40	2.38	60.82	0.50
54.40	45.00	1.96	1.00	2.278	0.66	58.42	10.40	2.38	60.80	0.50
54.45	45.00	1.96	1.00	2.279	0.66	58.41	10.40	2.38	60.79	0.50
54.50	45.00	1.96	1.00	2.280	0.66	58.39	10.40	2.38	60.77	0.50
54.55	45.00	1.96	1.00	2.282	0.66	58.38	10.40	2.38	60.76	0.50
54.60	45.00	1.96	1.00	2.283	0.66	58.37	10.40	2.38	60.74	0.50
54.65	45.00	1.96	1.00	2.284	0.66	58.35	10.40	2.38	60.73	0.50
54.70	45.00	1.96	1.00	2.285	0.66	58.34	10.40	2.38	60.71	0.50
54.75	45.00	1.96	1.00	2.286	0.66	58.32	10.40	2.38	60.70	0.50
54.80	45.00	1.96	1.00	2.287	0.66	58.31	10.40	2.38	60.69	0.50
54.85	45.00	1.96	1.00	2.288	0.66	58.30	10.40	2.38	60.67	0.50
54.90	45.00	1.96	1.00	2.289	0.66	58.28	10.40	2.38	60.66	0.50
54.95	45.00	1.96	1.00	2.290	0.66	58.27	10.40	2.37	60.64	0.50
55.00	45.00	1.96	1.00	2.291	0.66	58.26	10.40	2.37	60.63	0.50
55.05	44.99	1.96	1.00	2.292	0.66	58.23	10.40	2.37	60.60	0.50
55.10	44.98	1.96	1.00	2.293	0.66	58.20	10.40	2.37	60.58	0.50
55.15	44.97	1.96	1.00	2.294	0.66	58.18	10.40	2.37	60.55	0.50
55.20	44.96	1.96	1.00	2.296	0.66	58.15	10.40	2.37	60.52	0.50
55.25	44.95	1.96	1.00	2.297	0.66	58.12	10.40	2.37	60.50	0.50
55.30	44.94	1.96	1.00	2.298	0.66	58.10	10.40	2.37	60.47	0.50
55.35	44.93	1.96	1.00	2.299	0.66	58.07	10.40	2.37	60.44	0.50
55.40	44.92	1.96	1.00	2.300	0.66	58.05	10.40	2.37	60.42	0.50
55.45	44.91	1.96	1.00	2.301	0.66	58.02	10.40	2.37	60.39	0.50
55.50	44.90	1.96	1.00	2.302	0.66	57.99	10.40	2.37	60.36	0.50
55.55	44.89	1.96	1.00	2.303	0.66	57.97	10.40	2.37	60.33	0.50
55.60	44.88	1.96	1.00	2.304	0.66	57.94	10.40	2.37	60.31	0.50
55.65	44.87	1.96	1.00	2.305	0.66	57.91	10.40	2.37	60.28	0.50
55.70	44.86	1.96	1.00	2.306	0.66	57.89	10.40	2.37	60.25	0.50
55.75	44.85	1.96	1.00	2.307	0.66	57.86	10.40	2.37	60.23	0.50
55.80	44.84	1.96	1.00	2.308	0.66	57.84	10.40	2.36	60.20	0.50
55.85	44.83	1.96	1.00	2.309	0.66	57.81	10.40	2.36	60.17	0.50
55.90	44.82	1.96	1.00	2.310	0.66	57.78	10.40	2.36	60.15	0.50
55.95	44.81	1.96	1.00	2.311	0.66	57.76	10.40	2.36	60.12	0.50
56.00	44.80	1.96	1.00	2.312	0.66	57.73	10.40	2.36	60.09	0.50
56.05	44.79	1.96	1.00	2.313	0.66	57.71	10.40	2.36	60.07	0.50
56.10	44.78	1.96	1.00	2.314	0.66	57.68	10.40	2.36	60.04	0.50
56.15	44.77	1.96	1.00	2.316	0.66	57.65	10.40	2.36	60.01	0.50
56.20	44.76	1.96	1.00	2.317	0.66	57.63	10.40	2.36	59.99	0.50
56.25	44.75	1.96	1.00	2.318	0.66	57.60	10.40	2.36	59.96	0.50
56.30	44.74	1.96	1.00	2.319	0.66	57.58	10.40	2.36	59.93	0.50
56.35	44.73	1.96	1.00	2.320	0.66	57.55	10.40	2.36	59.91	0.50
56.40	44.72	1.96	1.00	2.321	0.66	57.52	10.40	2.36	59.88	0.50
56.45	44.71	1.96	1.00	2.322	0.66	57.50	10.40	2.36	59.85	0.50
56.50	44.70	1.96	1.00	2.323	0.66	57.47	10.40	2.36	59.83	0.50
56.55	44.69	1.96	1.00	2.324	0.66	57.45	10.40	2.36	59.80	0.50
56.60	44.68	1.96	1.00	2.325	0.66	57.42	10.40	2.35	59.78	0.50
56.65	44.67	1.96	1.00	2.326	0.66	57.39	10.40	2.35	59.75	0.50
56.70	44.66	1.96	1.00	2.327	0.66	57.37	10.40	2.35	59.72	0.50
56.75	44.65	1.96	1.00	2.328	0.66	57.34	10.40	2.35	59.70	0.50
56.80	44.64	1.96	1.00	2.329	0.66	57.32	10.40	2.35	59.67	0.50
56.85	44.63	1.96	1.00	2.330	0.66	57.29	10.40	2.35	59.64	0.50
56.90	44.62	1.96	1.00	2.331	0.65	57.27	10.40	2.35	59.62	0.50
56.95	44.61	1.96	1.00	2.332	0.65	57.24	10.40	2.35	59.59	0.50
57.00	44.60	1.96	1.00	2.333	0.65	57.21	10.40	2.35	59.56	0.50
57.05	44.59	1.96	1.00	2.335	0.65	57.19	10.40	2.35	59.54	0.50
57.10	44.58	1.96	1.00	2.336	0.65	57.16	10.40	2.35	59.51	0.50

57.15	44.57	1.96	1.00	2.337	0.65	57.14	10.40	2.35	59.48	0.50
57.20	44.56	1.96	1.00	2.338	0.65	57.11	10.40	2.35	59.46	0.50
57.25	44.55	1.96	1.00	2.339	0.65	57.08	10.40	2.35	59.43	0.50
57.30	44.54	1.96	1.00	2.340	0.65	57.06	10.40	2.35	59.41	0.50
57.35	44.53	1.96	1.00	2.341	0.65	57.03	10.40	2.35	59.38	0.50
57.40	44.52	1.96	1.00	2.342	0.65	57.01	10.40	2.35	59.35	0.50
57.45	44.51	1.96	1.00	2.343	0.65	56.98	10.40	2.34	59.33	0.50
57.50	44.50	1.96	1.00	2.344	0.65	56.96	10.40	2.34	59.30	0.50
57.55	44.49	1.96	1.00	2.345	0.65	56.93	10.40	2.34	59.27	0.50
57.60	44.48	1.96	1.00	2.346	0.65	56.91	10.40	2.34	59.25	0.50
57.65	44.47	1.96	1.00	2.347	0.65	56.88	10.40	2.34	59.22	0.50
57.70	44.46	1.96	1.00	2.348	0.65	56.85	10.40	2.34	59.20	0.50
57.75	44.45	1.96	1.00	2.349	0.65	56.83	10.40	2.34	59.17	0.50
57.80	44.44	1.96	1.00	2.350	0.65	56.80	10.40	2.34	59.14	0.50
57.85	44.43	1.96	1.00	2.351	0.65	56.78	10.40	2.34	59.12	0.50
57.90	44.42	1.96	1.00	2.353	0.65	56.75	10.40	2.34	59.09	0.50
57.95	44.41	1.96	1.00	2.354	0.65	56.73	10.40	2.34	59.06	0.50
58.00	44.40	1.96	1.00	2.355	0.65	56.70	10.40	2.34	59.04	0.50
58.05	44.39	1.96	1.00	2.356	0.65	56.68	10.40	2.34	59.01	0.50
58.10	44.38	1.96	1.00	2.357	0.65	56.65	10.40	2.34	58.99	0.50
58.15	44.37	1.96	1.00	2.358	0.65	56.62	10.40	2.34	58.96	0.50
58.20	44.36	1.96	1.00	2.359	0.65	56.60	10.40	2.34	58.93	0.50
58.25	44.35	1.96	1.00	2.360	0.65	56.57	10.40	2.34	58.91	0.50
58.30	44.34	1.96	1.00	2.361	0.65	56.55	10.40	2.33	58.88	0.50
58.35	44.33	1.96	1.00	2.362	0.65	56.52	10.40	2.33	58.86	0.50
58.40	44.32	1.96	1.00	2.363	0.65	56.50	10.40	2.33	58.83	0.50
58.45	44.31	1.96	1.00	2.364	0.65	56.47	10.40	2.33	58.80	0.50
58.50	44.30	1.96	1.00	2.365	0.65	56.45	10.40	2.33	58.78	0.50
58.55	44.29	1.96	1.00	2.366	0.65	56.42	10.40	2.33	58.75	0.50
58.60	44.28	1.96	1.00	2.367	0.65	56.40	10.40	2.33	58.73	0.50
58.65	44.27	1.96	1.00	2.368	0.65	56.37	10.40	2.33	58.70	0.50
58.70	44.26	1.96	1.00	2.370	0.65	56.34	10.40	2.33	58.67	0.50
58.75	44.25	1.96	1.00	2.371	0.65	56.32	10.40	2.33	58.65	0.50
58.80	44.24	1.96	1.00	2.372	0.65	56.29	10.40	2.33	58.62	0.50
58.85	44.23	1.96	1.00	2.373	0.65	56.27	10.40	2.33	58.60	0.50
58.90	44.22	1.96	1.00	2.374	0.65	56.24	10.40	2.33	58.57	0.50
58.95	44.21	1.96	1.00	2.375	0.65	56.22	10.40	2.33	58.54	0.50
59.00	44.20	1.96	1.00	2.376	0.65	56.19	10.40	2.33	58.52	0.50
59.05	44.19	1.96	1.00	2.377	0.65	56.17	10.40	2.33	58.49	0.50
59.10	44.18	1.96	1.00	2.378	0.65	56.14	10.40	2.32	58.47	0.50
59.15	44.17	1.96	1.00	2.379	0.65	56.12	10.40	2.32	58.44	0.50
59.20	44.16	1.96	1.00	2.380	0.65	56.09	10.40	2.32	58.42	0.50
59.25	44.15	1.96	1.00	2.381	0.65	56.07	10.40	2.32	58.39	0.50
59.30	44.14	1.96	1.00	2.382	0.65	56.04	10.40	2.32	58.36	0.50
59.35	44.13	1.96	1.00	2.383	0.65	56.02	10.40	2.32	58.34	0.50
59.40	44.12	1.96	1.00	2.384	0.65	55.99	10.40	2.32	58.31	0.50
59.45	44.11	1.96	1.00	2.385	0.65	55.97	10.40	2.32	58.29	0.50
59.50	44.10	1.96	1.00	2.387	0.65	55.94	10.40	2.32	58.26	0.50
59.55	44.09	1.96	1.00	2.388	0.65	55.92	10.40	2.32	58.23	0.50
59.60	44.08	1.96	1.00	2.389	0.65	55.89	10.40	2.32	58.21	0.50
59.65	44.07	1.96	1.00	2.390	0.65	55.86	10.40	2.32	58.18	0.50
59.70	44.06	1.96	1.00	2.391	0.65	55.84	10.40	2.32	58.16	0.50
59.75	44.05	1.96	1.00	2.392	0.65	55.81	10.40	2.32	58.13	0.50
59.80	44.04	1.96	1.00	2.393	0.65	55.79	10.40	2.32	58.11	0.50
59.85	44.03	1.96	1.00	2.394	0.65	55.76	10.40	2.32	58.08	0.50
59.90	44.02	1.96	1.00	2.395	0.65	55.74	10.40	2.32	58.05	0.50
59.95	44.01	1.96	1.00	2.396	0.65	55.71	10.40	2.31	58.03	0.50
60.00	44.00	1.96	1.00	2.397	0.65	55.69	10.40	2.31	58.00	0.50
60.05	43.99	1.96	1.00	2.398	0.65	55.66	10.40	2.31	57.98	0.50
60.10	43.98	1.96	1.00	2.399	0.65	55.64	10.40	2.31	57.95	0.50
60.15	43.97	1.96	1.00	2.400	0.65	55.61	10.40	2.31	57.93	0.50
60.20	43.96	1.96	1.00	2.401	0.65	55.59	10.40	2.31	57.90	0.50
60.25	43.95	1.96	1.00	2.402	0.65	55.56	10.40	2.31	57.88	0.50
60.30	43.94	1.96	1.00	2.404	0.65	55.54	10.40	2.31	57.85	0.50
60.35	43.93	1.96	1.00	2.405	0.64	55.51	10.40	2.31	57.82	0.50
60.40	43.92	1.96	1.00	2.406	0.64	55.49	10.40	2.31	57.80	0.50
60.45	43.91	1.96	1.00	2.407	0.64	55.46	10.40	2.31	57.77	0.50
60.50	43.90	1.96	1.00	2.408	0.64	55.44	10.40	2.31	57.75	0.50
60.55	43.89	1.96	1.00	2.409	0.64	55.42	10.40	2.31	57.72	0.50
60.60	43.88	1.96	1.00	2.410	0.64	55.39	10.40	2.31	57.70	0.50
60.65	43.87	1.96	1.00	2.411	0.64	55.37	10.40	2.31	57.67	0.50
60.70	43.86	1.96	1.00	2.412	0.64	55.34	10.40	2.31	57.65	0.50
60.75	43.85	1.96	1.00	2.413	0.64	55.32	10.40	2.31	57.62	0.50

60.80	43.84	1.96	1.00	2.414	0.64	55.29	10.40	2.30	57.60	0.50
60.85	43.83	1.96	1.00	2.415	0.64	55.27	10.40	2.30	57.57	0.50
60.90	43.82	1.96	1.00	2.416	0.64	55.24	10.40	2.30	57.55	0.50
60.95	43.81	1.96	1.00	2.417	0.64	55.22	10.40	2.30	57.52	0.50
61.00	43.80	1.96	1.00	2.418	0.64	55.19	10.40	2.30	57.50	0.50
61.05	43.79	1.96	1.00	2.419	0.64	55.17	10.40	2.30	57.47	0.50
61.10	43.78	1.96	1.00	2.420	0.64	55.14	10.40	2.30	57.44	0.50
61.15	43.77	1.96	1.00	2.422	0.64	55.12	10.40	2.30	57.42	0.50
61.20	43.76	1.96	1.00	2.423	0.64	55.09	10.40	2.30	57.39	0.50
61.25	43.75	1.96	1.00	2.424	0.64	55.07	10.40	2.30	57.37	0.50
61.30	43.74	1.96	1.00	2.425	0.64	55.04	10.40	2.30	57.34	0.50
61.35	43.73	1.96	1.00	2.426	0.64	55.02	10.40	2.30	57.32	0.50
61.40	43.72	1.96	1.00	2.427	0.64	55.00	10.40	2.30	57.29	0.50
61.45	43.71	1.96	1.00	2.428	0.64	54.97	10.40	2.30	57.27	0.50
61.50	43.70	1.96	1.00	2.429	0.64	54.95	10.40	2.30	57.24	0.50
61.55	43.69	1.96	1.00	2.430	0.64	54.92	10.40	2.30	57.22	0.50
61.60	43.68	1.96	1.00	2.431	0.64	54.90	10.40	2.30	57.19	0.50
61.65	43.67	1.96	1.00	2.432	0.64	54.87	10.40	2.30	57.17	0.50
61.70	43.66	1.96	1.00	2.433	0.64	54.85	10.40	2.29	57.14	0.50
61.75	43.65	1.96	1.00	2.434	0.64	54.82	10.40	2.29	57.12	0.50
61.80	43.64	1.96	1.00	2.435	0.64	54.80	10.40	2.29	57.09	0.50
61.85	43.63	1.96	1.00	2.436	0.64	54.78	10.40	2.29	57.07	0.50
61.90	43.62	1.96	1.00	2.437	0.64	54.75	10.40	2.29	57.04	0.50
61.95	43.61	1.96	1.00	2.438	0.64	54.73	10.40	2.29	57.02	0.50
62.00	43.60	1.96	1.00	2.439	0.64	54.70	10.40	2.29	56.99	0.50
62.05	43.59	1.96	1.00	2.440	0.64	54.68	10.40	2.29	56.97	0.50
62.10	43.58	1.96	1.00	2.441	0.64	54.65	10.40	2.29	56.94	0.50
62.15	43.57	1.96	1.00	2.443	0.64	54.63	10.40	2.29	56.92	0.50
62.20	43.56	1.96	1.00	2.444	0.64	54.61	10.40	2.29	56.90	0.50
62.25	43.55	1.96	1.00	2.445	0.64	54.58	10.40	2.29	56.87	0.50
62.30	43.54	1.96	1.00	2.446	0.64	54.56	10.40	2.29	56.85	0.50
62.35	43.53	1.96	1.00	2.447	0.64	54.53	10.40	2.29	56.82	0.50
62.40	43.52	1.96	1.00	2.448	0.64	54.51	10.40	2.29	56.80	0.50
62.45	43.51	1.96	1.00	2.449	0.64	54.49	10.40	2.29	56.77	0.50
62.50	43.50	1.96	1.00	2.450	0.64	54.46	10.40	2.29	56.75	0.50
62.55	43.49	1.96	1.00	2.451	0.64	54.44	10.40	2.28	56.72	0.50
62.60	43.48	1.96	1.00	2.452	0.64	54.41	10.40	2.28	56.70	0.50
62.65	43.47	1.96	1.00	2.453	0.64	54.39	10.40	2.28	56.67	0.50
62.70	43.46	1.96	1.00	2.454	0.64	54.37	10.40	2.28	56.65	0.50
62.75	43.45	1.96	1.00	2.455	0.64	54.34	10.40	2.28	56.62	0.50
62.80	43.44	1.96	1.00	2.456	0.64	54.32	10.40	2.28	56.60	0.50
62.85	43.43	1.96	1.00	2.457	0.64	54.29	10.40	2.28	56.57	0.50
62.90	43.42	1.96	1.00	2.458	0.64	54.27	10.40	2.28	56.55	0.50
62.95	43.41	1.96	1.00	2.459	0.64	54.25	10.40	2.28	56.53	0.50
63.00	43.40	1.96	1.00	2.460	0.64	54.22	10.40	2.28	56.50	0.50
63.05	43.39	1.96	1.00	2.461	0.64	54.20	10.40	2.28	56.48	0.50
63.10	43.38	1.96	1.00	2.462	0.64	54.17	10.40	2.28	56.45	0.50
63.15	43.37	1.96	1.00	2.463	0.64	54.15	10.40	2.28	56.43	0.50
63.20	43.36	1.96	1.00	2.464	0.64	54.13	10.40	2.28	56.40	0.50
63.25	43.35	1.96	1.00	2.465	0.64	54.10	10.40	2.28	56.38	0.50
63.30	43.34	1.96	1.00	2.466	0.64	54.08	10.40	2.28	56.35	0.50
63.35	43.33	1.96	1.00	2.467	0.64	54.05	10.40	2.28	56.33	0.50
63.40	43.32	1.96	1.00	2.468	0.64	54.03	10.40	2.28	56.31	0.50
63.45	43.31	1.96	1.00	2.470	0.64	54.01	10.40	2.27	56.28	0.50
63.50	43.30	1.96	1.00	2.471	0.64	53.98	10.40	2.27	56.26	0.50
63.55	43.29	1.96	1.00	2.472	0.64	53.96	10.40	2.27	56.23	0.50
63.60	43.28	1.96	1.00	2.473	0.64	53.94	10.40	2.27	56.21	0.50
63.65	43.27	1.96	1.00	2.474	0.64	53.91	10.40	2.27	56.18	0.50
63.70	43.26	1.96	1.00	2.475	0.64	53.89	10.40	2.27	56.16	0.50
63.75	43.25	1.96	1.00	2.476	0.64	53.86	10.40	2.27	56.14	0.50
63.80	43.24	1.96	1.00	2.477	0.64	53.84	10.40	2.27	56.11	0.50
63.85	43.23	1.96	1.00	2.478	0.64	53.82	10.40	2.27	56.09	0.50
63.90	43.22	1.96	1.00	2.479	0.64	53.79	10.40	2.27	56.06	0.50
63.95	43.21	1.96	1.00	2.480	0.64	53.77	10.40	2.27	56.04	0.50
64.00	43.20	1.96	1.00	2.481	0.63	53.75	10.40	2.27	56.02	0.50
64.05	43.19	1.96	1.00	2.482	0.63	53.72	10.40	2.27	55.99	0.50
64.10	43.18	1.96	1.00	2.483	0.63	53.70	10.40	2.27	55.97	0.50
64.15	43.17	1.96	1.00	2.484	0.63	53.68	10.40	2.27	55.94	0.50
64.20	43.16	1.96	1.00	2.485	0.63	53.65	10.40	2.27	55.92	0.50
64.25	43.15	1.96	1.00	2.486	0.63	53.63	10.40	2.27	55.89	0.50
64.30	43.14	1.96	1.00	2.487	0.63	53.61	10.40	2.27	55.87	0.50
64.35	43.13	1.96	1.00	2.488	0.63	53.58	10.40	2.26	55.85	0.50
64.40	43.12	1.96	1.00	2.489	0.63	53.56	10.40	2.26	55.82	0.50

64.45	43.11	1.96	1.00	2.490	0.63	53.54	10.40	2.26	55.80	0.50
64.50	43.10	1.96	1.00	2.491	0.63	53.51	10.40	2.26	55.78	0.50
64.55	43.09	1.96	1.00	2.492	0.63	53.49	10.40	2.26	55.75	0.50
64.60	43.08	1.96	1.00	2.493	0.63	53.47	10.40	2.26	55.73	0.50
64.65	43.07	1.96	1.00	2.494	0.63	53.44	10.40	2.26	55.70	0.50
64.70	43.06	1.96	1.00	2.495	0.63	53.42	10.40	2.26	55.68	0.50
64.75	43.05	1.96	1.00	2.496	0.63	53.40	10.40	2.26	55.66	0.50
64.80	43.04	1.96	1.00	2.497	0.63	53.37	10.40	2.26	55.63	0.50
64.85	43.03	1.96	1.00	2.498	0.63	53.35	10.40	2.26	55.61	0.50
64.90	43.02	1.96	1.00	2.499	0.63	53.33	10.40	2.26	55.58	0.50
64.95	43.01	1.96	1.00	2.500	0.63	53.30	10.40	2.26	55.56	0.50
65.00	43.00	1.96	1.00	2.501	0.63	53.28	10.40	2.26	55.54	0.50

CRR is based on water table at 21.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.73:

Depth ft	sigC' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	F.S.=CRRm/CSRfs	
10.00	0.40	0.33	1.00	0.33	1.32	0.43	0.69	0.63	*
10.05	0.41	0.33	1.00	0.33	1.32	0.43	0.69	0.63	*
10.10	0.41	0.33	1.00	0.33	1.32	0.43	0.69	0.63	*
10.15	0.41	0.33	1.00	0.33	1.32	0.43	0.69	0.62	*
10.20	0.41	0.32	1.00	0.32	1.32	0.43	0.69	0.62	*
10.25	0.41	0.32	1.00	0.32	1.32	0.42	0.69	0.62	*
10.30	0.42	0.32	1.00	0.32	1.32	0.42	0.69	0.62	*
10.35	0.42	0.32	1.00	0.32	1.32	0.42	0.69	0.61	*
10.40	0.42	0.32	1.00	0.32	1.32	0.42	0.69	0.61	*
10.45	0.42	0.32	1.00	0.32	1.32	0.42	0.69	0.61	*
10.50	0.42	0.32	1.00	0.32	1.32	0.42	0.69	0.61	*
10.55	0.43	0.31	1.00	0.31	1.32	0.41	0.69	0.60	*
10.60	0.43	0.31	1.00	0.31	1.32	0.41	0.69	0.60	*
10.65	0.43	0.31	1.00	0.31	1.32	0.41	0.69	0.60	*
10.70	0.43	0.31	1.00	0.31	1.32	0.41	0.69	0.60	*
10.75	0.43	0.31	1.00	0.31	1.32	0.41	0.69	0.59	*
10.80	0.44	0.31	1.00	0.31	1.32	0.41	0.69	0.59	*
10.85	0.44	0.31	1.00	0.31	1.32	0.40	0.69	0.59	*
10.90	0.44	0.31	1.00	0.31	1.32	0.40	0.69	0.59	*
10.95	0.44	0.30	1.00	0.30	1.32	0.40	0.69	0.59	*
11.00	0.44	0.30	1.00	0.30	1.32	0.40	0.69	0.58	*
11.05	0.45	0.30	1.00	0.30	1.32	0.40	0.69	0.58	*
11.10	0.45	0.30	1.00	0.30	1.32	0.40	0.69	0.58	*
11.15	0.45	0.30	1.00	0.30	1.32	0.40	0.69	0.58	*
11.20	0.45	0.30	1.00	0.30	1.32	0.39	0.69	0.58	*
11.25	0.45	0.30	1.00	0.30	1.32	0.39	0.69	0.57	*
11.30	0.46	0.30	1.00	0.30	1.32	0.39	0.69	0.57	*
11.35	0.46	0.30	1.00	0.30	1.32	0.39	0.69	0.57	*
11.40	0.46	0.30	1.00	0.30	1.32	0.39	0.69	0.57	*
11.45	0.46	0.29	1.00	0.29	1.32	0.39	0.69	0.57	*
11.50	0.46	0.29	1.00	0.29	1.32	0.39	0.69	0.56	*
11.55	0.47	0.29	1.00	0.29	1.32	0.39	0.69	0.56	*
11.60	0.47	0.29	1.00	0.29	1.32	0.38	0.69	0.56	*
11.65	0.47	0.29	1.00	0.29	1.32	0.38	0.69	0.56	*
11.70	0.47	0.29	1.00	0.29	1.32	0.38	0.69	0.56	*
11.75	0.47	0.29	1.00	0.29	1.32	0.38	0.69	0.56	*
11.80	0.48	0.29	1.00	0.29	1.32	0.38	0.69	0.55	*
11.85	0.48	0.29	1.00	0.29	1.32	0.38	0.69	0.55	*
11.90	0.48	0.29	1.00	0.29	1.32	0.38	0.69	0.55	*
11.95	0.48	0.29	1.00	0.29	1.32	0.38	0.69	0.55	*
12.00	0.48	0.28	1.00	0.28	1.32	0.38	0.69	0.55	*
12.05	0.49	0.28	1.00	0.28	1.32	0.37	0.69	0.55	*
12.10	0.49	0.28	1.00	0.28	1.32	0.37	0.69	0.54	*
12.15	0.49	0.28	1.00	0.28	1.32	0.37	0.69	0.54	*
12.20	0.49	0.28	1.00	0.28	1.32	0.37	0.69	0.54	*
12.25	0.49	0.28	1.00	0.28	1.32	0.37	0.69	0.54	*
12.30	0.49	0.28	1.00	0.28	1.32	0.37	0.69	0.54	*
12.35	0.50	0.28	1.00	0.28	1.32	0.37	0.69	0.54	*
12.40	0.50	0.28	1.00	0.28	1.32	0.37	0.69	0.54	*
12.45	0.50	0.28	1.00	0.28	1.32	0.37	0.69	0.53	*
12.50	0.50	0.28	1.00	0.28	1.32	0.37	0.69	0.53	*
12.55	0.50	0.28	1.00	0.28	1.32	0.36	0.69	0.53	*
12.60	0.51	0.28	1.00	0.28	1.32	0.36	0.69	0.53	*
12.65	0.51	0.27	1.00	0.27	1.32	0.36	0.69	0.53	*

12.70	0.51	0.27	1.00	0.27	1.32	0.36	0.69	0.53 *
12.75	0.51	0.27	1.00	0.27	1.32	0.36	0.69	0.53 *
12.80	0.51	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
12.85	0.52	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
12.90	0.52	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
12.95	0.52	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
13.00	0.52	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
13.05	0.52	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
13.10	0.53	0.27	1.00	0.27	1.32	0.35	0.69	0.52 *
13.15	0.53	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
13.20	0.53	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
13.25	0.53	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
13.30	0.53	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
13.35	0.53	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
13.40	0.54	0.26	1.00	0.26	1.32	0.35	0.69	0.51 *
13.45	0.54	0.26	1.00	0.26	1.32	0.35	0.69	0.51 *
13.50	0.54	0.26	1.00	0.26	1.32	0.35	0.69	0.51 *
13.55	0.54	0.26	1.00	0.26	1.32	0.35	0.69	0.50 *
13.60	0.54	0.26	1.00	0.26	1.32	0.35	0.69	0.50 *
13.65	0.55	0.26	1.00	0.26	1.32	0.35	0.69	0.50 *
13.70	0.55	0.26	1.00	0.26	1.32	0.34	0.69	0.50 *
13.75	0.55	0.26	1.00	0.26	1.32	0.34	0.69	0.50 *
13.80	0.55	0.26	1.00	0.26	1.32	0.34	0.69	0.50 *
13.85	0.55	0.26	1.00	0.26	1.32	0.34	0.69	0.50 *
13.90	0.55	0.26	1.00	0.26	1.32	0.34	0.69	0.50 *
13.95	0.56	0.26	1.00	0.26	1.32	0.34	0.69	0.50 *
14.00	0.56	0.26	1.00	0.26	1.32	0.34	0.69	0.49 *
14.05	0.56	0.26	1.00	0.26	1.32	0.34	0.69	0.49 *
14.10	0.56	0.26	1.00	0.26	1.32	0.34	0.69	0.49 *
14.15	0.56	0.26	1.00	0.26	1.32	0.34	0.69	0.49 *
14.20	0.57	0.26	1.00	0.26	1.32	0.34	0.69	0.49 *
14.25	0.57	0.26	1.00	0.26	1.32	0.34	0.69	0.49 *
14.30	0.57	0.25	1.00	0.25	1.32	0.34	0.69	0.49 *
14.35	0.57	0.25	1.00	0.25	1.32	0.34	0.69	0.49 *
14.40	0.57	0.25	1.00	0.25	1.32	0.33	0.69	0.49 *
14.45	0.57	0.25	1.00	0.25	1.32	0.33	0.69	0.49 *
14.50	0.58	0.25	1.00	0.25	1.32	0.33	0.69	0.48 *
14.55	0.58	0.25	1.00	0.25	1.32	0.33	0.69	0.48 *
14.60	0.58	0.25	1.00	0.25	1.32	0.33	0.69	0.48 *
14.65	0.58	0.25	1.00	0.25	1.32	0.33	0.69	0.48 *
14.70	0.58	0.25	1.00	0.25	1.32	0.33	0.69	0.48 *
14.75	0.59	0.25	1.00	0.25	1.32	0.33	0.69	0.48 *
14.80	0.59	0.29	1.00	0.29	1.32	0.38	0.69	0.55 *
14.85	0.59	0.29	1.00	0.29	1.32	0.38	0.69	0.55 *
14.90	0.59	0.29	1.00	0.29	1.32	0.38	0.69	0.55 *
14.95	0.59	0.29	1.00	0.29	1.32	0.38	0.69	0.55 *
15.00	0.59	0.29	1.00	0.29	1.32	0.38	0.69	0.55 *
15.05	0.60	0.28	1.00	0.28	1.32	0.37	0.69	0.54 *
15.10	0.60	0.28	1.00	0.28	1.32	0.37	0.69	0.53 *
15.15	0.60	0.28	1.00	0.28	1.32	0.36	0.69	0.53 *
15.20	0.60	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
15.25	0.60	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
15.30	0.61	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
15.35	0.61	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
15.40	0.61	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
15.45	0.61	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
15.50	0.61	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
15.55	0.61	0.28	1.00	0.28	1.32	0.37	0.69	0.53 *
15.60	0.62	0.28	1.00	0.28	1.32	0.37	0.69	0.54 *
15.65	0.62	0.28	1.00	0.28	1.32	0.38	0.69	0.54 *
15.70	0.62	0.29	1.00	0.29	1.32	0.38	0.69	0.55 *
15.75	0.62	0.29	1.00	0.29	1.32	0.38	0.69	0.55 *
15.80	0.62	0.29	1.00	0.29	1.32	0.39	0.69	0.56 *
15.85	0.63	0.30	1.00	0.30	1.32	0.39	0.69	0.56 *
15.90	0.63	0.30	1.00	0.30	1.32	0.39	0.69	0.57 *
15.95	0.63	0.30	1.00	0.30	1.32	0.40	0.69	0.57 *
16.00	0.63	0.30	1.00	0.30	1.32	0.40	0.69	0.58 *
16.05	0.63	0.30	1.00	0.30	1.32	0.40	0.69	0.58 *
16.10	0.63	0.30	1.00	0.30	1.32	0.40	0.69	0.58 *
16.15	0.64	0.30	1.00	0.30	1.32	0.40	0.69	0.58 *
16.20	0.64	0.31	1.00	0.31	1.32	0.40	0.69	0.58 *
16.25	0.64	0.31	1.00	0.31	1.32	0.40	0.69	0.58 *
16.30	0.64	0.31	1.00	0.31	1.32	0.40	0.69	0.58 *

16.35	0.64	0.31	1.00	0.31	1.32	0.40	0.69	0.58 *
16.40	0.65	0.31	1.00	0.31	1.32	0.40	0.69	0.58 *
16.45	0.65	0.31	1.00	0.31	1.32	0.40	0.69	0.58 *
16.50	0.65	0.31	1.00	0.31	1.32	0.40	0.69	0.58 *
16.55	0.65	0.30	1.00	0.30	1.32	0.40	0.69	0.58 *
16.60	0.65	0.30	1.00	0.30	1.32	0.40	0.69	0.58 *
16.65	0.65	0.30	1.00	0.30	1.32	0.40	0.69	0.58 *
16.70	0.66	0.30	1.00	0.30	1.32	0.40	0.69	0.57 *
16.75	0.66	0.30	1.00	0.30	1.32	0.40	0.69	0.57 *
16.80	0.66	0.30	1.00	0.30	1.32	0.39	0.69	0.56 *
16.85	0.66	0.29	1.00	0.29	1.32	0.39	0.69	0.56 *
16.90	0.66	0.29	1.00	0.29	1.32	0.38	0.69	0.55 *
16.95	0.67	0.28	1.00	0.28	1.32	0.37	0.69	0.54 *
17.00	0.67	0.28	1.00	0.28	1.32	0.37	0.69	0.53 *
17.05	0.67	0.28	1.00	0.28	1.32	0.36	0.69	0.53 *
17.10	0.67	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
17.15	0.67	0.27	1.00	0.27	1.32	0.35	0.69	0.51 *
17.20	0.67	0.27	1.00	0.27	1.32	0.35	0.69	0.50 *
17.25	0.68	0.26	1.00	0.26	1.32	0.35	0.69	0.50 *
17.30	0.68	0.26	1.00	0.26	1.32	0.34	0.69	0.49 *
17.35	0.68	0.25	1.00	0.25	1.32	0.34	0.69	0.48 *
17.40	0.68	0.25	1.00	0.25	1.32	0.33	0.69	0.48 *
17.45	0.68	0.25	1.00	0.25	1.32	0.33	0.69	0.47 *
17.50	0.69	0.25	1.00	0.25	1.32	0.32	0.69	0.47 *
17.55	0.69	0.24	1.00	0.24	1.32	0.32	0.69	0.46 *
17.60	0.69	0.24	1.00	0.24	1.32	0.32	0.69	0.45 *
17.65	0.69	0.24	1.00	0.24	1.32	0.31	0.69	0.45 *
17.70	0.69	0.23	1.00	0.23	1.32	0.31	0.69	0.44 *
17.75	0.69	0.23	1.00	0.23	1.32	0.30	0.69	0.44 *
17.80	0.70	0.23	1.00	0.23	1.32	0.30	0.69	0.43 *
17.85	0.70	0.22	1.00	0.22	1.32	0.30	0.69	0.43 *
17.90	0.70	0.22	1.00	0.22	1.32	0.29	0.69	0.42 *
17.95	0.70	0.22	1.00	0.22	1.32	0.29	0.69	0.42 *
18.00	0.70	0.22	1.00	0.22	1.32	0.29	0.69	0.41 *
18.05	0.71	0.21	1.00	0.21	1.32	0.28	0.69	0.41 *
18.10	0.71	0.21	1.00	0.21	1.32	0.28	0.69	0.40 *
18.15	0.71	0.21	1.00	0.21	1.32	0.28	0.69	0.40 *
18.20	0.71	0.21	1.00	0.21	1.32	0.27	0.69	0.39 *
18.25	0.71	0.20	1.00	0.20	1.32	0.27	0.70	0.39 *
18.30	0.71	0.20	1.00	0.20	1.32	0.27	0.70	0.38 *
18.35	0.72	0.20	1.00	0.20	1.32	0.26	0.70	0.38 *
18.40	0.72	0.20	1.00	0.20	1.32	0.26	0.70	0.37 *
18.45	0.72	0.19	1.00	0.19	1.32	0.26	0.70	0.37 *
18.50	0.72	0.19	1.00	0.19	1.32	0.25	0.70	0.36 *
18.55	0.72	0.19	1.00	0.19	1.32	0.25	0.70	0.36 *
18.60	0.73	0.19	1.00	0.19	1.32	0.25	0.70	0.35 *
18.65	0.73	0.18	1.00	0.18	1.32	0.24	0.70	0.35 *
18.70	0.73	0.18	1.00	0.18	1.32	0.24	0.70	0.34 *
18.75	0.73	0.18	1.00	0.18	1.32	0.24	0.70	0.34 *
18.80	0.73	0.18	1.00	0.18	1.32	0.23	0.70	0.34 *
18.85	0.73	0.17	1.00	0.17	1.32	0.23	0.70	0.33 *
18.90	0.74	0.17	1.00	0.17	1.32	0.23	0.70	0.33 *
18.95	0.74	0.17	1.00	0.17	1.32	0.22	0.70	0.32 *
19.00	0.74	0.17	1.00	0.17	1.32	0.22	0.70	0.32 *
19.05	0.74	0.16	1.00	0.16	1.32	0.22	0.70	0.31 *
19.10	0.74	0.16	1.00	0.16	1.32	0.21	0.70	0.31 *
19.15	0.75	0.16	1.00	0.16	1.32	0.21	0.70	0.30 *
19.20	0.75	0.16	1.00	0.16	1.32	0.21	0.70	0.30 *
19.25	0.75	0.16	1.00	0.16	1.32	0.20	0.70	0.29 *
19.30	0.75	0.15	1.00	0.15	1.32	0.20	0.70	0.29 *
19.35	0.75	0.15	1.00	0.15	1.32	0.20	0.70	0.29 *
19.40	0.76	0.15	1.00	0.15	1.32	0.20	0.70	0.28 *
19.45	0.76	0.15	1.00	0.15	1.32	0.19	0.70	0.28 *
19.50	0.76	0.14	1.00	0.14	1.32	0.19	0.70	0.27 *
19.55	0.76	0.14	1.00	0.14	1.32	0.19	0.70	0.27 *
19.60	0.76	0.14	1.00	0.14	1.32	0.18	0.70	0.26 *
19.65	0.76	0.14	1.00	0.14	1.32	0.18	0.70	0.26 *
19.70	0.77	0.13	1.00	0.13	1.32	0.18	0.70	0.25 *
19.75	0.77	0.13	1.00	0.13	1.32	0.17	0.69	0.25 *
19.80	0.77	0.13	1.00	0.13	1.32	0.17	0.69	0.25 *
19.85	0.77	0.13	1.00	0.13	1.32	0.17	0.69	0.24 *
19.90	0.77	0.13	1.00	0.13	1.32	0.16	0.69	0.24 *
19.95	0.78	0.12	1.00	0.12	1.32	0.16	0.69	0.23 *

20.00	0.78	0.12	1.00	0.12	1.32	0.16	0.69	0.23 *
20.05	0.78	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.10	0.78	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.15	0.78	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.20	0.79	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.25	0.79	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.30	0.79	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.35	0.79	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.40	0.79	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.45	0.79	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.50	0.80	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.55	0.80	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.60	0.80	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.65	0.80	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.70	0.80	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.75	0.81	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.80	0.81	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.85	0.81	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.90	0.81	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
20.95	0.81	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.00	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.05	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.10	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.15	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.20	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.25	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.30	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.35	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.40	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.45	0.82	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.50	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.55	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.60	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.65	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.70	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.75	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.80	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.85	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.90	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
21.95	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.00	0.83	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.05	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.10	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.15	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.20	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.25	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.30	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.35	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.40	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.45	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.50	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.55	0.84	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.60	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.65	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.70	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.75	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.80	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.85	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.90	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
22.95	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.00	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.05	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.10	0.85	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.15	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.20	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.25	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.30	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.35	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.40	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.45	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.50	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.55	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.60	0.86	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^

23.65	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.70	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.75	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.80	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.85	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.90	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
23.95	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.00	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.05	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.10	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.15	0.87	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.20	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.25	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.30	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.35	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.40	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.45	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.50	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.55	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.60	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.65	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.70	0.88	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.75	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.80	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.85	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.90	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
24.95	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.00	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.05	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.10	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.15	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.20	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.25	0.89	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.30	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.35	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.40	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.45	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.50	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.55	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.60	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.65	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.70	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.75	0.90	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.80	0.91	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.85	0.91	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.90	0.91	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
25.95	0.91	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
26.00	0.91	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
26.05	0.91	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
26.10	0.91	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
26.15	0.91	0.12	1.00	0.12	1.32	2.00	0.69	5.00 ^
26.20	0.91	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.25	0.91	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.30	0.91	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.35	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.40	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.45	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.50	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.55	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.60	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.65	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.70	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.75	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.80	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.85	0.92	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.90	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
26.95	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.00	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.05	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.10	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.15	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.20	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.25	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^

27.30	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.35	0.93	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.40	0.94	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.45	0.94	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.50	0.94	0.13	1.00	0.13	1.32	2.00	0.69	5.00 ^
27.55	0.94	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
27.60	0.94	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
27.65	0.94	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
27.70	0.94	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
27.75	0.94	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
27.80	0.94	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
27.85	0.94	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
27.90	0.94	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
27.95	0.95	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
28.00	0.95	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
28.05	0.95	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
28.10	0.95	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
28.15	0.95	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
28.20	0.95	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
28.25	0.95	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
28.30	0.95	0.14	1.00	0.14	1.32	2.00	0.69	5.00 ^
28.35	0.95	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.40	0.95	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.45	0.95	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.50	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.55	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.60	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.65	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.70	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.75	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.80	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.85	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.90	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
28.95	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.00	0.96	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.05	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.10	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.15	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.20	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.25	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.30	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.35	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.40	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.45	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.50	0.97	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.55	0.98	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.60	0.98	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.65	0.98	0.15	1.00	0.15	1.32	2.00	0.69	5.00 ^
29.70	0.98	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
29.75	0.98	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
29.80	0.98	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
29.85	0.98	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
29.90	0.98	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
29.95	0.98	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.00	0.98	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.05	0.98	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.10	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.15	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.20	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.25	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.30	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.35	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.40	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.45	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.50	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.55	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.60	0.99	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.65	1.00	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.70	1.00	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.75	1.00	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.80	1.00	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.85	1.00	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
30.90	1.00	0.16	1.01	0.16	1.32	2.00	0.68	5.00 ^

30.95	1.00	0.16	1.01	0.16	1.32	2.00	0.68	5.00 ^
31.00	1.00	0.16	1.01	0.16	1.32	2.00	0.68	5.00 ^
31.05	1.00	0.16	1.01	0.16	1.32	2.00	0.68	5.00 ^
31.10	1.00	0.16	1.01	0.16	1.32	2.00	0.68	5.00 ^
31.15	1.01	0.16	1.01	0.16	1.32	2.00	0.68	5.00 ^
31.20	1.01	0.16	1.01	0.16	1.32	2.00	0.68	5.00 ^
31.25	1.01	0.16	1.01	0.16	1.32	2.00	0.68	5.00 ^
31.30	1.01	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
31.35	1.01	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
31.40	1.01	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
31.45	1.01	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
31.50	1.01	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
31.55	1.01	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
31.60	1.01	0.16	1.00	0.16	1.32	2.00	0.68	5.00 ^
31.65	1.01	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
31.70	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
31.75	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
31.80	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
31.85	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
31.90	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
31.95	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.00	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.05	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.10	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.15	1.02	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.20	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.25	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.30	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.35	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.40	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.45	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.50	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.55	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.60	1.03	0.16	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.65	1.03	0.15	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.70	1.03	0.15	1.00	0.16	1.32	2.00	0.67	5.00 ^
32.75	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
32.80	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
32.85	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
32.90	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
32.95	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
33.00	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
33.05	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
33.10	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
33.15	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
33.20	1.04	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
33.25	1.05	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
33.30	1.05	0.15	1.00	0.15	1.32	2.00	0.67	5.00 ^
33.35	1.05	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.40	1.05	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.45	1.05	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.50	1.05	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.55	1.05	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.60	1.05	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.65	1.05	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.70	1.05	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.75	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.80	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.85	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.90	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
33.95	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.00	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.05	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.10	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.15	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.20	1.06	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.25	1.07	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.30	1.07	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.35	1.07	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.40	1.07	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.45	1.07	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.50	1.07	0.15	1.00	0.15	1.32	2.00	0.66	5.00 ^
34.55	1.07	0.15	0.99	0.15	1.32	2.00	0.66	5.00 ^

34.60	1.07	0.15	0.99	0.15	1.32	2.00	0.66	5.00 ^
34.65	1.07	0.15	0.99	0.15	1.32	2.00	0.66	5.00 ^
34.70	1.07	0.15	0.99	0.15	1.32	2.00	0.66	5.00 ^
34.75	1.08	0.15	0.99	0.15	1.32	2.00	0.66	5.00 ^
34.80	1.08	0.15	0.99	0.15	1.32	2.00	0.66	5.00 ^
34.85	1.08	0.15	0.99	0.15	1.32	2.00	0.66	5.00 ^
34.90	1.08	0.15	0.99	0.15	1.32	2.00	0.66	5.00 ^
34.95	1.08	0.15	0.99	0.15	1.32	2.00	0.65	5.00 ^
35.00	1.08	0.15	0.99	0.15	1.32	2.00	0.65	5.00 ^
35.05	1.08	0.16	0.99	0.16	1.32	2.00	0.65	5.00 ^
35.10	1.08	0.16	0.99	0.16	1.32	2.00	0.65	5.00 ^
35.15	1.08	0.17	0.99	0.16	1.32	2.00	0.65	5.00 ^
35.20	1.08	0.17	0.99	0.17	1.32	2.00	0.65	5.00 ^
35.25	1.09	0.17	0.99	0.17	1.32	2.00	0.65	5.00 ^
35.30	1.09	0.18	0.99	0.18	1.32	2.00	0.65	5.00 ^
35.35	1.09	0.18	0.99	0.18	1.32	2.00	0.65	5.00 ^
35.40	1.09	0.19	0.99	0.19	1.32	2.00	0.65	5.00 ^
35.45	1.09	0.19	0.99	0.19	1.32	2.00	0.65	5.00 ^
35.50	1.09	0.20	0.99	0.20	1.32	2.00	0.65	5.00 ^
35.55	1.09	0.20	0.99	0.20	1.32	2.00	0.65	5.00 ^
35.60	1.09	0.21	0.99	0.20	1.32	2.00	0.65	5.00 ^
35.65	1.09	0.21	0.99	0.21	1.32	2.00	0.65	5.00 ^
35.70	1.09	0.22	0.99	0.21	1.32	2.00	0.65	5.00 ^
35.75	1.10	0.22	0.99	0.22	1.32	2.00	0.65	5.00 ^
35.80	1.10	0.22	0.99	0.22	1.32	2.00	0.65	5.00 ^
35.85	1.10	0.23	0.99	0.23	1.32	2.00	0.65	5.00 ^
35.90	1.10	0.23	0.99	0.23	1.32	2.00	0.65	5.00 ^
35.95	1.10	0.24	0.99	0.24	1.32	2.00	0.65	5.00 ^
36.00	1.10	0.24	0.99	0.24	1.32	2.00	0.65	5.00 ^
36.05	1.10	0.25	0.99	0.25	1.32	2.00	0.65	5.00 ^
36.10	1.10	0.26	0.99	0.25	1.32	2.00	0.65	5.00 ^
36.15	1.10	0.26	0.99	0.26	1.32	2.00	0.65	5.00 ^
36.20	1.10	0.27	0.99	0.26	1.32	2.00	0.65	5.00 ^
36.25	1.11	0.27	0.99	0.27	1.32	2.00	0.65	5.00 ^
36.30	1.11	0.28	0.99	0.28	1.32	2.00	0.65	5.00 ^
36.35	1.11	0.29	0.99	0.28	1.32	2.00	0.65	5.00 ^
36.40	1.11	0.29	0.99	0.29	1.32	2.00	0.65	5.00 ^
36.45	1.11	0.30	0.99	0.30	1.32	2.00	0.65	5.00 ^
36.50	1.11	0.31	0.99	0.30	1.32	2.00	0.64	5.00 ^
36.55	1.11	0.32	0.99	0.31	1.32	2.00	0.64	5.00 ^
36.60	1.11	0.32	0.99	0.32	1.32	2.00	0.64	5.00 ^
36.65	1.11	0.33	0.99	0.33	1.32	2.00	0.64	5.00 ^
36.70	1.11	0.34	0.99	0.34	1.32	2.00	0.64	5.00 ^
36.75	1.12	0.35	0.99	0.35	1.32	2.00	0.64	5.00 ^
36.80	1.12	0.37	0.99	0.36	1.32	2.00	0.64	5.00 ^
36.85	1.12	0.38	0.99	0.38	1.32	2.00	0.64	5.00 ^
36.90	1.12	0.41	0.99	0.40	1.32	2.00	0.64	5.00 ^
36.95	1.12	0.47	0.99	0.46	1.32	2.00	0.64	5.00 ^
37.00	1.12	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.05	1.12	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.10	1.12	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.15	1.12	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.20	1.12	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.25	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.30	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.35	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.40	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.45	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.50	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.55	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.60	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.65	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.70	1.13	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.75	1.14	0.50	0.99	0.49	1.32	2.00	0.64	5.00 ^
37.80	1.14	0.50	0.98	0.49	1.32	2.00	0.64	5.00 ^
37.85	1.14	0.50	0.98	0.49	1.32	2.00	0.64	5.00 ^
37.90	1.14	0.50	0.98	0.49	1.32	2.00	0.64	5.00 ^
37.95	1.14	0.50	0.98	0.49	1.32	2.00	0.64	5.00 ^
38.00	1.14	0.50	0.98	0.49	1.32	2.00	0.64	5.00 ^
38.05	1.14	0.50	0.98	0.49	1.32	2.00	0.64	5.00 ^
38.10	1.14	0.50	0.98	0.49	1.32	2.00	0.64	5.00 ^
38.15	1.14	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.20	1.14	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^

38.25	1.14	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.30	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.35	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.40	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.45	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.50	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.55	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.60	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.65	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.70	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.75	1.15	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.80	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.85	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.90	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
38.95	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.00	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.05	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.10	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.15	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.20	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.25	1.16	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.30	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.35	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.40	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.45	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.50	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.55	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.60	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.65	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.70	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.75	1.17	0.50	0.98	0.49	1.32	2.00	0.63	5.00 ^
39.80	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
39.85	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
39.90	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
39.95	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.00	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.05	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.10	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.15	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.20	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.25	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.30	1.18	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.35	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.40	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.45	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.50	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.55	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.60	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.65	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.70	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.75	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.80	1.19	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.85	1.20	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.90	1.20	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
40.95	1.20	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
41.00	1.20	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
41.05	1.20	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
41.10	1.20	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
41.15	1.20	0.50	0.98	0.49	1.32	2.00	0.62	5.00 ^
41.20	1.20	0.50	0.97	0.49	1.32	2.00	0.62	5.00 ^
41.25	1.20	0.50	0.97	0.49	1.32	2.00	0.62	5.00 ^
41.30	1.20	0.50	0.97	0.49	1.32	2.00	0.62	5.00 ^
41.35	1.21	0.50	0.97	0.49	1.32	2.00	0.62	5.00 ^
41.40	1.21	0.50	0.97	0.49	1.32	2.00	0.62	5.00 ^
41.45	1.21	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.50	1.21	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.55	1.21	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.60	1.21	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.65	1.21	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.70	1.21	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.75	1.21	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.80	1.21	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.85	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^

41.90	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
41.95	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.00	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.05	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.10	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.15	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.20	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.25	1.22	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.30	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.35	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.40	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.45	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.50	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.55	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.60	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.65	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.70	1.23	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.75	1.24	0.50	0.97	0.49	1.32	2.00	0.61	5.00 ^
42.80	1.24	0.50	0.97	0.48	1.32	2.00	0.61	5.00 ^
42.85	1.24	0.50	0.97	0.48	1.32	2.00	0.61	5.00 ^
42.90	1.24	0.50	0.97	0.48	1.32	2.00	0.61	5.00 ^
42.95	1.24	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.00	1.24	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.05	1.24	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.10	1.24	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.15	1.24	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.20	1.24	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.25	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.30	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.35	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.40	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.45	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.50	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.55	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.60	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.65	1.25	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.70	1.26	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.75	1.26	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.80	1.26	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.85	1.26	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.90	1.26	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
43.95	1.26	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
44.00	1.26	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
44.05	1.26	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
44.10	1.27	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
44.15	1.27	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
44.20	1.27	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
44.25	1.27	0.50	0.97	0.48	1.32	2.00	0.60	5.00 ^
44.30	1.27	0.50	0.96	0.48	1.32	2.00	0.60	5.00 ^
44.35	1.27	0.50	0.96	0.48	1.32	2.00	0.60	5.00 ^
44.40	1.27	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.45	1.27	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.50	1.27	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.55	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.60	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.65	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.70	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.75	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.80	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.85	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.90	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
44.95	1.28	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
45.00	1.29	0.50	0.96	0.48	1.32	2.00	0.59	5.00 ^
45.05	1.29	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.10	1.29	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.15	1.29	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.20	1.29	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.25	1.29	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.30	1.29	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.35	1.29	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.40	1.30	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.45	1.30	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.50	1.30	0.50	0.96	0.48	1.32	0.63	0.59	1.08

45.55	1.30	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.60	1.30	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.65	1.30	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.70	1.30	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.75	1.30	0.50	0.96	0.48	1.32	0.63	0.59	1.08
45.80	1.30	0.50	0.96	0.48	1.32	0.63	0.58	1.08
45.85	1.31	0.50	0.96	0.48	1.32	0.63	0.58	1.08
45.90	1.31	0.50	0.96	0.48	1.32	0.63	0.58	1.08
45.95	1.31	0.50	0.96	0.48	1.32	0.63	0.58	1.08
46.00	1.31	0.50	0.96	0.48	1.32	0.63	0.58	1.08
46.05	1.31	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.10	1.31	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.15	1.31	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.20	1.31	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.25	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.30	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.35	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.40	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.45	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.50	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.55	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.60	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.65	1.32	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.70	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.75	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.80	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.85	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.90	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.09
46.95	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.09
47.00	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.09
47.05	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.09
47.10	1.33	0.50	0.96	0.48	1.32	0.63	0.58	1.10
47.15	1.34	0.50	0.96	0.48	1.32	0.63	0.58	1.10
47.20	1.34	0.50	0.96	0.48	1.32	0.63	0.57	1.10
47.25	1.34	0.50	0.96	0.48	1.32	0.63	0.57	1.10
47.30	1.34	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.35	1.34	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.40	1.34	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.45	1.34	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.50	1.34	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.55	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.60	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.65	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.70	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.75	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.80	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.85	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.90	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
47.95	1.35	0.50	0.95	0.48	1.32	0.63	0.57	1.10
48.00	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.10
48.05	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.10
48.10	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.10
48.15	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.10
48.20	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.25	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.30	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.35	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.40	1.36	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.45	1.37	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.50	1.37	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.55	1.37	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.60	1.37	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.65	1.37	0.50	0.95	0.48	1.32	0.63	0.57	1.11
48.70	1.37	0.50	0.95	0.48	1.32	0.63	0.56	1.11
48.75	1.37	0.50	0.95	0.48	1.32	0.63	0.56	1.11
48.80	1.37	0.50	0.95	0.48	1.32	0.63	0.56	1.11
48.85	1.37	0.50	0.95	0.48	1.32	0.63	0.56	1.11
48.90	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.11
48.95	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.11
49.00	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.11
49.05	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.11
49.10	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.11
49.15	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.11

49.20	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.11
49.25	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.12
49.30	1.38	0.50	0.95	0.47	1.32	0.63	0.56	1.12
49.35	1.39	0.50	0.95	0.47	1.32	0.63	0.56	1.12
49.40	1.39	0.50	0.95	0.47	1.32	0.63	0.56	1.12
49.45	1.39	0.50	0.95	0.47	1.32	0.63	0.56	1.12
49.50	1.39	0.50	0.95	0.47	1.32	0.63	0.56	1.12
49.55	1.39	0.50	0.95	0.47	1.32	0.63	0.56	1.12
49.60	1.39	0.50	0.95	0.47	1.32	0.63	0.56	1.12
49.65	1.39	0.50	0.95	0.47	1.32	0.62	0.56	1.12
49.70	1.39	0.50	0.95	0.47	1.32	0.62	0.56	1.12
49.75	1.39	0.50	0.95	0.47	1.32	0.62	0.56	1.12
49.80	1.40	0.50	0.95	0.47	1.32	0.62	0.56	1.12
49.85	1.40	0.50	0.95	0.47	1.32	0.62	0.56	1.12
49.90	1.40	0.50	0.95	0.47	1.32	0.62	0.56	1.12
49.95	1.40	0.50	0.95	0.47	1.32	0.62	0.56	1.12
50.00	1.40	0.50	0.95	0.47	1.32	0.62	0.56	1.12
50.05	1.40	0.50	0.95	0.47	1.32	0.62	0.56	1.12
50.10	1.40	0.50	0.95	0.47	1.32	0.62	0.56	1.12
50.15	1.40	0.50	0.95	0.47	1.32	0.62	0.56	1.12
50.20	1.40	0.50	0.95	0.47	1.32	0.62	0.55	1.12
50.25	1.41	0.50	0.95	0.47	1.32	0.62	0.55	1.12
50.30	1.41	0.50	0.95	0.47	1.32	0.62	0.55	1.13
50.35	1.41	0.50	0.95	0.47	1.32	0.62	0.55	1.13
50.40	1.41	0.50	0.95	0.47	1.32	0.62	0.55	1.13
50.45	1.41	0.50	0.95	0.47	1.32	0.62	0.55	1.13
50.50	1.41	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.55	1.41	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.60	1.41	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.65	1.41	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.70	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.75	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.80	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.85	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.90	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
50.95	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.00	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.05	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.10	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.15	1.42	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.20	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.25	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.30	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.35	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.40	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.13
51.45	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.50	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.55	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.60	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.65	1.43	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.70	1.44	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.75	1.44	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.80	1.44	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.85	1.44	0.50	0.94	0.47	1.32	0.62	0.55	1.14
51.90	1.44	0.50	0.94	0.47	1.32	0.62	0.54	1.14
51.95	1.44	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.00	1.44	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.05	1.44	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.10	1.44	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.15	1.44	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.20	1.44	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.25	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.30	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.35	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.40	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.45	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.50	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.55	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.14
52.60	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.15
52.65	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.15
52.70	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.15
52.75	1.45	0.50	0.94	0.47	1.32	0.62	0.54	1.15
52.80	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15

52.85	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
52.90	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
52.95	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.00	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.05	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.10	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.15	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.20	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.25	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.30	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.35	1.46	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.40	1.47	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.45	1.47	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.50	1.47	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.55	1.47	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.60	1.47	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.65	1.47	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.70	1.47	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.75	1.47	0.50	0.94	0.47	1.32	0.62	0.54	1.15
53.80	1.47	0.50	0.94	0.47	1.32	0.62	0.53	1.16
53.85	1.47	0.50	0.94	0.47	1.32	0.62	0.53	1.16
53.90	1.47	0.50	0.94	0.47	1.32	0.62	0.53	1.16
53.95	1.47	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.00	1.47	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.05	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.10	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.15	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.20	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.25	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.30	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.35	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.40	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.45	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.50	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.55	1.48	0.50	0.94	0.47	1.32	0.62	0.53	1.16
54.60	1.48	0.50	0.93	0.47	1.32	0.62	0.53	1.16
54.65	1.48	0.50	0.93	0.47	1.32	0.62	0.53	1.16
54.70	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.16
54.75	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.16
54.80	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.16
54.85	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.16
54.90	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.16
54.95	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.16
55.00	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.16
55.05	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.16
55.10	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.15	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.20	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.25	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.30	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.35	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.40	1.49	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.45	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.50	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.55	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.60	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.65	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.70	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.75	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.80	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.85	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.90	1.50	0.50	0.93	0.47	1.32	0.62	0.53	1.17
55.95	1.50	0.50	0.93	0.47	1.32	0.62	0.52	1.17
56.00	1.50	0.50	0.93	0.47	1.32	0.61	0.52	1.17
56.05	1.50	0.50	0.93	0.47	1.32	0.61	0.52	1.17
56.10	1.50	0.50	0.93	0.47	1.32	0.61	0.52	1.17
56.15	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.17
56.20	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.17
56.25	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.17
56.30	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.17
56.35	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.17
56.40	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.45	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18

56.50	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.55	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.60	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.65	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.70	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.75	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.80	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.85	1.51	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.90	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
56.95	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
57.00	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
57.05	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
57.10	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
57.15	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
57.20	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
57.25	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
57.30	1.52	0.50	0.93	0.47	1.32	0.61	0.52	1.18
57.35	1.52	0.50	0.93	0.46	1.32	0.61	0.52	1.18
57.40	1.52	0.50	0.93	0.46	1.32	0.61	0.52	1.18
57.45	1.52	0.50	0.93	0.46	1.32	0.61	0.52	1.18
57.50	1.52	0.50	0.93	0.46	1.32	0.61	0.52	1.18
57.55	1.52	0.50	0.93	0.46	1.32	0.61	0.52	1.18
57.60	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
57.65	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
57.70	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
57.75	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
57.80	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
57.85	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
57.90	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
57.95	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
58.00	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
58.05	1.53	0.50	0.93	0.46	1.32	0.61	0.52	1.19
58.10	1.53	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.15	1.53	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.20	1.53	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.25	1.53	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.30	1.53	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.35	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.40	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.45	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.50	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.55	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.60	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.65	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.70	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.75	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.19
58.80	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.20
58.85	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.20
58.90	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.20
58.95	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.00	1.54	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.05	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.10	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.15	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.20	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.25	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.30	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.35	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.40	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.45	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.50	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.55	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.60	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.65	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.70	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.75	1.55	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.80	1.56	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.85	1.56	0.50	0.93	0.46	1.32	0.61	0.51	1.20
59.90	1.56	0.50	0.93	0.46	1.32	0.61	0.51	1.21
59.95	1.56	0.50	0.93	0.46	1.32	0.61	0.51	1.21
60.00	1.56	0.50	0.93	0.46	1.32	0.61	0.51	1.21
60.05	1.56	0.50	0.93	0.46	1.32	0.61	0.51	1.21
60.10	1.56	0.50	0.92	0.46	1.32	0.61	0.51	1.21

60.15	1.56	0.50	0.92	0.46	1.32	0.61	0.51	1.21
60.20	1.56	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.25	1.56	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.30	1.56	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.35	1.56	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.40	1.56	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.45	1.56	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.50	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.55	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.60	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.65	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.70	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.75	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.80	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.85	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.90	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
60.95	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.21
61.00	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.05	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.10	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.15	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.20	1.57	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.25	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.30	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.35	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.40	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.45	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.50	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.55	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.60	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.65	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.70	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.75	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.80	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.85	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.90	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
61.95	1.58	0.50	0.92	0.46	1.32	0.61	0.50	1.22
62.00	1.59	0.50	0.92	0.46	1.32	0.61	0.50	1.22
62.05	1.59	0.50	0.92	0.46	1.32	0.61	0.50	1.23
62.10	1.59	0.50	0.92	0.46	1.32	0.61	0.50	1.23
62.15	1.59	0.50	0.92	0.46	1.32	0.61	0.50	1.23
62.20	1.59	0.50	0.92	0.46	1.32	0.61	0.50	1.23
62.25	1.59	0.50	0.92	0.46	1.32	0.61	0.50	1.23
62.30	1.59	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.35	1.59	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.40	1.59	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.45	1.59	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.50	1.59	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.55	1.59	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.60	1.59	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.65	1.59	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.70	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.75	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.80	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.85	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.90	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.23
62.95	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.23
63.00	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.23
63.05	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.10	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.15	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.20	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.25	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.30	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.35	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.40	1.60	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.45	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.50	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.55	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.60	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.65	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.70	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.75	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24

63.80	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.85	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.90	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
63.95	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
64.00	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.24
64.05	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.25
64.10	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.25
64.15	1.61	0.50	0.92	0.46	1.32	0.61	0.49	1.25
64.20	1.62	0.50	0.92	0.46	1.32	0.61	0.49	1.25
64.25	1.62	0.50	0.92	0.46	1.32	0.61	0.49	1.25
64.30	1.62	0.50	0.92	0.46	1.32	0.61	0.48	1.25
64.35	1.62	0.50	0.92	0.46	1.32	0.61	0.48	1.25
64.40	1.62	0.50	0.92	0.46	1.32	0.61	0.48	1.25
64.45	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.50	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.55	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.60	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.65	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.70	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.75	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.80	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.85	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.90	1.62	0.50	0.92	0.46	1.32	0.60	0.48	1.25
64.95	1.63	0.50	0.92	0.46	1.32	0.60	0.48	1.25
65.00	1.63	0.50	0.92	0.46	1.32	0.60	0.48	1.26

* F.S.<1: Liquefaction Potential Zone. (If above water table: F.S.=5)
^ No-liquefiable Soils or above Water Table.
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:
Fines Correction for Settlement Analysis:

Depth ft	Ic	qc/N60	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
10.00	-	-	-	27.46	0.00	0.00	27.46
10.05	-	-	-	27.39	0.00	0.00	27.39
10.10	-	-	-	27.32	0.00	0.00	27.32
10.15	-	-	-	27.26	0.00	0.00	27.26
10.20	-	-	-	27.19	0.00	0.00	27.19
10.25	-	-	-	27.12	0.00	0.00	27.12
10.30	-	-	-	27.06	0.00	0.00	27.06
10.35	-	-	-	26.99	0.00	0.00	26.99
10.40	-	-	-	26.93	0.00	0.00	26.93
10.45	-	-	-	26.86	0.00	0.00	26.86
10.50	-	-	-	26.80	0.00	0.00	26.80
10.55	-	-	-	26.74	0.00	0.00	26.74
10.60	-	-	-	26.68	0.00	0.00	26.68
10.65	-	-	-	26.61	0.00	0.00	26.61
10.70	-	-	-	26.55	0.00	0.00	26.55
10.75	-	-	-	26.49	0.00	0.00	26.49
10.80	-	-	-	26.43	0.00	0.00	26.43
10.85	-	-	-	26.37	0.00	0.00	26.37
10.90	-	-	-	26.31	0.00	0.00	26.31
10.95	-	-	-	26.25	0.00	0.00	26.25
11.00	-	-	-	26.19	0.00	0.00	26.19
11.05	-	-	-	26.14	0.00	0.00	26.14
11.10	-	-	-	26.08	0.00	0.00	26.08
11.15	-	-	-	26.02	0.00	0.00	26.02
11.20	-	-	-	25.96	0.00	0.00	25.96
11.25	-	-	-	25.91	0.00	0.00	25.91
11.30	-	-	-	25.85	0.00	0.00	25.85
11.35	-	-	-	25.80	0.00	0.00	25.80
11.40	-	-	-	25.74	0.00	0.00	25.74
11.45	-	-	-	25.69	0.00	0.00	25.69
11.50	-	-	-	25.63	0.00	0.00	25.63
11.55	-	-	-	25.58	0.00	0.00	25.58
11.60	-	-	-	25.53	0.00	0.00	25.53
11.65	-	-	-	25.47	0.00	0.00	25.47
11.70	-	-	-	25.42	0.00	0.00	25.42
11.75	-	-	-	25.37	0.00	0.00	25.37
11.80	-	-	-	25.32	0.00	0.00	25.32

11.85	-	-	-	25.27	0.00	0.00	25.27
11.90	-	-	-	25.21	0.00	0.00	25.21
11.95	-	-	-	25.16	0.00	0.00	25.16
12.00	-	-	-	25.11	0.00	0.00	25.11
12.05	-	-	-	25.06	0.00	0.00	25.06
12.10	-	-	-	25.01	0.00	0.00	25.01
12.15	-	-	-	24.96	0.00	0.00	24.96
12.20	-	-	-	24.92	0.00	0.00	24.92
12.25	-	-	-	24.87	0.00	0.00	24.87
12.30	-	-	-	24.82	0.00	0.00	24.82
12.35	-	-	-	24.77	0.00	0.00	24.77
12.40	-	-	-	24.72	0.00	0.00	24.72
12.45	-	-	-	24.68	0.00	0.00	24.68
12.50	-	-	-	24.63	0.00	0.00	24.63
12.55	-	-	-	24.58	0.00	0.00	24.58
12.60	-	-	-	24.54	0.00	0.00	24.54
12.65	-	-	-	24.49	0.00	0.00	24.49
12.70	-	-	-	24.45	0.00	0.00	24.45
12.75	-	-	-	24.40	0.00	0.00	24.40
12.80	-	-	-	24.36	0.00	0.00	24.36
12.85	-	-	-	24.31	0.00	0.00	24.31
12.90	-	-	-	24.27	0.00	0.00	24.27
12.95	-	-	-	24.22	0.00	0.00	24.22
13.00	-	-	-	24.18	0.00	0.00	24.18
13.05	-	-	-	24.13	0.00	0.00	24.13
13.10	-	-	-	24.09	0.00	0.00	24.09
13.15	-	-	-	24.05	0.00	0.00	24.05
13.20	-	-	-	24.01	0.00	0.00	24.01
13.25	-	-	-	23.96	0.00	0.00	23.96
13.30	-	-	-	23.92	0.00	0.00	23.92
13.35	-	-	-	23.88	0.00	0.00	23.88
13.40	-	-	-	23.84	0.00	0.00	23.84
13.45	-	-	-	23.80	0.00	0.00	23.80
13.50	-	-	-	23.76	0.00	0.00	23.76
13.55	-	-	-	23.71	0.00	0.00	23.71
13.60	-	-	-	23.67	0.00	0.00	23.67
13.65	-	-	-	23.63	0.00	0.00	23.63
13.70	-	-	-	23.59	0.00	0.00	23.59
13.75	-	-	-	23.55	0.00	0.00	23.55
13.80	-	-	-	23.52	0.00	0.00	23.52
13.85	-	-	-	23.48	0.00	0.00	23.48
13.90	-	-	-	23.44	0.00	0.00	23.44
13.95	-	-	-	23.40	0.00	0.00	23.40
14.00	-	-	-	23.36	0.00	0.00	23.36
14.05	-	-	-	23.32	0.00	0.00	23.32
14.10	-	-	-	23.28	0.00	0.00	23.28
14.15	-	-	-	23.25	0.00	0.00	23.25
14.20	-	-	-	23.21	0.00	0.00	23.21
14.25	-	-	-	23.17	0.00	0.00	23.17
14.30	-	-	-	23.13	0.00	0.00	23.13
14.35	-	-	-	23.10	0.00	0.00	23.10
14.40	-	-	-	23.06	0.00	0.00	23.06
14.45	-	-	-	23.02	0.00	0.00	23.02
14.50	-	-	-	22.99	0.00	0.00	22.99
14.55	-	-	-	22.95	0.00	0.00	22.95
14.60	-	-	-	22.92	0.00	0.00	22.92
14.65	-	-	-	22.88	0.00	0.00	22.88
14.70	-	-	-	22.84	0.00	0.00	22.84
14.75	-	-	-	22.81	0.00	0.00	22.81
14.80	-	-	-	25.45	0.00	0.00	25.45
14.85	-	-	-	25.41	0.00	0.00	25.41
14.90	-	-	-	25.38	0.00	0.00	25.38
14.95	-	-	-	25.34	0.00	0.00	25.34
15.00	-	-	-	25.30	0.00	0.00	25.30
15.05	-	-	-	25.07	1.01	0.00	25.07
15.10	-	-	-	24.84	2.02	0.00	24.84
15.15	-	-	-	24.61	3.03	0.00	24.61
15.20	-	-	-	24.38	4.04	0.00	24.38
15.25	-	-	-	24.18	5.05	0.00	24.18
15.30	-	-	-	24.07	6.06	0.00	24.07
15.35	-	-	-	24.03	7.07	0.00	24.03
15.40	-	-	-	24.08	8.08	0.00	24.08
15.45	-	-	-	24.22	9.09	0.00	24.22

15.50	-	-	-	24.42	10.10	0.00	24.42
15.55	-	-	-	24.65	11.11	0.00	24.65
15.60	-	-	-	24.88	12.12	0.00	24.88
15.65	-	-	-	25.11	13.13	0.00	25.11
15.70	-	-	-	25.32	14.14	0.00	25.32
15.75	-	-	-	25.50	15.15	0.00	25.50
15.80	-	-	-	25.67	16.16	0.00	25.67
15.85	-	-	-	25.81	17.17	0.00	25.81
15.90	-	-	-	25.93	18.18	0.00	25.93
15.95	-	-	-	26.03	19.19	0.00	26.03
16.00	-	-	-	26.12	20.20	0.00	26.12
16.05	-	-	-	26.18	21.21	0.00	26.18
16.10	-	-	-	26.24	22.22	0.00	26.24
16.15	-	-	-	26.28	23.23	0.00	26.28
16.20	-	-	-	26.30	24.24	0.00	26.30
16.25	-	-	-	26.32	25.25	0.00	26.32
16.30	-	-	-	26.33	26.26	0.00	26.33
16.35	-	-	-	26.33	27.27	0.00	26.33
16.40	-	-	-	26.32	28.28	0.00	26.32
16.45	-	-	-	26.30	29.29	0.00	26.30
16.50	-	-	-	26.28	30.30	0.00	26.28
16.55	-	-	-	26.25	31.31	0.00	26.25
16.60	-	-	-	26.22	32.32	0.00	26.22
16.65	-	-	-	26.18	33.33	0.00	26.18
16.70	-	-	-	26.14	34.34	0.00	26.14
16.75	-	-	-	26.10	35.35	0.00	26.10
16.80	-	-	-	25.84	36.36	0.00	25.84
16.85	-	-	-	25.59	37.37	0.00	25.59
16.90	-	-	-	25.35	38.38	0.00	25.35
16.95	-	-	-	25.10	39.39	0.00	25.10
17.00	-	-	-	24.85	40.40	0.00	24.85
17.05	-	-	-	24.60	41.41	0.00	24.60
17.10	-	-	-	24.35	42.42	0.00	24.35
17.15	-	-	-	24.11	43.43	0.00	24.11
17.20	-	-	-	23.86	44.44	0.00	23.86
17.25	-	-	-	23.62	45.45	0.00	23.62
17.30	-	-	-	23.38	46.46	0.00	23.38
17.35	-	-	-	23.13	47.47	0.00	23.13
17.40	-	-	-	22.89	48.48	0.00	22.89
17.45	-	-	-	22.65	49.49	0.00	22.65
17.50	-	-	-	22.41	50.50	0.00	22.41
17.55	-	-	-	22.17	51.51	0.00	22.17
17.60	-	-	-	21.93	52.52	0.00	21.93
17.65	-	-	-	21.69	53.53	0.00	21.69
17.70	-	-	-	21.45	54.54	0.00	21.45
17.75	-	-	-	21.21	55.55	0.00	21.21
17.80	-	-	-	20.97	56.56	0.00	20.97
17.85	-	-	-	20.74	57.57	0.00	20.74
17.90	-	-	-	20.50	58.58	0.00	20.50
17.95	-	-	-	20.27	59.59	0.00	20.27
18.00	-	-	-	20.03	60.60	0.00	20.03
18.05	-	-	-	19.80	61.61	0.00	19.80
18.10	-	-	-	19.56	62.62	0.00	19.56
18.15	-	-	-	19.33	63.63	0.00	19.33
18.20	-	-	-	19.10	64.64	0.00	19.10
18.25	-	-	-	18.87	65.65	0.00	18.87
18.30	-	-	-	18.64	66.66	0.00	18.64
18.35	-	-	-	18.41	67.67	0.00	18.41
18.40	-	-	-	18.18	68.68	0.00	18.18
18.45	-	-	-	17.95	69.69	0.00	17.95
18.50	-	-	-	17.72	70.70	0.00	17.72
18.55	-	-	-	17.49	71.71	0.00	17.49
18.60	-	-	-	17.26	72.72	0.00	17.26
18.65	-	-	-	17.04	73.73	0.00	17.04
18.70	-	-	-	16.81	74.74	0.00	16.81
18.75	-	-	-	16.58	75.75	0.00	16.58
18.80	-	-	-	16.36	76.76	0.00	16.36
18.85	-	-	-	16.13	77.77	0.00	16.13
18.90	-	-	-	15.91	78.78	0.00	15.91
18.95	-	-	-	15.69	79.79	0.00	15.69
19.00	-	-	-	15.47	80.80	0.00	15.47
19.05	-	-	-	15.24	81.81	0.00	15.24
19.10	-	-	-	15.02	82.82	0.00	15.02

19.15	-	-	-	14.80	83.83	0.00	14.80
19.20	-	-	-	14.58	84.84	0.00	14.58
19.25	-	-	-	14.36	85.85	0.00	14.36
19.30	-	-	-	14.14	86.86	0.00	14.14
19.35	-	-	-	13.92	87.87	0.00	13.92
19.40	-	-	-	13.70	88.88	0.00	13.70
19.45	-	-	-	13.49	89.89	0.00	13.49
19.50	-	-	-	13.27	90.90	0.00	13.27
19.55	-	-	-	13.05	91.91	0.00	13.05
19.60	-	-	-	12.84	92.92	0.00	12.84
19.65	-	-	-	12.62	93.93	0.00	12.62
19.70	-	-	-	12.41	94.94	0.00	12.41
19.75	-	-	-	12.19	95.95	0.00	12.19
19.80	-	-	-	11.98	96.96	0.00	11.98
19.85	-	-	-	11.76	97.97	0.00	11.76
19.90	-	-	-	11.55	98.98	0.00	11.55
19.95	-	-	-	11.34	99.99	0.00	11.34
20.00	-	-	-	11.13	NoLiq	0.00	11.13
20.05	-	-	-	11.12	NoLiq	0.00	11.12
20.10	-	-	-	11.11	NoLiq	0.00	11.11
20.15	-	-	-	11.10	NoLiq	0.00	11.10
20.20	-	-	-	11.10	NoLiq	0.00	11.10
20.25	-	-	-	11.09	NoLiq	0.00	11.09
20.30	-	-	-	11.08	NoLiq	0.00	11.08
20.35	-	-	-	11.08	NoLiq	0.00	11.08
20.40	-	-	-	11.07	NoLiq	0.00	11.07
20.45	-	-	-	11.06	NoLiq	0.00	11.06
20.50	-	-	-	11.05	NoLiq	0.00	11.05
20.55	-	-	-	11.05	NoLiq	0.00	11.05
20.60	-	-	-	11.04	NoLiq	0.00	11.04
20.65	-	-	-	11.03	NoLiq	0.00	11.03
20.70	-	-	-	11.03	NoLiq	0.00	11.03
20.75	-	-	-	11.02	NoLiq	0.00	11.02
20.80	-	-	-	11.01	NoLiq	0.00	11.01
20.85	-	-	-	11.00	NoLiq	0.00	11.00
20.90	-	-	-	11.00	NoLiq	0.00	11.00
20.95	-	-	-	10.99	NoLiq	0.00	10.99
21.00	-	-	-	10.98	NoLiq	0.00	10.98
21.05	-	-	-	10.98	NoLiq	0.00	10.98
21.10	-	-	-	10.97	NoLiq	0.00	10.97
21.15	-	-	-	10.97	NoLiq	0.00	10.97
21.20	-	-	-	10.97	NoLiq	0.00	10.97
21.25	-	-	-	10.96	NoLiq	0.00	10.96
21.30	-	-	-	10.96	NoLiq	0.00	10.96
21.35	-	-	-	10.96	NoLiq	0.00	10.96
21.40	-	-	-	10.95	NoLiq	0.00	10.95
21.45	-	-	-	10.95	NoLiq	0.00	10.95
21.50	-	-	-	10.95	NoLiq	0.00	10.95
21.55	-	-	-	10.94	NoLiq	0.00	10.94
21.60	-	-	-	10.94	NoLiq	0.00	10.94
21.65	-	-	-	10.94	NoLiq	0.00	10.94
21.70	-	-	-	10.93	NoLiq	0.00	10.93
21.75	-	-	-	10.93	NoLiq	0.00	10.93
21.80	-	-	-	10.93	NoLiq	0.00	10.93
21.85	-	-	-	10.92	NoLiq	0.00	10.92
21.90	-	-	-	10.92	NoLiq	0.00	10.92
21.95	-	-	-	10.92	NoLiq	0.00	10.92
22.00	-	-	-	10.91	NoLiq	0.00	10.91
22.05	-	-	-	10.91	NoLiq	0.00	10.91
22.10	-	-	-	10.91	NoLiq	0.00	10.91
22.15	-	-	-	10.90	NoLiq	0.00	10.90
22.20	-	-	-	10.90	NoLiq	0.00	10.90
22.25	-	-	-	10.90	NoLiq	0.00	10.90
22.30	-	-	-	10.89	NoLiq	0.00	10.89
22.35	-	-	-	10.89	NoLiq	0.00	10.89
22.40	-	-	-	10.89	NoLiq	0.00	10.89
22.45	-	-	-	10.88	NoLiq	0.00	10.88
22.50	-	-	-	10.88	NoLiq	0.00	10.88
22.55	-	-	-	10.88	NoLiq	0.00	10.88
22.60	-	-	-	10.88	NoLiq	0.00	10.88
22.65	-	-	-	10.87	NoLiq	0.00	10.87
22.70	-	-	-	10.87	NoLiq	0.00	10.87
22.75	-	-	-	10.87	NoLiq	0.00	10.87

22.80	-	-	-	10.86	NoLiq	0.00	10.86
22.85	-	-	-	10.86	NoLiq	0.00	10.86
22.90	-	-	-	10.86	NoLiq	0.00	10.86
22.95	-	-	-	10.85	NoLiq	0.00	10.85
23.00	-	-	-	10.85	NoLiq	0.00	10.85
23.05	-	-	-	10.85	NoLiq	0.00	10.85
23.10	-	-	-	10.84	NoLiq	0.00	10.84
23.15	-	-	-	10.84	NoLiq	0.00	10.84
23.20	-	-	-	10.84	NoLiq	0.00	10.84
23.25	-	-	-	10.83	NoLiq	0.00	10.83
23.30	-	-	-	10.83	NoLiq	0.00	10.83
23.35	-	-	-	10.83	NoLiq	0.00	10.83
23.40	-	-	-	10.82	NoLiq	0.00	10.82
23.45	-	-	-	10.82	NoLiq	0.00	10.82
23.50	-	-	-	10.82	NoLiq	0.00	10.82
23.55	-	-	-	10.82	NoLiq	0.00	10.82
23.60	-	-	-	10.81	NoLiq	0.00	10.81
23.65	-	-	-	10.81	NoLiq	0.00	10.81
23.70	-	-	-	10.81	NoLiq	0.00	10.81
23.75	-	-	-	10.80	NoLiq	0.00	10.80
23.80	-	-	-	10.80	NoLiq	0.00	10.80
23.85	-	-	-	10.80	NoLiq	0.00	10.80
23.90	-	-	-	10.79	NoLiq	0.00	10.79
23.95	-	-	-	10.79	NoLiq	0.00	10.79
24.00	-	-	-	10.79	NoLiq	0.00	10.79
24.05	-	-	-	10.78	NoLiq	0.00	10.78
24.10	-	-	-	10.78	NoLiq	0.00	10.78
24.15	-	-	-	10.78	NoLiq	0.00	10.78
24.20	-	-	-	10.77	NoLiq	0.00	10.77
24.25	-	-	-	10.77	NoLiq	0.00	10.77
24.30	-	-	-	10.77	NoLiq	0.00	10.77
24.35	-	-	-	10.77	NoLiq	0.00	10.77
24.40	-	-	-	10.76	NoLiq	0.00	10.76
24.45	-	-	-	10.76	NoLiq	0.00	10.76
24.50	-	-	-	10.76	NoLiq	0.00	10.76
24.55	-	-	-	10.75	NoLiq	0.00	10.75
24.60	-	-	-	10.75	NoLiq	0.00	10.75
24.65	-	-	-	10.75	NoLiq	0.00	10.75
24.70	-	-	-	10.74	NoLiq	0.00	10.74
24.75	-	-	-	10.74	NoLiq	0.00	10.74
24.80	-	-	-	10.74	NoLiq	0.00	10.74
24.85	-	-	-	10.74	NoLiq	0.00	10.74
24.90	-	-	-	10.73	NoLiq	0.00	10.73
24.95	-	-	-	10.73	NoLiq	0.00	10.73
25.00	-	-	-	10.73	NoLiq	0.00	10.73
25.05	-	-	-	10.76	NoLiq	0.00	10.76
25.10	-	-	-	10.80	NoLiq	0.00	10.80
25.15	-	-	-	10.83	NoLiq	0.00	10.83
25.20	-	-	-	10.87	NoLiq	0.00	10.87
25.25	-	-	-	10.90	NoLiq	0.00	10.90
25.30	-	-	-	10.94	NoLiq	0.00	10.94
25.35	-	-	-	10.97	NoLiq	0.00	10.97
25.40	-	-	-	11.01	NoLiq	0.00	11.01
25.45	-	-	-	11.04	NoLiq	0.00	11.04
25.50	-	-	-	11.08	NoLiq	0.00	11.08
25.55	-	-	-	11.11	NoLiq	0.00	11.11
25.60	-	-	-	11.15	NoLiq	0.00	11.15
25.65	-	-	-	11.18	NoLiq	0.00	11.18
25.70	-	-	-	11.22	NoLiq	0.00	11.22
25.75	-	-	-	11.25	NoLiq	0.00	11.25
25.80	-	-	-	11.28	NoLiq	0.00	11.28
25.85	-	-	-	11.32	NoLiq	0.00	11.32
25.90	-	-	-	11.35	NoLiq	0.00	11.35
25.95	-	-	-	11.39	NoLiq	0.00	11.39
26.00	-	-	-	11.42	NoLiq	0.00	11.42
26.05	-	-	-	11.46	NoLiq	0.00	11.46
26.10	-	-	-	11.49	NoLiq	0.00	11.49
26.15	-	-	-	11.53	NoLiq	0.00	11.53
26.20	-	-	-	11.56	NoLiq	0.00	11.56
26.25	-	-	-	11.60	NoLiq	0.00	11.60
26.30	-	-	-	11.63	NoLiq	0.00	11.63
26.35	-	-	-	11.66	NoLiq	0.00	11.66
26.40	-	-	-	11.70	NoLiq	0.00	11.70

26.45	-	-	-	11.73	NoLiq	0.00	11.73
26.50	-	-	-	11.77	NoLiq	0.00	11.77
26.55	-	-	-	11.80	NoLiq	0.00	11.80
26.60	-	-	-	11.83	NoLiq	0.00	11.83
26.65	-	-	-	11.87	NoLiq	0.00	11.87
26.70	-	-	-	11.90	NoLiq	0.00	11.90
26.75	-	-	-	11.94	NoLiq	0.00	11.94
26.80	-	-	-	11.97	NoLiq	0.00	11.97
26.85	-	-	-	12.00	NoLiq	0.00	12.00
26.90	-	-	-	12.04	NoLiq	0.00	12.04
26.95	-	-	-	12.07	NoLiq	0.00	12.07
27.00	-	-	-	12.11	NoLiq	0.00	12.11
27.05	-	-	-	12.14	NoLiq	0.00	12.14
27.10	-	-	-	12.17	NoLiq	0.00	12.17
27.15	-	-	-	12.21	NoLiq	0.00	12.21
27.20	-	-	-	12.24	NoLiq	0.00	12.24
27.25	-	-	-	12.27	NoLiq	0.00	12.27
27.30	-	-	-	12.31	NoLiq	0.00	12.31
27.35	-	-	-	12.34	NoLiq	0.00	12.34
27.40	-	-	-	12.38	NoLiq	0.00	12.38
27.45	-	-	-	12.41	NoLiq	0.00	12.41
27.50	-	-	-	12.44	NoLiq	0.00	12.44
27.55	-	-	-	12.48	NoLiq	0.00	12.48
27.60	-	-	-	12.51	NoLiq	0.00	12.51
27.65	-	-	-	12.54	NoLiq	0.00	12.54
27.70	-	-	-	12.58	NoLiq	0.00	12.58
27.75	-	-	-	12.61	NoLiq	0.00	12.61
27.80	-	-	-	12.64	NoLiq	0.00	12.64
27.85	-	-	-	12.68	NoLiq	0.00	12.68
27.90	-	-	-	13.12	NoLiq	0.00	13.12
27.95	-	-	-	13.15	NoLiq	0.00	13.15
28.00	-	-	-	13.19	NoLiq	0.00	13.19
28.05	-	-	-	13.22	NoLiq	0.00	13.22
28.10	-	-	-	13.26	NoLiq	0.00	13.26
28.15	-	-	-	13.29	NoLiq	0.00	13.29
28.20	-	-	-	13.33	NoLiq	0.00	13.33
28.25	-	-	-	13.36	NoLiq	0.00	13.36
28.30	-	-	-	13.39	NoLiq	0.00	13.39
28.35	-	-	-	13.43	NoLiq	0.00	13.43
28.40	-	-	-	13.46	NoLiq	0.00	13.46
28.45	-	-	-	13.50	NoLiq	0.00	13.50
28.50	-	-	-	13.53	NoLiq	0.00	13.53
28.55	-	-	-	13.57	NoLiq	0.00	13.57
28.60	-	-	-	13.60	NoLiq	0.00	13.60
28.65	-	-	-	13.64	NoLiq	0.00	13.64
28.70	-	-	-	13.67	NoLiq	0.00	13.67
28.75	-	-	-	13.71	NoLiq	0.00	13.71
28.80	-	-	-	13.74	NoLiq	0.00	13.74
28.85	-	-	-	13.78	NoLiq	0.00	13.78
28.90	-	-	-	13.81	NoLiq	0.00	13.81
28.95	-	-	-	13.84	NoLiq	0.00	13.84
29.00	-	-	-	13.88	NoLiq	0.00	13.88
29.05	-	-	-	13.91	NoLiq	0.00	13.91
29.10	-	-	-	13.95	NoLiq	0.00	13.95
29.15	-	-	-	13.98	NoLiq	0.00	13.98
29.20	-	-	-	14.02	NoLiq	0.00	14.02
29.25	-	-	-	14.05	NoLiq	0.00	14.05
29.30	-	-	-	14.08	NoLiq	0.00	14.08
29.35	-	-	-	14.12	NoLiq	0.00	14.12
29.40	-	-	-	14.15	NoLiq	0.00	14.15
29.45	-	-	-	14.19	NoLiq	0.00	14.19
29.50	-	-	-	14.22	NoLiq	0.00	14.22
29.55	-	-	-	14.25	NoLiq	0.00	14.25
29.60	-	-	-	14.29	NoLiq	0.00	14.29
29.65	-	-	-	14.32	NoLiq	0.00	14.32
29.70	-	-	-	14.36	NoLiq	0.00	14.36
29.75	-	-	-	14.39	NoLiq	0.00	14.39
29.80	-	-	-	14.42	NoLiq	0.00	14.42
29.85	-	-	-	14.46	NoLiq	0.00	14.46
29.90	-	-	-	14.49	NoLiq	0.00	14.49
29.95	-	-	-	14.52	NoLiq	0.00	14.52
30.00	-	-	-	14.56	NoLiq	0.00	14.56
30.05	-	-	-	14.55	NoLiq	0.00	14.55

30.10	-	-	-	14.55	NoLiq	0.00	14.55
30.15	-	-	-	14.54	NoLiq	0.00	14.54
30.20	-	-	-	14.54	NoLiq	0.00	14.54
30.25	-	-	-	14.54	NoLiq	0.00	14.54
30.30	-	-	-	14.53	NoLiq	0.00	14.53
30.35	-	-	-	14.53	NoLiq	0.00	14.53
30.40	-	-	-	14.52	NoLiq	0.00	14.52
30.45	-	-	-	14.52	NoLiq	0.00	14.52
30.50	-	-	-	14.51	NoLiq	0.00	14.51
30.55	-	-	-	14.51	NoLiq	0.00	14.51
30.60	-	-	-	14.50	NoLiq	0.00	14.50
30.65	-	-	-	14.50	NoLiq	0.00	14.50
30.70	-	-	-	14.50	NoLiq	0.00	14.50
30.75	-	-	-	14.49	NoLiq	0.00	14.49
30.80	-	-	-	14.49	NoLiq	0.00	14.49
30.85	-	-	-	14.48	NoLiq	0.00	14.48
30.90	-	-	-	14.48	NoLiq	0.00	14.48
30.95	-	-	-	14.47	NoLiq	0.00	14.47
31.00	-	-	-	14.47	NoLiq	0.00	14.47
31.05	-	-	-	14.46	NoLiq	0.00	14.46
31.10	-	-	-	14.46	NoLiq	0.00	14.46
31.15	-	-	-	14.46	NoLiq	0.00	14.46
31.20	-	-	-	14.45	NoLiq	0.00	14.45
31.25	-	-	-	14.45	NoLiq	0.00	14.45
31.30	-	-	-	14.44	NoLiq	0.00	14.44
31.35	-	-	-	14.44	NoLiq	0.00	14.44
31.40	-	-	-	14.43	NoLiq	0.00	14.43
31.45	-	-	-	14.43	NoLiq	0.00	14.43
31.50	-	-	-	14.42	NoLiq	0.00	14.42
31.55	-	-	-	14.42	NoLiq	0.00	14.42
31.60	-	-	-	14.42	NoLiq	0.00	14.42
31.65	-	-	-	14.41	NoLiq	0.00	14.41
31.70	-	-	-	14.41	NoLiq	0.00	14.41
31.75	-	-	-	14.40	NoLiq	0.00	14.40
31.80	-	-	-	14.40	NoLiq	0.00	14.40
31.85	-	-	-	14.39	NoLiq	0.00	14.39
31.90	-	-	-	14.39	NoLiq	0.00	14.39
31.95	-	-	-	14.38	NoLiq	0.00	14.38
32.00	-	-	-	14.38	NoLiq	0.00	14.38
32.05	-	-	-	14.38	NoLiq	0.00	14.38
32.10	-	-	-	14.37	NoLiq	0.00	14.37
32.15	-	-	-	14.37	NoLiq	0.00	14.37
32.20	-	-	-	14.36	NoLiq	0.00	14.36
32.25	-	-	-	14.36	NoLiq	0.00	14.36
32.30	-	-	-	14.35	NoLiq	0.00	14.35
32.35	-	-	-	14.35	NoLiq	0.00	14.35
32.40	-	-	-	14.34	NoLiq	0.00	14.34
32.45	-	-	-	14.34	NoLiq	0.00	14.34
32.50	-	-	-	14.34	NoLiq	0.00	14.34
32.55	-	-	-	14.33	NoLiq	0.00	14.33
32.60	-	-	-	14.33	NoLiq	0.00	14.33
32.65	-	-	-	14.32	NoLiq	0.00	14.32
32.70	-	-	-	14.32	NoLiq	0.00	14.32
32.75	-	-	-	14.31	NoLiq	0.00	14.31
32.80	-	-	-	14.31	NoLiq	0.00	14.31
32.85	-	-	-	14.30	NoLiq	0.00	14.30
32.90	-	-	-	14.30	NoLiq	0.00	14.30
32.95	-	-	-	14.30	NoLiq	0.00	14.30
33.00	-	-	-	14.29	NoLiq	0.00	14.29
33.05	-	-	-	14.29	NoLiq	0.00	14.29
33.10	-	-	-	14.28	NoLiq	0.00	14.28
33.15	-	-	-	14.28	NoLiq	0.00	14.28
33.20	-	-	-	14.27	NoLiq	0.00	14.27
33.25	-	-	-	14.27	NoLiq	0.00	14.27
33.30	-	-	-	14.27	NoLiq	0.00	14.27
33.35	-	-	-	14.26	NoLiq	0.00	14.26
33.40	-	-	-	14.26	NoLiq	0.00	14.26
33.45	-	-	-	14.25	NoLiq	0.00	14.25
33.50	-	-	-	14.25	NoLiq	0.00	14.25
33.55	-	-	-	14.24	NoLiq	0.00	14.24
33.60	-	-	-	14.24	NoLiq	0.00	14.24
33.65	-	-	-	14.24	NoLiq	0.00	14.24
33.70	-	-	-	14.23	NoLiq	0.00	14.23

33.75	-	-	-	14.23	NoLiq	0.00	14.23
33.80	-	-	-	14.22	NoLiq	0.00	14.22
33.85	-	-	-	14.22	NoLiq	0.00	14.22
33.90	-	-	-	14.21	NoLiq	0.00	14.21
33.95	-	-	-	14.21	NoLiq	0.00	14.21
34.00	-	-	-	14.21	NoLiq	0.00	14.21
34.05	-	-	-	14.20	NoLiq	0.00	14.20
34.10	-	-	-	14.20	NoLiq	0.00	14.20
34.15	-	-	-	14.19	NoLiq	0.00	14.19
34.20	-	-	-	14.19	NoLiq	0.00	14.19
34.25	-	-	-	14.18	NoLiq	0.00	14.18
34.30	-	-	-	14.18	NoLiq	0.00	14.18
34.35	-	-	-	14.18	NoLiq	0.00	14.18
34.40	-	-	-	14.17	NoLiq	0.00	14.17
34.45	-	-	-	14.17	NoLiq	0.00	14.17
34.50	-	-	-	14.16	NoLiq	0.00	14.16
34.55	-	-	-	14.16	NoLiq	0.00	14.16
34.60	-	-	-	14.15	NoLiq	0.00	14.15
34.65	-	-	-	14.15	NoLiq	0.00	14.15
34.70	-	-	-	14.15	NoLiq	0.00	14.15
34.75	-	-	-	14.14	NoLiq	0.00	14.14
34.80	-	-	-	14.14	NoLiq	0.00	14.14
34.85	-	-	-	14.13	NoLiq	0.00	14.13
34.90	-	-	-	14.13	NoLiq	0.00	14.13
34.95	-	-	-	14.12	NoLiq	0.00	14.12
35.00	-	-	-	14.12	NoLiq	0.00	14.12
35.05	-	-	-	14.53	NoLiq	0.00	14.53
35.10	-	-	-	14.95	NoLiq	0.00	14.95
35.15	-	-	-	15.36	NoLiq	0.00	15.36
35.20	-	-	-	15.78	NoLiq	0.00	15.78
35.25	-	-	-	16.19	NoLiq	0.00	16.19
35.30	-	-	-	16.60	NoLiq	0.00	16.60
35.35	-	-	-	17.02	NoLiq	0.00	17.02
35.40	-	-	-	17.43	NoLiq	0.00	17.43
35.45	-	-	-	17.84	NoLiq	0.00	17.84
35.50	-	-	-	18.25	NoLiq	0.00	18.25
35.55	-	-	-	18.66	NoLiq	0.00	18.66
35.60	-	-	-	19.07	NoLiq	0.00	19.07
35.65	-	-	-	19.48	NoLiq	0.00	19.48
35.70	-	-	-	19.89	NoLiq	0.00	19.89
35.75	-	-	-	20.30	NoLiq	0.00	20.30
35.80	-	-	-	20.71	NoLiq	0.00	20.71
35.85	-	-	-	21.12	NoLiq	0.00	21.12
35.90	-	-	-	21.53	NoLiq	0.00	21.53
35.95	-	-	-	21.94	NoLiq	0.00	21.94
36.00	-	-	-	22.35	NoLiq	0.00	22.35
36.05	-	-	-	22.76	NoLiq	0.00	22.76
36.10	-	-	-	23.16	NoLiq	0.00	23.16
36.15	-	-	-	23.57	NoLiq	0.00	23.57
36.20	-	-	-	23.98	NoLiq	0.00	23.98
36.25	-	-	-	24.38	NoLiq	0.00	24.38
36.30	-	-	-	24.79	NoLiq	0.00	24.79
36.35	-	-	-	25.19	NoLiq	0.00	25.19
36.40	-	-	-	25.60	NoLiq	0.00	25.60
36.45	-	-	-	26.00	NoLiq	0.00	26.00
36.50	-	-	-	26.41	NoLiq	0.00	26.41
36.55	-	-	-	26.81	NoLiq	0.00	26.81
36.60	-	-	-	27.22	NoLiq	0.00	27.22
36.65	-	-	-	27.62	NoLiq	0.00	27.62
36.70	-	-	-	28.02	NoLiq	0.00	28.02
36.75	-	-	-	28.42	NoLiq	0.00	28.42
36.80	-	-	-	28.83	NoLiq	0.00	28.83
36.85	-	-	-	29.23	NoLiq	0.00	29.23
36.90	-	-	-	29.63	NoLiq	0.00	29.63
36.95	-	-	-	30.03	NoLiq	0.00	30.03
37.00	-	-	-	30.43	NoLiq	0.00	30.43
37.05	-	-	-	30.83	NoLiq	0.00	30.83
37.10	-	-	-	31.23	NoLiq	0.00	31.23
37.15	-	-	-	31.63	NoLiq	0.00	31.63
37.20	-	-	-	32.03	NoLiq	0.00	32.03
37.25	-	-	-	32.43	NoLiq	0.00	32.43
37.30	-	-	-	32.83	NoLiq	0.00	32.83
37.35	-	-	-	33.23	NoLiq	0.00	33.23

37.40	-	-	-	33.63	NoLiq	0.00	33.63
37.45	-	-	-	34.03	NoLiq	0.00	34.03
37.50	-	-	-	34.42	NoLiq	0.00	34.42
37.55	-	-	-	34.82	NoLiq	0.00	34.82
37.60	-	-	-	35.22	NoLiq	0.00	35.22
37.65	-	-	-	35.61	NoLiq	0.00	35.61
37.70	-	-	-	36.01	NoLiq	0.00	36.01
37.75	-	-	-	36.41	NoLiq	0.00	36.41
37.80	-	-	-	36.80	NoLiq	0.00	36.80
37.85	-	-	-	37.20	NoLiq	0.00	37.20
37.90	-	-	-	37.59	NoLiq	0.00	37.59
37.95	-	-	-	37.99	NoLiq	0.00	37.99
38.00	-	-	-	38.38	NoLiq	0.00	38.38
38.05	-	-	-	38.77	NoLiq	0.00	38.77
38.10	-	-	-	39.17	NoLiq	0.00	39.17
38.15	-	-	-	39.56	NoLiq	0.00	39.56
38.20	-	-	-	39.95	NoLiq	0.00	39.95
38.25	-	-	-	40.35	NoLiq	0.00	40.35
38.30	-	-	-	40.74	NoLiq	0.00	40.74
38.35	-	-	-	41.13	NoLiq	0.00	41.13
38.40	-	-	-	41.52	NoLiq	0.00	41.52
38.45	-	-	-	41.91	NoLiq	0.00	41.91
38.50	-	-	-	42.30	NoLiq	0.00	42.30
38.55	-	-	-	42.69	NoLiq	0.00	42.69
38.60	-	-	-	43.08	NoLiq	0.00	43.08
38.65	-	-	-	43.47	NoLiq	0.00	43.47
38.70	-	-	-	43.86	NoLiq	0.00	43.86
38.75	-	-	-	44.25	NoLiq	0.00	44.25
38.80	-	-	-	44.64	NoLiq	0.00	44.64
38.85	-	-	-	45.03	NoLiq	0.00	45.03
38.90	-	-	-	45.42	NoLiq	0.00	45.42
38.95	-	-	-	45.81	NoLiq	0.00	45.81
39.00	-	-	-	46.20	NoLiq	0.00	46.20
39.05	-	-	-	46.58	NoLiq	0.00	46.58
39.10	-	-	-	46.97	NoLiq	0.00	46.97
39.15	-	-	-	47.36	NoLiq	0.00	47.36
39.20	-	-	-	47.74	NoLiq	0.00	47.74
39.25	-	-	-	48.13	NoLiq	0.00	48.13
39.30	-	-	-	48.52	NoLiq	0.00	48.52
39.35	-	-	-	48.90	NoLiq	0.00	48.90
39.40	-	-	-	49.29	NoLiq	0.00	49.29
39.45	-	-	-	49.67	NoLiq	0.00	49.67
39.50	-	-	-	50.06	NoLiq	0.00	50.06
39.55	-	-	-	50.44	NoLiq	0.00	50.44
39.60	-	-	-	50.83	NoLiq	0.00	50.83
39.65	-	-	-	51.21	NoLiq	0.00	51.21
39.70	-	-	-	51.59	NoLiq	0.00	51.59
39.75	-	-	-	51.98	NoLiq	0.00	51.98
39.80	-	-	-	52.36	NoLiq	0.00	52.36
39.85	-	-	-	52.74	NoLiq	0.00	52.74
39.90	-	-	-	53.12	NoLiq	0.00	53.12
39.95	-	-	-	53.51	NoLiq	0.00	53.51
40.00	-	-	-	53.89	NoLiq	0.00	53.89
40.05	-	-	-	53.87	NoLiq	0.00	53.87
40.10	-	-	-	53.85	NoLiq	0.00	53.85
40.15	-	-	-	53.83	NoLiq	0.00	53.83
40.20	-	-	-	53.81	NoLiq	0.00	53.81
40.25	-	-	-	53.79	NoLiq	0.00	53.79
40.30	-	-	-	53.77	NoLiq	0.00	53.77
40.35	-	-	-	53.75	NoLiq	0.00	53.75
40.40	-	-	-	53.73	NoLiq	0.00	53.73
40.45	-	-	-	53.71	NoLiq	0.00	53.71
40.50	-	-	-	53.69	NoLiq	0.00	53.69
40.55	-	-	-	53.67	NoLiq	0.00	53.67
40.60	-	-	-	53.65	NoLiq	0.00	53.65
40.65	-	-	-	53.63	NoLiq	0.00	53.63
40.70	-	-	-	53.61	NoLiq	0.00	53.61
40.75	-	-	-	53.59	NoLiq	0.00	53.59
40.80	-	-	-	53.57	NoLiq	0.00	53.57
40.85	-	-	-	53.55	NoLiq	0.00	53.55
40.90	-	-	-	53.53	NoLiq	0.00	53.53
40.95	-	-	-	53.51	NoLiq	0.00	53.51
41.00	-	-	-	53.49	NoLiq	0.00	53.49

41.05	-	-	-	53.47	NoLiq	0.00	53.47
41.10	-	-	-	53.45	NoLiq	0.00	53.45
41.15	-	-	-	53.43	NoLiq	0.00	53.43
41.20	-	-	-	53.41	NoLiq	0.00	53.41
41.25	-	-	-	53.38	NoLiq	0.00	53.38
41.30	-	-	-	53.36	NoLiq	0.00	53.36
41.35	-	-	-	53.34	NoLiq	0.00	53.34
41.40	-	-	-	53.32	NoLiq	0.00	53.32
41.45	-	-	-	53.30	NoLiq	0.00	53.30
41.50	-	-	-	53.28	NoLiq	0.00	53.28
41.55	-	-	-	53.26	NoLiq	0.00	53.26
41.60	-	-	-	53.24	NoLiq	0.00	53.24
41.65	-	-	-	53.22	NoLiq	0.00	53.22
41.70	-	-	-	53.20	NoLiq	0.00	53.20
41.75	-	-	-	53.18	NoLiq	0.00	53.18
41.80	-	-	-	53.16	NoLiq	0.00	53.16
41.85	-	-	-	53.14	NoLiq	0.00	53.14
41.90	-	-	-	53.12	NoLiq	0.00	53.12
41.95	-	-	-	53.10	NoLiq	0.00	53.10
42.00	-	-	-	53.08	NoLiq	0.00	53.08
42.05	-	-	-	53.06	NoLiq	0.00	53.06
42.10	-	-	-	53.03	NoLiq	0.00	53.03
42.15	-	-	-	53.01	NoLiq	0.00	53.01
42.20	-	-	-	52.99	NoLiq	0.00	52.99
42.25	-	-	-	52.97	NoLiq	0.00	52.97
42.30	-	-	-	52.95	NoLiq	0.00	52.95
42.35	-	-	-	52.93	NoLiq	0.00	52.93
42.40	-	-	-	52.91	NoLiq	0.00	52.91
42.45	-	-	-	52.89	NoLiq	0.00	52.89
42.50	-	-	-	52.87	NoLiq	0.00	52.87
42.55	-	-	-	52.85	NoLiq	0.00	52.85
42.60	-	-	-	52.83	NoLiq	0.00	52.83
42.65	-	-	-	52.81	NoLiq	0.00	52.81
42.70	-	-	-	52.79	NoLiq	0.00	52.79
42.75	-	-	-	52.76	NoLiq	0.00	52.76
42.80	-	-	-	52.74	NoLiq	0.00	52.74
42.85	-	-	-	52.72	NoLiq	0.00	52.72
42.90	-	-	-	52.70	NoLiq	0.00	52.70
42.95	-	-	-	52.68	NoLiq	0.00	52.68
43.00	-	-	-	52.66	NoLiq	0.00	52.66
43.05	-	-	-	52.64	NoLiq	0.00	52.64
43.10	-	-	-	52.62	NoLiq	0.00	52.62
43.15	-	-	-	52.60	NoLiq	0.00	52.60
43.20	-	-	-	52.58	NoLiq	0.00	52.58
43.25	-	-	-	52.55	NoLiq	0.00	52.55
43.30	-	-	-	52.53	NoLiq	0.00	52.53
43.35	-	-	-	52.51	NoLiq	0.00	52.51
43.40	-	-	-	52.49	NoLiq	0.00	52.49
43.45	-	-	-	52.47	NoLiq	0.00	52.47
43.50	-	-	-	52.45	NoLiq	0.00	52.45
43.55	-	-	-	52.43	NoLiq	0.00	52.43
43.60	-	-	-	52.41	NoLiq	0.00	52.41
43.65	-	-	-	52.39	NoLiq	0.00	52.39
43.70	-	-	-	52.36	NoLiq	0.00	52.36
43.75	-	-	-	52.34	NoLiq	0.00	52.34
43.80	-	-	-	52.32	NoLiq	0.00	52.32
43.85	-	-	-	52.30	NoLiq	0.00	52.30
43.90	-	-	-	52.28	NoLiq	0.00	52.28
43.95	-	-	-	52.26	NoLiq	0.00	52.26
44.00	-	-	-	52.24	NoLiq	0.00	52.24
44.05	-	-	-	52.22	NoLiq	0.00	52.22
44.10	-	-	-	52.19	NoLiq	0.00	52.19
44.15	-	-	-	52.17	NoLiq	0.00	52.17
44.20	-	-	-	52.15	NoLiq	0.00	52.15
44.25	-	-	-	52.13	NoLiq	0.00	52.13
44.30	-	-	-	52.11	NoLiq	0.00	52.11
44.35	-	-	-	52.09	NoLiq	0.00	52.09
44.40	-	-	-	52.07	NoLiq	0.00	52.07
44.45	-	-	-	52.05	NoLiq	0.00	52.05
44.50	-	-	-	52.02	NoLiq	0.00	52.02
44.55	-	-	-	52.00	NoLiq	0.00	52.00
44.60	-	-	-	51.98	NoLiq	0.00	51.98
44.65	-	-	-	51.96	NoLiq	0.00	51.96

44.70	-	-	-	51.94	NoLiq	0.00	51.94
44.75	-	-	-	51.92	NoLiq	0.00	51.92
44.80	-	-	-	51.90	NoLiq	0.00	51.90
44.85	-	-	-	51.87	NoLiq	0.00	51.87
44.90	-	-	-	51.85	NoLiq	0.00	51.85
44.95	-	-	-	51.83	NoLiq	0.00	51.83
45.00	-	-	-	51.81	NoLiq	0.00	51.81
45.05	-	-	-	52.07	NoLiq	0.00	52.07
45.10	-	-	-	52.33	99.20	0.00	52.33
45.15	-	-	-	52.60	98.29	0.00	52.60
45.20	-	-	-	52.86	97.38	0.00	52.86
45.25	-	-	-	53.12	96.48	0.00	53.12
45.30	-	-	-	53.38	95.57	0.00	53.38
45.35	-	-	-	53.64	94.67	0.00	53.64
45.40	-	-	-	53.90	93.76	0.00	53.90
45.45	-	-	-	54.16	92.85	0.00	54.16
45.50	-	-	-	54.42	91.95	0.00	54.42
45.55	-	-	-	54.69	91.04	0.00	54.69
45.60	-	-	-	54.95	90.14	0.00	54.95
45.65	-	-	-	55.21	89.23	0.00	55.21
45.70	-	-	-	55.47	88.32	0.00	55.47
45.75	-	-	-	55.72	87.42	0.00	55.72
45.80	-	-	-	55.98	86.51	0.00	55.98
45.85	-	-	-	56.24	85.61	0.00	56.24
45.90	-	-	-	56.50	84.70	0.00	56.50
45.95	-	-	-	56.76	83.79	0.00	56.76
46.00	-	-	-	57.02	82.89	0.00	57.02
46.05	-	-	-	57.28	81.98	0.00	57.28
46.10	-	-	-	57.54	81.08	0.00	57.54
46.15	-	-	-	57.79	80.17	0.00	57.79
46.20	-	-	-	58.05	79.26	0.00	58.05
46.25	-	-	-	58.31	78.36	0.00	58.31
46.30	-	-	-	58.57	77.45	0.00	58.57
46.35	-	-	-	58.82	76.55	0.00	58.82
46.40	-	-	-	59.08	75.64	0.00	59.08
46.45	-	-	-	59.34	74.73	0.00	59.34
46.50	-	-	-	59.60	73.83	0.00	59.60
46.55	-	-	-	59.85	72.92	0.00	59.85
46.60	-	-	-	60.11	72.02	0.00	60.11
46.65	-	-	-	60.36	71.11	0.00	60.36
46.70	-	-	-	60.62	70.20	0.00	60.62
46.75	-	-	-	60.88	69.30	0.00	60.88
46.80	-	-	-	61.13	68.39	0.00	61.13
46.85	-	-	-	61.39	67.49	0.00	61.39
46.90	-	-	-	61.64	66.58	0.00	61.64
46.95	-	-	-	61.90	65.67	0.00	61.90
47.00	-	-	-	62.15	64.77	0.00	62.15
47.05	-	-	-	62.41	63.86	0.00	62.41
47.10	-	-	-	62.66	62.96	0.00	62.66
47.15	-	-	-	62.91	62.05	0.00	62.91
47.20	-	-	-	63.17	61.14	0.00	63.17
47.25	-	-	-	63.42	60.24	0.00	63.42
47.30	-	-	-	63.67	59.33	0.00	63.67
47.35	-	-	-	63.93	58.43	0.00	63.93
47.40	-	-	-	64.18	57.52	0.00	64.18
47.45	-	-	-	64.43	56.61	0.00	64.43
47.50	-	-	-	64.69	55.71	0.00	64.69
47.55	-	-	-	64.94	54.80	0.00	64.94
47.60	-	-	-	65.19	53.90	0.00	65.19
47.65	-	-	-	65.44	52.99	0.00	65.44
47.70	-	-	-	65.70	52.08	0.00	65.70
47.75	-	-	-	65.95	51.18	0.00	65.95
47.80	-	-	-	66.20	50.27	0.00	66.20
47.85	-	-	-	66.45	49.37	0.00	66.45
47.90	-	-	-	66.70	48.46	0.00	66.70
47.95	-	-	-	66.95	47.55	0.00	66.95
48.00	-	-	-	67.20	46.65	0.00	67.20
48.05	-	-	-	67.46	45.74	0.00	67.46
48.10	-	-	-	67.71	44.84	0.00	67.71
48.15	-	-	-	67.96	43.93	0.00	67.96
48.20	-	-	-	68.21	43.02	0.00	68.21
48.25	-	-	-	68.46	42.12	0.00	68.46
48.30	-	-	-	68.71	41.21	0.00	68.71

48.35	-	-	-	68.96	40.31	0.00	68.96
48.40	-	-	-	69.21	39.40	0.00	69.21
48.45	-	-	-	69.46	38.49	0.00	69.46
48.50	-	-	-	69.70	37.59	0.00	69.70
48.55	-	-	-	69.95	36.68	0.00	69.95
48.60	-	-	-	70.20	35.78	0.00	70.20
48.65	-	-	-	70.20	34.87	0.00	70.20
48.70	-	-	-	69.97	33.96	0.00	69.97
48.75	-	-	-	69.74	33.06	0.00	69.74
48.80	-	-	-	69.51	32.15	0.00	69.51
48.85	-	-	-	69.27	31.25	0.00	69.27
48.90	-	-	-	69.04	30.34	0.00	69.04
48.95	-	-	-	68.80	29.43	0.00	68.80
49.00	-	-	-	68.56	28.53	0.00	68.56
49.05	-	-	-	68.32	27.62	0.00	68.32
49.10	-	-	-	68.08	26.72	0.00	68.08
49.15	-	-	-	67.83	25.81	0.00	67.83
49.20	-	-	-	67.58	24.90	0.00	67.58
49.25	-	-	-	67.33	24.00	0.00	67.33
49.30	-	-	-	67.07	23.09	0.00	67.07
49.35	-	-	-	66.81	22.19	0.00	66.81
49.40	-	-	-	66.54	21.28	0.00	66.54
49.45	-	-	-	66.26	20.37	0.00	66.26
49.50	-	-	-	65.97	19.47	0.00	65.97
49.55	-	-	-	65.67	18.56	0.00	65.67
49.60	-	-	-	65.36	17.66	0.00	65.36
49.65	-	-	-	65.04	16.75	0.00	65.04
49.70	-	-	-	64.71	15.84	0.00	64.71
49.75	-	-	-	64.37	14.94	0.00	64.37
49.80	-	-	-	64.01	14.03	0.00	64.01
49.85	-	-	-	63.64	13.13	0.00	63.64
49.90	-	-	-	63.26	12.22	0.00	63.26
49.95	-	-	-	62.88	11.31	0.00	62.88
50.00	-	-	-	62.51	10.41	0.00	62.51
50.05	-	-	-	62.48	10.40	0.00	62.48
50.10	-	-	-	62.46	10.40	0.00	62.46
50.15	-	-	-	62.43	10.40	0.00	62.43
50.20	-	-	-	62.41	10.40	0.00	62.41
50.25	-	-	-	62.38	10.40	0.00	62.38
50.30	-	-	-	62.36	10.40	0.00	62.36
50.35	-	-	-	62.34	10.40	0.00	62.34
50.40	-	-	-	62.31	10.40	0.00	62.31
50.45	-	-	-	62.29	10.40	0.00	62.29
50.50	-	-	-	62.27	10.40	0.00	62.27
50.55	-	-	-	62.24	10.40	0.00	62.24
50.60	-	-	-	62.22	10.40	0.00	62.22
50.65	-	-	-	62.20	10.40	0.00	62.20
50.70	-	-	-	62.18	10.40	0.00	62.18
50.75	-	-	-	62.15	10.40	0.00	62.15
50.80	-	-	-	62.13	10.40	0.00	62.13
50.85	-	-	-	62.11	10.40	0.00	62.11
50.90	-	-	-	62.09	10.40	0.00	62.09
50.95	-	-	-	62.07	10.40	0.00	62.07
51.00	-	-	-	62.04	10.40	0.00	62.04
51.05	-	-	-	62.02	10.40	0.00	62.02
51.10	-	-	-	62.00	10.40	0.00	62.00
51.15	-	-	-	61.98	10.40	0.00	61.98
51.20	-	-	-	61.96	10.40	0.00	61.96
51.25	-	-	-	61.94	10.40	0.00	61.94
51.30	-	-	-	61.91	10.40	0.00	61.91
51.35	-	-	-	61.89	10.40	0.00	61.89
51.40	-	-	-	61.87	10.40	0.00	61.87
51.45	-	-	-	61.85	10.40	0.00	61.85
51.50	-	-	-	61.83	10.40	0.00	61.83
51.55	-	-	-	61.81	10.40	0.00	61.81
51.60	-	-	-	61.79	10.40	0.00	61.79
51.65	-	-	-	61.77	10.40	0.00	61.77
51.70	-	-	-	61.75	10.40	0.00	61.75
51.75	-	-	-	61.73	10.40	0.00	61.73
51.80	-	-	-	61.71	10.40	0.00	61.71
51.85	-	-	-	61.69	10.40	0.00	61.69
51.90	-	-	-	61.67	10.40	0.00	61.67
51.95	-	-	-	61.65	10.40	0.00	61.65

52.00	-	-	-	61.63	10.40	0.00	61.63
52.05	-	-	-	61.61	10.40	0.00	61.61
52.10	-	-	-	61.59	10.40	0.00	61.59
52.15	-	-	-	61.57	10.40	0.00	61.57
52.20	-	-	-	61.55	10.40	0.00	61.55
52.25	-	-	-	61.53	10.40	0.00	61.53
52.30	-	-	-	61.51	10.40	0.00	61.51
52.35	-	-	-	61.49	10.40	0.00	61.49
52.40	-	-	-	61.47	10.40	0.00	61.47
52.45	-	-	-	61.46	10.40	0.00	61.46
52.50	-	-	-	61.44	10.40	0.00	61.44
52.55	-	-	-	61.42	10.40	0.00	61.42
52.60	-	-	-	61.40	10.40	0.00	61.40
52.65	-	-	-	61.38	10.40	0.00	61.38
52.70	-	-	-	61.36	10.40	0.00	61.36
52.75	-	-	-	61.34	10.40	0.00	61.34
52.80	-	-	-	61.33	10.40	0.00	61.33
52.85	-	-	-	61.31	10.40	0.00	61.31
52.90	-	-	-	61.29	10.40	0.00	61.29
52.95	-	-	-	61.27	10.40	0.00	61.27
53.00	-	-	-	61.26	10.40	0.00	61.26
53.05	-	-	-	61.24	10.40	0.00	61.24
53.10	-	-	-	61.22	10.40	0.00	61.22
53.15	-	-	-	61.20	10.40	0.00	61.20
53.20	-	-	-	61.19	10.40	0.00	61.19
53.25	-	-	-	61.17	10.40	0.00	61.17
53.30	-	-	-	61.15	10.40	0.00	61.15
53.35	-	-	-	61.13	10.40	0.00	61.13
53.40	-	-	-	61.12	10.40	0.00	61.12
53.45	-	-	-	61.10	10.40	0.00	61.10
53.50	-	-	-	61.08	10.40	0.00	61.08
53.55	-	-	-	61.07	10.40	0.00	61.07
53.60	-	-	-	61.05	10.40	0.00	61.05
53.65	-	-	-	61.04	10.40	0.00	61.04
53.70	-	-	-	61.02	10.40	0.00	61.02
53.75	-	-	-	61.00	10.40	0.00	61.00
53.80	-	-	-	60.99	10.40	0.00	60.99
53.85	-	-	-	60.97	10.40	0.00	60.97
53.90	-	-	-	60.95	10.40	0.00	60.95
53.95	-	-	-	60.94	10.40	0.00	60.94
54.00	-	-	-	60.92	10.40	0.00	60.92
54.05	-	-	-	60.91	10.40	0.00	60.91
54.10	-	-	-	60.89	10.40	0.00	60.89
54.15	-	-	-	60.88	10.40	0.00	60.88
54.20	-	-	-	60.86	10.40	0.00	60.86
54.25	-	-	-	60.85	10.40	0.00	60.85
54.30	-	-	-	60.83	10.40	0.00	60.83
54.35	-	-	-	60.82	10.40	0.00	60.82
54.40	-	-	-	60.80	10.40	0.00	60.80
54.45	-	-	-	60.79	10.40	0.00	60.79
54.50	-	-	-	60.77	10.40	0.00	60.77
54.55	-	-	-	60.76	10.40	0.00	60.76
54.60	-	-	-	60.74	10.40	0.00	60.74
54.65	-	-	-	60.73	10.40	0.00	60.73
54.70	-	-	-	60.71	10.40	0.00	60.71
54.75	-	-	-	60.70	10.40	0.00	60.70
54.80	-	-	-	60.69	10.40	0.00	60.69
54.85	-	-	-	60.67	10.40	0.00	60.67
54.90	-	-	-	60.66	10.40	0.00	60.66
54.95	-	-	-	60.64	10.40	0.00	60.64
55.00	-	-	-	60.63	10.40	0.00	60.63
55.05	-	-	-	60.60	10.40	0.00	60.60
55.10	-	-	-	60.58	10.40	0.00	60.58
55.15	-	-	-	60.55	10.40	0.00	60.55
55.20	-	-	-	60.52	10.40	0.00	60.52
55.25	-	-	-	60.50	10.40	0.00	60.50
55.30	-	-	-	60.47	10.40	0.00	60.47
55.35	-	-	-	60.44	10.40	0.00	60.44
55.40	-	-	-	60.42	10.40	0.00	60.42
55.45	-	-	-	60.39	10.40	0.00	60.39
55.50	-	-	-	60.36	10.40	0.00	60.36
55.55	-	-	-	60.33	10.40	0.00	60.33
55.60	-	-	-	60.31	10.40	0.00	60.31

55.65	-	-	-	60.28	10.40	0.00	60.28
55.70	-	-	-	60.25	10.40	0.00	60.25
55.75	-	-	-	60.23	10.40	0.00	60.23
55.80	-	-	-	60.20	10.40	0.00	60.20
55.85	-	-	-	60.17	10.40	0.00	60.17
55.90	-	-	-	60.15	10.40	0.00	60.15
55.95	-	-	-	60.12	10.40	0.00	60.12
56.00	-	-	-	60.09	10.40	0.00	60.09
56.05	-	-	-	60.07	10.40	0.00	60.07
56.10	-	-	-	60.04	10.40	0.00	60.04
56.15	-	-	-	60.01	10.40	0.00	60.01
56.20	-	-	-	59.99	10.40	0.00	59.99
56.25	-	-	-	59.96	10.40	0.00	59.96
56.30	-	-	-	59.93	10.40	0.00	59.93
56.35	-	-	-	59.91	10.40	0.00	59.91
56.40	-	-	-	59.88	10.40	0.00	59.88
56.45	-	-	-	59.85	10.40	0.00	59.85
56.50	-	-	-	59.83	10.40	0.00	59.83
56.55	-	-	-	59.80	10.40	0.00	59.80
56.60	-	-	-	59.78	10.40	0.00	59.78
56.65	-	-	-	59.75	10.40	0.00	59.75
56.70	-	-	-	59.72	10.40	0.00	59.72
56.75	-	-	-	59.70	10.40	0.00	59.70
56.80	-	-	-	59.67	10.40	0.00	59.67
56.85	-	-	-	59.64	10.40	0.00	59.64
56.90	-	-	-	59.62	10.40	0.00	59.62
56.95	-	-	-	59.59	10.40	0.00	59.59
57.00	-	-	-	59.56	10.40	0.00	59.56
57.05	-	-	-	59.54	10.40	0.00	59.54
57.10	-	-	-	59.51	10.40	0.00	59.51
57.15	-	-	-	59.48	10.40	0.00	59.48
57.20	-	-	-	59.46	10.40	0.00	59.46
57.25	-	-	-	59.43	10.40	0.00	59.43
57.30	-	-	-	59.41	10.40	0.00	59.41
57.35	-	-	-	59.38	10.40	0.00	59.38
57.40	-	-	-	59.35	10.40	0.00	59.35
57.45	-	-	-	59.33	10.40	0.00	59.33
57.50	-	-	-	59.30	10.40	0.00	59.30
57.55	-	-	-	59.27	10.40	0.00	59.27
57.60	-	-	-	59.25	10.40	0.00	59.25
57.65	-	-	-	59.22	10.40	0.00	59.22
57.70	-	-	-	59.20	10.40	0.00	59.20
57.75	-	-	-	59.17	10.40	0.00	59.17
57.80	-	-	-	59.14	10.40	0.00	59.14
57.85	-	-	-	59.12	10.40	0.00	59.12
57.90	-	-	-	59.09	10.40	0.00	59.09
57.95	-	-	-	59.06	10.40	0.00	59.06
58.00	-	-	-	59.04	10.40	0.00	59.04
58.05	-	-	-	59.01	10.40	0.00	59.01
58.10	-	-	-	58.99	10.40	0.00	58.99
58.15	-	-	-	58.96	10.40	0.00	58.96
58.20	-	-	-	58.93	10.40	0.00	58.93
58.25	-	-	-	58.91	10.40	0.00	58.91
58.30	-	-	-	58.88	10.40	0.00	58.88
58.35	-	-	-	58.86	10.40	0.00	58.86
58.40	-	-	-	58.83	10.40	0.00	58.83
58.45	-	-	-	58.80	10.40	0.00	58.80
58.50	-	-	-	58.78	10.40	0.00	58.78
58.55	-	-	-	58.75	10.40	0.00	58.75
58.60	-	-	-	58.73	10.40	0.00	58.73
58.65	-	-	-	58.70	10.40	0.00	58.70
58.70	-	-	-	58.67	10.40	0.00	58.67
58.75	-	-	-	58.65	10.40	0.00	58.65
58.80	-	-	-	58.62	10.40	0.00	58.62
58.85	-	-	-	58.60	10.40	0.00	58.60
58.90	-	-	-	58.57	10.40	0.00	58.57
58.95	-	-	-	58.54	10.40	0.00	58.54
59.00	-	-	-	58.52	10.40	0.00	58.52
59.05	-	-	-	58.49	10.40	0.00	58.49
59.10	-	-	-	58.47	10.40	0.00	58.47
59.15	-	-	-	58.44	10.40	0.00	58.44
59.20	-	-	-	58.42	10.40	0.00	58.42
59.25	-	-	-	58.39	10.40	0.00	58.39

59.30	-	-	-	58.36	10.40	0.00	58.36
59.35	-	-	-	58.34	10.40	0.00	58.34
59.40	-	-	-	58.31	10.40	0.00	58.31
59.45	-	-	-	58.29	10.40	0.00	58.29
59.50	-	-	-	58.26	10.40	0.00	58.26
59.55	-	-	-	58.23	10.40	0.00	58.23
59.60	-	-	-	58.21	10.40	0.00	58.21
59.65	-	-	-	58.18	10.40	0.00	58.18
59.70	-	-	-	58.16	10.40	0.00	58.16
59.75	-	-	-	58.13	10.40	0.00	58.13
59.80	-	-	-	58.11	10.40	0.00	58.11
59.85	-	-	-	58.08	10.40	0.00	58.08
59.90	-	-	-	58.05	10.40	0.00	58.05
59.95	-	-	-	58.03	10.40	0.00	58.03
60.00	-	-	-	58.00	10.40	0.00	58.00
60.05	-	-	-	57.98	10.40	0.00	57.98
60.10	-	-	-	57.95	10.40	0.00	57.95
60.15	-	-	-	57.93	10.40	0.00	57.93
60.20	-	-	-	57.90	10.40	0.00	57.90
60.25	-	-	-	57.88	10.40	0.00	57.88
60.30	-	-	-	57.85	10.40	0.00	57.85
60.35	-	-	-	57.82	10.40	0.00	57.82
60.40	-	-	-	57.80	10.40	0.00	57.80
60.45	-	-	-	57.77	10.40	0.00	57.77
60.50	-	-	-	57.75	10.40	0.00	57.75
60.55	-	-	-	57.72	10.40	0.00	57.72
60.60	-	-	-	57.70	10.40	0.00	57.70
60.65	-	-	-	57.67	10.40	0.00	57.67
60.70	-	-	-	57.65	10.40	0.00	57.65
60.75	-	-	-	57.62	10.40	0.00	57.62
60.80	-	-	-	57.60	10.40	0.00	57.60
60.85	-	-	-	57.57	10.40	0.00	57.57
60.90	-	-	-	57.55	10.40	0.00	57.55
60.95	-	-	-	57.52	10.40	0.00	57.52
61.00	-	-	-	57.50	10.40	0.00	57.50
61.05	-	-	-	57.47	10.40	0.00	57.47
61.10	-	-	-	57.44	10.40	0.00	57.44
61.15	-	-	-	57.42	10.40	0.00	57.42
61.20	-	-	-	57.39	10.40	0.00	57.39
61.25	-	-	-	57.37	10.40	0.00	57.37
61.30	-	-	-	57.34	10.40	0.00	57.34
61.35	-	-	-	57.32	10.40	0.00	57.32
61.40	-	-	-	57.29	10.40	0.00	57.29
61.45	-	-	-	57.27	10.40	0.00	57.27
61.50	-	-	-	57.24	10.40	0.00	57.24
61.55	-	-	-	57.22	10.40	0.00	57.22
61.60	-	-	-	57.19	10.40	0.00	57.19
61.65	-	-	-	57.17	10.40	0.00	57.17
61.70	-	-	-	57.14	10.40	0.00	57.14
61.75	-	-	-	57.12	10.40	0.00	57.12
61.80	-	-	-	57.09	10.40	0.00	57.09
61.85	-	-	-	57.07	10.40	0.00	57.07
61.90	-	-	-	57.04	10.40	0.00	57.04
61.95	-	-	-	57.02	10.40	0.00	57.02
62.00	-	-	-	56.99	10.40	0.00	56.99
62.05	-	-	-	56.97	10.40	0.00	56.97
62.10	-	-	-	56.94	10.40	0.00	56.94
62.15	-	-	-	56.92	10.40	0.00	56.92
62.20	-	-	-	56.90	10.40	0.00	56.90
62.25	-	-	-	56.87	10.40	0.00	56.87
62.30	-	-	-	56.85	10.40	0.00	56.85
62.35	-	-	-	56.82	10.40	0.00	56.82
62.40	-	-	-	56.80	10.40	0.00	56.80
62.45	-	-	-	56.77	10.40	0.00	56.77
62.50	-	-	-	56.75	10.40	0.00	56.75
62.55	-	-	-	56.72	10.40	0.00	56.72
62.60	-	-	-	56.70	10.40	0.00	56.70
62.65	-	-	-	56.67	10.40	0.00	56.67
62.70	-	-	-	56.65	10.40	0.00	56.65
62.75	-	-	-	56.62	10.40	0.00	56.62
62.80	-	-	-	56.60	10.40	0.00	56.60
62.85	-	-	-	56.57	10.40	0.00	56.57
62.90	-	-	-	56.55	10.40	0.00	56.55

62.95	-	-	-	56.53	10.40	0.00	56.53
63.00	-	-	-	56.50	10.40	0.00	56.50
63.05	-	-	-	56.48	10.40	0.00	56.48
63.10	-	-	-	56.45	10.40	0.00	56.45
63.15	-	-	-	56.43	10.40	0.00	56.43
63.20	-	-	-	56.40	10.40	0.00	56.40
63.25	-	-	-	56.38	10.40	0.00	56.38
63.30	-	-	-	56.35	10.40	0.00	56.35
63.35	-	-	-	56.33	10.40	0.00	56.33
63.40	-	-	-	56.31	10.40	0.00	56.31
63.45	-	-	-	56.28	10.40	0.00	56.28
63.50	-	-	-	56.26	10.40	0.00	56.26
63.55	-	-	-	56.23	10.40	0.00	56.23
63.60	-	-	-	56.21	10.40	0.00	56.21
63.65	-	-	-	56.18	10.40	0.00	56.18
63.70	-	-	-	56.16	10.40	0.00	56.16
63.75	-	-	-	56.14	10.40	0.00	56.14
63.80	-	-	-	56.11	10.40	0.00	56.11
63.85	-	-	-	56.09	10.40	0.00	56.09
63.90	-	-	-	56.06	10.40	0.00	56.06
63.95	-	-	-	56.04	10.40	0.00	56.04
64.00	-	-	-	56.02	10.40	0.00	56.02
64.05	-	-	-	55.99	10.40	0.00	55.99
64.10	-	-	-	55.97	10.40	0.00	55.97
64.15	-	-	-	55.94	10.40	0.00	55.94
64.20	-	-	-	55.92	10.40	0.00	55.92
64.25	-	-	-	55.89	10.40	0.00	55.89
64.30	-	-	-	55.87	10.40	0.00	55.87
64.35	-	-	-	55.85	10.40	0.00	55.85
64.40	-	-	-	55.82	10.40	0.00	55.82
64.45	-	-	-	55.80	10.40	0.00	55.80
64.50	-	-	-	55.78	10.40	0.00	55.78
64.55	-	-	-	55.75	10.40	0.00	55.75
64.60	-	-	-	55.73	10.40	0.00	55.73
64.65	-	-	-	55.70	10.40	0.00	55.70
64.70	-	-	-	55.68	10.40	0.00	55.68
64.75	-	-	-	55.66	10.40	0.00	55.66
64.80	-	-	-	55.63	10.40	0.00	55.63
64.85	-	-	-	55.61	10.40	0.00	55.61
64.90	-	-	-	55.58	10.40	0.00	55.58
64.95	-	-	-	55.56	10.40	0.00	55.56
65.00	-	-	-	55.54	10.40	0.00	55.54

(N1)60s has been fines corrected in liquefaction analysis, therefore d(N1)60=0.
Fines=NoLiq means the soils are not liquefiable.

Settlement of Saturated Sands:
Settlement Analysis Method: Tokimatsu, M-correction

Depth ft	CSRsf	/ MSF*	=CSRm	F.S.	Fines %	(N1)60s	Dr %	ec %	dsz in.	dsp in.	S in.
64.95	0.48	1.32	0.37	1.25	10.40	55.56	100.00	0.000	0.0E0	0.000	0.000
64.90	0.48	1.32	0.37	1.25	10.40	55.58	100.00	0.000	0.0E0	0.000	0.000
64.85	0.48	1.32	0.37	1.25	10.40	55.61	100.00	0.000	0.0E0	0.000	0.000
64.80	0.48	1.32	0.37	1.25	10.40	55.63	100.00	0.000	0.0E0	0.000	0.000
64.75	0.48	1.32	0.37	1.25	10.40	55.66	100.00	0.000	0.0E0	0.000	0.000
64.70	0.48	1.32	0.37	1.25	10.40	55.68	100.00	0.000	0.0E0	0.000	0.000
64.65	0.48	1.32	0.37	1.25	10.40	55.70	100.00	0.000	0.0E0	0.000	0.000
64.60	0.48	1.32	0.37	1.25	10.40	55.73	100.00	0.000	0.0E0	0.000	0.000
64.55	0.48	1.32	0.37	1.25	10.40	55.75	100.00	0.000	0.0E0	0.000	0.000
64.50	0.48	1.32	0.37	1.25	10.40	55.78	100.00	0.000	0.0E0	0.000	0.000
64.45	0.48	1.32	0.37	1.25	10.40	55.80	100.00	0.000	0.0E0	0.000	0.000
64.40	0.48	1.32	0.37	1.25	10.40	55.82	100.00	0.000	0.0E0	0.000	0.000
64.35	0.48	1.32	0.37	1.25	10.40	55.85	100.00	0.000	0.0E0	0.000	0.000
64.30	0.48	1.32	0.37	1.25	10.40	55.87	100.00	0.000	0.0E0	0.000	0.000
64.25	0.49	1.32	0.37	1.25	10.40	55.89	100.00	0.000	0.0E0	0.000	0.000
64.20	0.49	1.32	0.37	1.25	10.40	55.92	100.00	0.000	0.0E0	0.000	0.000
64.15	0.49	1.32	0.37	1.25	10.40	55.94	100.00	0.000	0.0E0	0.000	0.000
64.10	0.49	1.32	0.37	1.25	10.40	55.97	100.00	0.000	0.0E0	0.000	0.000
64.05	0.49	1.32	0.37	1.25	10.40	55.99	100.00	0.000	0.0E0	0.000	0.000
64.00	0.49	1.32	0.37	1.24	10.40	56.02	100.00	0.000	0.0E0	0.000	0.000
63.95	0.49	1.32	0.37	1.24	10.40	56.04	100.00	0.000	0.0E0	0.000	0.000

63.90	0.49	1.32	0.37	1.24	10.40	56.06	100.00	0.000	0.0E0	0.000	0.000
63.85	0.49	1.32	0.37	1.24	10.40	56.09	100.00	0.000	0.0E0	0.000	0.000
63.80	0.49	1.32	0.37	1.24	10.40	56.11	100.00	0.000	0.0E0	0.000	0.000
63.75	0.49	1.32	0.37	1.24	10.40	56.14	100.00	0.000	0.0E0	0.000	0.000
63.70	0.49	1.32	0.37	1.24	10.40	56.16	100.00	0.000	0.0E0	0.000	0.000
63.65	0.49	1.32	0.37	1.24	10.40	56.18	100.00	0.000	0.0E0	0.000	0.000
63.60	0.49	1.32	0.37	1.24	10.40	56.21	100.00	0.000	0.0E0	0.000	0.000
63.55	0.49	1.32	0.37	1.24	10.40	56.23	100.00	0.000	0.0E0	0.000	0.000
63.50	0.49	1.32	0.37	1.24	10.40	56.26	100.00	0.000	0.0E0	0.000	0.000
63.45	0.49	1.32	0.37	1.24	10.40	56.28	100.00	0.000	0.0E0	0.000	0.000
63.40	0.49	1.32	0.37	1.24	10.40	56.31	100.00	0.000	0.0E0	0.000	0.000
63.35	0.49	1.32	0.37	1.24	10.40	56.33	100.00	0.000	0.0E0	0.000	0.000
63.30	0.49	1.32	0.37	1.24	10.40	56.35	100.00	0.000	0.0E0	0.000	0.000
63.25	0.49	1.32	0.37	1.24	10.40	56.38	100.00	0.000	0.0E0	0.000	0.000
63.20	0.49	1.32	0.37	1.24	10.40	56.40	100.00	0.000	0.0E0	0.000	0.000
63.15	0.49	1.32	0.37	1.24	10.40	56.43	100.00	0.000	0.0E0	0.000	0.000
63.10	0.49	1.32	0.37	1.24	10.40	56.45	100.00	0.000	0.0E0	0.000	0.000
63.05	0.49	1.32	0.37	1.24	10.40	56.48	100.00	0.000	0.0E0	0.000	0.000
63.00	0.49	1.32	0.37	1.23	10.40	56.50	100.00	0.000	0.0E0	0.000	0.000
62.95	0.49	1.32	0.37	1.23	10.40	56.53	100.00	0.000	0.0E0	0.000	0.000
62.90	0.49	1.32	0.37	1.23	10.40	56.55	100.00	0.000	0.0E0	0.000	0.000
62.85	0.49	1.32	0.37	1.23	10.40	56.57	100.00	0.000	0.0E0	0.000	0.000
62.80	0.49	1.32	0.37	1.23	10.40	56.60	100.00	0.000	0.0E0	0.000	0.000
62.75	0.49	1.32	0.37	1.23	10.40	56.62	100.00	0.000	0.0E0	0.000	0.000
62.70	0.49	1.32	0.37	1.23	10.40	56.65	100.00	0.000	0.0E0	0.000	0.000
62.65	0.49	1.32	0.37	1.23	10.40	56.67	100.00	0.000	0.0E0	0.000	0.000
62.60	0.49	1.32	0.37	1.23	10.40	56.70	100.00	0.000	0.0E0	0.000	0.000
62.55	0.49	1.32	0.37	1.23	10.40	56.72	100.00	0.000	0.0E0	0.000	0.000
62.50	0.49	1.32	0.37	1.23	10.40	56.75	100.00	0.000	0.0E0	0.000	0.000
62.45	0.49	1.32	0.37	1.23	10.40	56.77	100.00	0.000	0.0E0	0.000	0.000
62.40	0.49	1.32	0.37	1.23	10.40	56.80	100.00	0.000	0.0E0	0.000	0.000
62.35	0.49	1.32	0.37	1.23	10.40	56.82	100.00	0.000	0.0E0	0.000	0.000
62.30	0.49	1.32	0.38	1.23	10.40	56.85	100.00	0.000	0.0E0	0.000	0.000
62.25	0.50	1.32	0.38	1.23	10.40	56.87	100.00	0.000	0.0E0	0.000	0.000
62.20	0.50	1.32	0.38	1.23	10.40	56.90	100.00	0.000	0.0E0	0.000	0.000
62.15	0.50	1.32	0.38	1.23	10.40	56.92	100.00	0.000	0.0E0	0.000	0.000
62.10	0.50	1.32	0.38	1.23	10.40	56.94	100.00	0.000	0.0E0	0.000	0.000
62.05	0.50	1.32	0.38	1.23	10.40	56.97	100.00	0.000	0.0E0	0.000	0.000
62.00	0.50	1.32	0.38	1.22	10.40	56.99	100.00	0.000	0.0E0	0.000	0.000
61.95	0.50	1.32	0.38	1.22	10.40	57.02	100.00	0.000	0.0E0	0.000	0.000
61.90	0.50	1.32	0.38	1.22	10.40	57.04	100.00	0.000	0.0E0	0.000	0.000
61.85	0.50	1.32	0.38	1.22	10.40	57.07	100.00	0.000	0.0E0	0.000	0.000
61.80	0.50	1.32	0.38	1.22	10.40	57.09	100.00	0.000	0.0E0	0.000	0.000
61.75	0.50	1.32	0.38	1.22	10.40	57.12	100.00	0.000	0.0E0	0.000	0.000
61.70	0.50	1.32	0.38	1.22	10.40	57.14	100.00	0.000	0.0E0	0.000	0.000
61.65	0.50	1.32	0.38	1.22	10.40	57.17	100.00	0.000	0.0E0	0.000	0.000
61.60	0.50	1.32	0.38	1.22	10.40	57.19	100.00	0.000	0.0E0	0.000	0.000
61.55	0.50	1.32	0.38	1.22	10.40	57.22	100.00	0.000	0.0E0	0.000	0.000
61.50	0.50	1.32	0.38	1.22	10.40	57.24	100.00	0.000	0.0E0	0.000	0.000
61.45	0.50	1.32	0.38	1.22	10.40	57.27	100.00	0.000	0.0E0	0.000	0.000
61.40	0.50	1.32	0.38	1.22	10.40	57.29	100.00	0.000	0.0E0	0.000	0.000
61.35	0.50	1.32	0.38	1.22	10.40	57.32	100.00	0.000	0.0E0	0.000	0.000
61.30	0.50	1.32	0.38	1.22	10.40	57.34	100.00	0.000	0.0E0	0.000	0.000
61.25	0.50	1.32	0.38	1.22	10.40	57.37	100.00	0.000	0.0E0	0.000	0.000
61.20	0.50	1.32	0.38	1.22	10.40	57.39	100.00	0.000	0.0E0	0.000	0.000
61.15	0.50	1.32	0.38	1.22	10.40	57.42	100.00	0.000	0.0E0	0.000	0.000
61.10	0.50	1.32	0.38	1.22	10.40	57.44	100.00	0.000	0.0E0	0.000	0.000
61.05	0.50	1.32	0.38	1.22	10.40	57.47	100.00	0.000	0.0E0	0.000	0.000
61.00	0.50	1.32	0.38	1.22	10.40	57.50	100.00	0.000	0.0E0	0.000	0.000
60.95	0.50	1.32	0.38	1.21	10.40	57.52	100.00	0.000	0.0E0	0.000	0.000
60.90	0.50	1.32	0.38	1.21	10.40	57.55	100.00	0.000	0.0E0	0.000	0.000
60.85	0.50	1.32	0.38	1.21	10.40	57.57	100.00	0.000	0.0E0	0.000	0.000
60.80	0.50	1.32	0.38	1.21	10.40	57.60	100.00	0.000	0.0E0	0.000	0.000
60.75	0.50	1.32	0.38	1.21	10.40	57.62	100.00	0.000	0.0E0	0.000	0.000
60.70	0.50	1.32	0.38	1.21	10.40	57.65	100.00	0.000	0.0E0	0.000	0.000
60.65	0.50	1.32	0.38	1.21	10.40	57.67	100.00	0.000	0.0E0	0.000	0.000
60.60	0.50	1.32	0.38	1.21	10.40	57.70	100.00	0.000	0.0E0	0.000	0.000
60.55	0.50	1.32	0.38	1.21	10.40	57.72	100.00	0.000	0.0E0	0.000	0.000
60.50	0.50	1.32	0.38	1.21	10.40	57.75	100.00	0.000	0.0E0	0.000	0.000
60.45	0.50	1.32	0.38	1.21	10.40	57.77	100.00	0.000	0.0E0	0.000	0.000
60.40	0.50	1.32	0.38	1.21	10.40	57.80	100.00	0.000	0.0E0	0.000	0.000
60.35	0.50	1.32	0.38	1.21	10.40	57.82	100.00	0.000	0.0E0	0.000	0.000
60.30	0.50	1.32	0.38	1.21	10.40	57.85	100.00	0.000	0.0E0	0.000	0.000

60.25	0.50	1.32	0.38	1.21	10.40	57.88	100.00	0.000	0.0E0	0.000	0.000
60.20	0.50	1.32	0.38	1.21	10.40	57.90	100.00	0.000	0.0E0	0.000	0.000
60.15	0.51	1.32	0.38	1.21	10.40	57.93	100.00	0.000	0.0E0	0.000	0.000
60.10	0.51	1.32	0.38	1.21	10.40	57.95	100.00	0.000	0.0E0	0.000	0.000
60.05	0.51	1.32	0.38	1.21	10.40	57.98	100.00	0.000	0.0E0	0.000	0.000
60.00	0.51	1.32	0.38	1.21	10.40	58.00	100.00	0.000	0.0E0	0.000	0.000
59.95	0.51	1.32	0.38	1.21	10.40	58.03	100.00	0.000	0.0E0	0.000	0.000
59.90	0.51	1.32	0.38	1.21	10.40	58.05	100.00	0.000	0.0E0	0.000	0.000
59.85	0.51	1.32	0.38	1.20	10.40	58.08	100.00	0.000	0.0E0	0.000	0.000
59.80	0.51	1.32	0.38	1.20	10.40	58.11	100.00	0.000	0.0E0	0.000	0.000
59.75	0.51	1.32	0.38	1.20	10.40	58.13	100.00	0.000	0.0E0	0.000	0.000
59.70	0.51	1.32	0.38	1.20	10.40	58.16	100.00	0.000	0.0E0	0.000	0.000
59.65	0.51	1.32	0.38	1.20	10.40	58.18	100.00	0.000	0.0E0	0.000	0.000
59.60	0.51	1.32	0.39	1.20	10.40	58.21	100.00	0.000	0.0E0	0.000	0.000
59.55	0.51	1.32	0.39	1.20	10.40	58.23	100.00	0.000	0.0E0	0.000	0.000
59.50	0.51	1.32	0.39	1.20	10.40	58.26	100.00	0.000	0.0E0	0.000	0.000
59.45	0.51	1.32	0.39	1.20	10.40	58.29	100.00	0.000	0.0E0	0.000	0.000
59.40	0.51	1.32	0.39	1.20	10.40	58.31	100.00	0.000	0.0E0	0.000	0.000
59.35	0.51	1.32	0.39	1.20	10.40	58.34	100.00	0.000	0.0E0	0.000	0.000
59.30	0.51	1.32	0.39	1.20	10.40	58.36	100.00	0.000	0.0E0	0.000	0.000
59.25	0.51	1.32	0.39	1.20	10.40	58.39	100.00	0.000	0.0E0	0.000	0.000
59.20	0.51	1.32	0.39	1.20	10.40	58.42	100.00	0.000	0.0E0	0.000	0.000
59.15	0.51	1.32	0.39	1.20	10.40	58.44	100.00	0.000	0.0E0	0.000	0.000
59.10	0.51	1.32	0.39	1.20	10.40	58.47	100.00	0.000	0.0E0	0.000	0.000
59.05	0.51	1.32	0.39	1.20	10.40	58.49	100.00	0.000	0.0E0	0.000	0.000
59.00	0.51	1.32	0.39	1.20	10.40	58.52	100.00	0.000	0.0E0	0.000	0.000
58.95	0.51	1.32	0.39	1.20	10.40	58.54	100.00	0.000	0.0E0	0.000	0.000
58.90	0.51	1.32	0.39	1.20	10.40	58.57	100.00	0.000	0.0E0	0.000	0.000
58.85	0.51	1.32	0.39	1.20	10.40	58.60	100.00	0.000	0.0E0	0.000	0.000
58.80	0.51	1.32	0.39	1.20	10.40	58.62	100.00	0.000	0.0E0	0.000	0.000
58.75	0.51	1.32	0.39	1.19	10.40	58.65	100.00	0.000	0.0E0	0.000	0.000
58.70	0.51	1.32	0.39	1.19	10.40	58.67	100.00	0.000	0.0E0	0.000	0.000
58.65	0.51	1.32	0.39	1.19	10.40	58.70	100.00	0.000	0.0E0	0.000	0.000
58.60	0.51	1.32	0.39	1.19	10.40	58.73	100.00	0.000	0.0E0	0.000	0.000
58.55	0.51	1.32	0.39	1.19	10.40	58.75	100.00	0.000	0.0E0	0.000	0.000
58.50	0.51	1.32	0.39	1.19	10.40	58.78	100.00	0.000	0.0E0	0.000	0.000
58.45	0.51	1.32	0.39	1.19	10.40	58.80	100.00	0.000	0.0E0	0.000	0.000
58.40	0.51	1.32	0.39	1.19	10.40	58.83	100.00	0.000	0.0E0	0.000	0.000
58.35	0.51	1.32	0.39	1.19	10.40	58.86	100.00	0.000	0.0E0	0.000	0.000
58.30	0.51	1.32	0.39	1.19	10.40	58.88	100.00	0.000	0.0E0	0.000	0.000
58.25	0.51	1.32	0.39	1.19	10.40	58.91	100.00	0.000	0.0E0	0.000	0.000
58.20	0.51	1.32	0.39	1.19	10.40	58.93	100.00	0.000	0.0E0	0.000	0.000
58.15	0.51	1.32	0.39	1.19	10.40	58.96	100.00	0.000	0.0E0	0.000	0.000
58.10	0.51	1.32	0.39	1.19	10.40	58.99	100.00	0.000	0.0E0	0.000	0.000
58.05	0.52	1.32	0.39	1.19	10.40	59.01	100.00	0.000	0.0E0	0.000	0.000
58.00	0.52	1.32	0.39	1.19	10.40	59.04	100.00	0.000	0.0E0	0.000	0.000
57.95	0.52	1.32	0.39	1.19	10.40	59.06	100.00	0.000	0.0E0	0.000	0.000
57.90	0.52	1.32	0.39	1.19	10.40	59.09	100.00	0.000	0.0E0	0.000	0.000
57.85	0.52	1.32	0.39	1.19	10.40	59.12	100.00	0.000	0.0E0	0.000	0.000
57.80	0.52	1.32	0.39	1.19	10.40	59.14	100.00	0.000	0.0E0	0.000	0.000
57.75	0.52	1.32	0.39	1.19	10.40	59.17	100.00	0.000	0.0E0	0.000	0.000
57.70	0.52	1.32	0.39	1.19	10.40	59.20	100.00	0.000	0.0E0	0.000	0.000
57.65	0.52	1.32	0.39	1.19	10.40	59.22	100.00	0.000	0.0E0	0.000	0.000
57.60	0.52	1.32	0.39	1.19	10.40	59.25	100.00	0.000	0.0E0	0.000	0.000
57.55	0.52	1.32	0.39	1.18	10.40	59.27	100.00	0.000	0.0E0	0.000	0.000
57.50	0.52	1.32	0.39	1.18	10.40	59.30	100.00	0.000	0.0E0	0.000	0.000
57.45	0.52	1.32	0.39	1.18	10.40	59.33	100.00	0.000	0.0E0	0.000	0.000
57.40	0.52	1.32	0.39	1.18	10.40	59.35	100.00	0.000	0.0E0	0.000	0.000
57.35	0.52	1.32	0.39	1.18	10.40	59.38	100.00	0.000	0.0E0	0.000	0.000
57.30	0.52	1.32	0.39	1.18	10.40	59.41	100.00	0.000	0.0E0	0.000	0.000
57.25	0.52	1.32	0.39	1.18	10.40	59.43	100.00	0.000	0.0E0	0.000	0.000
57.20	0.52	1.32	0.39	1.18	10.40	59.46	100.00	0.000	0.0E0	0.000	0.000
57.15	0.52	1.32	0.39	1.18	10.40	59.48	100.00	0.000	0.0E0	0.000	0.000
57.10	0.52	1.32	0.39	1.18	10.40	59.51	100.00	0.000	0.0E0	0.000	0.000
57.05	0.52	1.32	0.39	1.18	10.40	59.54	100.00	0.000	0.0E0	0.000	0.000
57.00	0.52	1.32	0.39	1.18	10.40	59.56	100.00	0.000	0.0E0	0.000	0.000
56.95	0.52	1.32	0.39	1.18	10.40	59.59	100.00	0.000	0.0E0	0.000	0.000
56.90	0.52	1.32	0.39	1.18	10.40	59.62	100.00	0.000	0.0E0	0.000	0.000
56.85	0.52	1.32	0.39	1.18	10.40	59.64	100.00	0.000	0.0E0	0.000	0.000
56.80	0.52	1.32	0.39	1.18	10.40	59.67	100.00	0.000	0.0E0	0.000	0.000
56.75	0.52	1.32	0.40	1.18	10.40	59.70	100.00	0.000	0.0E0	0.000	0.000
56.70	0.52	1.32	0.40	1.18	10.40	59.72	100.00	0.000	0.0E0	0.000	0.000
56.65	0.52	1.32	0.40	1.18	10.40	59.75	100.00	0.000	0.0E0	0.000	0.000

56.60	0.52	1.32	0.40	1.18	10.40	59.78	100.00	0.000	0.0E0	0.000	0.000
56.55	0.52	1.32	0.40	1.18	10.40	59.80	100.00	0.000	0.0E0	0.000	0.000
56.50	0.52	1.32	0.40	1.18	10.40	59.83	100.00	0.000	0.0E0	0.000	0.000
56.45	0.52	1.32	0.40	1.18	10.40	59.85	100.00	0.000	0.0E0	0.000	0.000
56.40	0.52	1.32	0.40	1.18	10.40	59.88	100.00	0.000	0.0E0	0.000	0.000
56.35	0.52	1.32	0.40	1.17	10.40	59.91	100.00	0.000	0.0E0	0.000	0.000
56.30	0.52	1.32	0.40	1.17	10.40	59.93	100.00	0.000	0.0E0	0.000	0.000
56.25	0.52	1.32	0.40	1.17	10.40	59.96	100.00	0.000	0.0E0	0.000	0.000
56.20	0.52	1.32	0.40	1.17	10.40	59.99	100.00	0.000	0.0E0	0.000	0.000
56.15	0.52	1.32	0.40	1.17	10.40	60.01	100.00	0.000	0.0E0	0.000	0.000
56.10	0.52	1.32	0.40	1.17	10.40	60.04	100.00	0.000	0.0E0	0.000	0.000
56.05	0.52	1.32	0.40	1.17	10.40	60.07	100.00	0.000	0.0E0	0.000	0.000
56.00	0.52	1.32	0.40	1.17	10.40	60.09	100.00	0.000	0.0E0	0.000	0.000
55.95	0.52	1.32	0.40	1.17	10.40	60.12	100.00	0.000	0.0E0	0.000	0.000
55.90	0.53	1.32	0.40	1.17	10.40	60.15	100.00	0.000	0.0E0	0.000	0.000
55.85	0.53	1.32	0.40	1.17	10.40	60.17	100.00	0.000	0.0E0	0.000	0.000
55.80	0.53	1.32	0.40	1.17	10.40	60.20	100.00	0.000	0.0E0	0.000	0.000
55.75	0.53	1.32	0.40	1.17	10.40	60.23	100.00	0.000	0.0E0	0.000	0.000
55.70	0.53	1.32	0.40	1.17	10.40	60.25	100.00	0.000	0.0E0	0.000	0.000
55.65	0.53	1.32	0.40	1.17	10.40	60.28	100.00	0.000	0.0E0	0.000	0.000
55.60	0.53	1.32	0.40	1.17	10.40	60.31	100.00	0.000	0.0E0	0.000	0.000
55.55	0.53	1.32	0.40	1.17	10.40	60.33	100.00	0.000	0.0E0	0.000	0.000
55.50	0.53	1.32	0.40	1.17	10.40	60.36	100.00	0.000	0.0E0	0.000	0.000
55.45	0.53	1.32	0.40	1.17	10.40	60.39	100.00	0.000	0.0E0	0.000	0.000
55.40	0.53	1.32	0.40	1.17	10.40	60.42	100.00	0.000	0.0E0	0.000	0.000
55.35	0.53	1.32	0.40	1.17	10.40	60.44	100.00	0.000	0.0E0	0.000	0.000
55.30	0.53	1.32	0.40	1.17	10.40	60.47	100.00	0.000	0.0E0	0.000	0.000
55.25	0.53	1.32	0.40	1.17	10.40	60.50	100.00	0.000	0.0E0	0.000	0.000
55.20	0.53	1.32	0.40	1.17	10.40	60.52	100.00	0.000	0.0E0	0.000	0.000
55.15	0.53	1.32	0.40	1.17	10.40	60.55	100.00	0.000	0.0E0	0.000	0.000
55.10	0.53	1.32	0.40	1.17	10.40	60.58	100.00	0.000	0.0E0	0.000	0.000
55.05	0.53	1.32	0.40	1.16	10.40	60.60	100.00	0.000	0.0E0	0.000	0.000
55.00	0.53	1.32	0.40	1.16	10.40	60.63	100.00	0.000	0.0E0	0.000	0.000
54.95	0.53	1.32	0.40	1.16	10.40	60.64	100.00	0.000	0.0E0	0.000	0.000
54.90	0.53	1.32	0.40	1.16	10.40	60.66	100.00	0.000	0.0E0	0.000	0.000
54.85	0.53	1.32	0.40	1.16	10.40	60.67	100.00	0.000	0.0E0	0.000	0.000
54.80	0.53	1.32	0.40	1.16	10.40	60.69	100.00	0.000	0.0E0	0.000	0.000
54.75	0.53	1.32	0.40	1.16	10.40	60.70	100.00	0.000	0.0E0	0.000	0.000
54.70	0.53	1.32	0.40	1.16	10.40	60.71	100.00	0.000	0.0E0	0.000	0.000
54.65	0.53	1.32	0.40	1.16	10.40	60.73	100.00	0.000	0.0E0	0.000	0.000
54.60	0.53	1.32	0.40	1.16	10.40	60.74	100.00	0.000	0.0E0	0.000	0.000
54.55	0.53	1.32	0.40	1.16	10.40	60.76	100.00	0.000	0.0E0	0.000	0.000
54.50	0.53	1.32	0.40	1.16	10.40	60.77	100.00	0.000	0.0E0	0.000	0.000
54.45	0.53	1.32	0.40	1.16	10.40	60.79	100.00	0.000	0.0E0	0.000	0.000
54.40	0.53	1.32	0.40	1.16	10.40	60.80	100.00	0.000	0.0E0	0.000	0.000
54.35	0.53	1.32	0.40	1.16	10.40	60.82	100.00	0.000	0.0E0	0.000	0.000
54.30	0.53	1.32	0.40	1.16	10.40	60.83	100.00	0.000	0.0E0	0.000	0.000
54.25	0.53	1.32	0.40	1.16	10.40	60.85	100.00	0.000	0.0E0	0.000	0.000
54.20	0.53	1.32	0.40	1.16	10.40	60.86	100.00	0.000	0.0E0	0.000	0.000
54.15	0.53	1.32	0.40	1.16	10.40	60.88	100.00	0.000	0.0E0	0.000	0.000
54.10	0.53	1.32	0.40	1.16	10.40	60.89	100.00	0.000	0.0E0	0.000	0.000
54.05	0.53	1.32	0.40	1.16	10.40	60.91	100.00	0.000	0.0E0	0.000	0.000
54.00	0.53	1.32	0.40	1.16	10.40	60.92	100.00	0.000	0.0E0	0.000	0.000
53.95	0.53	1.32	0.40	1.16	10.40	60.94	100.00	0.000	0.0E0	0.000	0.000
53.90	0.53	1.32	0.41	1.16	10.40	60.95	100.00	0.000	0.0E0	0.000	0.000
53.85	0.53	1.32	0.41	1.16	10.40	60.97	100.00	0.000	0.0E0	0.000	0.000
53.80	0.53	1.32	0.41	1.16	10.40	60.99	100.00	0.000	0.0E0	0.000	0.000
53.75	0.54	1.32	0.41	1.15	10.40	61.00	100.00	0.000	0.0E0	0.000	0.000
53.70	0.54	1.32	0.41	1.15	10.40	61.02	100.00	0.000	0.0E0	0.000	0.000
53.65	0.54	1.32	0.41	1.15	10.40	61.04	100.00	0.000	0.0E0	0.000	0.000
53.60	0.54	1.32	0.41	1.15	10.40	61.05	100.00	0.000	0.0E0	0.000	0.000
53.55	0.54	1.32	0.41	1.15	10.40	61.07	100.00	0.000	0.0E0	0.000	0.000
53.50	0.54	1.32	0.41	1.15	10.40	61.08	100.00	0.000	0.0E0	0.000	0.000
53.45	0.54	1.32	0.41	1.15	10.40	61.10	100.00	0.000	0.0E0	0.000	0.000
53.40	0.54	1.32	0.41	1.15	10.40	61.12	100.00	0.000	0.0E0	0.000	0.000
53.35	0.54	1.32	0.41	1.15	10.40	61.13	100.00	0.000	0.0E0	0.000	0.000
53.30	0.54	1.32	0.41	1.15	10.40	61.15	100.00	0.000	0.0E0	0.000	0.000
53.25	0.54	1.32	0.41	1.15	10.40	61.17	100.00	0.000	0.0E0	0.000	0.000
53.20	0.54	1.32	0.41	1.15	10.40	61.19	100.00	0.000	0.0E0	0.000	0.000
53.15	0.54	1.32	0.41	1.15	10.40	61.20	100.00	0.000	0.0E0	0.000	0.000
53.10	0.54	1.32	0.41	1.15	10.40	61.22	100.00	0.000	0.0E0	0.000	0.000
53.05	0.54	1.32	0.41	1.15	10.40	61.24	100.00	0.000	0.0E0	0.000	0.000
53.00	0.54	1.32	0.41	1.15	10.40	61.26	100.00	0.000	0.0E0	0.000	0.000

52.95	0.54	1.32	0.41	1.15	10.40	61.27	100.00	0.000	0.0E0	0.000	0.000
52.90	0.54	1.32	0.41	1.15	10.40	61.29	100.00	0.000	0.0E0	0.000	0.000
52.85	0.54	1.32	0.41	1.15	10.40	61.31	100.00	0.000	0.0E0	0.000	0.000
52.80	0.54	1.32	0.41	1.15	10.40	61.33	100.00	0.000	0.0E0	0.000	0.000
52.75	0.54	1.32	0.41	1.15	10.40	61.34	100.00	0.000	0.0E0	0.000	0.000
52.70	0.54	1.32	0.41	1.15	10.40	61.36	100.00	0.000	0.0E0	0.000	0.000
52.65	0.54	1.32	0.41	1.15	10.40	61.38	100.00	0.000	0.0E0	0.000	0.000
52.60	0.54	1.32	0.41	1.15	10.40	61.40	100.00	0.000	0.0E0	0.000	0.000
52.55	0.54	1.32	0.41	1.14	10.40	61.42	100.00	0.000	0.0E0	0.000	0.000
52.50	0.54	1.32	0.41	1.14	10.40	61.44	100.00	0.000	0.0E0	0.000	0.000
52.45	0.54	1.32	0.41	1.14	10.40	61.46	100.00	0.000	0.0E0	0.000	0.000
52.40	0.54	1.32	0.41	1.14	10.40	61.47	100.00	0.000	0.0E0	0.000	0.000
52.35	0.54	1.32	0.41	1.14	10.40	61.49	100.00	0.000	0.0E0	0.000	0.000
52.30	0.54	1.32	0.41	1.14	10.40	61.51	100.00	0.000	0.0E0	0.000	0.000
52.25	0.54	1.32	0.41	1.14	10.40	61.53	100.00	0.000	0.0E0	0.000	0.000
52.20	0.54	1.32	0.41	1.14	10.40	61.55	100.00	0.000	0.0E0	0.000	0.000
52.15	0.54	1.32	0.41	1.14	10.40	61.57	100.00	0.000	0.0E0	0.000	0.000
52.10	0.54	1.32	0.41	1.14	10.40	61.59	100.00	0.000	0.0E0	0.000	0.000
52.05	0.54	1.32	0.41	1.14	10.40	61.61	100.00	0.000	0.0E0	0.000	0.000
52.00	0.54	1.32	0.41	1.14	10.40	61.63	100.00	0.000	0.0E0	0.000	0.000
51.95	0.54	1.32	0.41	1.14	10.40	61.65	100.00	0.000	0.0E0	0.000	0.000
51.90	0.54	1.32	0.41	1.14	10.40	61.67	100.00	0.000	0.0E0	0.000	0.000
51.85	0.55	1.32	0.41	1.14	10.40	61.69	100.00	0.000	0.0E0	0.000	0.000
51.80	0.55	1.32	0.41	1.14	10.40	61.71	100.00	0.000	0.0E0	0.000	0.000
51.75	0.55	1.32	0.41	1.14	10.40	61.73	100.00	0.000	0.0E0	0.000	0.000
51.70	0.55	1.32	0.41	1.14	10.40	61.75	100.00	0.000	0.0E0	0.000	0.000
51.65	0.55	1.32	0.41	1.14	10.40	61.77	100.00	0.000	0.0E0	0.000	0.000
51.60	0.55	1.32	0.41	1.14	10.40	61.79	100.00	0.000	0.0E0	0.000	0.000
51.55	0.55	1.32	0.41	1.14	10.40	61.81	100.00	0.000	0.0E0	0.000	0.000
51.50	0.55	1.32	0.41	1.14	10.40	61.83	100.00	0.000	0.0E0	0.000	0.000
51.45	0.55	1.32	0.41	1.14	10.40	61.85	100.00	0.000	0.0E0	0.000	0.000
51.40	0.55	1.32	0.42	1.13	10.40	61.87	100.00	0.000	0.0E0	0.000	0.000
51.35	0.55	1.32	0.42	1.13	10.40	61.89	100.00	0.000	0.0E0	0.000	0.000
51.30	0.55	1.32	0.42	1.13	10.40	61.91	100.00	0.000	0.0E0	0.000	0.000
51.25	0.55	1.32	0.42	1.13	10.40	61.94	100.00	0.000	0.0E0	0.000	0.000
51.20	0.55	1.32	0.42	1.13	10.40	61.96	100.00	0.000	0.0E0	0.000	0.000
51.15	0.55	1.32	0.42	1.13	10.40	61.98	100.00	0.000	0.0E0	0.000	0.000
51.10	0.55	1.32	0.42	1.13	10.40	62.00	100.00	0.000	0.0E0	0.000	0.000
51.05	0.55	1.32	0.42	1.13	10.40	62.02	100.00	0.000	0.0E0	0.000	0.000
51.00	0.55	1.32	0.42	1.13	10.40	62.04	100.00	0.000	0.0E0	0.000	0.000
50.95	0.55	1.32	0.42	1.13	10.40	62.07	100.00	0.000	0.0E0	0.000	0.000
50.90	0.55	1.32	0.42	1.13	10.40	62.09	100.00	0.000	0.0E0	0.000	0.000
50.85	0.55	1.32	0.42	1.13	10.40	62.11	100.00	0.000	0.0E0	0.000	0.000
50.80	0.55	1.32	0.42	1.13	10.40	62.13	100.00	0.000	0.0E0	0.000	0.000
50.75	0.55	1.32	0.42	1.13	10.40	62.15	100.00	0.000	0.0E0	0.000	0.000
50.70	0.55	1.32	0.42	1.13	10.40	62.18	100.00	0.000	0.0E0	0.000	0.000
50.65	0.55	1.32	0.42	1.13	10.40	62.20	100.00	0.000	0.0E0	0.000	0.000
50.60	0.55	1.32	0.42	1.13	10.40	62.22	100.00	0.000	0.0E0	0.000	0.000
50.55	0.55	1.32	0.42	1.13	10.40	62.24	100.00	0.000	0.0E0	0.000	0.000
50.50	0.55	1.32	0.42	1.13	10.40	62.27	100.00	0.000	0.0E0	0.000	0.000
50.45	0.55	1.32	0.42	1.13	10.40	62.29	100.00	0.000	0.0E0	0.000	0.000
50.40	0.55	1.32	0.42	1.13	10.40	62.31	100.00	0.000	0.0E0	0.000	0.000
50.35	0.55	1.32	0.42	1.13	10.40	62.34	100.00	0.000	0.0E0	0.000	0.000
50.30	0.55	1.32	0.42	1.13	10.40	62.36	100.00	0.000	0.0E0	0.000	0.000
50.25	0.55	1.32	0.42	1.12	10.40	62.38	100.00	0.000	0.0E0	0.000	0.000
50.20	0.55	1.32	0.42	1.12	10.40	62.41	100.00	0.000	0.0E0	0.000	0.000
50.15	0.56	1.32	0.42	1.12	10.40	62.43	100.00	0.000	0.0E0	0.000	0.000
50.10	0.56	1.32	0.42	1.12	10.40	62.46	100.00	0.000	0.0E0	0.000	0.000
50.05	0.56	1.32	0.42	1.12	10.40	62.48	100.00	0.000	0.0E0	0.000	0.000
50.00	0.56	1.32	0.42	1.12	10.41	62.51	100.00	0.000	0.0E0	0.000	0.000
49.95	0.56	1.32	0.42	1.12	11.31	62.88	100.00	0.000	0.0E0	0.000	0.000
49.90	0.56	1.32	0.42	1.12	12.22	63.26	100.00	0.000	0.0E0	0.000	0.000
49.85	0.56	1.32	0.42	1.12	13.13	63.64	100.00	0.000	0.0E0	0.000	0.000
49.80	0.56	1.32	0.42	1.12	14.03	64.01	100.00	0.000	0.0E0	0.000	0.000
49.75	0.56	1.32	0.42	1.12	14.94	64.37	100.00	0.000	0.0E0	0.000	0.000
49.70	0.56	1.32	0.42	1.12	15.84	64.71	100.00	0.000	0.0E0	0.000	0.000
49.65	0.56	1.32	0.42	1.12	16.75	65.04	100.00	0.000	0.0E0	0.000	0.000
49.60	0.56	1.32	0.42	1.12	17.66	65.36	100.00	0.000	0.0E0	0.000	0.000
49.55	0.56	1.32	0.42	1.12	18.56	65.67	100.00	0.000	0.0E0	0.000	0.000
49.50	0.56	1.32	0.42	1.12	19.47	65.97	100.00	0.000	0.0E0	0.000	0.000
49.45	0.56	1.32	0.42	1.12	20.37	66.26	100.00	0.000	0.0E0	0.000	0.000
49.40	0.56	1.32	0.42	1.12	21.28	66.54	100.00	0.000	0.0E0	0.000	0.000
49.35	0.56	1.32	0.42	1.12	22.19	66.81	100.00	0.000	0.0E0	0.000	0.000

49.30	0.56	1.32	0.43	1.12	23.09	67.07	100.00	0.000	0.0E0	0.000	0.000
49.25	0.56	1.32	0.43	1.12	24.00	67.33	100.00	0.000	0.0E0	0.000	0.000
49.20	0.56	1.32	0.43	1.11	24.90	67.58	100.00	0.000	0.0E0	0.000	0.000
49.15	0.56	1.32	0.43	1.11	25.81	67.83	100.00	0.000	0.0E0	0.000	0.000
49.10	0.56	1.32	0.43	1.11	26.72	68.08	100.00	0.000	0.0E0	0.000	0.000
49.05	0.56	1.32	0.43	1.11	27.62	68.32	100.00	0.000	0.0E0	0.000	0.000
49.00	0.56	1.32	0.43	1.11	28.53	68.56	100.00	0.000	0.0E0	0.000	0.000
48.95	0.56	1.32	0.43	1.11	29.43	68.80	100.00	0.000	0.0E0	0.000	0.000
48.90	0.56	1.32	0.43	1.11	30.34	69.04	100.00	0.000	0.0E0	0.000	0.000
48.85	0.56	1.32	0.43	1.11	31.25	69.27	100.00	0.000	0.0E0	0.000	0.000
48.80	0.56	1.32	0.43	1.11	32.15	69.51	100.00	0.000	0.0E0	0.000	0.000
48.75	0.56	1.32	0.43	1.11	33.06	69.74	100.00	0.000	0.0E0	0.000	0.000
48.70	0.56	1.32	0.43	1.11	33.96	69.97	100.00	0.000	0.0E0	0.000	0.000
48.65	0.57	1.32	0.43	1.11	34.87	70.20	100.00	0.000	0.0E0	0.000	0.000
48.60	0.57	1.32	0.43	1.11	35.78	70.20	100.00	0.000	0.0E0	0.000	0.000
48.55	0.57	1.32	0.43	1.11	36.68	69.95	100.00	0.000	0.0E0	0.000	0.000
48.50	0.57	1.32	0.43	1.11	37.59	69.70	100.00	0.000	0.0E0	0.000	0.000
48.45	0.57	1.32	0.43	1.11	38.49	69.46	100.00	0.000	0.0E0	0.000	0.000
48.40	0.57	1.32	0.43	1.11	39.40	69.21	100.00	0.000	0.0E0	0.000	0.000
48.35	0.57	1.32	0.43	1.11	40.31	68.96	100.00	0.000	0.0E0	0.000	0.000
48.30	0.57	1.32	0.43	1.11	41.21	68.71	100.00	0.000	0.0E0	0.000	0.000
48.25	0.57	1.32	0.43	1.11	42.12	68.46	100.00	0.000	0.0E0	0.000	0.000
48.20	0.57	1.32	0.43	1.11	43.02	68.21	100.00	0.000	0.0E0	0.000	0.000
48.15	0.57	1.32	0.43	1.10	43.93	67.96	100.00	0.000	0.0E0	0.000	0.000
48.10	0.57	1.32	0.43	1.10	44.84	67.71	100.00	0.000	0.0E0	0.000	0.000
48.05	0.57	1.32	0.43	1.10	45.74	67.46	100.00	0.000	0.0E0	0.000	0.000
48.00	0.57	1.32	0.43	1.10	46.65	67.20	100.00	0.000	0.0E0	0.000	0.000
47.95	0.57	1.32	0.43	1.10	47.55	66.95	100.00	0.000	0.0E0	0.000	0.000
47.90	0.57	1.32	0.43	1.10	48.46	66.70	100.00	0.000	0.0E0	0.000	0.000
47.85	0.57	1.32	0.43	1.10	49.37	66.45	100.00	0.000	0.0E0	0.000	0.000
47.80	0.57	1.32	0.43	1.10	50.27	66.20	100.00	0.000	0.0E0	0.000	0.000
47.75	0.57	1.32	0.43	1.10	51.18	65.95	100.00	0.000	0.0E0	0.000	0.000
47.70	0.57	1.32	0.43	1.10	52.08	65.70	100.00	0.000	0.0E0	0.000	0.000
47.65	0.57	1.32	0.43	1.10	52.99	65.44	100.00	0.000	0.0E0	0.000	0.000
47.60	0.57	1.32	0.43	1.10	53.90	65.19	100.00	0.000	0.0E0	0.000	0.000
47.55	0.57	1.32	0.43	1.10	54.80	64.94	100.00	0.000	0.0E0	0.000	0.000
47.50	0.57	1.32	0.43	1.10	55.71	64.69	100.00	0.000	0.0E0	0.000	0.000
47.45	0.57	1.32	0.43	1.10	56.61	64.43	100.00	0.000	0.0E0	0.000	0.000
47.40	0.57	1.32	0.43	1.10	57.52	64.18	100.00	0.000	0.0E0	0.000	0.000
47.35	0.57	1.32	0.44	1.10	58.43	63.93	100.00	0.000	0.0E0	0.000	0.000
47.30	0.57	1.32	0.44	1.10	59.33	63.67	100.00	0.000	0.0E0	0.000	0.000
47.25	0.57	1.32	0.44	1.10	60.24	63.42	100.00	0.000	0.0E0	0.000	0.000
47.20	0.57	1.32	0.44	1.10	61.14	63.17	100.00	0.000	0.0E0	0.000	0.000
47.15	0.58	1.32	0.44	1.10	62.05	62.91	100.00	0.000	0.0E0	0.000	0.000
47.10	0.58	1.32	0.44	1.10	62.96	62.66	100.00	0.000	0.0E0	0.000	0.000
47.05	0.58	1.32	0.44	1.09	63.86	62.41	100.00	0.000	0.0E0	0.000	0.000
47.00	0.58	1.32	0.44	1.09	64.77	62.15	100.00	0.000	0.0E0	0.000	0.000
46.95	0.58	1.32	0.44	1.09	65.67	61.90	100.00	0.000	0.0E0	0.000	0.000
46.90	0.58	1.32	0.44	1.09	66.58	61.64	100.00	0.000	0.0E0	0.000	0.000
46.85	0.58	1.32	0.44	1.09	67.49	61.39	100.00	0.000	0.0E0	0.000	0.000
46.80	0.58	1.32	0.44	1.09	68.39	61.13	100.00	0.000	0.0E0	0.000	0.000
46.75	0.58	1.32	0.44	1.09	69.30	60.88	100.00	0.000	0.0E0	0.000	0.000
46.70	0.58	1.32	0.44	1.09	70.20	60.62	100.00	0.000	0.0E0	0.000	0.000
46.65	0.58	1.32	0.44	1.09	71.11	60.36	100.00	0.000	0.0E0	0.000	0.000
46.60	0.58	1.32	0.44	1.09	72.02	60.11	100.00	0.000	0.0E0	0.000	0.000
46.55	0.58	1.32	0.44	1.09	72.92	59.85	100.00	0.000	0.0E0	0.000	0.000
46.50	0.58	1.32	0.44	1.09	73.83	59.60	100.00	0.000	0.0E0	0.000	0.000
46.45	0.58	1.32	0.44	1.09	74.73	59.34	100.00	0.000	0.0E0	0.000	0.000
46.40	0.58	1.32	0.44	1.09	75.64	59.08	100.00	0.000	0.0E0	0.000	0.000
46.35	0.58	1.32	0.44	1.09	76.55	58.82	100.00	0.000	0.0E0	0.000	0.000
46.30	0.58	1.32	0.44	1.09	77.45	58.57	100.00	0.000	0.0E0	0.000	0.000
46.25	0.58	1.32	0.44	1.09	78.36	58.31	100.00	0.000	0.0E0	0.000	0.000
46.20	0.58	1.32	0.44	1.09	79.26	58.05	100.00	0.000	0.0E0	0.000	0.000
46.15	0.58	1.32	0.44	1.09	80.17	57.79	100.00	0.000	0.0E0	0.000	0.000
46.10	0.58	1.32	0.44	1.09	81.08	57.54	100.00	0.000	0.0E0	0.000	0.000
46.05	0.58	1.32	0.44	1.09	81.98	57.28	100.00	0.000	0.0E0	0.000	0.000
46.00	0.58	1.32	0.44	1.08	82.89	57.02	100.00	0.000	0.0E0	0.000	0.000
45.95	0.58	1.32	0.44	1.08	83.79	56.76	100.00	0.000	0.0E0	0.000	0.000
45.90	0.58	1.32	0.44	1.08	84.70	56.50	100.00	0.000	0.0E0	0.000	0.000
45.85	0.58	1.32	0.44	1.08	85.61	56.24	100.00	0.000	0.0E0	0.000	0.000
45.80	0.58	1.32	0.44	1.08	86.51	55.98	100.00	0.000	0.0E0	0.000	0.000
45.75	0.59	1.32	0.44	1.08	87.42	55.72	100.00	0.000	0.0E0	0.000	0.000
45.70	0.59	1.32	0.44	1.08	88.32	55.47	100.00	0.000	0.0E0	0.000	0.000

45.65	0.59	1.32	0.44	1.08	89.23	55.21	100.00	0.000	0.0E0	0.000	0.000
45.60	0.59	1.32	0.44	1.08	90.14	54.95	100.00	0.000	0.0E0	0.000	0.000
45.55	0.59	1.32	0.44	1.08	91.04	54.69	100.00	0.000	0.0E0	0.000	0.000
45.50	0.59	1.32	0.44	1.08	91.95	54.42	100.00	0.000	0.0E0	0.000	0.000
45.45	0.59	1.32	0.45	1.08	92.85	54.16	100.00	0.000	0.0E0	0.000	0.000
45.40	0.59	1.32	0.45	1.08	93.76	53.90	100.00	0.000	0.0E0	0.000	0.000
45.35	0.59	1.32	0.45	1.08	94.67	53.64	100.00	0.000	0.0E0	0.000	0.000
45.30	0.59	1.32	0.45	1.08	95.57	53.38	100.00	0.000	0.0E0	0.000	0.000
45.25	0.59	1.32	0.45	1.08	96.48	53.12	100.00	0.000	0.0E0	0.000	0.000
45.20	0.59	1.32	0.45	1.08	97.38	52.86	100.00	0.000	0.0E0	0.000	0.000
45.15	0.59	1.32	0.45	1.08	98.29	52.60	100.00	0.000	0.0E0	0.000	0.000
45.10	0.59	1.32	0.45	1.08	99.20	52.33	100.00	0.000	0.0E0	0.000	0.000
45.05	0.59	1.32	0.45	1.08	NoLiq	52.07	100.00	0.000	0.0E0	0.000	0.000
45.00	0.59	1.32	0.45	5.00	NoLiq	51.81	100.00	0.000	0.0E0	0.000	0.000
44.95	0.59	1.32	0.45	5.00	NoLiq	51.83	100.00	0.000	0.0E0	0.000	0.000
44.90	0.59	1.32	0.45	5.00	NoLiq	51.85	100.00	0.000	0.0E0	0.000	0.000
44.85	0.59	1.32	0.45	5.00	NoLiq	51.87	100.00	0.000	0.0E0	0.000	0.000
44.80	0.59	1.32	0.45	5.00	NoLiq	51.90	100.00	0.000	0.0E0	0.000	0.000
44.75	0.59	1.32	0.45	5.00	NoLiq	51.92	100.00	0.000	0.0E0	0.000	0.000
44.70	0.59	1.32	0.45	5.00	NoLiq	51.94	100.00	0.000	0.0E0	0.000	0.000
44.65	0.59	1.32	0.45	5.00	NoLiq	51.96	100.00	0.000	0.0E0	0.000	0.000
44.60	0.59	1.32	0.45	5.00	NoLiq	51.98	100.00	0.000	0.0E0	0.000	0.000
44.55	0.59	1.32	0.45	5.00	NoLiq	52.00	100.00	0.000	0.0E0	0.000	0.000
44.50	0.59	1.32	0.45	5.00	NoLiq	52.02	100.00	0.000	0.0E0	0.000	0.000
44.45	0.59	1.32	0.45	5.00	NoLiq	52.05	100.00	0.000	0.0E0	0.000	0.000
44.40	0.59	1.32	0.45	5.00	NoLiq	52.07	100.00	0.000	0.0E0	0.000	0.000
44.35	0.60	1.32	0.45	5.00	NoLiq	52.09	100.00	0.000	0.0E0	0.000	0.000
44.30	0.60	1.32	0.45	5.00	NoLiq	52.11	100.00	0.000	0.0E0	0.000	0.000
44.25	0.60	1.32	0.45	5.00	NoLiq	52.13	100.00	0.000	0.0E0	0.000	0.000
44.20	0.60	1.32	0.45	5.00	NoLiq	52.15	100.00	0.000	0.0E0	0.000	0.000
44.15	0.60	1.32	0.45	5.00	NoLiq	52.17	100.00	0.000	0.0E0	0.000	0.000
44.10	0.60	1.32	0.45	5.00	NoLiq	52.19	100.00	0.000	0.0E0	0.000	0.000
44.05	0.60	1.32	0.45	5.00	NoLiq	52.22	100.00	0.000	0.0E0	0.000	0.000
44.00	0.60	1.32	0.45	5.00	NoLiq	52.24	100.00	0.000	0.0E0	0.000	0.000
43.95	0.60	1.32	0.45	5.00	NoLiq	52.26	100.00	0.000	0.0E0	0.000	0.000
43.90	0.60	1.32	0.45	5.00	NoLiq	52.28	100.00	0.000	0.0E0	0.000	0.000
43.85	0.60	1.32	0.45	5.00	NoLiq	52.30	100.00	0.000	0.0E0	0.000	0.000
43.80	0.60	1.32	0.45	5.00	NoLiq	52.32	100.00	0.000	0.0E0	0.000	0.000
43.75	0.60	1.32	0.45	5.00	NoLiq	52.34	100.00	0.000	0.0E0	0.000	0.000
43.70	0.60	1.32	0.45	5.00	NoLiq	52.36	100.00	0.000	0.0E0	0.000	0.000
43.65	0.60	1.32	0.45	5.00	NoLiq	52.39	100.00	0.000	0.0E0	0.000	0.000
43.60	0.60	1.32	0.46	5.00	NoLiq	52.41	100.00	0.000	0.0E0	0.000	0.000
43.55	0.60	1.32	0.46	5.00	NoLiq	52.43	100.00	0.000	0.0E0	0.000	0.000
43.50	0.60	1.32	0.46	5.00	NoLiq	52.45	100.00	0.000	0.0E0	0.000	0.000
43.45	0.60	1.32	0.46	5.00	NoLiq	52.47	100.00	0.000	0.0E0	0.000	0.000
43.40	0.60	1.32	0.46	5.00	NoLiq	52.49	100.00	0.000	0.0E0	0.000	0.000
43.35	0.60	1.32	0.46	5.00	NoLiq	52.51	100.00	0.000	0.0E0	0.000	0.000
43.30	0.60	1.32	0.46	5.00	NoLiq	52.53	100.00	0.000	0.0E0	0.000	0.000
43.25	0.60	1.32	0.46	5.00	NoLiq	52.55	100.00	0.000	0.0E0	0.000	0.000
43.20	0.60	1.32	0.46	5.00	NoLiq	52.58	100.00	0.000	0.0E0	0.000	0.000
43.15	0.60	1.32	0.46	5.00	NoLiq	52.60	100.00	0.000	0.0E0	0.000	0.000
43.10	0.60	1.32	0.46	5.00	NoLiq	52.62	100.00	0.000	0.0E0	0.000	0.000
43.05	0.60	1.32	0.46	5.00	NoLiq	52.64	100.00	0.000	0.0E0	0.000	0.000
43.00	0.60	1.32	0.46	5.00	NoLiq	52.66	100.00	0.000	0.0E0	0.000	0.000
42.95	0.60	1.32	0.46	5.00	NoLiq	52.68	100.00	0.000	0.0E0	0.000	0.000
42.90	0.61	1.32	0.46	5.00	NoLiq	52.70	100.00	0.000	0.0E0	0.000	0.000
42.85	0.61	1.32	0.46	5.00	NoLiq	52.72	100.00	0.000	0.0E0	0.000	0.000
42.80	0.61	1.32	0.46	5.00	NoLiq	52.74	100.00	0.000	0.0E0	0.000	0.000
42.75	0.61	1.32	0.46	5.00	NoLiq	52.76	100.00	0.000	0.0E0	0.000	0.000
42.70	0.61	1.32	0.46	5.00	NoLiq	52.79	100.00	0.000	0.0E0	0.000	0.000
42.65	0.61	1.32	0.46	5.00	NoLiq	52.81	100.00	0.000	0.0E0	0.000	0.000
42.60	0.61	1.32	0.46	5.00	NoLiq	52.83	100.00	0.000	0.0E0	0.000	0.000
42.55	0.61	1.32	0.46	5.00	NoLiq	52.85	100.00	0.000	0.0E0	0.000	0.000
42.50	0.61	1.32	0.46	5.00	NoLiq	52.87	100.00	0.000	0.0E0	0.000	0.000
42.45	0.61	1.32	0.46	5.00	NoLiq	52.89	100.00	0.000	0.0E0	0.000	0.000
42.40	0.61	1.32	0.46	5.00	NoLiq	52.91	100.00	0.000	0.0E0	0.000	0.000
42.35	0.61	1.32	0.46	5.00	NoLiq	52.93	100.00	0.000	0.0E0	0.000	0.000
42.30	0.61	1.32	0.46	5.00	NoLiq	52.95	100.00	0.000	0.0E0	0.000	0.000
42.25	0.61	1.32	0.46	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	0.000
42.20	0.61	1.32	0.46	5.00	NoLiq	52.99	100.00	0.000	0.0E0	0.000	0.000
42.15	0.61	1.32	0.46	5.00	NoLiq	53.01	100.00	0.000	0.0E0	0.000	0.000
42.10	0.61	1.32	0.46	5.00	NoLiq	53.03	100.00	0.000	0.0E0	0.000	0.000
42.05	0.61	1.32	0.46	5.00	NoLiq	53.06	100.00	0.000	0.0E0	0.000	0.000

42.00	0.61	1.32	0.46	5.00	NoLiq	53.08	100.00	0.000	0.0E0	0.000	0.000
41.95	0.61	1.32	0.46	5.00	NoLiq	53.10	100.00	0.000	0.0E0	0.000	0.000
41.90	0.61	1.32	0.46	5.00	NoLiq	53.12	100.00	0.000	0.0E0	0.000	0.000
41.85	0.61	1.32	0.46	5.00	NoLiq	53.14	100.00	0.000	0.0E0	0.000	0.000
41.80	0.61	1.32	0.46	5.00	NoLiq	53.16	100.00	0.000	0.0E0	0.000	0.000
41.75	0.61	1.32	0.46	5.00	NoLiq	53.18	100.00	0.000	0.0E0	0.000	0.000
41.70	0.61	1.32	0.46	5.00	NoLiq	53.20	100.00	0.000	0.0E0	0.000	0.000
41.65	0.61	1.32	0.47	5.00	NoLiq	53.22	100.00	0.000	0.0E0	0.000	0.000
41.60	0.61	1.32	0.47	5.00	NoLiq	53.24	100.00	0.000	0.0E0	0.000	0.000
41.55	0.61	1.32	0.47	5.00	NoLiq	53.26	100.00	0.000	0.0E0	0.000	0.000
41.50	0.61	1.32	0.47	5.00	NoLiq	53.28	100.00	0.000	0.0E0	0.000	0.000
41.45	0.61	1.32	0.47	5.00	NoLiq	53.30	100.00	0.000	0.0E0	0.000	0.000
41.40	0.62	1.32	0.47	5.00	NoLiq	53.32	100.00	0.000	0.0E0	0.000	0.000
41.35	0.62	1.32	0.47	5.00	NoLiq	53.34	100.00	0.000	0.0E0	0.000	0.000
41.30	0.62	1.32	0.47	5.00	NoLiq	53.36	100.00	0.000	0.0E0	0.000	0.000
41.25	0.62	1.32	0.47	5.00	NoLiq	53.38	100.00	0.000	0.0E0	0.000	0.000
41.20	0.62	1.32	0.47	5.00	NoLiq	53.41	100.00	0.000	0.0E0	0.000	0.000
41.15	0.62	1.32	0.47	5.00	NoLiq	53.43	100.00	0.000	0.0E0	0.000	0.000
41.10	0.62	1.32	0.47	5.00	NoLiq	53.45	100.00	0.000	0.0E0	0.000	0.000
41.05	0.62	1.32	0.47	5.00	NoLiq	53.47	100.00	0.000	0.0E0	0.000	0.000
41.00	0.62	1.32	0.47	5.00	NoLiq	53.49	100.00	0.000	0.0E0	0.000	0.000
40.95	0.62	1.32	0.47	5.00	NoLiq	53.51	100.00	0.000	0.0E0	0.000	0.000
40.90	0.62	1.32	0.47	5.00	NoLiq	53.53	100.00	0.000	0.0E0	0.000	0.000
40.85	0.62	1.32	0.47	5.00	NoLiq	53.55	100.00	0.000	0.0E0	0.000	0.000
40.80	0.62	1.32	0.47	5.00	NoLiq	53.57	100.00	0.000	0.0E0	0.000	0.000
40.75	0.62	1.32	0.47	5.00	NoLiq	53.59	100.00	0.000	0.0E0	0.000	0.000
40.70	0.62	1.32	0.47	5.00	NoLiq	53.61	100.00	0.000	0.0E0	0.000	0.000
40.65	0.62	1.32	0.47	5.00	NoLiq	53.63	100.00	0.000	0.0E0	0.000	0.000
40.60	0.62	1.32	0.47	5.00	NoLiq	53.65	100.00	0.000	0.0E0	0.000	0.000
40.55	0.62	1.32	0.47	5.00	NoLiq	53.67	100.00	0.000	0.0E0	0.000	0.000
40.50	0.62	1.32	0.47	5.00	NoLiq	53.69	100.00	0.000	0.0E0	0.000	0.000
40.45	0.62	1.32	0.47	5.00	NoLiq	53.71	100.00	0.000	0.0E0	0.000	0.000
40.40	0.62	1.32	0.47	5.00	NoLiq	53.73	100.00	0.000	0.0E0	0.000	0.000
40.35	0.62	1.32	0.47	5.00	NoLiq	53.75	100.00	0.000	0.0E0	0.000	0.000
40.30	0.62	1.32	0.47	5.00	NoLiq	53.77	100.00	0.000	0.0E0	0.000	0.000
40.25	0.62	1.32	0.47	5.00	NoLiq	53.79	100.00	0.000	0.0E0	0.000	0.000
40.20	0.62	1.32	0.47	5.00	NoLiq	53.81	100.00	0.000	0.0E0	0.000	0.000
40.15	0.62	1.32	0.47	5.00	NoLiq	53.83	100.00	0.000	0.0E0	0.000	0.000
40.10	0.62	1.32	0.47	5.00	NoLiq	53.85	100.00	0.000	0.0E0	0.000	0.000
40.05	0.62	1.32	0.47	5.00	NoLiq	53.87	100.00	0.000	0.0E0	0.000	0.000
40.00	0.62	1.32	0.47	5.00	NoLiq	53.89	100.00	0.000	0.0E0	0.000	0.000
39.95	0.62	1.32	0.47	5.00	NoLiq	53.51	100.00	0.000	0.0E0	0.000	0.000
39.90	0.62	1.32	0.47	5.00	NoLiq	53.12	100.00	0.000	0.0E0	0.000	0.000
39.85	0.62	1.32	0.47	5.00	NoLiq	52.74	100.00	0.000	0.0E0	0.000	0.000
39.80	0.62	1.32	0.47	5.00	NoLiq	52.36	100.00	0.000	0.0E0	0.000	0.000
39.75	0.63	1.32	0.47	5.00	NoLiq	51.98	100.00	0.000	0.0E0	0.000	0.000
39.70	0.63	1.32	0.47	5.00	NoLiq	51.59	100.00	0.000	0.0E0	0.000	0.000
39.65	0.63	1.32	0.47	5.00	NoLiq	51.21	100.00	0.000	0.0E0	0.000	0.000
39.60	0.63	1.32	0.47	5.00	NoLiq	50.83	100.00	0.000	0.0E0	0.000	0.000
39.55	0.63	1.32	0.47	5.00	NoLiq	50.44	100.00	0.000	0.0E0	0.000	0.000
39.50	0.63	1.32	0.48	5.00	NoLiq	50.06	100.00	0.000	0.0E0	0.000	0.000
39.45	0.63	1.32	0.48	5.00	NoLiq	49.67	100.00	0.000	0.0E0	0.000	0.000
39.40	0.63	1.32	0.48	5.00	NoLiq	49.29	100.00	0.000	0.0E0	0.000	0.000
39.35	0.63	1.32	0.48	5.00	NoLiq	48.90	100.00	0.000	0.0E0	0.000	0.000
39.30	0.63	1.32	0.48	5.00	NoLiq	48.52	100.00	0.000	0.0E0	0.000	0.000
39.25	0.63	1.32	0.48	5.00	NoLiq	48.13	100.00	0.000	0.0E0	0.000	0.000
39.20	0.63	1.32	0.48	5.00	NoLiq	47.74	100.00	0.000	0.0E0	0.000	0.000
39.15	0.63	1.32	0.48	5.00	NoLiq	47.36	100.00	0.000	0.0E0	0.000	0.000
39.10	0.63	1.32	0.48	5.00	NoLiq	46.97	100.00	0.000	0.0E0	0.000	0.000
39.05	0.63	1.32	0.48	5.00	NoLiq	46.58	100.00	0.000	0.0E0	0.000	0.000
39.00	0.63	1.32	0.48	5.00	NoLiq	46.20	100.00	0.000	0.0E0	0.000	0.000
38.95	0.63	1.32	0.48	5.00	NoLiq	45.81	100.00	0.000	0.0E0	0.000	0.000
38.90	0.63	1.32	0.48	5.00	NoLiq	45.42	100.00	0.000	0.0E0	0.000	0.000
38.85	0.63	1.32	0.48	5.00	NoLiq	45.03	100.00	0.000	0.0E0	0.000	0.000
38.80	0.63	1.32	0.48	5.00	NoLiq	44.64	100.00	0.000	0.0E0	0.000	0.000
38.75	0.63	1.32	0.48	5.00	NoLiq	44.25	100.00	0.000	0.0E0	0.000	0.000
38.70	0.63	1.32	0.48	5.00	NoLiq	43.86	100.00	0.000	0.0E0	0.000	0.000
38.65	0.63	1.32	0.48	5.00	NoLiq	43.47	100.00	0.000	0.0E0	0.000	0.000
38.60	0.63	1.32	0.48	5.00	NoLiq	43.08	100.00	0.000	0.0E0	0.000	0.000
38.55	0.63	1.32	0.48	5.00	NoLiq	42.69	100.00	0.000	0.0E0	0.000	0.000
38.50	0.63	1.32	0.48	5.00	NoLiq	42.30	100.00	0.000	0.0E0	0.000	0.000
38.45	0.63	1.32	0.48	5.00	NoLiq	41.91	100.00	0.000	0.0E0	0.000	0.000
38.40	0.63	1.32	0.48	5.00	NoLiq	41.52	100.00	0.000	0.0E0	0.000	0.000

38.35	0.63	1.32	0.48	5.00	NoLiq	41.13	100.00	0.000	0.0E0	0.000	0.000
38.30	0.63	1.32	0.48	5.00	NoLiq	40.74	100.00	0.000	0.0E0	0.000	0.000
38.25	0.63	1.32	0.48	5.00	NoLiq	40.35	100.00	0.000	0.0E0	0.000	0.000
38.20	0.63	1.32	0.48	5.00	NoLiq	39.95	100.00	0.000	0.0E0	0.000	0.000
38.15	0.63	1.32	0.48	5.00	NoLiq	39.56	100.00	0.000	0.0E0	0.000	0.000
38.10	0.64	1.32	0.48	5.00	NoLiq	39.17	100.00	0.000	0.0E0	0.000	0.000
38.05	0.64	1.32	0.48	5.00	NoLiq	38.77	100.00	0.000	0.0E0	0.000	0.000
38.00	0.64	1.32	0.48	5.00	NoLiq	38.38	100.00	0.000	0.0E0	0.000	0.000
37.95	0.64	1.32	0.48	5.00	NoLiq	37.99	100.00	0.000	0.0E0	0.000	0.000
37.90	0.64	1.32	0.48	5.00	NoLiq	37.59	100.00	0.000	0.0E0	0.000	0.000
37.85	0.64	1.32	0.48	5.00	NoLiq	37.20	100.00	0.000	0.0E0	0.000	0.000
37.80	0.64	1.32	0.48	5.00	NoLiq	36.80	100.00	0.000	0.0E0	0.000	0.000
37.75	0.64	1.32	0.48	5.00	NoLiq	36.41	100.00	0.000	0.0E0	0.000	0.000
37.70	0.64	1.32	0.48	5.00	NoLiq	36.01	100.00	0.105	0.0E0	0.000	0.000
37.65	0.64	1.32	0.48	5.00	NoLiq	35.61	100.00	0.120	0.0E0	0.000	0.000
37.60	0.64	1.32	0.48	5.00	NoLiq	35.22	100.00	0.134	0.0E0	0.000	0.000
37.55	0.64	1.32	0.48	5.00	NoLiq	34.82	100.00	0.148	0.0E0	0.000	0.000
37.50	0.64	1.32	0.48	5.00	NoLiq	34.42	100.00	0.162	0.0E0	0.000	0.000
37.45	0.64	1.32	0.48	5.00	NoLiq	34.03	99.96	0.176	0.0E0	0.000	0.000
37.40	0.64	1.32	0.48	5.00	NoLiq	33.63	98.90	0.190	0.0E0	0.000	0.000
37.35	0.64	1.32	0.48	5.00	NoLiq	33.23	97.86	0.227	0.0E0	0.000	0.000
37.30	0.64	1.32	0.49	5.00	NoLiq	32.83	96.84	0.312	0.0E0	0.000	0.000
37.25	0.64	1.32	0.49	5.00	NoLiq	32.43	95.83	0.396	0.0E0	0.000	0.000
37.20	0.64	1.32	0.49	5.00	NoLiq	32.03	94.84	0.481	0.0E0	0.000	0.000
37.15	0.64	1.32	0.49	5.00	NoLiq	31.63	93.87	0.538	0.0E0	0.000	0.000
37.10	0.64	1.32	0.49	5.00	NoLiq	31.23	92.91	0.588	0.0E0	0.000	0.000
37.05	0.64	1.32	0.49	5.00	NoLiq	30.83	91.97	0.638	0.0E0	0.000	0.000
37.00	0.64	1.32	0.49	5.00	NoLiq	30.43	91.04	0.688	0.0E0	0.000	0.000
36.95	0.64	1.32	0.49	5.00	NoLiq	30.03	90.13	0.738	0.0E0	0.000	0.000
36.90	0.64	1.32	0.49	5.00	NoLiq	29.63	89.23	0.788	0.0E0	0.000	0.000
36.85	0.64	1.32	0.49	5.00	NoLiq	29.23	88.34	0.838	0.0E0	0.000	0.000
36.80	0.64	1.32	0.49	5.00	NoLiq	28.83	87.47	0.888	0.0E0	0.000	0.000
36.75	0.64	1.32	0.49	5.00	NoLiq	28.42	86.61	0.938	0.0E0	0.000	0.000
36.70	0.64	1.32	0.49	5.00	NoLiq	28.02	85.76	0.989	0.0E0	0.000	0.000
36.65	0.64	1.32	0.49	5.00	NoLiq	27.62	84.92	1.020	0.0E0	0.000	0.000
36.60	0.64	1.32	0.49	5.00	NoLiq	27.22	84.09	1.045	0.0E0	0.000	0.000
36.55	0.64	1.32	0.49	5.00	NoLiq	26.81	83.27	1.071	0.0E0	0.000	0.000
36.50	0.64	1.32	0.49	5.00	NoLiq	26.41	82.46	1.096	0.0E0	0.000	0.000
36.45	0.65	1.32	0.49	5.00	NoLiq	26.00	81.66	1.122	0.0E0	0.000	0.000
36.40	0.65	1.32	0.49	5.00	NoLiq	25.60	80.87	1.148	0.0E0	0.000	0.000
36.35	0.65	1.32	0.49	5.00	NoLiq	25.19	80.09	1.173	0.0E0	0.000	0.000
36.30	0.65	1.32	0.49	5.00	NoLiq	24.79	79.31	1.199	0.0E0	0.000	0.000
36.25	0.65	1.32	0.49	5.00	NoLiq	24.38	78.54	1.225	0.0E0	0.000	0.000
36.20	0.65	1.32	0.49	5.00	NoLiq	23.98	77.78	1.250	0.0E0	0.000	0.000
36.15	0.65	1.32	0.49	5.00	NoLiq	23.57	77.02	1.276	0.0E0	0.000	0.000
36.10	0.65	1.32	0.49	5.00	NoLiq	23.16	76.27	1.302	0.0E0	0.000	0.000
36.05	0.65	1.32	0.49	5.00	NoLiq	22.76	75.52	1.327	0.0E0	0.000	0.000
36.00	0.65	1.32	0.49	5.00	NoLiq	22.35	74.78	1.353	0.0E0	0.000	0.000
35.95	0.65	1.32	0.49	5.00	NoLiq	21.94	74.04	1.379	0.0E0	0.000	0.000
35.90	0.65	1.32	0.49	5.00	NoLiq	21.53	73.30	1.404	0.0E0	0.000	0.000
35.85	0.65	1.32	0.49	5.00	NoLiq	21.12	72.56	1.430	0.0E0	0.000	0.000
35.80	0.65	1.32	0.49	5.00	NoLiq	20.71	71.82	1.456	0.0E0	0.000	0.000
35.75	0.65	1.32	0.49	5.00	NoLiq	20.30	71.09	1.482	0.0E0	0.000	0.000
35.70	0.65	1.32	0.49	5.00	NoLiq	19.89	70.35	1.510	0.0E0	0.000	0.000
35.65	0.65	1.32	0.49	5.00	NoLiq	19.48	69.61	1.544	0.0E0	0.000	0.000
35.60	0.65	1.32	0.49	5.00	NoLiq	19.07	68.87	1.578	0.0E0	0.000	0.000
35.55	0.65	1.32	0.49	5.00	NoLiq	18.66	68.12	1.612	0.0E0	0.000	0.000
35.50	0.65	1.32	0.49	5.00	NoLiq	18.25	67.38	1.646	0.0E0	0.000	0.000
35.45	0.65	1.32	0.49	5.00	NoLiq	17.84	66.62	1.680	0.0E0	0.000	0.000
35.40	0.65	1.32	0.49	5.00	NoLiq	17.43	65.87	1.714	0.0E0	0.000	0.000
35.35	0.65	1.32	0.49	5.00	NoLiq	17.02	65.11	1.748	0.0E0	0.000	0.000
35.30	0.65	1.32	0.49	5.00	NoLiq	16.60	64.34	1.783	0.0E0	0.000	0.000
35.25	0.65	1.32	0.49	5.00	NoLiq	16.19	63.56	1.817	0.0E0	0.000	0.000
35.20	0.65	1.32	0.50	5.00	NoLiq	15.78	62.77	1.852	0.0E0	0.000	0.000
35.15	0.65	1.32	0.50	5.00	NoLiq	15.36	61.98	1.886	0.0E0	0.000	0.000
35.10	0.65	1.32	0.50	5.00	NoLiq	14.95	61.17	1.921	0.0E0	0.000	0.000
35.05	0.65	1.32	0.50	5.00	NoLiq	14.53	60.36	1.955	0.0E0	0.000	0.000
35.00	0.65	1.32	0.50	5.00	NoLiq	14.12	59.54	1.990	0.0E0	0.000	0.000
34.95	0.65	1.32	0.50	5.00	NoLiq	14.12	59.54	1.990	0.0E0	0.000	0.000
34.90	0.66	1.32	0.50	5.00	NoLiq	14.13	59.55	1.990	0.0E0	0.000	0.000
34.85	0.66	1.32	0.50	5.00	NoLiq	14.13	59.56	1.990	0.0E0	0.000	0.000
34.80	0.66	1.32	0.50	5.00	NoLiq	14.14	59.57	1.990	0.0E0	0.000	0.000
34.75	0.66	1.32	0.50	5.00	NoLiq	14.14	59.58	1.990	0.0E0	0.000	0.000

34.70	0.66	1.32	0.50	5.00	NoLiq	14.15	59.59	1.989	0.0E0	0.000	0.000
34.65	0.66	1.32	0.50	5.00	NoLiq	14.15	59.60	1.989	0.0E0	0.000	0.000
34.60	0.66	1.32	0.50	5.00	NoLiq	14.15	59.60	1.989	0.0E0	0.000	0.000
34.55	0.66	1.32	0.50	5.00	NoLiq	14.16	59.61	1.989	0.0E0	0.000	0.000
34.50	0.66	1.32	0.50	5.00	NoLiq	14.16	59.62	1.989	0.0E0	0.000	0.000
34.45	0.66	1.32	0.50	5.00	NoLiq	14.17	59.63	1.989	0.0E0	0.000	0.000
34.40	0.66	1.32	0.50	5.00	NoLiq	14.17	59.64	1.989	0.0E0	0.000	0.000
34.35	0.66	1.32	0.50	5.00	NoLiq	14.18	59.65	1.989	0.0E0	0.000	0.000
34.30	0.66	1.32	0.50	5.00	NoLiq	14.18	59.66	1.989	0.0E0	0.000	0.000
34.25	0.66	1.32	0.50	5.00	NoLiq	14.18	59.66	1.989	0.0E0	0.000	0.000
34.20	0.66	1.32	0.50	5.00	NoLiq	14.19	59.67	1.989	0.0E0	0.000	0.000
34.15	0.66	1.32	0.50	5.00	NoLiq	14.19	59.68	1.989	0.0E0	0.000	0.000
34.10	0.66	1.32	0.50	5.00	NoLiq	14.20	59.69	1.988	0.0E0	0.000	0.000
34.05	0.66	1.32	0.50	5.00	NoLiq	14.20	59.70	1.988	0.0E0	0.000	0.000
34.00	0.66	1.32	0.50	5.00	NoLiq	14.21	59.71	1.988	0.0E0	0.000	0.000
33.95	0.66	1.32	0.50	5.00	NoLiq	14.21	59.72	1.987	0.0E0	0.000	0.000
33.90	0.66	1.32	0.50	5.00	NoLiq	14.21	59.72	1.987	0.0E0	0.000	0.000
33.85	0.66	1.32	0.50	5.00	NoLiq	14.22	59.73	1.987	0.0E0	0.000	0.000
33.80	0.66	1.32	0.50	5.00	NoLiq	14.22	59.74	1.986	0.0E0	0.000	0.000
33.75	0.66	1.32	0.50	5.00	NoLiq	14.23	59.75	1.986	0.0E0	0.000	0.000
33.70	0.66	1.32	0.50	5.00	NoLiq	14.23	59.76	1.985	0.0E0	0.000	0.000
33.65	0.66	1.32	0.50	5.00	NoLiq	14.24	59.77	1.985	0.0E0	0.000	0.000
33.60	0.66	1.32	0.50	5.00	NoLiq	14.24	59.78	1.985	0.0E0	0.000	0.000
33.55	0.66	1.32	0.50	5.00	NoLiq	14.24	59.79	1.984	0.0E0	0.000	0.000
33.50	0.66	1.32	0.50	5.00	NoLiq	14.25	59.79	1.984	0.0E0	0.000	0.000
33.45	0.66	1.32	0.50	5.00	NoLiq	14.25	59.80	1.984	0.0E0	0.000	0.000
33.40	0.66	1.32	0.50	5.00	NoLiq	14.26	59.81	1.983	0.0E0	0.000	0.000
33.35	0.66	1.32	0.50	5.00	NoLiq	14.26	59.82	1.983	0.0E0	0.000	0.000
33.30	0.67	1.32	0.50	5.00	NoLiq	14.27	59.83	1.983	0.0E0	0.000	0.000
33.25	0.67	1.32	0.50	5.00	NoLiq	14.27	59.84	1.982	0.0E0	0.000	0.000
33.20	0.67	1.32	0.50	5.00	NoLiq	14.27	59.85	1.982	0.0E0	0.000	0.000
33.15	0.67	1.32	0.50	5.00	NoLiq	14.28	59.85	1.981	0.0E0	0.000	0.000
33.10	0.67	1.32	0.51	5.00	NoLiq	14.28	59.86	1.981	0.0E0	0.000	0.000
33.05	0.67	1.32	0.51	5.00	NoLiq	14.29	59.87	1.981	0.0E0	0.000	0.000
33.00	0.67	1.32	0.51	5.00	NoLiq	14.29	59.88	1.980	0.0E0	0.000	0.000
32.95	0.67	1.32	0.51	5.00	NoLiq	14.30	59.89	1.980	0.0E0	0.000	0.000
32.90	0.67	1.32	0.51	5.00	NoLiq	14.30	59.90	1.980	0.0E0	0.000	0.000
32.85	0.67	1.32	0.51	5.00	NoLiq	14.30	59.91	1.979	0.0E0	0.000	0.000
32.80	0.67	1.32	0.51	5.00	NoLiq	14.31	59.92	1.979	0.0E0	0.000	0.000
32.75	0.67	1.32	0.51	5.00	NoLiq	14.31	59.92	1.979	0.0E0	0.000	0.000
32.70	0.67	1.32	0.51	5.00	NoLiq	14.32	59.93	1.978	0.0E0	0.000	0.000
32.65	0.67	1.32	0.51	5.00	NoLiq	14.32	59.94	1.978	0.0E0	0.000	0.000
32.60	0.67	1.32	0.51	5.00	NoLiq	14.33	59.95	1.977	0.0E0	0.000	0.000
32.55	0.67	1.32	0.51	5.00	NoLiq	14.33	59.96	1.977	0.0E0	0.000	0.000
32.50	0.67	1.32	0.51	5.00	NoLiq	14.34	59.97	1.977	0.0E0	0.000	0.000
32.45	0.67	1.32	0.51	5.00	NoLiq	14.34	59.98	1.976	0.0E0	0.000	0.000
32.40	0.67	1.32	0.51	5.00	NoLiq	14.34	59.99	1.976	0.0E0	0.000	0.000
32.35	0.67	1.32	0.51	5.00	NoLiq	14.35	59.99	1.976	0.0E0	0.000	0.000
32.30	0.67	1.32	0.51	5.00	NoLiq	14.35	60.00	1.975	0.0E0	0.000	0.000
32.25	0.67	1.32	0.51	5.00	NoLiq	14.36	60.01	1.975	0.0E0	0.000	0.000
32.20	0.67	1.32	0.51	5.00	NoLiq	14.36	60.02	1.975	0.0E0	0.000	0.000
32.15	0.67	1.32	0.51	5.00	NoLiq	14.37	60.03	1.974	0.0E0	0.000	0.000
32.10	0.67	1.32	0.51	5.00	NoLiq	14.37	60.04	1.974	0.0E0	0.000	0.000
32.05	0.67	1.32	0.51	5.00	NoLiq	14.38	60.05	1.973	0.0E0	0.000	0.000
32.00	0.67	1.32	0.51	5.00	NoLiq	14.38	60.06	1.973	0.0E0	0.000	0.000
31.95	0.67	1.32	0.51	5.00	NoLiq	14.38	60.06	1.973	0.0E0	0.000	0.000
31.90	0.67	1.32	0.51	5.00	NoLiq	14.39	60.07	1.972	0.0E0	0.000	0.000
31.85	0.67	1.32	0.51	5.00	NoLiq	14.39	60.08	1.972	0.0E0	0.000	0.000
31.80	0.67	1.32	0.51	5.00	NoLiq	14.40	60.09	1.972	0.0E0	0.000	0.000
31.75	0.67	1.32	0.51	5.00	NoLiq	14.40	60.10	1.971	0.0E0	0.000	0.000
31.70	0.67	1.32	0.51	5.00	NoLiq	14.41	60.11	1.971	0.0E0	0.000	0.000
31.65	0.67	1.32	0.51	5.00	NoLiq	14.41	60.12	1.970	0.0E0	0.000	0.000
31.60	0.68	1.32	0.51	5.00	NoLiq	14.42	60.13	1.970	0.0E0	0.000	0.000
31.55	0.68	1.32	0.51	5.00	NoLiq	14.42	60.13	1.970	0.0E0	0.000	0.000
31.50	0.68	1.32	0.51	5.00	NoLiq	14.42	60.14	1.969	0.0E0	0.000	0.000
31.45	0.68	1.32	0.51	5.00	NoLiq	14.43	60.15	1.969	0.0E0	0.000	0.000
31.40	0.68	1.32	0.51	5.00	NoLiq	14.43	60.16	1.969	0.0E0	0.000	0.000
31.35	0.68	1.32	0.51	5.00	NoLiq	14.44	60.17	1.968	0.0E0	0.000	0.000
31.30	0.68	1.32	0.51	5.00	NoLiq	14.44	60.18	1.968	0.0E0	0.000	0.000
31.25	0.68	1.32	0.51	5.00	NoLiq	14.45	60.19	1.967	0.0E0	0.000	0.000
31.20	0.68	1.32	0.51	5.00	NoLiq	14.45	60.20	1.967	0.0E0	0.000	0.000
31.15	0.68	1.32	0.51	5.00	NoLiq	14.46	60.21	1.967	0.0E0	0.000	0.000
31.10	0.68	1.32	0.51	5.00	NoLiq	14.46	60.21	1.966	0.0E0	0.000	0.000

31.05	0.68	1.32	0.51	5.00	NoLiq	14.46	60.22	1.966	0.0E0	0.000	0.000
31.00	0.68	1.32	0.51	5.00	NoLiq	14.47	60.23	1.966	0.0E0	0.000	0.000
30.95	0.68	1.32	0.51	5.00	NoLiq	14.47	60.24	1.965	0.0E0	0.000	0.000
30.90	0.68	1.32	0.52	5.00	NoLiq	14.48	60.25	1.965	0.0E0	0.000	0.000
30.85	0.68	1.32	0.52	5.00	NoLiq	14.48	60.26	1.964	0.0E0	0.000	0.000
30.80	0.68	1.32	0.52	5.00	NoLiq	14.49	60.27	1.964	0.0E0	0.000	0.000
30.75	0.68	1.32	0.52	5.00	NoLiq	14.49	60.28	1.964	0.0E0	0.000	0.000
30.70	0.68	1.32	0.52	5.00	NoLiq	14.50	60.29	1.963	0.0E0	0.000	0.000
30.65	0.68	1.32	0.52	5.00	NoLiq	14.50	60.29	1.963	0.0E0	0.000	0.000
30.60	0.68	1.32	0.52	5.00	NoLiq	14.50	60.30	1.963	0.0E0	0.000	0.000
30.55	0.68	1.32	0.52	5.00	NoLiq	14.51	60.31	1.962	0.0E0	0.000	0.000
30.50	0.68	1.32	0.52	5.00	NoLiq	14.51	60.32	1.962	0.0E0	0.000	0.000
30.45	0.68	1.32	0.52	5.00	NoLiq	14.52	60.33	1.961	0.0E0	0.000	0.000
30.40	0.68	1.32	0.52	5.00	NoLiq	14.52	60.34	1.961	0.0E0	0.000	0.000
30.35	0.68	1.32	0.52	5.00	NoLiq	14.53	60.35	1.961	0.0E0	0.000	0.000
30.30	0.68	1.32	0.52	5.00	NoLiq	14.53	60.36	1.960	0.0E0	0.000	0.000
30.25	0.68	1.32	0.52	5.00	NoLiq	14.54	60.37	1.960	0.0E0	0.000	0.000
30.20	0.68	1.32	0.52	5.00	NoLiq	14.54	60.37	1.960	0.0E0	0.000	0.000
30.15	0.68	1.32	0.52	5.00	NoLiq	14.54	60.38	1.959	0.0E0	0.000	0.000
30.10	0.68	1.32	0.52	5.00	NoLiq	14.55	60.39	1.959	0.0E0	0.000	0.000
30.05	0.68	1.32	0.52	5.00	NoLiq	14.55	60.40	1.958	0.0E0	0.000	0.000
30.00	0.68	1.32	0.52	5.00	NoLiq	14.56	60.41	1.958	0.0E0	0.000	0.000
29.95	0.68	1.32	0.52	5.00	NoLiq	14.52	60.34	1.961	0.0E0	0.000	0.000
29.90	0.68	1.32	0.52	5.00	NoLiq	14.49	60.28	1.964	0.0E0	0.000	0.000
29.85	0.68	1.32	0.52	5.00	NoLiq	14.46	60.21	1.967	0.0E0	0.000	0.000
29.80	0.68	1.32	0.52	5.00	NoLiq	14.42	60.14	1.969	0.0E0	0.000	0.000
29.75	0.68	1.32	0.52	5.00	NoLiq	14.39	60.07	1.972	0.0E0	0.000	0.000
29.70	0.68	1.32	0.52	5.00	NoLiq	14.36	60.01	1.975	0.0E0	0.000	0.000
29.65	0.69	1.32	0.52	5.00	NoLiq	14.32	59.94	1.978	0.0E0	0.000	0.000
29.60	0.69	1.32	0.52	5.00	NoLiq	14.29	59.87	1.981	0.0E0	0.000	0.000
29.55	0.69	1.32	0.52	5.00	NoLiq	14.25	59.80	1.984	0.0E0	0.000	0.000
29.50	0.69	1.32	0.52	5.00	NoLiq	14.22	59.74	1.986	0.0E0	0.000	0.000
29.45	0.69	1.32	0.52	5.00	NoLiq	14.19	59.67	1.989	0.0E0	0.000	0.000
29.40	0.69	1.32	0.52	5.00	NoLiq	14.15	59.60	1.992	0.0E0	0.000	0.000
29.35	0.69	1.32	0.52	5.00	NoLiq	14.12	59.53	1.995	0.0E0	0.000	0.000
29.30	0.69	1.32	0.52	5.00	NoLiq	14.08	59.46	1.998	0.0E0	0.000	0.000
29.25	0.69	1.32	0.52	5.00	NoLiq	14.05	59.39	2.001	0.0E0	0.000	0.000
29.20	0.69	1.32	0.52	5.00	NoLiq	14.02	59.33	2.006	0.0E0	0.000	0.000
29.15	0.69	1.32	0.52	5.00	NoLiq	13.98	59.26	2.010	0.0E0	0.000	0.000
29.10	0.69	1.32	0.52	5.00	NoLiq	13.95	59.19	2.015	0.0E0	0.000	0.000
29.05	0.69	1.32	0.52	5.00	NoLiq	13.91	59.12	2.019	0.0E0	0.000	0.000
29.00	0.69	1.32	0.52	5.00	NoLiq	13.88	59.05	2.024	0.0E0	0.000	0.000
28.95	0.69	1.32	0.52	5.00	NoLiq	13.84	58.98	2.028	0.0E0	0.000	0.000
28.90	0.69	1.32	0.52	5.00	NoLiq	13.81	58.91	2.033	0.0E0	0.000	0.000
28.85	0.69	1.32	0.52	5.00	NoLiq	13.78	58.84	2.037	0.0E0	0.000	0.000
28.80	0.69	1.32	0.52	5.00	NoLiq	13.74	58.77	2.042	0.0E0	0.000	0.000
28.75	0.69	1.32	0.52	5.00	NoLiq	13.71	58.70	2.046	0.0E0	0.000	0.000
28.70	0.69	1.32	0.52	5.00	NoLiq	13.67	58.63	2.051	0.0E0	0.000	0.000
28.65	0.69	1.32	0.52	5.00	NoLiq	13.64	58.56	2.055	0.0E0	0.000	0.000
28.60	0.69	1.32	0.52	5.00	NoLiq	13.60	58.49	2.060	0.0E0	0.000	0.000
28.55	0.69	1.32	0.52	5.00	NoLiq	13.57	58.42	2.064	0.0E0	0.000	0.000
28.50	0.69	1.32	0.52	5.00	NoLiq	13.53	58.35	2.069	0.0E0	0.000	0.000
28.45	0.69	1.32	0.52	5.00	NoLiq	13.50	58.28	2.073	0.0E0	0.000	0.000
28.40	0.69	1.32	0.52	5.00	NoLiq	13.46	58.20	2.078	0.0E0	0.000	0.000
28.35	0.69	1.32	0.52	5.00	NoLiq	13.43	58.13	2.083	0.0E0	0.000	0.000
28.30	0.69	1.32	0.52	5.00	NoLiq	13.39	58.06	2.087	0.0E0	0.000	0.000
28.25	0.69	1.32	0.52	5.00	NoLiq	13.36	57.99	2.092	0.0E0	0.000	0.000
28.20	0.69	1.32	0.52	5.00	NoLiq	13.33	57.92	2.096	0.0E0	0.000	0.000
28.15	0.69	1.32	0.52	5.00	NoLiq	13.29	57.85	2.101	0.0E0	0.000	0.000
28.10	0.69	1.32	0.52	5.00	NoLiq	13.26	57.77	2.105	0.0E0	0.000	0.000
28.05	0.69	1.32	0.52	5.00	NoLiq	13.22	57.70	2.110	0.0E0	0.000	0.000
28.00	0.69	1.32	0.52	5.00	NoLiq	13.19	57.63	2.115	0.0E0	0.000	0.000
27.95	0.69	1.32	0.52	5.00	NoLiq	13.15	57.56	2.119	0.0E0	0.000	0.000
27.90	0.69	1.32	0.52	5.00	NoLiq	13.12	57.48	2.124	0.0E0	0.000	0.000
27.85	0.69	1.32	0.52	5.00	NoLiq	12.68	56.56	2.182	0.0E0	0.000	0.000
27.80	0.69	1.32	0.52	5.00	NoLiq	12.64	56.49	2.186	0.0E0	0.000	0.000
27.75	0.69	1.32	0.52	5.00	NoLiq	12.61	56.42	2.190	0.0E0	0.000	0.000
27.70	0.69	1.32	0.52	5.00	NoLiq	12.58	56.35	2.195	0.0E0	0.000	0.000
27.65	0.69	1.32	0.52	5.00	NoLiq	12.54	56.28	2.199	0.0E0	0.000	0.000
27.60	0.69	1.32	0.52	5.00	NoLiq	12.51	56.21	2.204	0.0E0	0.000	0.000
27.55	0.69	1.32	0.52	5.00	NoLiq	12.48	56.14	2.208	0.0E0	0.000	0.000
27.50	0.69	1.32	0.52	5.00	NoLiq	12.44	56.06	2.212	0.0E0	0.000	0.000
27.45	0.69	1.32	0.52	5.00	NoLiq	12.41	55.99	2.217	0.0E0	0.000	0.000

27.40	0.69	1.32	0.52	5.00	NoLiq	12.38	55.92	2.221	0.0E0	0.000	0.000
27.35	0.69	1.32	0.52	5.00	NoLiq	12.34	55.85	2.226	0.0E0	0.000	0.000
27.30	0.69	1.32	0.52	5.00	NoLiq	12.31	55.78	2.230	0.0E0	0.000	0.000
27.25	0.69	1.32	0.52	5.00	NoLiq	12.27	55.70	2.234	0.0E0	0.000	0.000
27.20	0.69	1.32	0.52	5.00	NoLiq	12.24	55.63	2.239	0.0E0	0.000	0.000
27.15	0.69	1.32	0.52	5.00	NoLiq	12.21	55.56	2.243	0.0E0	0.000	0.000
27.10	0.69	1.32	0.52	5.00	NoLiq	12.17	55.48	2.248	0.0E0	0.000	0.000
27.05	0.69	1.32	0.52	5.00	NoLiq	12.14	55.41	2.252	0.0E0	0.000	0.000
27.00	0.69	1.32	0.52	5.00	NoLiq	12.11	55.34	2.257	0.0E0	0.000	0.000
26.95	0.69	1.32	0.52	5.00	NoLiq	12.07	55.26	2.261	0.0E0	0.000	0.000
26.90	0.69	1.32	0.52	5.00	NoLiq	12.04	55.19	2.266	0.0E0	0.000	0.000
26.85	0.69	1.32	0.52	5.00	NoLiq	12.00	55.12	2.270	0.0E0	0.000	0.000
26.80	0.69	1.32	0.52	5.00	NoLiq	11.97	55.04	2.274	0.0E0	0.000	0.000
26.75	0.69	1.32	0.52	5.00	NoLiq	11.94	54.97	2.279	0.0E0	0.000	0.000
26.70	0.69	1.32	0.52	5.00	NoLiq	11.90	54.89	2.283	0.0E0	0.000	0.000
26.65	0.69	1.32	0.52	5.00	NoLiq	11.87	54.82	2.288	0.0E0	0.000	0.000
26.60	0.69	1.32	0.52	5.00	NoLiq	11.83	54.74	2.292	0.0E0	0.000	0.000
26.55	0.69	1.32	0.52	5.00	NoLiq	11.80	54.67	2.297	0.0E0	0.000	0.000
26.50	0.69	1.32	0.52	5.00	NoLiq	11.77	54.59	2.301	0.0E0	0.000	0.000
26.45	0.69	1.32	0.52	5.00	NoLiq	11.73	54.52	2.306	0.0E0	0.000	0.000
26.40	0.69	1.32	0.52	5.00	NoLiq	11.70	54.44	2.310	0.0E0	0.000	0.000
26.35	0.69	1.32	0.52	5.00	NoLiq	11.66	54.37	2.315	0.0E0	0.000	0.000
26.30	0.69	1.32	0.52	5.00	NoLiq	11.63	54.29	2.319	0.0E0	0.000	0.000
26.25	0.69	1.32	0.52	5.00	NoLiq	11.60	54.22	2.324	0.0E0	0.000	0.000
26.20	0.69	1.32	0.52	5.00	NoLiq	11.56	54.14	2.328	0.0E0	0.000	0.000
26.15	0.69	1.32	0.52	5.00	NoLiq	11.53	54.06	2.333	0.0E0	0.000	0.000
26.10	0.69	1.32	0.52	5.00	NoLiq	11.49	53.99	2.337	0.0E0	0.000	0.000
26.05	0.69	1.32	0.52	5.00	NoLiq	11.46	53.91	2.342	0.0E0	0.000	0.000
26.00	0.69	1.32	0.52	5.00	NoLiq	11.42	53.83	2.346	0.0E0	0.000	0.000
25.95	0.69	1.32	0.52	5.00	NoLiq	11.39	53.76	2.351	0.0E0	0.000	0.000
25.90	0.69	1.32	0.52	5.00	NoLiq	11.35	53.68	2.356	0.0E0	0.000	0.000
25.85	0.69	1.32	0.52	5.00	NoLiq	11.32	53.60	2.360	0.0E0	0.000	0.000
25.80	0.69	1.32	0.52	5.00	NoLiq	11.28	53.52	2.365	0.0E0	0.000	0.000
25.75	0.69	1.32	0.52	5.00	NoLiq	11.25	53.44	2.369	0.0E0	0.000	0.000
25.70	0.69	1.32	0.52	5.00	NoLiq	11.22	53.37	2.374	0.0E0	0.000	0.000
25.65	0.69	1.32	0.52	5.00	NoLiq	11.18	53.29	2.378	0.0E0	0.000	0.000
25.60	0.69	1.32	0.52	5.00	NoLiq	11.15	53.21	2.383	0.0E0	0.000	0.000
25.55	0.69	1.32	0.52	5.00	NoLiq	11.11	53.13	2.387	0.0E0	0.000	0.000
25.50	0.69	1.32	0.52	5.00	NoLiq	11.08	53.05	2.392	0.0E0	0.000	0.000
25.45	0.69	1.32	0.52	5.00	NoLiq	11.04	52.97	2.397	0.0E0	0.000	0.000
25.40	0.69	1.32	0.52	5.00	NoLiq	11.01	52.89	2.401	0.0E0	0.000	0.000
25.35	0.69	1.32	0.52	5.00	NoLiq	10.97	52.81	2.406	0.0E0	0.000	0.000
25.30	0.69	1.32	0.52	5.00	NoLiq	10.94	52.73	2.410	0.0E0	0.000	0.000
25.25	0.69	1.32	0.52	5.00	NoLiq	10.90	52.65	2.415	0.0E0	0.000	0.000
25.20	0.69	1.32	0.52	5.00	NoLiq	10.87	52.57	2.420	0.0E0	0.000	0.000
25.15	0.69	1.32	0.52	5.00	NoLiq	10.83	52.49	2.424	0.0E0	0.000	0.000
25.10	0.69	1.32	0.52	5.00	NoLiq	10.80	52.41	2.429	0.0E0	0.000	0.000
25.05	0.69	1.32	0.52	5.00	NoLiq	10.76	52.33	2.433	0.0E0	0.000	0.000
25.00	0.69	1.32	0.52	5.00	NoLiq	10.73	52.25	2.438	0.0E0	0.000	0.000
24.95	0.69	1.32	0.52	5.00	NoLiq	10.73	52.25	2.438	0.0E0	0.000	0.000
24.90	0.69	1.32	0.52	5.00	NoLiq	10.73	52.26	2.437	0.0E0	0.000	0.000
24.85	0.69	1.32	0.52	5.00	NoLiq	10.74	52.27	2.437	0.0E0	0.000	0.000
24.80	0.69	1.32	0.52	5.00	NoLiq	10.74	52.28	2.436	0.0E0	0.000	0.000
24.75	0.69	1.32	0.52	5.00	NoLiq	10.74	52.28	2.436	0.0E0	0.000	0.000
24.70	0.69	1.32	0.52	5.00	NoLiq	10.74	52.29	2.436	0.0E0	0.000	0.000
24.65	0.69	1.32	0.52	5.00	NoLiq	10.75	52.30	2.435	0.0E0	0.000	0.000
24.60	0.69	1.32	0.52	5.00	NoLiq	10.75	52.30	2.435	0.0E0	0.000	0.000
24.55	0.69	1.32	0.52	5.00	NoLiq	10.75	52.31	2.434	0.0E0	0.000	0.000
24.50	0.69	1.32	0.52	5.00	NoLiq	10.76	52.32	2.434	0.0E0	0.000	0.000
24.45	0.69	1.32	0.52	5.00	NoLiq	10.76	52.32	2.434	0.0E0	0.000	0.000
24.40	0.69	1.32	0.52	5.00	NoLiq	10.76	52.33	2.433	0.0E0	0.000	0.000
24.35	0.69	1.32	0.52	5.00	NoLiq	10.77	52.34	2.433	0.0E0	0.000	0.000
24.30	0.69	1.32	0.52	5.00	NoLiq	10.77	52.35	2.432	0.0E0	0.000	0.000
24.25	0.69	1.32	0.52	5.00	NoLiq	10.77	52.35	2.432	0.0E0	0.000	0.000
24.20	0.69	1.32	0.52	5.00	NoLiq	10.77	52.36	2.432	0.0E0	0.000	0.000
24.15	0.69	1.32	0.52	5.00	NoLiq	10.78	52.37	2.431	0.0E0	0.000	0.000
24.10	0.69	1.32	0.52	5.00	NoLiq	10.78	52.37	2.431	0.0E0	0.000	0.000
24.05	0.69	1.32	0.52	5.00	NoLiq	10.78	52.38	2.430	0.0E0	0.000	0.000
24.00	0.69	1.32	0.52	5.00	NoLiq	10.79	52.39	2.430	0.0E0	0.000	0.000
23.95	0.69	1.32	0.52	5.00	NoLiq	10.79	52.40	2.430	0.0E0	0.000	0.000
23.90	0.69	1.32	0.52	5.00	NoLiq	10.79	52.40	2.429	0.0E0	0.000	0.000
23.85	0.69	1.32	0.52	5.00	NoLiq	10.80	52.41	2.429	0.0E0	0.000	0.000
23.80	0.69	1.32	0.52	5.00	NoLiq	10.80	52.42	2.428	0.0E0	0.000	0.000

23.75	0.69	1.32	0.52	5.00	NoLiq	10.80	52.42	2.428	0.0E0	0.000	0.000
23.70	0.69	1.32	0.52	5.00	NoLiq	10.81	52.43	2.428	0.0E0	0.000	0.000
23.65	0.69	1.32	0.52	5.00	NoLiq	10.81	52.44	2.427	0.0E0	0.000	0.000
23.60	0.69	1.32	0.52	5.00	NoLiq	10.81	52.45	2.427	0.0E0	0.000	0.000
23.55	0.69	1.32	0.52	5.00	NoLiq	10.82	52.45	2.426	0.0E0	0.000	0.000
23.50	0.69	1.32	0.52	5.00	NoLiq	10.82	52.46	2.426	0.0E0	0.000	0.000
23.45	0.69	1.32	0.52	5.00	NoLiq	10.82	52.47	2.426	0.0E0	0.000	0.000
23.40	0.69	1.32	0.52	5.00	NoLiq	10.82	52.47	2.425	0.0E0	0.000	0.000
23.35	0.69	1.32	0.52	5.00	NoLiq	10.83	52.48	2.425	0.0E0	0.000	0.000
23.30	0.69	1.32	0.52	5.00	NoLiq	10.83	52.49	2.424	0.0E0	0.000	0.000
23.25	0.69	1.32	0.53	5.00	NoLiq	10.83	52.50	2.424	0.0E0	0.000	0.000
23.20	0.69	1.32	0.53	5.00	NoLiq	10.84	52.50	2.423	0.0E0	0.000	0.000
23.15	0.69	1.32	0.53	5.00	NoLiq	10.84	52.51	2.423	0.0E0	0.000	0.000
23.10	0.69	1.32	0.53	5.00	NoLiq	10.84	52.52	2.423	0.0E0	0.000	0.000
23.05	0.69	1.32	0.53	5.00	NoLiq	10.85	52.53	2.422	0.0E0	0.000	0.000
23.00	0.69	1.32	0.53	5.00	NoLiq	10.85	52.53	2.422	0.0E0	0.000	0.000
22.95	0.69	1.32	0.53	5.00	NoLiq	10.85	52.54	2.421	0.0E0	0.000	0.000
22.90	0.69	1.32	0.53	5.00	NoLiq	10.86	52.55	2.421	0.0E0	0.000	0.000
22.85	0.69	1.32	0.53	5.00	NoLiq	10.86	52.55	2.421	0.0E0	0.000	0.000
22.80	0.69	1.32	0.53	5.00	NoLiq	10.86	52.56	2.420	0.0E0	0.000	0.000
22.75	0.69	1.32	0.53	5.00	NoLiq	10.87	52.57	2.420	0.0E0	0.000	0.000
22.70	0.69	1.32	0.53	5.00	NoLiq	10.87	52.58	2.419	0.0E0	0.000	0.000
22.65	0.69	1.32	0.53	5.00	NoLiq	10.87	52.58	2.419	0.0E0	0.000	0.000
22.60	0.69	1.32	0.53	5.00	NoLiq	10.88	52.59	2.418	0.0E0	0.000	0.000
22.55	0.69	1.32	0.53	5.00	NoLiq	10.88	52.60	2.418	0.0E0	0.000	0.000
22.50	0.69	1.32	0.53	5.00	NoLiq	10.88	52.61	2.418	0.0E0	0.000	0.000
22.45	0.69	1.32	0.53	5.00	NoLiq	10.88	52.61	2.417	0.0E0	0.000	0.000
22.40	0.69	1.32	0.53	5.00	NoLiq	10.89	52.62	2.417	0.0E0	0.000	0.000
22.35	0.69	1.32	0.53	5.00	NoLiq	10.89	52.63	2.416	0.0E0	0.000	0.000
22.30	0.69	1.32	0.53	5.00	NoLiq	10.89	52.64	2.416	0.0E0	0.000	0.000
22.25	0.69	1.32	0.53	5.00	NoLiq	10.90	52.64	2.415	0.0E0	0.000	0.000
22.20	0.69	1.32	0.53	5.00	NoLiq	10.90	52.65	2.415	0.0E0	0.000	0.000
22.15	0.69	1.32	0.53	5.00	NoLiq	10.90	52.66	2.415	0.0E0	0.000	0.000
22.10	0.69	1.32	0.53	5.00	NoLiq	10.91	52.67	2.414	0.0E0	0.000	0.000
22.05	0.69	1.32	0.53	5.00	NoLiq	10.91	52.67	2.414	0.0E0	0.000	0.000
22.00	0.69	1.32	0.53	5.00	NoLiq	10.91	52.68	2.413	0.0E0	0.000	0.000
21.95	0.69	1.32	0.53	5.00	NoLiq	10.92	52.69	2.413	0.0E0	0.000	0.000
21.90	0.69	1.32	0.53	5.00	NoLiq	10.92	52.70	2.412	0.0E0	0.000	0.000
21.85	0.69	1.32	0.53	5.00	NoLiq	10.92	52.70	2.412	0.0E0	0.000	0.000
21.80	0.69	1.32	0.53	5.00	NoLiq	10.93	52.71	2.412	0.0E0	0.000	0.000
21.75	0.69	1.32	0.53	5.00	NoLiq	10.93	52.72	2.411	0.0E0	0.000	0.000
21.70	0.69	1.32	0.53	5.00	NoLiq	10.93	52.73	2.411	0.0E0	0.000	0.000
21.65	0.69	1.32	0.53	5.00	NoLiq	10.94	52.73	2.410	0.0E0	0.000	0.000
21.60	0.69	1.32	0.53	5.00	NoLiq	10.94	52.74	2.410	0.0E0	0.000	0.000
21.55	0.69	1.32	0.53	5.00	NoLiq	10.94	52.75	2.409	0.0E0	0.000	0.000
21.50	0.69	1.32	0.53	5.00	NoLiq	10.95	52.76	2.409	0.0E0	0.000	0.000
21.45	0.69	1.32	0.53	5.00	NoLiq	10.95	52.76	2.409	0.0E0	0.000	0.000
21.40	0.69	1.32	0.53	5.00	NoLiq	10.95	52.77	2.408	0.0E0	0.000	0.000
21.35	0.69	1.32	0.53	5.00	NoLiq	10.96	52.78	2.408	0.0E0	0.000	0.000
21.30	0.69	1.32	0.53	5.00	NoLiq	10.96	52.79	2.407	0.0E0	0.000	0.000
21.25	0.69	1.32	0.53	5.00	NoLiq	10.96	52.79	2.407	0.0E0	0.000	0.000
21.20	0.69	1.32	0.53	5.00	NoLiq	10.97	52.80	2.406	0.0E0	0.000	0.000
21.15	0.69	1.32	0.53	5.00	NoLiq	10.97	52.81	2.406	0.0E0	0.000	0.000
21.10	0.69	1.32	0.53	5.00	NoLiq	10.97	52.82	2.406	0.0E0	0.000	0.000
21.05	0.69	1.32	0.53	5.00	NoLiq	10.98	52.82	2.405	0.0E0	0.000	0.000
21.00	0.69	1.32	0.53	5.00	NoLiq	10.98	52.84	2.404	0.0E0	0.000	0.000
20.95	0.69	1.32	0.53	5.00	NoLiq	10.99	52.86	2.403	0.0E0	0.000	0.000
20.90	0.69	1.32	0.53	5.00	NoLiq	11.00	52.87	2.402	0.0E0	0.000	0.000
20.85	0.69	1.32	0.53	5.00	NoLiq	11.00	52.89	2.401	0.0E0	0.000	0.000
20.80	0.69	1.32	0.53	5.00	NoLiq	11.01	52.90	2.401	0.0E0	0.000	0.000
20.75	0.69	1.32	0.53	5.00	NoLiq	11.02	52.92	2.400	0.0E0	0.000	0.000
20.70	0.69	1.32	0.53	5.00	NoLiq	11.03	52.94	2.399	0.0E0	0.000	0.000
20.65	0.69	1.32	0.53	5.00	NoLiq	11.03	52.95	2.398	0.0E0	0.000	0.000
20.60	0.69	1.32	0.53	5.00	NoLiq	11.04	52.97	2.397	0.0E0	0.000	0.000
20.55	0.69	1.32	0.53	5.00	NoLiq	11.05	52.98	2.396	0.0E0	0.000	0.000
20.50	0.69	1.32	0.53	5.00	NoLiq	11.05	53.00	2.395	0.0E0	0.000	0.000
20.45	0.69	1.32	0.53	5.00	NoLiq	11.06	53.02	2.394	0.0E0	0.000	0.000
20.40	0.69	1.32	0.53	5.00	NoLiq	11.07	53.03	2.393	0.0E0	0.000	0.000
20.35	0.69	1.32	0.53	5.00	NoLiq	11.08	53.05	2.392	0.0E0	0.000	0.000
20.30	0.69	1.32	0.53	5.00	NoLiq	11.08	53.06	2.391	0.0E0	0.000	0.000
20.25	0.69	1.32	0.53	5.00	NoLiq	11.09	53.08	2.390	0.0E0	0.000	0.000
20.20	0.69	1.32	0.53	5.00	NoLiq	11.10	53.10	2.389	0.0E0	0.000	0.000
20.15	0.69	1.32	0.53	5.00	NoLiq	11.10	53.11	2.388	0.0E0	0.000	0.000

20.10	0.69	1.32	0.53	5.00	NoLiq	11.11	53.13	2.387	0.0E0	0.000	0.000
20.05	0.69	1.32	0.53	5.00	NoLiq	11.12	53.15	2.386	0.0E0	0.000	0.000
20.00	0.69	1.32	0.53	0.23	NoLiq	11.13	53.16	2.385	0.0E0	0.000	0.000
19.95	0.69	1.32	0.53	0.23	99.99	11.34	53.64	2.358	1.4E-2	0.014	0.014
19.90	0.69	1.32	0.53	0.24	98.98	11.55	54.12	2.330	1.4E-2	0.014	0.028
19.85	0.69	1.32	0.53	0.24	97.97	11.76	54.59	2.302	1.4E-2	0.014	0.042
19.80	0.69	1.32	0.53	0.25	96.96	11.98	55.06	2.274	1.4E-2	0.014	0.056
19.75	0.69	1.32	0.53	0.25	95.95	12.19	55.52	2.245	1.3E-2	0.013	0.069
19.70	0.70	1.32	0.53	0.25	94.94	12.41	55.98	2.217	1.3E-2	0.013	0.082
19.65	0.70	1.32	0.53	0.26	93.93	12.62	56.44	2.189	1.3E-2	0.013	0.095
19.60	0.70	1.32	0.53	0.26	92.92	12.84	56.90	2.161	1.3E-2	0.013	0.108
19.55	0.70	1.32	0.53	0.27	91.91	13.05	57.35	2.132	1.3E-2	0.013	0.121
19.50	0.70	1.32	0.53	0.27	90.90	13.27	57.80	2.104	1.3E-2	0.013	0.134
19.45	0.70	1.32	0.53	0.28	89.89	13.49	58.25	2.075	1.2E-2	0.012	0.146
19.40	0.70	1.32	0.53	0.28	88.88	13.70	58.69	2.047	1.2E-2	0.012	0.159
19.35	0.70	1.32	0.53	0.29	87.87	13.92	59.14	2.018	1.2E-2	0.012	0.171
19.30	0.70	1.32	0.53	0.29	86.86	14.14	59.58	1.993	1.2E-2	0.012	0.183
19.25	0.70	1.32	0.53	0.29	85.85	14.36	60.02	1.975	1.2E-2	0.012	0.195
19.20	0.70	1.32	0.53	0.30	84.84	14.58	60.45	1.956	1.2E-2	0.012	0.206
19.15	0.70	1.32	0.53	0.30	83.83	14.80	60.89	1.938	1.2E-2	0.012	0.218
19.10	0.70	1.32	0.53	0.31	82.82	15.02	61.32	1.919	1.2E-2	0.012	0.229
19.05	0.70	1.32	0.53	0.31	81.81	15.24	61.75	1.901	1.1E-2	0.011	0.241
19.00	0.70	1.32	0.53	0.32	80.80	15.47	62.18	1.882	1.1E-2	0.011	0.252
18.95	0.70	1.32	0.53	0.32	79.79	15.69	62.61	1.864	1.1E-2	0.011	0.263
18.90	0.70	1.32	0.53	0.33	78.78	15.91	63.03	1.845	1.1E-2	0.011	0.274
18.85	0.70	1.32	0.53	0.33	77.77	16.13	63.46	1.826	1.1E-2	0.011	0.285
18.80	0.70	1.32	0.53	0.34	76.76	16.36	63.88	1.807	1.1E-2	0.011	0.296
18.75	0.70	1.32	0.53	0.34	75.75	16.58	64.30	1.789	1.1E-2	0.011	0.307
18.70	0.70	1.32	0.53	0.34	74.74	16.81	64.72	1.770	1.1E-2	0.011	0.317
18.65	0.70	1.32	0.53	0.35	73.73	17.04	65.14	1.751	1.1E-2	0.011	0.328
18.60	0.70	1.32	0.53	0.35	72.72	17.26	65.56	1.732	1.0E-2	0.010	0.338
18.55	0.70	1.32	0.53	0.36	71.71	17.49	65.98	1.713	1.0E-2	0.010	0.349
18.50	0.70	1.32	0.53	0.36	70.70	17.72	66.40	1.694	1.0E-2	0.010	0.359
18.45	0.70	1.32	0.53	0.37	69.69	17.95	66.82	1.674	1.0E-2	0.010	0.369
18.40	0.70	1.32	0.53	0.37	68.68	18.18	67.24	1.655	9.9E-3	0.010	0.379
18.35	0.70	1.32	0.53	0.38	67.67	18.41	67.66	1.636	9.8E-3	0.010	0.389
18.30	0.70	1.32	0.53	0.38	66.66	18.64	68.08	1.617	9.7E-3	0.010	0.398
18.25	0.70	1.32	0.53	0.39	65.65	18.87	68.49	1.597	9.6E-3	0.010	0.408
18.20	0.69	1.32	0.53	0.39	64.64	19.10	68.91	1.578	9.5E-3	0.009	0.417
18.15	0.69	1.32	0.53	0.40	63.63	19.33	69.33	1.559	9.4E-3	0.009	0.427
18.10	0.69	1.32	0.53	0.40	62.62	19.56	69.75	1.539	9.2E-3	0.009	0.436
18.05	0.69	1.32	0.53	0.41	61.61	19.80	70.17	1.520	9.1E-3	0.009	0.445
18.00	0.69	1.32	0.53	0.41	60.60	20.03	70.59	1.500	9.0E-3	0.009	0.454
17.95	0.69	1.32	0.53	0.42	59.59	20.27	71.02	1.485	8.9E-3	0.009	0.463
17.90	0.69	1.32	0.53	0.42	58.58	20.50	71.44	1.471	8.8E-3	0.009	0.472
17.85	0.69	1.32	0.53	0.43	57.57	20.74	71.86	1.456	8.7E-3	0.009	0.481
17.80	0.69	1.32	0.53	0.43	56.56	20.97	72.29	1.441	8.6E-3	0.009	0.489
17.75	0.69	1.32	0.53	0.44	55.55	21.21	72.72	1.426	8.6E-3	0.009	0.498
17.70	0.69	1.32	0.53	0.44	54.54	21.45	73.15	1.411	8.5E-3	0.008	0.506
17.65	0.69	1.32	0.53	0.45	53.53	21.69	73.58	1.397	8.4E-3	0.008	0.515
17.60	0.69	1.32	0.53	0.45	52.52	21.93	74.01	1.382	8.3E-3	0.008	0.523
17.55	0.69	1.32	0.53	0.46	51.51	22.17	74.45	1.367	8.2E-3	0.008	0.531
17.50	0.69	1.32	0.53	0.47	50.50	22.41	74.89	1.352	8.1E-3	0.008	0.539
17.45	0.69	1.32	0.53	0.47	49.49	22.65	75.33	1.337	8.0E-3	0.008	0.547
17.40	0.69	1.32	0.53	0.48	48.48	22.89	75.77	1.321	7.9E-3	0.008	0.555
17.35	0.69	1.32	0.53	0.48	47.47	23.13	76.22	1.306	7.8E-3	0.008	0.563
17.30	0.69	1.32	0.53	0.49	46.46	23.38	76.66	1.291	7.7E-3	0.008	0.571
17.25	0.69	1.32	0.53	0.50	45.45	23.62	77.12	1.276	7.7E-3	0.008	0.578
17.20	0.69	1.32	0.53	0.50	44.44	23.86	77.57	1.261	7.6E-3	0.008	0.586
17.15	0.69	1.32	0.53	0.51	43.43	24.11	78.03	1.245	7.5E-3	0.007	0.593
17.10	0.69	1.32	0.53	0.52	42.42	24.35	78.49	1.230	7.4E-3	0.007	0.601
17.05	0.69	1.32	0.53	0.53	41.41	24.60	78.96	1.214	7.3E-3	0.007	0.608
17.00	0.69	1.32	0.53	0.53	40.40	24.85	79.43	1.199	7.2E-3	0.007	0.615
16.95	0.69	1.32	0.53	0.54	39.39	25.10	79.90	1.184	7.1E-3	0.007	0.622
16.90	0.69	1.32	0.53	0.55	38.38	25.35	80.38	1.168	7.0E-3	0.007	0.629
16.85	0.69	1.32	0.53	0.56	37.37	25.59	80.86	1.152	6.9E-3	0.007	0.636
16.80	0.69	1.32	0.53	0.56	36.36	25.84	81.35	1.137	6.8E-3	0.007	0.643
16.75	0.69	1.32	0.53	0.57	35.35	26.10	81.84	1.121	6.7E-3	0.007	0.650
16.70	0.69	1.32	0.53	0.57	34.34	26.14	81.93	1.118	6.7E-3	0.007	0.657
16.65	0.69	1.32	0.53	0.58	33.33	26.18	82.01	1.116	6.7E-3	0.007	0.663
16.60	0.69	1.32	0.53	0.58	32.32	26.22	82.09	1.113	6.7E-3	0.007	0.670
16.55	0.69	1.32	0.53	0.58	31.31	26.25	82.16	1.111	6.7E-3	0.007	0.677
16.50	0.69	1.32	0.53	0.58	30.30	26.28	82.21	1.110	6.7E-3	0.007	0.683

16.45	0.69	1.32	0.53	0.58	29.29	26.30	82.26	1.108	6.6E-3	0.007	0.690
16.40	0.69	1.32	0.53	0.58	28.28	26.32	82.29	1.107	6.6E-3	0.007	0.697
16.35	0.69	1.32	0.53	0.58	27.27	26.33	82.30	1.107	6.6E-3	0.007	0.703
16.30	0.69	1.32	0.53	0.58	26.26	26.33	82.31	1.107	6.6E-3	0.007	0.710
16.25	0.69	1.32	0.53	0.58	25.25	26.32	82.29	1.107	6.6E-3	0.007	0.716
16.20	0.69	1.32	0.53	0.58	24.24	26.30	82.26	1.108	6.6E-3	0.007	0.723
16.15	0.69	1.32	0.53	0.58	23.23	26.28	82.20	1.110	6.7E-3	0.007	0.730
16.10	0.69	1.32	0.53	0.58	22.22	26.24	82.12	1.112	6.7E-3	0.007	0.736
16.05	0.69	1.32	0.53	0.58	21.21	26.18	82.02	1.116	6.7E-3	0.007	0.743
16.00	0.69	1.32	0.53	0.58	20.20	26.12	81.89	1.120	6.7E-3	0.007	0.750
15.95	0.69	1.32	0.53	0.57	19.19	26.03	81.72	1.125	6.7E-3	0.007	0.757
15.90	0.69	1.32	0.52	0.57	18.18	25.93	81.52	1.131	6.8E-3	0.007	0.763
15.85	0.69	1.32	0.52	0.56	17.17	25.81	81.29	1.139	6.8E-3	0.007	0.770
15.80	0.69	1.32	0.52	0.56	16.16	25.67	81.01	1.148	6.9E-3	0.007	0.777
15.75	0.69	1.32	0.52	0.55	15.15	25.50	80.69	1.158	6.9E-3	0.007	0.784
15.70	0.69	1.32	0.52	0.55	14.14	25.32	80.32	1.170	7.0E-3	0.007	0.791
15.65	0.69	1.32	0.52	0.54	13.13	25.11	79.92	1.183	7.1E-3	0.007	0.798
15.60	0.69	1.32	0.52	0.54	12.12	24.88	79.49	1.197	7.2E-3	0.007	0.805
15.55	0.69	1.32	0.52	0.53	11.11	24.65	79.05	1.212	7.3E-3	0.007	0.813
15.50	0.69	1.32	0.52	0.52	10.10	24.42	78.62	1.226	7.4E-3	0.007	0.820
15.45	0.69	1.32	0.52	0.52	9.09	24.22	78.25	1.238	7.4E-3	0.007	0.827
15.40	0.69	1.32	0.52	0.51	8.08	24.08	77.98	1.247	7.5E-3	0.007	0.835
15.35	0.69	1.32	0.52	0.51	7.07	24.03	77.88	1.250	7.5E-3	0.008	0.842
15.30	0.69	1.32	0.52	0.51	6.06	24.07	77.95	1.248	7.5E-3	0.007	0.850
15.25	0.69	1.32	0.52	0.52	5.05	24.18	78.17	1.241	7.4E-3	0.007	0.857
15.20	0.69	1.32	0.52	0.52	4.04	24.38	78.53	1.229	7.4E-3	0.007	0.865
15.15	0.69	1.32	0.52	0.53	3.03	24.61	78.97	1.214	7.3E-3	0.007	0.872
15.10	0.69	1.32	0.52	0.53	2.02	24.84	79.41	1.200	7.2E-3	0.007	0.879
15.05	0.69	1.32	0.52	0.54	1.01	25.07	79.85	1.185	7.1E-3	0.007	0.886
15.00	0.69	1.32	0.52	0.55	0.00	25.30	80.29	1.171	7.0E-3	0.007	0.893
14.95	0.69	1.32	0.52	0.55	0.00	25.34	80.37	1.168	7.0E-3	0.007	0.900
14.90	0.69	1.32	0.52	0.55	0.00	25.38	80.44	1.166	7.0E-3	0.007	0.907
14.85	0.69	1.32	0.52	0.55	0.00	25.41	80.52	1.164	7.0E-3	0.007	0.914
14.80	0.69	1.32	0.52	0.55	0.00	25.45	80.59	1.161	7.0E-3	0.007	0.921
14.75	0.69	1.32	0.52	0.48	0.00	22.81	75.62	1.326	8.0E-3	0.008	0.929
14.70	0.69	1.32	0.52	0.48	0.00	22.84	75.69	1.324	7.9E-3	0.008	0.937
14.65	0.69	1.32	0.52	0.48	0.00	22.88	75.75	1.322	7.9E-3	0.008	0.945
14.60	0.69	1.32	0.52	0.48	0.00	22.92	75.82	1.320	7.9E-3	0.008	0.953
14.55	0.69	1.32	0.52	0.48	0.00	22.95	75.88	1.318	7.9E-3	0.008	0.961
14.50	0.69	1.32	0.52	0.48	0.00	22.99	75.95	1.315	7.9E-3	0.008	0.969
14.45	0.69	1.32	0.52	0.49	0.00	23.02	76.02	1.313	7.9E-3	0.008	0.977
14.40	0.69	1.32	0.52	0.49	0.00	23.06	76.08	1.311	7.9E-3	0.008	0.985
14.35	0.69	1.32	0.52	0.49	0.00	23.10	76.15	1.308	7.9E-3	0.008	0.992
14.30	0.69	1.32	0.52	0.49	0.00	23.13	76.22	1.306	7.8E-3	0.008	1.000
14.25	0.69	1.32	0.52	0.49	0.00	23.17	76.29	1.304	7.8E-3	0.008	1.008
14.20	0.69	1.32	0.52	0.49	0.00	23.21	76.36	1.302	7.8E-3	0.008	1.016
14.15	0.69	1.32	0.52	0.49	0.00	23.25	76.43	1.299	7.8E-3	0.008	1.024
14.10	0.69	1.32	0.52	0.49	0.00	23.28	76.49	1.297	7.8E-3	0.008	1.031
14.05	0.69	1.32	0.52	0.49	0.00	23.32	76.57	1.294	7.8E-3	0.008	1.039
14.00	0.69	1.32	0.52	0.49	0.00	23.36	76.64	1.292	7.8E-3	0.008	1.047
13.95	0.69	1.32	0.52	0.50	0.00	23.40	76.71	1.290	7.7E-3	0.008	1.055
13.90	0.69	1.32	0.52	0.50	0.00	23.44	76.78	1.287	7.7E-3	0.008	1.062
13.85	0.69	1.32	0.52	0.50	0.00	23.48	76.85	1.285	7.7E-3	0.008	1.070
13.80	0.69	1.32	0.52	0.50	0.00	23.52	76.92	1.282	7.7E-3	0.008	1.078
13.75	0.69	1.32	0.52	0.50	0.00	23.55	77.00	1.280	7.7E-3	0.008	1.086
13.70	0.69	1.32	0.52	0.50	0.00	23.59	77.07	1.277	7.7E-3	0.008	1.093
13.65	0.69	1.32	0.52	0.50	0.00	23.63	77.15	1.275	7.6E-3	0.008	1.101
13.60	0.69	1.32	0.52	0.50	0.00	23.67	77.22	1.272	7.6E-3	0.008	1.108
13.55	0.69	1.32	0.52	0.50	0.00	23.71	77.30	1.270	7.6E-3	0.008	1.116
13.50	0.69	1.32	0.52	0.51	0.00	23.76	77.37	1.267	7.6E-3	0.008	1.124
13.45	0.69	1.32	0.52	0.51	0.00	23.80	77.45	1.265	7.6E-3	0.008	1.131
13.40	0.69	1.32	0.52	0.51	0.00	23.84	77.52	1.262	7.6E-3	0.008	1.139
13.35	0.69	1.32	0.52	0.51	0.00	23.88	77.60	1.260	7.6E-3	0.008	1.146
13.30	0.69	1.32	0.52	0.51	0.00	23.92	77.68	1.257	7.5E-3	0.008	1.154
13.25	0.69	1.32	0.52	0.51	0.00	23.96	77.76	1.254	7.5E-3	0.008	1.162
13.20	0.69	1.32	0.52	0.51	0.00	24.01	77.84	1.252	7.5E-3	0.008	1.169
13.15	0.69	1.32	0.52	0.51	0.00	24.05	77.92	1.249	7.5E-3	0.007	1.177
13.10	0.69	1.32	0.52	0.52	0.00	24.09	78.00	1.246	7.5E-3	0.007	1.184
13.05	0.69	1.32	0.52	0.52	0.00	24.13	78.08	1.244	7.5E-3	0.007	1.191
13.00	0.69	1.32	0.52	0.52	0.00	24.18	78.16	1.241	7.4E-3	0.007	1.199
12.95	0.69	1.32	0.52	0.52	0.00	24.22	78.24	1.238	7.4E-3	0.007	1.206
12.90	0.69	1.32	0.52	0.52	0.00	24.27	78.33	1.235	7.4E-3	0.007	1.214
12.85	0.69	1.32	0.52	0.52	0.00	24.31	78.41	1.233	7.4E-3	0.007	1.221

12.80	0.69	1.32	0.52	0.52	0.00	24.36	78.49	1.230	7.4E-3	0.007	1.229
12.75	0.69	1.32	0.52	0.53	0.00	24.40	78.58	1.227	7.4E-3	0.007	1.236
12.70	0.69	1.32	0.52	0.53	0.00	24.45	78.66	1.224	7.3E-3	0.007	1.243
12.65	0.69	1.32	0.52	0.53	0.00	24.49	78.75	1.221	7.3E-3	0.007	1.251
12.60	0.69	1.32	0.52	0.53	0.00	24.54	78.84	1.219	7.3E-3	0.007	1.258
12.55	0.69	1.32	0.52	0.53	0.00	24.58	78.92	1.216	7.3E-3	0.007	1.265
12.50	0.69	1.32	0.52	0.53	0.00	24.63	79.01	1.213	7.3E-3	0.007	1.272
12.45	0.69	1.32	0.52	0.53	0.00	24.68	79.10	1.210	7.3E-3	0.007	1.280
12.40	0.69	1.32	0.52	0.54	0.00	24.72	79.19	1.207	7.2E-3	0.007	1.287
12.35	0.69	1.32	0.52	0.54	0.00	24.77	79.28	1.204	7.2E-3	0.007	1.294
12.30	0.69	1.32	0.52	0.54	0.00	24.82	79.37	1.201	7.2E-3	0.007	1.301
12.25	0.69	1.32	0.52	0.54	0.00	24.87	79.46	1.198	7.2E-3	0.007	1.309
12.20	0.69	1.32	0.52	0.54	0.00	24.92	79.56	1.195	7.2E-3	0.007	1.316
12.15	0.69	1.32	0.52	0.54	0.00	24.96	79.65	1.192	7.2E-3	0.007	1.323
12.10	0.69	1.32	0.52	0.54	0.00	25.01	79.75	1.189	7.1E-3	0.007	1.330
12.05	0.69	1.32	0.52	0.55	0.00	25.06	79.84	1.186	7.1E-3	0.007	1.337
12.00	0.69	1.32	0.52	0.55	0.00	25.11	79.94	1.182	7.1E-3	0.007	1.344
11.95	0.69	1.32	0.52	0.55	0.00	25.16	80.03	1.179	7.1E-3	0.007	1.351
11.90	0.69	1.32	0.52	0.55	0.00	25.21	80.13	1.176	7.1E-3	0.007	1.358
11.85	0.69	1.32	0.52	0.55	0.00	25.27	80.23	1.173	7.0E-3	0.007	1.365
11.80	0.69	1.32	0.52	0.55	0.00	25.32	80.33	1.170	7.0E-3	0.007	1.372
11.75	0.69	1.32	0.52	0.56	0.00	25.37	80.43	1.167	7.0E-3	0.007	1.379
11.70	0.69	1.32	0.52	0.56	0.00	25.42	80.53	1.163	7.0E-3	0.007	1.386
11.65	0.69	1.32	0.52	0.56	0.00	25.47	80.63	1.160	7.0E-3	0.007	1.393
11.60	0.69	1.32	0.52	0.56	0.00	25.53	80.73	1.157	6.9E-3	0.007	1.400
11.55	0.69	1.32	0.52	0.56	0.00	25.58	80.84	1.153	6.9E-3	0.007	1.407
11.50	0.69	1.32	0.52	0.56	0.00	25.63	80.94	1.150	6.9E-3	0.007	1.414
11.45	0.69	1.32	0.52	0.57	0.00	25.69	81.05	1.147	6.9E-3	0.007	1.421
11.40	0.69	1.32	0.52	0.57	0.00	25.74	81.15	1.143	6.9E-3	0.007	1.428
11.35	0.69	1.32	0.52	0.57	0.00	25.80	81.26	1.140	6.8E-3	0.007	1.435
11.30	0.69	1.32	0.52	0.57	0.00	25.85	81.37	1.136	6.8E-3	0.007	1.441
11.25	0.69	1.32	0.52	0.57	0.00	25.91	81.48	1.133	6.8E-3	0.007	1.448
11.20	0.69	1.32	0.52	0.58	0.00	25.96	81.59	1.129	6.8E-3	0.007	1.455
11.15	0.69	1.32	0.52	0.58	0.00	26.02	81.70	1.126	6.8E-3	0.007	1.462
11.10	0.69	1.32	0.52	0.58	0.00	26.08	81.81	1.122	6.7E-3	0.007	1.469
11.05	0.69	1.32	0.52	0.58	0.00	26.14	81.92	1.119	6.7E-3	0.007	1.475
11.00	0.69	1.32	0.52	0.58	0.00	26.19	82.04	1.115	6.7E-3	0.007	1.482
10.95	0.69	1.32	0.52	0.59	0.00	26.25	82.15	1.111	6.7E-3	0.007	1.489
10.90	0.69	1.32	0.52	0.59	0.00	26.31	82.27	1.108	6.6E-3	0.007	1.495
10.85	0.69	1.32	0.52	0.59	0.00	26.37	82.39	1.104	6.6E-3	0.007	1.502
10.80	0.69	1.32	0.52	0.59	0.00	26.43	82.51	1.100	6.6E-3	0.007	1.508
10.75	0.69	1.32	0.52	0.59	0.00	26.49	82.63	1.096	6.6E-3	0.007	1.515
10.70	0.69	1.32	0.52	0.60	0.00	26.55	82.75	1.093	6.6E-3	0.007	1.522
10.65	0.69	1.32	0.52	0.60	0.00	26.61	82.87	1.089	6.5E-3	0.007	1.528
10.60	0.69	1.32	0.52	0.60	0.00	26.68	83.00	1.085	6.5E-3	0.007	1.535
10.55	0.69	1.32	0.52	0.60	0.00	26.74	83.12	1.081	6.5E-3	0.006	1.541
10.50	0.69	1.32	0.52	0.61	0.00	26.80	83.25	1.077	6.5E-3	0.006	1.548
10.45	0.69	1.32	0.52	0.61	0.00	26.86	83.38	1.073	6.4E-3	0.006	1.554
10.40	0.69	1.32	0.52	0.61	0.00	26.93	83.50	1.069	6.4E-3	0.006	1.560
10.35	0.69	1.32	0.52	0.61	0.00	26.99	83.63	1.065	6.4E-3	0.006	1.567
10.30	0.69	1.32	0.52	0.62	0.00	27.06	83.77	1.061	6.4E-3	0.006	1.573
10.25	0.69	1.32	0.52	0.62	0.00	27.12	83.90	1.057	6.3E-3	0.006	1.580
10.20	0.69	1.32	0.52	0.62	0.00	27.19	84.03	1.053	6.3E-3	0.006	1.586
10.15	0.69	1.32	0.52	0.62	0.00	27.26	84.17	1.049	6.3E-3	0.006	1.592
10.10	0.69	1.32	0.52	0.63	0.00	27.32	84.31	1.044	6.3E-3	0.006	1.598
10.05	0.69	1.32	0.52	0.63	0.00	27.39	84.45	1.040	6.2E-3	0.006	1.605
10.00	0.69	1.32	0.52	0.63	0.00	27.46	84.59	1.036	6.2E-3	0.006	1.611

Settlement of Saturated Sands=1.611 in.
qc1 and (N1)60 is after fines correction in liquefaction analysis
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

Depth	sigma'	sigC'	(N1)60s	CSRsf	Gmax	g*Ge/Gm	g_eff	ec7.5	Cec	ec	dsz	dsp	S
ft	atm	atm			atm			%		%	in.	in.	in.

Settlement of Unsaturated Sands=0.000 in.
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=1.611 in.
Differential Settlement=0.805 to 1.063 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf(1 tsf = 1 ton/ft2 = 2 kip/ft2)
1 atm (atmosphere) = 101.325 kPa(1 kPa = 1 kN/m2 = 0.001 Mpa)

SPT	Field data from Standard Penetration Test (SPT)
BPT	Field data from Becker Penetration Test (BPT)
qc	Field data from Cone Penetration Test (CPT) [atm (tsf)]
fs	Friction from CPT testing [atm (tsf)]
Rf	Ratio of fs/qc (%)
gamma	Total unit weight of soil
gamma'	Effective unit weight of soil
Fines	Fines content [%]
D50	Mean grain size
Dr	Relative Density
sigma	Total vertical stress [atm]
sigma'	Effective vertical stress [atm]
sigC'	Effective confining pressure [atm]
rd	Acceleration reduction coefficient by Seed
a_max.	Peak Ground Acceleration (PGA) in ground surface
mZ	Linear acceleration reduction coefficient X depth
a_min.	Minimum acceleration under linear reduction, mZ
CRRv	CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
CRR7.5	Cyclic resistance ratio (M=7.5)
Ksig	Overburden stress correction factor for CRR7.5
CRRm	After magnitude scaling correction CRRm=CRRv * MSF
MSF	Magnitude scaling factor from M=7.5 to user input M
CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F.S.	Calculated factor of safety against liquefaction F.S.=CRRm/CSRsf
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT
qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1
qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement calculation CSRm=CSRsf / MSF*
CSRfs	Cyclic stress ratio induced by earthquake with user inputed fs
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2 of Page C.
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5

NoLiq No-Liquefy Soils

References:

1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T.L., and Idriss, I.M., eds., Technical Report NCEER 97-0022.

SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for
Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.

2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth
International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.

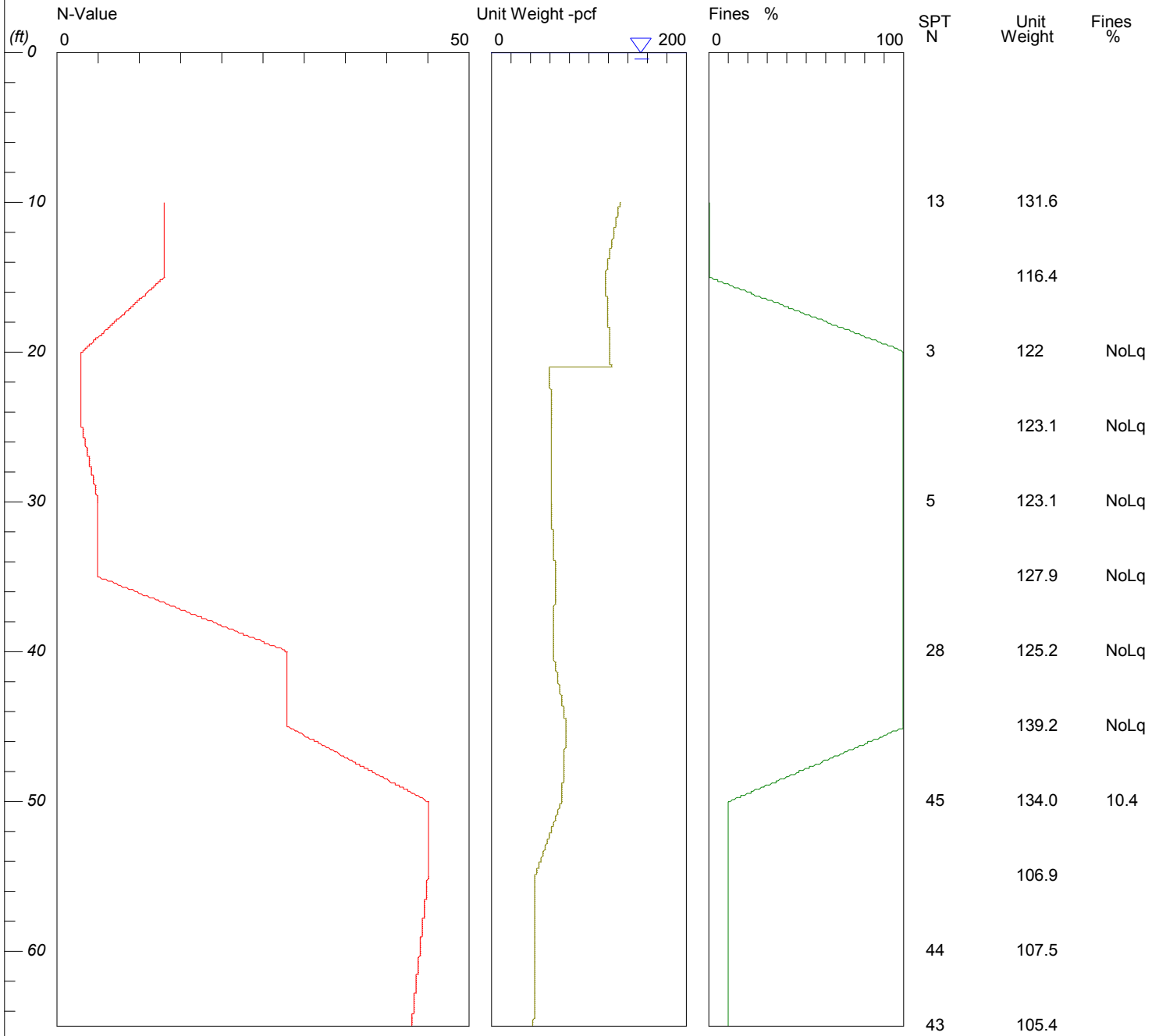
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center,
Report No. EERC 2003-06 by R.B Seed and etc. April 2003.

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-1-14 ***Water Depth=0 ft***

Magnitude=6.77
Acceleration=0.776g



SPT N	Unit Weight	Fines %
13	131.6	
	116.4	
3	122	NoLq
	123.1	NoLq
5	123.1	NoLq
	127.9	NoLq
28	125.2	NoLq
	139.2	NoLq
45	134.0	10.4
	106.9	
44	107.5	
43	105.4	

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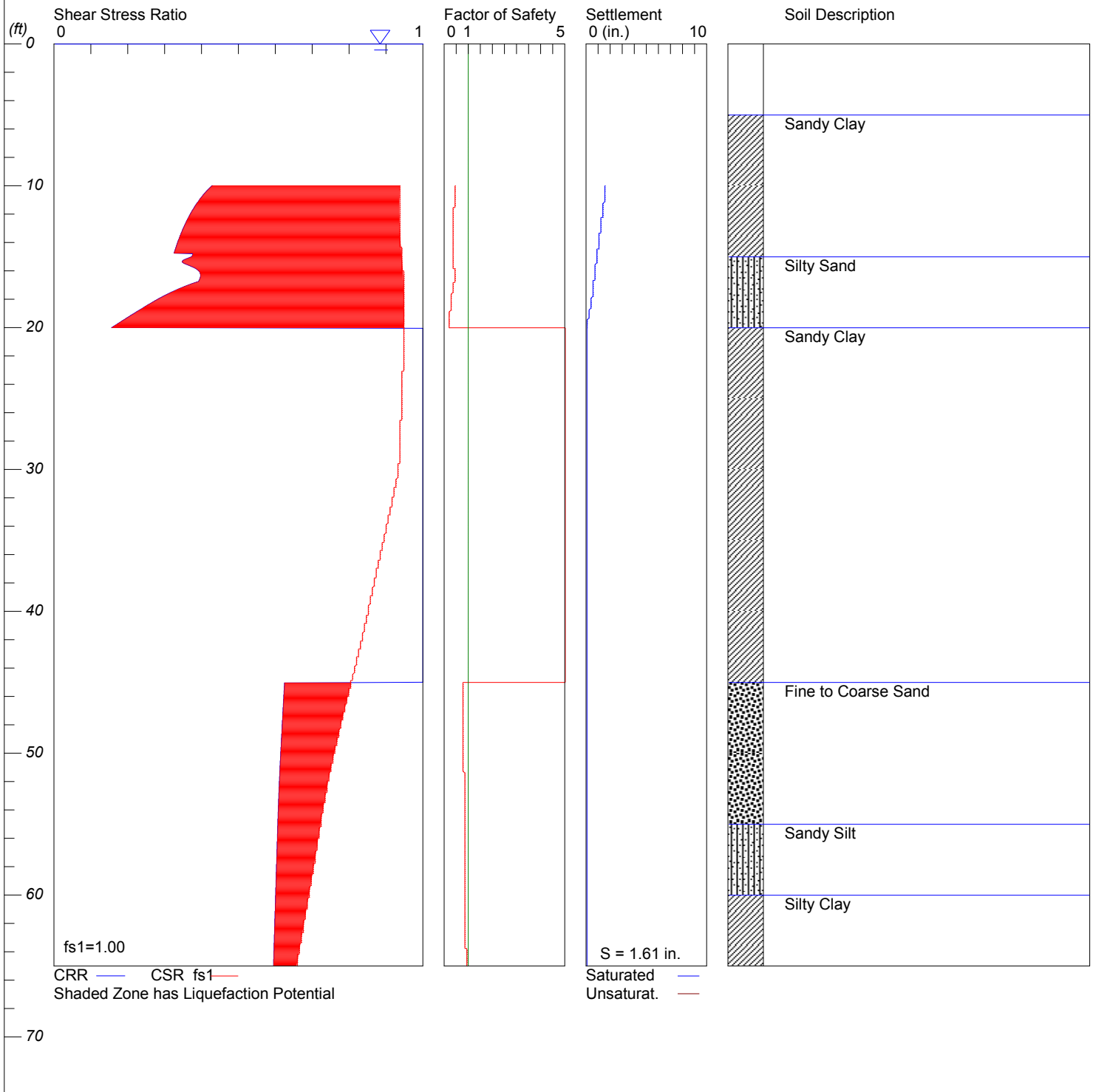
LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-1-14 ***Water Depth=0 ft***

Magnitude=6.77
Acceleration=0.776g



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Input File Name: C:\Users\jgurunathan\OneDrive\Work\Projects\6792A -- Sportsmens August 2018\Liquefaction\B-1-14 Full.liq
Title: Sportsmen's Lodge
Subtitle: Boring B-1-14 Analysis (Full PGAm)

Input Data:
Surface Elev.=
Hole No.=B-1-14
Depth of Hole=65.00 ft
Water Table during Earthquake= 0.00 ft
Water Table during In-Situ Testing= 21.00 ft
Max. Acceleration=0.78 g
Earthquake Magnitude=6.77
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Idriss/Seed
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.42
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.0
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
10.00	13.00	131.60	0.00
15.00	13.00	116.40	0.00
20.00	3.00	122.00	NoLiq
25.00	3.00	123.10	NoLiq
30.00	5.00	123.10	NoLiq
35.00	5.00	127.90	NoLiq
40.00	28.00	125.20	NoLiq
45.00	28.00	139.20	NoLiq
50.00	45.00	134.00	10.40
55.00	45.00	106.90	10.40
60.00	44.00	107.50	10.40
65.00	43.00	105.40	10.40

Output Results:
Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.78g

CSR Calculation:

Depth ft	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ g	a(z) g	CSR	x fs1	=CSRfs
10.00	131.60	0.622	69.20	0.327	0.98	0.000	0.776	0.94	1.00	0.94
10.05	131.45	0.625	69.05	0.329	0.98	0.000	0.776	0.94	1.00	0.94
10.10	131.30	0.628	68.90	0.330	0.98	0.000	0.776	0.94	1.00	0.94
10.15	131.14	0.631	68.74	0.332	0.98	0.000	0.776	0.94	1.00	0.94
10.20	130.99	0.634	68.59	0.334	0.98	0.000	0.776	0.94	1.00	0.94
10.25	130.84	0.637	68.44	0.335	0.98	0.000	0.776	0.94	1.00	0.94
10.30	130.69	0.640	68.29	0.337	0.98	0.000	0.776	0.94	1.00	0.94

10.35	130.54	0.644	68.14	0.338	0.98	0.000	0.776	0.94	1.00	0.94
10.40	130.38	0.647	67.98	0.340	0.98	0.000	0.776	0.94	1.00	0.94
10.45	130.23	0.650	67.83	0.342	0.98	0.000	0.776	0.94	1.00	0.94
10.50	130.08	0.653	67.68	0.343	0.98	0.000	0.776	0.94	1.00	0.94
10.55	129.93	0.656	67.53	0.345	0.98	0.000	0.776	0.94	1.00	0.94
10.60	129.78	0.659	67.38	0.346	0.98	0.000	0.776	0.94	1.00	0.94
10.65	129.62	0.662	67.22	0.348	0.98	0.000	0.776	0.94	1.00	0.94
10.70	129.47	0.665	67.07	0.350	0.98	0.000	0.776	0.94	1.00	0.94
10.75	129.32	0.668	66.92	0.351	0.97	0.000	0.776	0.94	1.00	0.94
10.80	129.17	0.671	66.77	0.353	0.97	0.000	0.776	0.94	1.00	0.94
10.85	129.02	0.674	66.62	0.354	0.97	0.000	0.776	0.94	1.00	0.94
10.90	128.86	0.677	66.46	0.356	0.97	0.000	0.776	0.94	1.00	0.94
10.95	128.71	0.680	66.31	0.357	0.97	0.000	0.776	0.94	1.00	0.94
11.00	128.56	0.683	66.16	0.359	0.97	0.000	0.776	0.94	1.00	0.94
11.05	128.41	0.686	66.01	0.361	0.97	0.000	0.776	0.94	1.00	0.94
11.10	128.26	0.689	65.86	0.362	0.97	0.000	0.776	0.94	1.00	0.94
11.15	128.10	0.692	65.70	0.364	0.97	0.000	0.776	0.94	1.00	0.94
11.20	127.95	0.696	65.55	0.365	0.97	0.000	0.776	0.94	1.00	0.94
11.25	127.80	0.699	65.40	0.367	0.97	0.000	0.776	0.94	1.00	0.94
11.30	127.65	0.702	65.25	0.368	0.97	0.000	0.776	0.94	1.00	0.94
11.35	127.50	0.705	65.10	0.370	0.97	0.000	0.776	0.94	1.00	0.94
11.40	127.34	0.708	64.94	0.371	0.97	0.000	0.776	0.94	1.00	0.94
11.45	127.19	0.711	64.79	0.373	0.97	0.000	0.776	0.94	1.00	0.94
11.50	127.04	0.714	64.64	0.374	0.97	0.000	0.776	0.94	1.00	0.94
11.55	126.89	0.717	64.49	0.376	0.97	0.000	0.776	0.94	1.00	0.94
11.60	126.74	0.720	64.34	0.378	0.97	0.000	0.776	0.94	1.00	0.94
11.65	126.58	0.723	64.18	0.379	0.97	0.000	0.776	0.94	1.00	0.94
11.70	126.43	0.726	64.03	0.381	0.97	0.000	0.776	0.94	1.00	0.94
11.75	126.28	0.729	63.88	0.382	0.97	0.000	0.776	0.94	1.00	0.94
11.80	126.13	0.732	63.73	0.384	0.97	0.000	0.776	0.94	1.00	0.94
11.85	125.98	0.735	63.58	0.385	0.97	0.000	0.776	0.94	1.00	0.94
11.90	125.82	0.737	63.42	0.387	0.97	0.000	0.776	0.94	1.00	0.94
11.95	125.67	0.740	63.27	0.388	0.97	0.000	0.776	0.94	1.00	0.94
12.00	125.52	0.743	63.12	0.390	0.97	0.000	0.776	0.94	1.00	0.94
12.05	125.37	0.746	62.97	0.391	0.97	0.000	0.776	0.94	1.00	0.94
12.10	125.22	0.749	62.82	0.393	0.97	0.000	0.776	0.94	1.00	0.94
12.15	125.06	0.752	62.66	0.394	0.97	0.000	0.776	0.94	1.00	0.94
12.20	124.91	0.755	62.51	0.396	0.97	0.000	0.776	0.94	1.00	0.94
12.25	124.76	0.758	62.36	0.397	0.97	0.000	0.776	0.94	1.00	0.94
12.30	124.61	0.761	62.21	0.398	0.97	0.000	0.776	0.94	1.00	0.94
12.35	124.46	0.764	62.06	0.400	0.97	0.000	0.776	0.94	1.00	0.94
12.40	124.30	0.767	61.90	0.401	0.97	0.000	0.776	0.94	1.00	0.94
12.45	124.15	0.770	61.75	0.403	0.97	0.000	0.776	0.94	1.00	0.94
12.50	124.00	0.773	61.60	0.404	0.97	0.000	0.776	0.94	1.00	0.94
12.55	123.85	0.776	61.45	0.406	0.97	0.000	0.776	0.94	1.00	0.94
12.60	123.70	0.779	61.30	0.407	0.97	0.000	0.776	0.94	1.00	0.94
12.65	123.54	0.782	61.14	0.409	0.97	0.000	0.776	0.94	1.00	0.94
12.70	123.39	0.785	60.99	0.410	0.97	0.000	0.776	0.94	1.00	0.94
12.75	123.24	0.788	60.84	0.412	0.97	0.000	0.776	0.94	1.00	0.94
12.80	123.09	0.790	60.69	0.413	0.97	0.000	0.776	0.94	1.00	0.94
12.85	122.94	0.793	60.54	0.414	0.97	0.000	0.776	0.94	1.00	0.94
12.90	122.78	0.796	60.38	0.416	0.97	0.000	0.776	0.94	1.00	0.94
12.95	122.63	0.799	60.23	0.417	0.97	0.000	0.776	0.94	1.00	0.94
13.00	122.48	0.802	60.08	0.419	0.97	0.000	0.776	0.94	1.00	0.94
13.05	122.33	0.805	59.93	0.420	0.97	0.000	0.776	0.94	1.00	0.94
13.10	122.18	0.808	59.78	0.422	0.97	0.000	0.776	0.94	1.00	0.94
13.15	122.02	0.811	59.62	0.423	0.97	0.000	0.776	0.94	1.00	0.94
13.20	121.87	0.814	59.47	0.424	0.97	0.000	0.776	0.94	1.00	0.94
13.25	121.72	0.817	59.32	0.426	0.97	0.000	0.776	0.94	1.00	0.94
13.30	121.57	0.819	59.17	0.427	0.97	0.000	0.776	0.94	1.00	0.94
13.35	121.42	0.822	59.02	0.429	0.97	0.000	0.776	0.94	1.00	0.94
13.40	121.26	0.825	58.86	0.430	0.97	0.000	0.776	0.94	1.00	0.94
13.45	121.11	0.828	58.71	0.431	0.97	0.000	0.776	0.94	1.00	0.94
13.50	120.96	0.831	58.56	0.433	0.97	0.000	0.776	0.94	1.00	0.94
13.55	120.81	0.834	58.41	0.434	0.97	0.000	0.776	0.94	1.00	0.94
13.60	120.66	0.837	58.26	0.436	0.97	0.000	0.776	0.94	1.00	0.94
13.65	120.50	0.839	58.10	0.437	0.97	0.000	0.776	0.94	1.00	0.94
13.70	120.35	0.842	57.95	0.438	0.97	0.000	0.776	0.94	1.00	0.94
13.75	120.20	0.845	57.80	0.440	0.97	0.000	0.776	0.94	1.00	0.94
13.80	120.05	0.848	57.65	0.441	0.97	0.000	0.776	0.94	1.00	0.94
13.85	119.90	0.851	57.50	0.442	0.97	0.000	0.776	0.94	1.00	0.94
13.90	119.74	0.854	57.34	0.444	0.97	0.000	0.776	0.94	1.00	0.94
13.95	119.59	0.856	57.19	0.445	0.97	0.000	0.776	0.94	1.00	0.94

14.00	119.44	0.859	57.04	0.446	0.97	0.000	0.776	0.94	1.00	0.94
14.05	119.29	0.862	56.89	0.448	0.97	0.000	0.776	0.94	1.00	0.94
14.10	119.14	0.865	56.74	0.449	0.97	0.000	0.776	0.94	1.00	0.94
14.15	118.98	0.868	56.58	0.450	0.97	0.000	0.776	0.94	1.00	0.94
14.20	118.83	0.871	56.43	0.452	0.97	0.000	0.776	0.94	1.00	0.94
14.25	118.68	0.873	56.28	0.453	0.97	0.000	0.776	0.94	1.00	0.94
14.30	118.53	0.876	56.13	0.454	0.97	0.000	0.776	0.94	1.00	0.94
14.35	118.38	0.879	55.98	0.456	0.97	0.000	0.776	0.94	1.00	0.94
14.40	118.22	0.882	55.82	0.457	0.97	0.000	0.776	0.94	1.00	0.94
14.45	118.07	0.885	55.67	0.458	0.97	0.000	0.776	0.94	1.00	0.94
14.50	117.92	0.887	55.52	0.460	0.97	0.000	0.776	0.94	1.00	0.94
14.55	117.77	0.890	55.37	0.461	0.97	0.000	0.776	0.94	1.00	0.94
14.60	117.62	0.893	55.22	0.462	0.97	0.000	0.776	0.94	1.00	0.94
14.65	117.46	0.896	55.06	0.464	0.97	0.000	0.776	0.94	1.00	0.94
14.70	117.31	0.898	54.91	0.465	0.97	0.000	0.776	0.94	1.00	0.94
14.75	117.16	0.901	54.76	0.466	0.97	0.000	0.776	0.94	1.00	0.94
14.80	117.01	0.904	54.61	0.468	0.97	0.000	0.776	0.94	1.00	0.94
14.85	116.86	0.907	54.46	0.469	0.97	0.000	0.776	0.94	1.00	0.94
14.90	116.70	0.910	54.30	0.470	0.97	0.000	0.776	0.94	1.00	0.94
14.95	116.55	0.912	54.15	0.471	0.97	0.000	0.776	0.94	1.00	0.94
15.00	116.40	0.915	54.00	0.473	0.97	0.000	0.776	0.94	1.00	0.94
15.05	116.46	0.918	54.06	0.474	0.96	0.000	0.776	0.94	1.00	0.94
15.10	116.51	0.921	54.11	0.475	0.96	0.000	0.776	0.94	1.00	0.94
15.15	116.57	0.923	54.17	0.477	0.96	0.000	0.776	0.94	1.00	0.94
15.20	116.62	0.926	54.22	0.478	0.96	0.000	0.776	0.94	1.00	0.94
15.25	116.68	0.929	54.28	0.479	0.96	0.000	0.776	0.94	1.00	0.94
15.30	116.74	0.932	54.34	0.480	0.96	0.000	0.776	0.94	1.00	0.94
15.35	116.79	0.934	54.39	0.482	0.96	0.000	0.776	0.94	1.00	0.94
15.40	116.85	0.937	54.45	0.483	0.96	0.000	0.776	0.94	1.00	0.94
15.45	116.90	0.940	54.50	0.484	0.96	0.000	0.776	0.94	1.00	0.94
15.50	116.96	0.943	54.56	0.486	0.96	0.000	0.776	0.94	1.00	0.94
15.55	117.02	0.945	54.62	0.487	0.96	0.000	0.776	0.94	1.00	0.94
15.60	117.07	0.948	54.67	0.488	0.96	0.000	0.776	0.94	1.00	0.94
15.65	117.13	0.951	54.73	0.489	0.96	0.000	0.776	0.94	1.00	0.94
15.70	117.18	0.954	54.78	0.491	0.96	0.000	0.776	0.94	1.00	0.94
15.75	117.24	0.956	54.84	0.492	0.96	0.000	0.776	0.94	1.00	0.94
15.80	117.30	0.959	54.90	0.493	0.96	0.000	0.776	0.94	1.00	0.94
15.85	117.35	0.962	54.95	0.495	0.96	0.000	0.776	0.94	1.00	0.94
15.90	117.41	0.965	55.01	0.496	0.96	0.000	0.776	0.94	1.00	0.94
15.95	117.46	0.968	55.06	0.497	0.96	0.000	0.776	0.95	1.00	0.95
16.00	117.52	0.970	55.12	0.498	0.96	0.000	0.776	0.95	1.00	0.95
16.05	117.58	0.973	55.18	0.500	0.96	0.000	0.776	0.95	1.00	0.95
16.10	117.63	0.976	55.23	0.501	0.96	0.000	0.776	0.95	1.00	0.95
16.15	117.69	0.979	55.29	0.502	0.96	0.000	0.776	0.95	1.00	0.95
16.20	117.74	0.981	55.34	0.504	0.96	0.000	0.776	0.95	1.00	0.95
16.25	117.80	0.984	55.40	0.505	0.96	0.000	0.776	0.95	1.00	0.95
16.30	117.86	0.987	55.46	0.506	0.96	0.000	0.776	0.95	1.00	0.95
16.35	117.91	0.990	55.51	0.508	0.96	0.000	0.776	0.95	1.00	0.95
16.40	117.97	0.993	55.57	0.509	0.96	0.000	0.776	0.95	1.00	0.95
16.45	118.02	0.995	55.62	0.510	0.96	0.000	0.776	0.95	1.00	0.95
16.50	118.08	0.998	55.68	0.512	0.96	0.000	0.776	0.95	1.00	0.95
16.55	118.14	1.001	55.74	0.513	0.96	0.000	0.776	0.95	1.00	0.95
16.60	118.19	1.004	55.79	0.514	0.96	0.000	0.776	0.95	1.00	0.95
16.65	118.25	1.006	55.85	0.516	0.96	0.000	0.776	0.95	1.00	0.95
16.70	118.30	1.009	55.90	0.517	0.96	0.000	0.776	0.95	1.00	0.95
16.75	118.36	1.012	55.96	0.518	0.96	0.000	0.776	0.95	1.00	0.95
16.80	118.42	1.015	56.02	0.519	0.96	0.000	0.776	0.95	1.00	0.95
16.85	118.47	1.018	56.07	0.521	0.96	0.000	0.776	0.95	1.00	0.95
16.90	118.53	1.020	56.13	0.522	0.96	0.000	0.776	0.95	1.00	0.95
16.95	118.58	1.023	56.18	0.523	0.96	0.000	0.776	0.95	1.00	0.95
17.00	118.64	1.026	56.24	0.525	0.96	0.000	0.776	0.95	1.00	0.95
17.05	118.70	1.029	56.30	0.526	0.96	0.000	0.776	0.95	1.00	0.95
17.10	118.75	1.032	56.35	0.527	0.96	0.000	0.776	0.95	1.00	0.95
17.15	118.81	1.034	56.41	0.529	0.96	0.000	0.776	0.95	1.00	0.95
17.20	118.86	1.037	56.46	0.530	0.96	0.000	0.776	0.95	1.00	0.95
17.25	118.92	1.040	56.52	0.531	0.96	0.000	0.776	0.95	1.00	0.95
17.30	118.98	1.043	56.58	0.533	0.96	0.000	0.776	0.95	1.00	0.95
17.35	119.03	1.046	56.63	0.534	0.96	0.000	0.776	0.95	1.00	0.95
17.40	119.09	1.049	56.69	0.535	0.96	0.000	0.776	0.95	1.00	0.95
17.45	119.14	1.051	56.74	0.537	0.96	0.000	0.776	0.95	1.00	0.95
17.50	119.20	1.054	56.80	0.538	0.96	0.000	0.776	0.95	1.00	0.95
17.55	119.26	1.057	56.86	0.539	0.96	0.000	0.776	0.95	1.00	0.95
17.60	119.31	1.060	56.91	0.541	0.96	0.000	0.776	0.95	1.00	0.95

17.65	119.37	1.063	56.97	0.542	0.96	0.000	0.776	0.95	1.00	0.95
17.70	119.42	1.065	57.02	0.544	0.96	0.000	0.776	0.95	1.00	0.95
17.75	119.48	1.068	57.08	0.545	0.96	0.000	0.776	0.95	1.00	0.95
17.80	119.54	1.071	57.14	0.546	0.96	0.000	0.776	0.95	1.00	0.95
17.85	119.59	1.074	57.19	0.548	0.96	0.000	0.776	0.95	1.00	0.95
17.90	119.65	1.077	57.25	0.549	0.96	0.000	0.776	0.95	1.00	0.95
17.95	119.70	1.080	57.30	0.550	0.96	0.000	0.776	0.95	1.00	0.95
18.00	119.76	1.082	57.36	0.552	0.96	0.000	0.776	0.95	1.00	0.95
18.05	119.82	1.085	57.42	0.553	0.96	0.000	0.776	0.95	1.00	0.95
18.10	119.87	1.088	57.47	0.554	0.96	0.000	0.776	0.95	1.00	0.95
18.15	119.93	1.091	57.53	0.556	0.96	0.000	0.776	0.95	1.00	0.95
18.20	119.98	1.094	57.58	0.557	0.96	0.000	0.776	0.95	1.00	0.95
18.25	120.04	1.097	57.64	0.558	0.96	0.000	0.776	0.95	1.00	0.95
18.30	120.10	1.099	57.70	0.560	0.96	0.000	0.776	0.95	1.00	0.95
18.35	120.15	1.102	57.75	0.561	0.96	0.000	0.776	0.95	1.00	0.95
18.40	120.21	1.105	57.81	0.562	0.96	0.000	0.776	0.95	1.00	0.95
18.45	120.26	1.108	57.86	0.564	0.96	0.000	0.776	0.95	1.00	0.95
18.50	120.32	1.111	57.92	0.565	0.96	0.000	0.776	0.95	1.00	0.95
18.55	120.38	1.114	57.98	0.567	0.96	0.000	0.776	0.95	1.00	0.95
18.60	120.43	1.116	58.03	0.568	0.96	0.000	0.776	0.95	1.00	0.95
18.65	120.49	1.119	58.09	0.569	0.96	0.000	0.776	0.95	1.00	0.95
18.70	120.54	1.122	58.14	0.571	0.96	0.000	0.776	0.95	1.00	0.95
18.75	120.60	1.125	58.20	0.572	0.96	0.000	0.776	0.95	1.00	0.95
18.80	120.66	1.128	58.26	0.573	0.96	0.000	0.776	0.95	1.00	0.95
18.85	120.71	1.131	58.31	0.575	0.96	0.000	0.776	0.95	1.00	0.95
18.90	120.77	1.134	58.37	0.576	0.96	0.000	0.776	0.95	1.00	0.95
18.95	120.82	1.136	58.42	0.578	0.96	0.000	0.776	0.95	1.00	0.95
19.00	120.88	1.139	58.48	0.579	0.96	0.000	0.776	0.95	1.00	0.95
19.05	120.94	1.142	58.54	0.580	0.96	0.000	0.776	0.95	1.00	0.95
19.10	120.99	1.145	58.59	0.582	0.96	0.000	0.776	0.95	1.00	0.95
19.15	121.05	1.148	58.65	0.583	0.96	0.000	0.776	0.95	1.00	0.95
19.20	121.10	1.151	58.70	0.585	0.96	0.000	0.776	0.95	1.00	0.95
19.25	121.16	1.154	58.76	0.586	0.96	0.000	0.776	0.95	1.00	0.95
19.30	121.22	1.156	58.82	0.587	0.96	0.000	0.776	0.95	1.00	0.95
19.35	121.27	1.159	58.87	0.589	0.95	0.000	0.776	0.95	1.00	0.95
19.40	121.33	1.162	58.93	0.590	0.95	0.000	0.776	0.95	1.00	0.95
19.45	121.38	1.165	58.98	0.591	0.95	0.000	0.776	0.95	1.00	0.95
19.50	121.44	1.168	59.04	0.593	0.95	0.000	0.776	0.95	1.00	0.95
19.55	121.50	1.171	59.10	0.594	0.95	0.000	0.776	0.95	1.00	0.95
19.60	121.55	1.174	59.15	0.596	0.95	0.000	0.776	0.95	1.00	0.95
19.65	121.61	1.176	59.21	0.597	0.95	0.000	0.776	0.95	1.00	0.95
19.70	121.66	1.179	59.26	0.598	0.95	0.000	0.776	0.95	1.00	0.95
19.75	121.72	1.182	59.32	0.600	0.95	0.000	0.776	0.95	1.00	0.95
19.80	121.78	1.185	59.38	0.601	0.95	0.000	0.776	0.95	1.00	0.95
19.85	121.83	1.188	59.43	0.603	0.95	0.000	0.776	0.95	1.00	0.95
19.90	121.89	1.191	59.49	0.604	0.95	0.000	0.776	0.95	1.00	0.95
19.95	121.94	1.194	59.54	0.605	0.95	0.000	0.776	0.95	1.00	0.95
20.00	122.00	1.197	59.60	0.607	0.95	0.000	0.776	0.95	1.00	0.95
20.05	122.01	1.199	59.61	0.608	0.95	0.000	0.776	0.95	1.00	0.95
20.10	122.02	1.202	59.62	0.610	0.95	0.000	0.776	0.95	1.00	0.95
20.15	122.03	1.205	59.63	0.611	0.95	0.000	0.776	0.95	1.00	0.95
20.20	122.04	1.208	59.64	0.612	0.95	0.000	0.776	0.95	1.00	0.95
20.25	122.05	1.211	59.65	0.614	0.95	0.000	0.776	0.95	1.00	0.95
20.30	122.07	1.214	59.67	0.615	0.95	0.000	0.776	0.95	1.00	0.95
20.35	122.08	1.217	59.68	0.617	0.95	0.000	0.776	0.95	1.00	0.95
20.40	122.09	1.220	59.69	0.618	0.95	0.000	0.776	0.95	1.00	0.95
20.45	122.10	1.223	59.70	0.620	0.95	0.000	0.776	0.95	1.00	0.95
20.50	122.11	1.225	59.71	0.621	0.95	0.000	0.776	0.95	1.00	0.95
20.55	122.12	1.228	59.72	0.622	0.95	0.000	0.776	0.95	1.00	0.95
20.60	122.13	1.231	59.73	0.624	0.95	0.000	0.776	0.95	1.00	0.95
20.65	122.14	1.234	59.74	0.625	0.95	0.000	0.776	0.95	1.00	0.95
20.70	122.15	1.237	59.75	0.627	0.95	0.000	0.776	0.95	1.00	0.95
20.75	122.16	1.240	59.76	0.628	0.95	0.000	0.776	0.95	1.00	0.95
20.80	122.18	1.243	59.78	0.629	0.95	0.000	0.776	0.95	1.00	0.95
20.85	122.19	1.246	59.79	0.631	0.95	0.000	0.776	0.95	1.00	0.95
20.90	122.20	1.249	59.80	0.632	0.95	0.000	0.776	0.95	1.00	0.95
20.95	122.21	1.251	59.81	0.634	0.95	0.000	0.776	0.95	1.00	0.95
21.00	122.22	1.254	59.82	0.635	0.95	0.000	0.776	0.95	1.00	0.95
21.05	122.23	1.257	59.83	0.636	0.95	0.000	0.776	0.95	1.00	0.95
21.10	122.24	1.260	59.84	0.638	0.95	0.000	0.776	0.95	1.00	0.95
21.15	122.25	1.263	59.85	0.639	0.95	0.000	0.776	0.95	1.00	0.95
21.20	122.26	1.266	59.86	0.641	0.95	0.000	0.776	0.95	1.00	0.95
21.25	122.27	1.269	59.87	0.642	0.95	0.000	0.776	0.95	1.00	0.95

21.30	122.29	1.272	59.89	0.644	0.95	0.000	0.776	0.95	1.00	0.95
21.35	122.30	1.275	59.90	0.645	0.95	0.000	0.776	0.95	1.00	0.95
21.40	122.31	1.277	59.91	0.646	0.95	0.000	0.776	0.95	1.00	0.95
21.45	122.32	1.280	59.92	0.648	0.95	0.000	0.776	0.95	1.00	0.95
21.50	122.33	1.283	59.93	0.649	0.95	0.000	0.776	0.95	1.00	0.95
21.55	122.34	1.286	59.94	0.651	0.95	0.000	0.776	0.95	1.00	0.95
21.60	122.35	1.289	59.95	0.652	0.95	0.000	0.776	0.95	1.00	0.95
21.65	122.36	1.292	59.96	0.653	0.95	0.000	0.776	0.95	1.00	0.95
21.70	122.37	1.295	59.97	0.655	0.95	0.000	0.776	0.95	1.00	0.95
21.75	122.38	1.298	59.98	0.656	0.95	0.000	0.776	0.95	1.00	0.95
21.80	122.40	1.301	60.00	0.658	0.95	0.000	0.776	0.95	1.00	0.95
21.85	122.41	1.303	60.01	0.659	0.95	0.000	0.776	0.95	1.00	0.95
21.90	122.42	1.306	60.02	0.661	0.95	0.000	0.776	0.95	1.00	0.95
21.95	122.43	1.309	60.03	0.662	0.95	0.000	0.776	0.95	1.00	0.95
22.00	122.44	1.312	60.04	0.663	0.95	0.000	0.776	0.95	1.00	0.95
22.05	122.45	1.315	60.05	0.665	0.95	0.000	0.776	0.95	1.00	0.95
22.10	122.46	1.318	60.06	0.666	0.95	0.000	0.776	0.95	1.00	0.95
22.15	122.47	1.321	60.07	0.668	0.95	0.000	0.776	0.95	1.00	0.95
22.20	122.48	1.324	60.08	0.669	0.95	0.000	0.776	0.95	1.00	0.95
22.25	122.49	1.327	60.09	0.670	0.95	0.000	0.776	0.95	1.00	0.95
22.30	122.51	1.329	60.11	0.672	0.95	0.000	0.776	0.95	1.00	0.95
22.35	122.52	1.332	60.12	0.673	0.95	0.000	0.776	0.95	1.00	0.95
22.40	122.53	1.335	60.13	0.675	0.95	0.000	0.776	0.95	1.00	0.95
22.45	122.54	1.338	60.14	0.676	0.95	0.000	0.776	0.95	1.00	0.95
22.50	122.55	1.341	60.15	0.678	0.95	0.000	0.776	0.95	1.00	0.95
22.55	122.56	1.344	60.16	0.679	0.95	0.000	0.776	0.95	1.00	0.95
22.60	122.57	1.347	60.17	0.680	0.95	0.000	0.776	0.95	1.00	0.95
22.65	122.58	1.350	60.18	0.682	0.95	0.000	0.776	0.95	1.00	0.95
22.70	122.59	1.353	60.19	0.683	0.95	0.000	0.776	0.95	1.00	0.95
22.75	122.60	1.356	60.20	0.685	0.95	0.000	0.776	0.95	1.00	0.95
22.80	122.62	1.358	60.22	0.686	0.95	0.000	0.776	0.95	1.00	0.95
22.85	122.63	1.361	60.23	0.688	0.95	0.000	0.776	0.95	1.00	0.95
22.90	122.64	1.364	60.24	0.689	0.95	0.000	0.776	0.95	1.00	0.95
22.95	122.65	1.367	60.25	0.690	0.95	0.000	0.776	0.95	1.00	0.95
23.00	122.66	1.370	60.26	0.692	0.95	0.000	0.776	0.95	1.00	0.95
23.05	122.67	1.373	60.27	0.693	0.95	0.000	0.776	0.95	1.00	0.95
23.10	122.68	1.376	60.28	0.695	0.95	0.000	0.776	0.95	1.00	0.95
23.15	122.69	1.379	60.29	0.696	0.95	0.000	0.776	0.95	1.00	0.95
23.20	122.70	1.382	60.30	0.698	0.95	0.000	0.776	0.95	1.00	0.95
23.25	122.71	1.385	60.31	0.699	0.95	0.000	0.776	0.94	1.00	0.94
23.30	122.73	1.387	60.33	0.700	0.95	0.000	0.776	0.94	1.00	0.94
23.35	122.74	1.390	60.34	0.702	0.95	0.000	0.776	0.94	1.00	0.94
23.40	122.75	1.393	60.35	0.703	0.95	0.000	0.776	0.94	1.00	0.94
23.45	122.76	1.396	60.36	0.705	0.95	0.000	0.776	0.94	1.00	0.94
23.50	122.77	1.399	60.37	0.706	0.95	0.000	0.776	0.94	1.00	0.94
23.55	122.78	1.402	60.38	0.707	0.95	0.000	0.776	0.94	1.00	0.94
23.60	122.79	1.405	60.39	0.709	0.94	0.000	0.776	0.94	1.00	0.94
23.65	122.80	1.408	60.40	0.710	0.94	0.000	0.776	0.94	1.00	0.94
23.70	122.81	1.411	60.41	0.712	0.94	0.000	0.776	0.94	1.00	0.94
23.75	122.82	1.414	60.42	0.713	0.94	0.000	0.776	0.94	1.00	0.94
23.80	122.84	1.416	60.44	0.715	0.94	0.000	0.776	0.94	1.00	0.94
23.85	122.85	1.419	60.45	0.716	0.94	0.000	0.776	0.94	1.00	0.94
23.90	122.86	1.422	60.46	0.717	0.94	0.000	0.776	0.94	1.00	0.94
23.95	122.87	1.425	60.47	0.719	0.94	0.000	0.776	0.94	1.00	0.94
24.00	122.88	1.428	60.48	0.720	0.94	0.000	0.776	0.94	1.00	0.94
24.05	122.89	1.431	60.49	0.722	0.94	0.000	0.776	0.94	1.00	0.94
24.10	122.90	1.434	60.50	0.723	0.94	0.000	0.776	0.94	1.00	0.94
24.15	122.91	1.437	60.51	0.725	0.94	0.000	0.776	0.94	1.00	0.94
24.20	122.92	1.440	60.52	0.726	0.94	0.000	0.776	0.94	1.00	0.94
24.25	122.93	1.443	60.53	0.727	0.94	0.000	0.776	0.94	1.00	0.94
24.30	122.95	1.445	60.55	0.729	0.94	0.000	0.776	0.94	1.00	0.94
24.35	122.96	1.448	60.56	0.730	0.94	0.000	0.776	0.94	1.00	0.94
24.40	122.97	1.451	60.57	0.732	0.94	0.000	0.776	0.94	1.00	0.94
24.45	122.98	1.454	60.58	0.733	0.94	0.000	0.776	0.94	1.00	0.94
24.50	122.99	1.457	60.59	0.735	0.94	0.000	0.776	0.94	1.00	0.94
24.55	123.00	1.460	60.60	0.736	0.94	0.000	0.776	0.94	1.00	0.94
24.60	123.01	1.463	60.61	0.738	0.94	0.000	0.776	0.94	1.00	0.94
24.65	123.02	1.466	60.62	0.739	0.94	0.000	0.776	0.94	1.00	0.94
24.70	123.03	1.469	60.63	0.740	0.94	0.000	0.776	0.94	1.00	0.94
24.75	123.04	1.472	60.64	0.742	0.94	0.000	0.776	0.94	1.00	0.94
24.80	123.06	1.475	60.66	0.743	0.94	0.000	0.776	0.94	1.00	0.94
24.85	123.07	1.477	60.67	0.745	0.94	0.000	0.776	0.94	1.00	0.94
24.90	123.08	1.480	60.68	0.746	0.94	0.000	0.776	0.94	1.00	0.94

24.95	123.09	1.483	60.69	0.748	0.94	0.000	0.776	0.94	1.00	0.94
25.00	123.10	1.486	60.70	0.749	0.94	0.000	0.776	0.94	1.00	0.94
25.05	123.10	1.489	60.70	0.750	0.94	0.000	0.776	0.94	1.00	0.94
25.10	123.10	1.492	60.70	0.752	0.94	0.000	0.776	0.94	1.00	0.94
25.15	123.10	1.495	60.70	0.753	0.94	0.000	0.776	0.94	1.00	0.94
25.20	123.10	1.498	60.70	0.755	0.94	0.000	0.776	0.94	1.00	0.94
25.25	123.10	1.501	60.70	0.756	0.94	0.000	0.776	0.94	1.00	0.94
25.30	123.10	1.504	60.70	0.758	0.94	0.000	0.776	0.94	1.00	0.94
25.35	123.10	1.506	60.70	0.759	0.94	0.000	0.776	0.94	1.00	0.94
25.40	123.10	1.509	60.70	0.760	0.94	0.000	0.776	0.94	1.00	0.94
25.45	123.10	1.512	60.70	0.762	0.94	0.000	0.776	0.94	1.00	0.94
25.50	123.10	1.515	60.70	0.763	0.94	0.000	0.776	0.94	1.00	0.94
25.55	123.10	1.518	60.70	0.765	0.94	0.000	0.776	0.94	1.00	0.94
25.60	123.10	1.521	60.70	0.766	0.94	0.000	0.776	0.94	1.00	0.94
25.65	123.10	1.524	60.70	0.768	0.94	0.000	0.776	0.94	1.00	0.94
25.70	123.10	1.527	60.70	0.769	0.94	0.000	0.776	0.94	1.00	0.94
25.75	123.10	1.530	60.70	0.770	0.94	0.000	0.776	0.94	1.00	0.94
25.80	123.10	1.533	60.70	0.772	0.94	0.000	0.776	0.94	1.00	0.94
25.85	123.10	1.536	60.70	0.773	0.94	0.000	0.776	0.94	1.00	0.94
25.90	123.10	1.538	60.70	0.775	0.94	0.000	0.776	0.94	1.00	0.94
25.95	123.10	1.541	60.70	0.776	0.94	0.000	0.776	0.94	1.00	0.94
26.00	123.10	1.544	60.70	0.778	0.94	0.000	0.776	0.94	1.00	0.94
26.05	123.10	1.547	60.70	0.779	0.94	0.000	0.776	0.94	1.00	0.94
26.10	123.10	1.550	60.70	0.781	0.94	0.000	0.776	0.94	1.00	0.94
26.15	123.10	1.553	60.70	0.782	0.94	0.000	0.776	0.94	1.00	0.94
26.20	123.10	1.556	60.70	0.783	0.94	0.000	0.776	0.94	1.00	0.94
26.25	123.10	1.559	60.70	0.785	0.94	0.000	0.776	0.94	1.00	0.94
26.30	123.10	1.562	60.70	0.786	0.94	0.000	0.776	0.94	1.00	0.94
26.35	123.10	1.565	60.70	0.788	0.94	0.000	0.776	0.94	1.00	0.94
26.40	123.10	1.568	60.70	0.789	0.94	0.000	0.776	0.94	1.00	0.94
26.45	123.10	1.570	60.70	0.791	0.94	0.000	0.776	0.94	1.00	0.94
26.50	123.10	1.573	60.70	0.792	0.94	0.000	0.776	0.94	1.00	0.94
26.55	123.10	1.576	60.70	0.793	0.94	0.000	0.776	0.94	1.00	0.94
26.60	123.10	1.579	60.70	0.795	0.94	0.000	0.776	0.94	1.00	0.94
26.65	123.10	1.582	60.70	0.796	0.94	0.000	0.776	0.94	1.00	0.94
26.70	123.10	1.585	60.70	0.798	0.94	0.000	0.776	0.94	1.00	0.94
26.75	123.10	1.588	60.70	0.799	0.94	0.000	0.776	0.94	1.00	0.94
26.80	123.10	1.591	60.70	0.801	0.94	0.000	0.776	0.94	1.00	0.94
26.85	123.10	1.594	60.70	0.802	0.94	0.000	0.776	0.94	1.00	0.94
26.90	123.10	1.597	60.70	0.803	0.94	0.000	0.776	0.94	1.00	0.94
26.95	123.10	1.600	60.70	0.805	0.94	0.000	0.776	0.94	1.00	0.94
27.00	123.10	1.602	60.70	0.806	0.94	0.000	0.776	0.94	1.00	0.94
27.05	123.10	1.605	60.70	0.808	0.94	0.000	0.776	0.94	1.00	0.94
27.10	123.10	1.608	60.70	0.809	0.94	0.000	0.776	0.94	1.00	0.94
27.15	123.10	1.611	60.70	0.811	0.94	0.000	0.776	0.94	1.00	0.94
27.20	123.10	1.614	60.70	0.812	0.94	0.000	0.776	0.94	1.00	0.94
27.25	123.10	1.617	60.70	0.814	0.94	0.000	0.776	0.94	1.00	0.94
27.30	123.10	1.620	60.70	0.815	0.94	0.000	0.776	0.94	1.00	0.94
27.35	123.10	1.623	60.70	0.816	0.94	0.000	0.776	0.94	1.00	0.94
27.40	123.10	1.626	60.70	0.818	0.94	0.000	0.776	0.94	1.00	0.94
27.45	123.10	1.629	60.70	0.819	0.94	0.000	0.776	0.94	1.00	0.94
27.50	123.10	1.632	60.70	0.821	0.94	0.000	0.776	0.94	1.00	0.94
27.55	123.10	1.634	60.70	0.822	0.94	0.000	0.776	0.94	1.00	0.94
27.60	123.10	1.637	60.70	0.824	0.94	0.000	0.776	0.94	1.00	0.94
27.65	123.10	1.640	60.70	0.825	0.94	0.000	0.776	0.94	1.00	0.94
27.70	123.10	1.643	60.70	0.826	0.94	0.000	0.776	0.94	1.00	0.94
27.75	123.10	1.646	60.70	0.828	0.94	0.000	0.776	0.94	1.00	0.94
27.80	123.10	1.649	60.70	0.829	0.94	0.000	0.776	0.94	1.00	0.94
27.85	123.10	1.652	60.70	0.831	0.94	0.000	0.776	0.94	1.00	0.94
27.90	123.10	1.655	60.70	0.832	0.93	0.000	0.776	0.94	1.00	0.94
27.95	123.10	1.658	60.70	0.834	0.93	0.000	0.776	0.94	1.00	0.94
28.00	123.10	1.661	60.70	0.835	0.93	0.000	0.776	0.94	1.00	0.94
28.05	123.10	1.664	60.70	0.836	0.93	0.000	0.776	0.94	1.00	0.94
28.10	123.10	1.666	60.70	0.838	0.93	0.000	0.776	0.94	1.00	0.94
28.15	123.10	1.669	60.70	0.839	0.93	0.000	0.776	0.94	1.00	0.94
28.20	123.10	1.672	60.70	0.841	0.93	0.000	0.776	0.94	1.00	0.94
28.25	123.10	1.675	60.70	0.842	0.93	0.000	0.776	0.94	1.00	0.94
28.30	123.10	1.678	60.70	0.844	0.93	0.000	0.776	0.94	1.00	0.94
28.35	123.10	1.681	60.70	0.845	0.93	0.000	0.776	0.94	1.00	0.94
28.40	123.10	1.684	60.70	0.846	0.93	0.000	0.776	0.94	1.00	0.94
28.45	123.10	1.687	60.70	0.848	0.93	0.000	0.776	0.94	1.00	0.94
28.50	123.10	1.690	60.70	0.849	0.93	0.000	0.776	0.94	1.00	0.94
28.55	123.10	1.693	60.70	0.851	0.93	0.000	0.776	0.94	1.00	0.94

28.60	123.10	1.696	60.70	0.852	0.93	0.000	0.776	0.94	1.00	0.94
28.65	123.10	1.698	60.70	0.854	0.93	0.000	0.776	0.94	1.00	0.94
28.70	123.10	1.701	60.70	0.855	0.93	0.000	0.776	0.94	1.00	0.94
28.75	123.10	1.704	60.70	0.857	0.93	0.000	0.776	0.94	1.00	0.94
28.80	123.10	1.707	60.70	0.858	0.93	0.000	0.776	0.94	1.00	0.94
28.85	123.10	1.710	60.70	0.859	0.93	0.000	0.776	0.94	1.00	0.94
28.90	123.10	1.713	60.70	0.861	0.93	0.000	0.776	0.94	1.00	0.94
28.95	123.10	1.716	60.70	0.862	0.93	0.000	0.776	0.94	1.00	0.94
29.00	123.10	1.719	60.70	0.864	0.93	0.000	0.776	0.94	1.00	0.94
29.05	123.10	1.722	60.70	0.865	0.93	0.000	0.776	0.94	1.00	0.94
29.10	123.10	1.725	60.70	0.867	0.93	0.000	0.776	0.94	1.00	0.94
29.15	123.10	1.728	60.70	0.868	0.93	0.000	0.776	0.94	1.00	0.94
29.20	123.10	1.730	60.70	0.869	0.93	0.000	0.776	0.94	1.00	0.94
29.25	123.10	1.733	60.70	0.871	0.93	0.000	0.776	0.94	1.00	0.94
29.30	123.10	1.736	60.70	0.872	0.93	0.000	0.776	0.94	1.00	0.94
29.35	123.10	1.739	60.70	0.874	0.93	0.000	0.776	0.94	1.00	0.94
29.40	123.10	1.742	60.70	0.875	0.93	0.000	0.776	0.94	1.00	0.94
29.45	123.10	1.745	60.70	0.877	0.93	0.000	0.776	0.94	1.00	0.94
29.50	123.10	1.748	60.70	0.878	0.93	0.000	0.776	0.94	1.00	0.94
29.55	123.10	1.751	60.70	0.879	0.93	0.000	0.776	0.93	1.00	0.93
29.60	123.10	1.754	60.70	0.881	0.93	0.000	0.776	0.93	1.00	0.93
29.65	123.10	1.757	60.70	0.882	0.93	0.000	0.776	0.93	1.00	0.93
29.70	123.10	1.760	60.70	0.884	0.93	0.000	0.776	0.93	1.00	0.93
29.75	123.10	1.762	60.70	0.885	0.93	0.000	0.776	0.93	1.00	0.93
29.80	123.10	1.765	60.70	0.887	0.93	0.000	0.776	0.93	1.00	0.93
29.85	123.10	1.768	60.70	0.888	0.93	0.000	0.776	0.93	1.00	0.93
29.90	123.10	1.771	60.70	0.890	0.93	0.000	0.776	0.93	1.00	0.93
29.95	123.10	1.774	60.70	0.891	0.93	0.000	0.776	0.93	1.00	0.93
30.00	123.10	1.777	60.70	0.892	0.93	0.000	0.776	0.93	1.00	0.93
30.05	123.15	1.780	60.75	0.894	0.93	0.000	0.776	0.93	1.00	0.93
30.10	123.20	1.783	60.80	0.895	0.93	0.000	0.776	0.93	1.00	0.93
30.15	123.24	1.786	60.84	0.897	0.93	0.000	0.776	0.93	1.00	0.93
30.20	123.29	1.789	60.89	0.898	0.93	0.000	0.776	0.93	1.00	0.93
30.25	123.34	1.792	60.94	0.900	0.93	0.000	0.776	0.93	1.00	0.93
30.30	123.39	1.794	60.99	0.901	0.93	0.000	0.776	0.93	1.00	0.93
30.35	123.44	1.797	61.04	0.902	0.93	0.000	0.776	0.93	1.00	0.93
30.40	123.48	1.800	61.08	0.904	0.93	0.000	0.776	0.93	1.00	0.93
30.45	123.53	1.803	61.13	0.905	0.93	0.000	0.776	0.93	1.00	0.93
30.50	123.58	1.806	61.18	0.907	0.93	0.000	0.776	0.93	1.00	0.93
30.55	123.63	1.809	61.23	0.908	0.93	0.000	0.776	0.93	1.00	0.93
30.60	123.68	1.812	61.28	0.910	0.92	0.000	0.776	0.93	1.00	0.93
30.65	123.72	1.815	61.32	0.911	0.92	0.000	0.776	0.93	1.00	0.93
30.70	123.77	1.818	61.37	0.913	0.92	0.000	0.776	0.93	1.00	0.93
30.75	123.82	1.821	61.42	0.914	0.92	0.000	0.776	0.93	1.00	0.93
30.80	123.87	1.824	61.47	0.915	0.92	0.000	0.776	0.93	1.00	0.93
30.85	123.92	1.827	61.52	0.917	0.92	0.000	0.776	0.93	1.00	0.93
30.90	123.96	1.830	61.56	0.918	0.92	0.000	0.776	0.93	1.00	0.93
30.95	124.01	1.832	61.61	0.920	0.92	0.000	0.776	0.93	1.00	0.93
31.00	124.06	1.835	61.66	0.921	0.92	0.000	0.776	0.93	1.00	0.93
31.05	124.11	1.838	61.71	0.923	0.92	0.000	0.776	0.93	1.00	0.93
31.10	124.16	1.841	61.76	0.924	0.92	0.000	0.776	0.93	1.00	0.93
31.15	124.20	1.844	61.80	0.926	0.92	0.000	0.776	0.93	1.00	0.93
31.20	124.25	1.847	61.85	0.927	0.92	0.000	0.776	0.92	1.00	0.92
31.25	124.30	1.850	61.90	0.929	0.92	0.000	0.776	0.92	1.00	0.92
31.30	124.35	1.853	61.95	0.930	0.92	0.000	0.776	0.92	1.00	0.92
31.35	124.40	1.856	62.00	0.932	0.92	0.000	0.776	0.92	1.00	0.92
31.40	124.44	1.859	62.04	0.933	0.92	0.000	0.776	0.92	1.00	0.92
31.45	124.49	1.862	62.09	0.934	0.92	0.000	0.776	0.92	1.00	0.92
31.50	124.54	1.865	62.14	0.936	0.92	0.000	0.776	0.92	1.00	0.92
31.55	124.59	1.868	62.19	0.937	0.92	0.000	0.776	0.92	1.00	0.92
31.60	124.64	1.871	62.24	0.939	0.92	0.000	0.776	0.92	1.00	0.92
31.65	124.68	1.874	62.28	0.940	0.92	0.000	0.776	0.92	1.00	0.92
31.70	124.73	1.877	62.33	0.942	0.92	0.000	0.776	0.92	1.00	0.92
31.75	124.78	1.879	62.38	0.943	0.92	0.000	0.776	0.92	1.00	0.92
31.80	124.83	1.882	62.43	0.945	0.92	0.000	0.776	0.92	1.00	0.92
31.85	124.88	1.885	62.48	0.946	0.91	0.000	0.776	0.92	1.00	0.92
31.90	124.92	1.888	62.52	0.948	0.91	0.000	0.776	0.92	1.00	0.92
31.95	124.97	1.891	62.57	0.949	0.91	0.000	0.776	0.92	1.00	0.92
32.00	125.02	1.894	62.62	0.951	0.91	0.000	0.776	0.92	1.00	0.92
32.05	125.07	1.897	62.67	0.952	0.91	0.000	0.776	0.92	1.00	0.92
32.10	125.12	1.900	62.72	0.954	0.91	0.000	0.776	0.92	1.00	0.92
32.15	125.16	1.903	62.76	0.955	0.91	0.000	0.776	0.92	1.00	0.92
32.20	125.21	1.906	62.81	0.957	0.91	0.000	0.776	0.92	1.00	0.92

32.25	125.26	1.909	62.86	0.958	0.91	0.000	0.776	0.92	1.00	0.92
32.30	125.31	1.912	62.91	0.960	0.91	0.000	0.776	0.92	1.00	0.92
32.35	125.36	1.915	62.96	0.961	0.91	0.000	0.776	0.92	1.00	0.92
32.40	125.40	1.918	63.00	0.963	0.91	0.000	0.776	0.91	1.00	0.91
32.45	125.45	1.921	63.05	0.964	0.91	0.000	0.776	0.91	1.00	0.91
32.50	125.50	1.924	63.10	0.965	0.91	0.000	0.776	0.91	1.00	0.91
32.55	125.55	1.927	63.15	0.967	0.91	0.000	0.776	0.91	1.00	0.91
32.60	125.60	1.930	63.20	0.968	0.91	0.000	0.776	0.91	1.00	0.91
32.65	125.64	1.933	63.24	0.970	0.91	0.000	0.776	0.91	1.00	0.91
32.70	125.69	1.936	63.29	0.971	0.91	0.000	0.776	0.91	1.00	0.91
32.75	125.74	1.939	63.34	0.973	0.91	0.000	0.776	0.91	1.00	0.91
32.80	125.79	1.942	63.39	0.974	0.91	0.000	0.776	0.91	1.00	0.91
32.85	125.84	1.945	63.44	0.976	0.91	0.000	0.776	0.91	1.00	0.91
32.90	125.88	1.948	63.48	0.977	0.91	0.000	0.776	0.91	1.00	0.91
32.95	125.93	1.951	63.53	0.979	0.91	0.000	0.776	0.91	1.00	0.91
33.00	125.98	1.954	63.58	0.980	0.91	0.000	0.776	0.91	1.00	0.91
33.05	126.03	1.956	63.63	0.982	0.91	0.000	0.776	0.91	1.00	0.91
33.10	126.08	1.959	63.68	0.983	0.90	0.000	0.776	0.91	1.00	0.91
33.15	126.12	1.962	63.72	0.985	0.90	0.000	0.776	0.91	1.00	0.91
33.20	126.17	1.965	63.77	0.986	0.90	0.000	0.776	0.91	1.00	0.91
33.25	126.22	1.968	63.82	0.988	0.90	0.000	0.776	0.91	1.00	0.91
33.30	126.27	1.971	63.87	0.989	0.90	0.000	0.776	0.91	1.00	0.91
33.35	126.32	1.974	63.92	0.991	0.90	0.000	0.776	0.91	1.00	0.91
33.40	126.36	1.977	63.96	0.992	0.90	0.000	0.776	0.91	1.00	0.91
33.45	126.41	1.980	64.01	0.994	0.90	0.000	0.776	0.91	1.00	0.91
33.50	126.46	1.983	64.06	0.996	0.90	0.000	0.776	0.91	1.00	0.91
33.55	126.51	1.986	64.11	0.997	0.90	0.000	0.776	0.91	1.00	0.91
33.60	126.56	1.989	64.16	0.999	0.90	0.000	0.776	0.90	1.00	0.90
33.65	126.60	1.992	64.20	1.000	0.90	0.000	0.776	0.90	1.00	0.90
33.70	126.65	1.995	64.25	1.002	0.90	0.000	0.776	0.90	1.00	0.90
33.75	126.70	1.998	64.30	1.003	0.90	0.000	0.776	0.90	1.00	0.90
33.80	126.75	2.001	64.35	1.005	0.90	0.000	0.776	0.90	1.00	0.90
33.85	126.80	2.004	64.40	1.006	0.90	0.000	0.776	0.90	1.00	0.90
33.90	126.84	2.007	64.44	1.008	0.90	0.000	0.776	0.90	1.00	0.90
33.95	126.89	2.010	64.49	1.009	0.90	0.000	0.776	0.90	1.00	0.90
34.00	126.94	2.013	64.54	1.011	0.90	0.000	0.776	0.90	1.00	0.90
34.05	126.99	2.016	64.59	1.012	0.90	0.000	0.776	0.90	1.00	0.90
34.10	127.04	2.019	64.64	1.014	0.90	0.000	0.776	0.90	1.00	0.90
34.15	127.08	2.022	64.68	1.015	0.90	0.000	0.776	0.90	1.00	0.90
34.20	127.13	2.025	64.73	1.017	0.90	0.000	0.776	0.90	1.00	0.90
34.25	127.18	2.028	64.78	1.018	0.90	0.000	0.776	0.90	1.00	0.90
34.30	127.23	2.031	64.83	1.020	0.89	0.000	0.776	0.90	1.00	0.90
34.35	127.28	2.034	64.88	1.021	0.89	0.000	0.776	0.90	1.00	0.90
34.40	127.32	2.037	64.92	1.023	0.89	0.000	0.776	0.90	1.00	0.90
34.45	127.37	2.040	64.97	1.024	0.89	0.000	0.776	0.90	1.00	0.90
34.50	127.42	2.043	65.02	1.026	0.89	0.000	0.776	0.90	1.00	0.90
34.55	127.47	2.046	65.07	1.028	0.89	0.000	0.776	0.90	1.00	0.90
34.60	127.52	2.049	65.12	1.029	0.89	0.000	0.776	0.90	1.00	0.90
34.65	127.56	2.052	65.16	1.031	0.89	0.000	0.776	0.90	1.00	0.90
34.70	127.61	2.055	65.21	1.032	0.89	0.000	0.776	0.90	1.00	0.90
34.75	127.66	2.058	65.26	1.034	0.89	0.000	0.776	0.90	1.00	0.90
34.80	127.71	2.061	65.31	1.035	0.89	0.000	0.776	0.89	1.00	0.89
34.85	127.76	2.064	65.36	1.037	0.89	0.000	0.776	0.89	1.00	0.89
34.90	127.80	2.067	65.40	1.038	0.89	0.000	0.776	0.89	1.00	0.89
34.95	127.85	2.070	65.45	1.040	0.89	0.000	0.776	0.89	1.00	0.89
35.00	127.90	2.073	65.50	1.041	0.89	0.000	0.776	0.89	1.00	0.89
35.05	127.87	2.076	65.47	1.043	0.89	0.000	0.776	0.89	1.00	0.89
35.10	127.85	2.079	65.45	1.045	0.89	0.000	0.776	0.89	1.00	0.89
35.15	127.82	2.083	65.42	1.046	0.89	0.000	0.776	0.89	1.00	0.89
35.20	127.79	2.086	65.39	1.048	0.89	0.000	0.776	0.89	1.00	0.89
35.25	127.77	2.089	65.37	1.049	0.89	0.000	0.776	0.89	1.00	0.89
35.30	127.74	2.092	65.34	1.051	0.89	0.000	0.776	0.89	1.00	0.89
35.35	127.71	2.095	65.31	1.052	0.89	0.000	0.776	0.89	1.00	0.89
35.40	127.68	2.098	65.28	1.054	0.89	0.000	0.776	0.89	1.00	0.89
35.45	127.66	2.101	65.26	1.055	0.89	0.000	0.776	0.89	1.00	0.89
35.50	127.63	2.104	65.23	1.057	0.89	0.000	0.776	0.89	1.00	0.89
35.55	127.60	2.107	65.20	1.058	0.88	0.000	0.776	0.89	1.00	0.89
35.60	127.58	2.110	65.18	1.060	0.88	0.000	0.776	0.89	1.00	0.89
35.65	127.55	2.113	65.15	1.061	0.88	0.000	0.776	0.89	1.00	0.89
35.70	127.52	2.116	65.12	1.063	0.88	0.000	0.776	0.89	1.00	0.89
35.75	127.50	2.119	65.10	1.065	0.88	0.000	0.776	0.89	1.00	0.89
35.80	127.47	2.122	65.07	1.066	0.88	0.000	0.776	0.89	1.00	0.89
35.85	127.44	2.125	65.04	1.068	0.88	0.000	0.776	0.89	1.00	0.89

35.90	127.41	2.128	65.01	1.069	0.88	0.000	0.776	0.89	1.00	0.89
35.95	127.39	2.131	64.99	1.071	0.88	0.000	0.776	0.88	1.00	0.88
36.00	127.36	2.134	64.96	1.072	0.88	0.000	0.776	0.88	1.00	0.88
36.05	127.33	2.137	64.93	1.074	0.88	0.000	0.776	0.88	1.00	0.88
36.10	127.31	2.140	64.91	1.075	0.88	0.000	0.776	0.88	1.00	0.88
36.15	127.28	2.143	64.88	1.077	0.88	0.000	0.776	0.88	1.00	0.88
36.20	127.25	2.146	64.85	1.078	0.88	0.000	0.776	0.88	1.00	0.88
36.25	127.23	2.149	64.83	1.080	0.88	0.000	0.776	0.88	1.00	0.88
36.30	127.20	2.152	64.80	1.081	0.88	0.000	0.776	0.88	1.00	0.88
36.35	127.17	2.155	64.77	1.083	0.88	0.000	0.776	0.88	1.00	0.88
36.40	127.14	2.158	64.74	1.085	0.88	0.000	0.776	0.88	1.00	0.88
36.45	127.12	2.161	64.72	1.086	0.88	0.000	0.776	0.88	1.00	0.88
36.50	127.09	2.164	64.69	1.088	0.88	0.000	0.776	0.88	1.00	0.88
36.55	127.06	2.167	64.66	1.089	0.88	0.000	0.776	0.88	1.00	0.88
36.60	127.04	2.170	64.64	1.091	0.88	0.000	0.776	0.88	1.00	0.88
36.65	127.01	2.173	64.61	1.092	0.88	0.000	0.776	0.88	1.00	0.88
36.70	126.98	2.176	64.58	1.094	0.88	0.000	0.776	0.88	1.00	0.88
36.75	126.96	2.179	64.56	1.095	0.87	0.000	0.776	0.88	1.00	0.88
36.80	126.93	2.182	64.53	1.097	0.87	0.000	0.776	0.88	1.00	0.88
36.85	126.90	2.185	64.50	1.098	0.87	0.000	0.776	0.88	1.00	0.88
36.90	126.87	2.188	64.47	1.100	0.87	0.000	0.776	0.88	1.00	0.88
36.95	126.85	2.191	64.45	1.101	0.87	0.000	0.776	0.88	1.00	0.88
37.00	126.82	2.194	64.42	1.103	0.87	0.000	0.776	0.88	1.00	0.88
37.05	126.79	2.197	64.39	1.104	0.87	0.000	0.776	0.88	1.00	0.88
37.10	126.77	2.200	64.37	1.106	0.87	0.000	0.776	0.88	1.00	0.88
37.15	126.74	2.203	64.34	1.107	0.87	0.000	0.776	0.87	1.00	0.87
37.20	126.71	2.206	64.31	1.109	0.87	0.000	0.776	0.87	1.00	0.87
37.25	126.69	2.209	64.29	1.110	0.87	0.000	0.776	0.87	1.00	0.87
37.30	126.66	2.212	64.26	1.112	0.87	0.000	0.776	0.87	1.00	0.87
37.35	126.63	2.215	64.23	1.113	0.87	0.000	0.776	0.87	1.00	0.87
37.40	126.60	2.218	64.20	1.115	0.87	0.000	0.776	0.87	1.00	0.87
37.45	126.58	2.221	64.18	1.116	0.87	0.000	0.776	0.87	1.00	0.87
37.50	126.55	2.224	64.15	1.118	0.87	0.000	0.776	0.87	1.00	0.87
37.55	126.52	2.227	64.12	1.120	0.87	0.000	0.776	0.87	1.00	0.87
37.60	126.50	2.230	64.10	1.121	0.87	0.000	0.776	0.87	1.00	0.87
37.65	126.47	2.233	64.07	1.123	0.87	0.000	0.776	0.87	1.00	0.87
37.70	126.44	2.236	64.04	1.124	0.87	0.000	0.776	0.87	1.00	0.87
37.75	126.42	2.239	64.02	1.126	0.87	0.000	0.776	0.87	1.00	0.87
37.80	126.39	2.242	63.99	1.127	0.87	0.000	0.776	0.87	1.00	0.87
37.85	126.36	2.245	63.96	1.129	0.87	0.000	0.776	0.87	1.00	0.87
37.90	126.33	2.248	63.93	1.130	0.87	0.000	0.776	0.87	1.00	0.87
37.95	126.31	2.251	63.91	1.132	0.87	0.000	0.776	0.87	1.00	0.87
38.00	126.28	2.254	63.88	1.133	0.86	0.000	0.776	0.87	1.00	0.87
38.05	126.25	2.257	63.85	1.135	0.86	0.000	0.776	0.87	1.00	0.87
38.10	126.23	2.260	63.83	1.136	0.86	0.000	0.776	0.87	1.00	0.87
38.15	126.20	2.263	63.80	1.138	0.86	0.000	0.776	0.87	1.00	0.87
38.20	126.17	2.266	63.77	1.139	0.86	0.000	0.776	0.87	1.00	0.87
38.25	126.15	2.269	63.75	1.141	0.86	0.000	0.776	0.87	1.00	0.87
38.30	126.12	2.272	63.72	1.142	0.86	0.000	0.776	0.87	1.00	0.87
38.35	126.09	2.275	63.69	1.144	0.86	0.000	0.776	0.86	1.00	0.86
38.40	126.06	2.277	63.66	1.145	0.86	0.000	0.776	0.86	1.00	0.86
38.45	126.04	2.280	63.64	1.147	0.86	0.000	0.776	0.86	1.00	0.86
38.50	126.01	2.283	63.61	1.148	0.86	0.000	0.776	0.86	1.00	0.86
38.55	125.98	2.286	63.58	1.150	0.86	0.000	0.776	0.86	1.00	0.86
38.60	125.96	2.289	63.56	1.151	0.86	0.000	0.776	0.86	1.00	0.86
38.65	125.93	2.292	63.53	1.153	0.86	0.000	0.776	0.86	1.00	0.86
38.70	125.90	2.295	63.50	1.154	0.86	0.000	0.776	0.86	1.00	0.86
38.75	125.88	2.298	63.48	1.156	0.86	0.000	0.776	0.86	1.00	0.86
38.80	125.85	2.301	63.45	1.157	0.86	0.000	0.776	0.86	1.00	0.86
38.85	125.82	2.304	63.42	1.159	0.86	0.000	0.776	0.86	1.00	0.86
38.90	125.79	2.307	63.39	1.160	0.86	0.000	0.776	0.86	1.00	0.86
38.95	125.77	2.310	63.37	1.162	0.86	0.000	0.776	0.86	1.00	0.86
39.00	125.74	2.313	63.34	1.163	0.86	0.000	0.776	0.86	1.00	0.86
39.05	125.71	2.316	63.31	1.165	0.86	0.000	0.776	0.86	1.00	0.86
39.10	125.69	2.319	63.29	1.166	0.86	0.000	0.776	0.86	1.00	0.86
39.15	125.66	2.322	63.26	1.168	0.86	0.000	0.776	0.86	1.00	0.86
39.20	125.63	2.325	63.23	1.169	0.86	0.000	0.776	0.86	1.00	0.86
39.25	125.61	2.328	63.21	1.171	0.85	0.000	0.776	0.86	1.00	0.86
39.30	125.58	2.331	63.18	1.172	0.85	0.000	0.776	0.86	1.00	0.86
39.35	125.55	2.334	63.15	1.174	0.85	0.000	0.776	0.86	1.00	0.86
39.40	125.52	2.337	63.12	1.175	0.85	0.000	0.776	0.86	1.00	0.86
39.45	125.50	2.340	63.10	1.177	0.85	0.000	0.776	0.86	1.00	0.86
39.50	125.47	2.343	63.07	1.178	0.85	0.000	0.776	0.86	1.00	0.86

39.55	125.44	2.346	63.04	1.180	0.85	0.000	0.776	0.85	1.00	0.85
39.60	125.42	2.349	63.02	1.181	0.85	0.000	0.776	0.85	1.00	0.85
39.65	125.39	2.352	62.99	1.183	0.85	0.000	0.776	0.85	1.00	0.85
39.70	125.36	2.355	62.96	1.184	0.85	0.000	0.776	0.85	1.00	0.85
39.75	125.34	2.358	62.94	1.186	0.85	0.000	0.776	0.85	1.00	0.85
39.80	125.31	2.361	62.91	1.187	0.85	0.000	0.776	0.85	1.00	0.85
39.85	125.28	2.364	62.88	1.189	0.85	0.000	0.776	0.85	1.00	0.85
39.90	125.25	2.367	62.85	1.190	0.85	0.000	0.776	0.85	1.00	0.85
39.95	125.23	2.370	62.83	1.192	0.85	0.000	0.776	0.85	1.00	0.85
40.00	125.20	2.372	62.80	1.193	0.85	0.000	0.776	0.85	1.00	0.85
40.05	125.34	2.375	62.94	1.194	0.85	0.000	0.776	0.85	1.00	0.85
40.10	125.48	2.378	63.08	1.196	0.85	0.000	0.776	0.85	1.00	0.85
40.15	125.62	2.381	63.22	1.197	0.85	0.000	0.776	0.85	1.00	0.85
40.20	125.76	2.384	63.36	1.199	0.85	0.000	0.776	0.85	1.00	0.85
40.25	125.90	2.387	63.50	1.200	0.85	0.000	0.776	0.85	1.00	0.85
40.30	126.04	2.390	63.64	1.202	0.85	0.000	0.776	0.85	1.00	0.85
40.35	126.18	2.393	63.78	1.203	0.85	0.000	0.776	0.85	1.00	0.85
40.40	126.32	2.396	63.92	1.205	0.85	0.000	0.776	0.85	1.00	0.85
40.45	126.46	2.399	64.06	1.206	0.84	0.000	0.776	0.85	1.00	0.85
40.50	126.60	2.402	64.20	1.208	0.84	0.000	0.776	0.85	1.00	0.85
40.55	126.74	2.405	64.34	1.210	0.84	0.000	0.776	0.85	1.00	0.85
40.60	126.88	2.408	64.48	1.211	0.84	0.000	0.776	0.85	1.00	0.85
40.65	127.02	2.411	64.62	1.213	0.84	0.000	0.776	0.85	1.00	0.85
40.70	127.16	2.414	64.76	1.214	0.84	0.000	0.776	0.85	1.00	0.85
40.75	127.30	2.417	64.90	1.216	0.84	0.000	0.776	0.84	1.00	0.84
40.80	127.44	2.420	65.04	1.217	0.84	0.000	0.776	0.84	1.00	0.84
40.85	127.58	2.423	65.18	1.219	0.84	0.000	0.776	0.84	1.00	0.84
40.90	127.72	2.426	65.32	1.220	0.84	0.000	0.776	0.84	1.00	0.84
40.95	127.86	2.429	65.46	1.222	0.84	0.000	0.776	0.84	1.00	0.84
41.00	128.00	2.432	65.60	1.223	0.84	0.000	0.776	0.84	1.00	0.84
41.05	128.14	2.435	65.74	1.225	0.84	0.000	0.776	0.84	1.00	0.84
41.10	128.28	2.438	65.88	1.226	0.84	0.000	0.776	0.84	1.00	0.84
41.15	128.42	2.441	66.02	1.228	0.84	0.000	0.776	0.84	1.00	0.84
41.20	128.56	2.444	66.16	1.230	0.84	0.000	0.776	0.84	1.00	0.84
41.25	128.70	2.447	66.30	1.231	0.84	0.000	0.776	0.84	1.00	0.84
41.30	128.84	2.450	66.44	1.233	0.84	0.000	0.776	0.84	1.00	0.84
41.35	128.98	2.454	66.58	1.234	0.84	0.000	0.776	0.84	1.00	0.84
41.40	129.12	2.457	66.72	1.236	0.84	0.000	0.776	0.84	1.00	0.84
41.45	129.26	2.460	66.86	1.237	0.84	0.000	0.776	0.84	1.00	0.84
41.50	129.40	2.463	67.00	1.239	0.84	0.000	0.776	0.84	1.00	0.84
41.55	129.54	2.466	67.14	1.241	0.84	0.000	0.776	0.84	1.00	0.84
41.60	129.68	2.469	67.28	1.242	0.84	0.000	0.776	0.84	1.00	0.84
41.65	129.82	2.472	67.42	1.244	0.84	0.000	0.776	0.84	1.00	0.84
41.70	129.96	2.475	67.56	1.245	0.83	0.000	0.776	0.84	1.00	0.84
41.75	130.10	2.478	67.70	1.247	0.83	0.000	0.776	0.84	1.00	0.84
41.80	130.24	2.481	67.84	1.249	0.83	0.000	0.776	0.84	1.00	0.84
41.85	130.38	2.484	67.98	1.250	0.83	0.000	0.776	0.84	1.00	0.84
41.90	130.52	2.487	68.12	1.252	0.83	0.000	0.776	0.83	1.00	0.83
41.95	130.66	2.490	68.26	1.253	0.83	0.000	0.776	0.83	1.00	0.83
42.00	130.80	2.493	68.40	1.255	0.83	0.000	0.776	0.83	1.00	0.83
42.05	130.94	2.496	68.54	1.257	0.83	0.000	0.776	0.83	1.00	0.83
42.10	131.08	2.500	68.68	1.258	0.83	0.000	0.776	0.83	1.00	0.83
42.15	131.22	2.503	68.82	1.260	0.83	0.000	0.776	0.83	1.00	0.83
42.20	131.36	2.506	68.96	1.261	0.83	0.000	0.776	0.83	1.00	0.83
42.25	131.50	2.509	69.10	1.263	0.83	0.000	0.776	0.83	1.00	0.83
42.30	131.64	2.512	69.24	1.265	0.83	0.000	0.776	0.83	1.00	0.83
42.35	131.78	2.515	69.38	1.266	0.83	0.000	0.776	0.83	1.00	0.83
42.40	131.92	2.518	69.52	1.268	0.83	0.000	0.776	0.83	1.00	0.83
42.45	132.06	2.521	69.66	1.270	0.83	0.000	0.776	0.83	1.00	0.83
42.50	132.20	2.524	69.80	1.271	0.83	0.000	0.776	0.83	1.00	0.83
42.55	132.34	2.528	69.94	1.273	0.83	0.000	0.776	0.83	1.00	0.83
42.60	132.48	2.531	70.08	1.275	0.83	0.000	0.776	0.83	1.00	0.83
42.65	132.62	2.534	70.22	1.276	0.83	0.000	0.776	0.83	1.00	0.83
42.70	132.76	2.537	70.36	1.278	0.83	0.000	0.776	0.83	1.00	0.83
42.75	132.90	2.540	70.50	1.280	0.83	0.000	0.776	0.83	1.00	0.83
42.80	133.04	2.543	70.64	1.281	0.83	0.000	0.776	0.83	1.00	0.83
42.85	133.18	2.546	70.78	1.283	0.83	0.000	0.776	0.83	1.00	0.83
42.90	133.32	2.550	70.92	1.285	0.82	0.000	0.776	0.83	1.00	0.83
42.95	133.46	2.553	71.06	1.286	0.82	0.000	0.776	0.83	1.00	0.83
43.00	133.60	2.556	71.20	1.288	0.82	0.000	0.776	0.82	1.00	0.82
43.05	133.74	2.559	71.34	1.290	0.82	0.000	0.776	0.82	1.00	0.82
43.10	133.88	2.562	71.48	1.291	0.82	0.000	0.776	0.82	1.00	0.82
43.15	134.02	2.565	71.62	1.293	0.82	0.000	0.776	0.82	1.00	0.82

43.20	134.16	2.568	71.76	1.295	0.82	0.000	0.776	0.82	1.00	0.82
43.25	134.30	2.572	71.90	1.296	0.82	0.000	0.776	0.82	1.00	0.82
43.30	134.44	2.575	72.04	1.298	0.82	0.000	0.776	0.82	1.00	0.82
43.35	134.58	2.578	72.18	1.300	0.82	0.000	0.776	0.82	1.00	0.82
43.40	134.72	2.581	72.32	1.301	0.82	0.000	0.776	0.82	1.00	0.82
43.45	134.86	2.584	72.46	1.303	0.82	0.000	0.776	0.82	1.00	0.82
43.50	135.00	2.588	72.60	1.305	0.82	0.000	0.776	0.82	1.00	0.82
43.55	135.14	2.591	72.74	1.307	0.82	0.000	0.776	0.82	1.00	0.82
43.60	135.28	2.594	72.88	1.308	0.82	0.000	0.776	0.82	1.00	0.82
43.65	135.42	2.597	73.02	1.310	0.82	0.000	0.776	0.82	1.00	0.82
43.70	135.56	2.600	73.16	1.312	0.82	0.000	0.776	0.82	1.00	0.82
43.75	135.70	2.604	73.30	1.313	0.82	0.000	0.776	0.82	1.00	0.82
43.80	135.84	2.607	73.44	1.315	0.82	0.000	0.776	0.82	1.00	0.82
43.85	135.98	2.610	73.58	1.317	0.82	0.000	0.776	0.82	1.00	0.82
43.90	136.12	2.613	73.72	1.319	0.82	0.000	0.776	0.82	1.00	0.82
43.95	136.26	2.616	73.86	1.320	0.82	0.000	0.776	0.82	1.00	0.82
44.00	136.40	2.620	74.00	1.322	0.82	0.000	0.776	0.82	1.00	0.82
44.05	136.54	2.623	74.14	1.324	0.82	0.000	0.776	0.81	1.00	0.81
44.10	136.68	2.626	74.28	1.326	0.82	0.000	0.776	0.81	1.00	0.81
44.15	136.82	2.629	74.42	1.327	0.81	0.000	0.776	0.81	1.00	0.81
44.20	136.96	2.632	74.56	1.329	0.81	0.000	0.776	0.81	1.00	0.81
44.25	137.10	2.636	74.70	1.331	0.81	0.000	0.776	0.81	1.00	0.81
44.30	137.24	2.639	74.84	1.333	0.81	0.000	0.776	0.81	1.00	0.81
44.35	137.38	2.642	74.98	1.334	0.81	0.000	0.776	0.81	1.00	0.81
44.40	137.52	2.645	75.12	1.336	0.81	0.000	0.776	0.81	1.00	0.81
44.45	137.66	2.649	75.26	1.338	0.81	0.000	0.776	0.81	1.00	0.81
44.50	137.80	2.652	75.40	1.340	0.81	0.000	0.776	0.81	1.00	0.81
44.55	137.94	2.655	75.54	1.342	0.81	0.000	0.776	0.81	1.00	0.81
44.60	138.08	2.658	75.68	1.343	0.81	0.000	0.776	0.81	1.00	0.81
44.65	138.22	2.662	75.82	1.345	0.81	0.000	0.776	0.81	1.00	0.81
44.70	138.36	2.665	75.96	1.347	0.81	0.000	0.776	0.81	1.00	0.81
44.75	138.50	2.668	76.10	1.349	0.81	0.000	0.776	0.81	1.00	0.81
44.80	138.64	2.672	76.24	1.351	0.81	0.000	0.776	0.81	1.00	0.81
44.85	138.78	2.675	76.38	1.352	0.81	0.000	0.776	0.81	1.00	0.81
44.90	138.92	2.678	76.52	1.354	0.81	0.000	0.776	0.81	1.00	0.81
44.95	139.06	2.681	76.66	1.356	0.81	0.000	0.776	0.81	1.00	0.81
45.00	139.20	2.685	76.80	1.358	0.81	0.000	0.776	0.81	1.00	0.81
45.05	139.15	2.688	76.75	1.360	0.81	0.000	0.776	0.81	1.00	0.81
45.10	139.10	2.691	76.70	1.361	0.81	0.000	0.776	0.80	1.00	0.80
45.15	139.04	2.695	76.64	1.363	0.81	0.000	0.776	0.80	1.00	0.80
45.20	138.99	2.698	76.59	1.365	0.81	0.000	0.776	0.80	1.00	0.80
45.25	138.94	2.701	76.54	1.367	0.81	0.000	0.776	0.80	1.00	0.80
45.30	138.89	2.704	76.49	1.369	0.81	0.000	0.776	0.80	1.00	0.80
45.35	138.84	2.708	76.44	1.370	0.80	0.000	0.776	0.80	1.00	0.80
45.40	138.78	2.711	76.38	1.372	0.80	0.000	0.776	0.80	1.00	0.80
45.45	138.73	2.714	76.33	1.374	0.80	0.000	0.776	0.80	1.00	0.80
45.50	138.68	2.718	76.28	1.376	0.80	0.000	0.776	0.80	1.00	0.80
45.55	138.63	2.721	76.23	1.378	0.80	0.000	0.776	0.80	1.00	0.80
45.60	138.58	2.724	76.18	1.379	0.80	0.000	0.776	0.80	1.00	0.80
45.65	138.52	2.727	76.12	1.381	0.80	0.000	0.776	0.80	1.00	0.80
45.70	138.47	2.731	76.07	1.383	0.80	0.000	0.776	0.80	1.00	0.80
45.75	138.42	2.734	76.02	1.385	0.80	0.000	0.776	0.80	1.00	0.80
45.80	138.37	2.737	75.97	1.387	0.80	0.000	0.776	0.80	1.00	0.80
45.85	138.32	2.740	75.92	1.388	0.80	0.000	0.776	0.80	1.00	0.80
45.90	138.26	2.744	75.86	1.390	0.80	0.000	0.776	0.80	1.00	0.80
45.95	138.21	2.747	75.81	1.392	0.80	0.000	0.776	0.80	1.00	0.80
46.00	138.16	2.750	75.76	1.394	0.80	0.000	0.776	0.80	1.00	0.80
46.05	138.11	2.753	75.71	1.396	0.80	0.000	0.776	0.80	1.00	0.80
46.10	138.06	2.757	75.66	1.397	0.80	0.000	0.776	0.79	1.00	0.79
46.15	138.00	2.760	75.60	1.399	0.80	0.000	0.776	0.79	1.00	0.79
46.20	137.95	2.763	75.55	1.401	0.80	0.000	0.776	0.79	1.00	0.79
46.25	137.90	2.767	75.50	1.403	0.80	0.000	0.776	0.79	1.00	0.79
46.30	137.85	2.770	75.45	1.405	0.80	0.000	0.776	0.79	1.00	0.79
46.35	137.80	2.773	75.40	1.406	0.80	0.000	0.776	0.79	1.00	0.79
46.40	137.74	2.776	75.34	1.408	0.80	0.000	0.776	0.79	1.00	0.79
46.45	137.69	2.780	75.29	1.410	0.80	0.000	0.776	0.79	1.00	0.79
46.50	137.64	2.783	75.24	1.412	0.80	0.000	0.776	0.79	1.00	0.79
46.55	137.59	2.786	75.19	1.413	0.80	0.000	0.776	0.79	1.00	0.79
46.60	137.54	2.789	75.14	1.415	0.79	0.000	0.776	0.79	1.00	0.79
46.65	137.48	2.793	75.08	1.417	0.79	0.000	0.776	0.79	1.00	0.79
46.70	137.43	2.796	75.03	1.419	0.79	0.000	0.776	0.79	1.00	0.79
46.75	137.38	2.799	74.98	1.421	0.79	0.000	0.776	0.79	1.00	0.79
46.80	137.33	2.802	74.93	1.422	0.79	0.000	0.776	0.79	1.00	0.79

46.85	137.28	2.806	74.88	1.424	0.79	0.000	0.776	0.79	1.00	0.79
46.90	137.22	2.809	74.82	1.426	0.79	0.000	0.776	0.79	1.00	0.79
46.95	137.17	2.812	74.77	1.428	0.79	0.000	0.776	0.79	1.00	0.79
47.00	137.12	2.815	74.72	1.429	0.79	0.000	0.776	0.79	1.00	0.79
47.05	137.07	2.819	74.67	1.431	0.79	0.000	0.776	0.79	1.00	0.79
47.10	137.02	2.822	74.62	1.433	0.79	0.000	0.776	0.79	1.00	0.79
47.15	136.96	2.825	74.56	1.435	0.79	0.000	0.776	0.78	1.00	0.78
47.20	136.91	2.828	74.51	1.436	0.79	0.000	0.776	0.78	1.00	0.78
47.25	136.86	2.831	74.46	1.438	0.79	0.000	0.776	0.78	1.00	0.78
47.30	136.81	2.835	74.41	1.440	0.79	0.000	0.776	0.78	1.00	0.78
47.35	136.76	2.838	74.36	1.442	0.79	0.000	0.776	0.78	1.00	0.78
47.40	136.70	2.841	74.30	1.443	0.79	0.000	0.776	0.78	1.00	0.78
47.45	136.65	2.844	74.25	1.445	0.79	0.000	0.776	0.78	1.00	0.78
47.50	136.60	2.848	74.20	1.447	0.79	0.000	0.776	0.78	1.00	0.78
47.55	136.55	2.851	74.15	1.449	0.79	0.000	0.776	0.78	1.00	0.78
47.60	136.50	2.854	74.10	1.450	0.79	0.000	0.776	0.78	1.00	0.78
47.65	136.44	2.857	74.04	1.452	0.79	0.000	0.776	0.78	1.00	0.78
47.70	136.39	2.861	73.99	1.454	0.79	0.000	0.776	0.78	1.00	0.78
47.75	136.34	2.864	73.94	1.456	0.79	0.000	0.776	0.78	1.00	0.78
47.80	136.29	2.867	73.89	1.457	0.79	0.000	0.776	0.78	1.00	0.78
47.85	136.24	2.870	73.84	1.459	0.78	0.000	0.776	0.78	1.00	0.78
47.90	136.18	2.873	73.78	1.461	0.78	0.000	0.776	0.78	1.00	0.78
47.95	136.13	2.877	73.73	1.463	0.78	0.000	0.776	0.78	1.00	0.78
48.00	136.08	2.880	73.68	1.464	0.78	0.000	0.776	0.78	1.00	0.78
48.05	136.03	2.883	73.63	1.466	0.78	0.000	0.776	0.78	1.00	0.78
48.10	135.98	2.886	73.58	1.468	0.78	0.000	0.776	0.78	1.00	0.78
48.15	135.92	2.889	73.52	1.470	0.78	0.000	0.776	0.78	1.00	0.78
48.20	135.87	2.893	73.47	1.471	0.78	0.000	0.776	0.78	1.00	0.78
48.25	135.82	2.896	73.42	1.473	0.78	0.000	0.776	0.77	1.00	0.77
48.30	135.77	2.899	73.37	1.475	0.78	0.000	0.776	0.77	1.00	0.77
48.35	135.72	2.902	73.32	1.477	0.78	0.000	0.776	0.77	1.00	0.77
48.40	135.66	2.906	73.26	1.478	0.78	0.000	0.776	0.77	1.00	0.77
48.45	135.61	2.909	73.21	1.480	0.78	0.000	0.776	0.77	1.00	0.77
48.50	135.56	2.912	73.16	1.482	0.78	0.000	0.776	0.77	1.00	0.77
48.55	135.51	2.915	73.11	1.484	0.78	0.000	0.776	0.77	1.00	0.77
48.60	135.46	2.918	73.06	1.485	0.78	0.000	0.776	0.77	1.00	0.77
48.65	135.40	2.922	73.00	1.487	0.78	0.000	0.776	0.77	1.00	0.77
48.70	135.35	2.925	72.95	1.489	0.78	0.000	0.776	0.77	1.00	0.77
48.75	135.30	2.928	72.90	1.490	0.78	0.000	0.776	0.77	1.00	0.77
48.80	135.25	2.931	72.85	1.492	0.78	0.000	0.776	0.77	1.00	0.77
48.85	135.20	2.934	72.80	1.494	0.78	0.000	0.776	0.77	1.00	0.77
48.90	135.14	2.938	72.74	1.496	0.78	0.000	0.776	0.77	1.00	0.77
48.95	135.09	2.941	72.69	1.497	0.78	0.000	0.776	0.77	1.00	0.77
49.00	135.04	2.944	72.64	1.499	0.78	0.000	0.776	0.77	1.00	0.77
49.05	134.99	2.947	72.59	1.501	0.77	0.000	0.776	0.77	1.00	0.77
49.10	134.94	2.950	72.54	1.502	0.77	0.000	0.776	0.77	1.00	0.77
49.15	134.88	2.953	72.48	1.504	0.77	0.000	0.776	0.77	1.00	0.77
49.20	134.83	2.957	72.43	1.506	0.77	0.000	0.776	0.77	1.00	0.77
49.25	134.78	2.960	72.38	1.508	0.77	0.000	0.776	0.77	1.00	0.77
49.30	134.73	2.963	72.33	1.509	0.77	0.000	0.776	0.77	1.00	0.77
49.35	134.68	2.966	72.28	1.511	0.77	0.000	0.776	0.76	1.00	0.76
49.40	134.62	2.969	72.22	1.513	0.77	0.000	0.776	0.76	1.00	0.76
49.45	134.57	2.973	72.17	1.514	0.77	0.000	0.776	0.76	1.00	0.76
49.50	134.52	2.976	72.12	1.516	0.77	0.000	0.776	0.76	1.00	0.76
49.55	134.47	2.979	72.07	1.518	0.77	0.000	0.776	0.76	1.00	0.76
49.60	134.42	2.982	72.02	1.520	0.77	0.000	0.776	0.76	1.00	0.76
49.65	134.36	2.985	71.96	1.521	0.77	0.000	0.776	0.76	1.00	0.76
49.70	134.31	2.988	71.91	1.523	0.77	0.000	0.776	0.76	1.00	0.76
49.75	134.26	2.992	71.86	1.525	0.77	0.000	0.776	0.76	1.00	0.76
49.80	134.21	2.995	71.81	1.526	0.77	0.000	0.776	0.76	1.00	0.76
49.85	134.16	2.998	71.76	1.528	0.77	0.000	0.776	0.76	1.00	0.76
49.90	134.10	3.001	71.70	1.530	0.77	0.000	0.776	0.76	1.00	0.76
49.95	134.05	3.004	71.65	1.531	0.77	0.000	0.776	0.76	1.00	0.76
50.00	134.00	3.007	71.60	1.533	0.77	0.000	0.776	0.76	1.00	0.76
50.05	133.73	3.011	71.33	1.535	0.77	0.000	0.776	0.76	1.00	0.76
50.10	133.46	3.014	71.06	1.537	0.77	0.000	0.776	0.76	1.00	0.76
50.15	133.19	3.017	70.79	1.538	0.77	0.000	0.776	0.76	1.00	0.76
50.20	132.92	3.020	70.52	1.540	0.77	0.000	0.776	0.76	1.00	0.76
50.25	132.65	3.023	70.25	1.542	0.77	0.000	0.776	0.76	1.00	0.76
50.30	132.38	3.026	69.98	1.543	0.76	0.000	0.776	0.76	1.00	0.76
50.35	132.11	3.030	69.71	1.545	0.76	0.000	0.776	0.76	1.00	0.76
50.40	131.83	3.033	69.43	1.546	0.76	0.000	0.776	0.76	1.00	0.76
50.45	131.56	3.036	69.16	1.548	0.76	0.000	0.776	0.76	1.00	0.76

50.50	131.29	3.039	68.89	1.550	0.76	0.000	0.776	0.75	1.00	0.75
50.55	131.02	3.042	68.62	1.551	0.76	0.000	0.776	0.75	1.00	0.75
50.60	130.75	3.045	68.35	1.553	0.76	0.000	0.776	0.75	1.00	0.75
50.65	130.48	3.048	68.08	1.555	0.76	0.000	0.776	0.75	1.00	0.75
50.70	130.21	3.051	67.81	1.556	0.76	0.000	0.776	0.75	1.00	0.75
50.75	129.94	3.054	67.54	1.558	0.76	0.000	0.776	0.75	1.00	0.75
50.80	129.67	3.057	67.27	1.559	0.76	0.000	0.776	0.75	1.00	0.75
50.85	129.40	3.060	67.00	1.561	0.76	0.000	0.776	0.75	1.00	0.75
50.90	129.12	3.063	66.72	1.563	0.76	0.000	0.776	0.75	1.00	0.75
50.95	128.85	3.067	66.45	1.564	0.76	0.000	0.776	0.75	1.00	0.75
51.00	128.58	3.070	66.18	1.566	0.76	0.000	0.776	0.75	1.00	0.75
51.05	128.31	3.073	65.91	1.567	0.76	0.000	0.776	0.75	1.00	0.75
51.10	128.04	3.076	65.64	1.569	0.76	0.000	0.776	0.75	1.00	0.75
51.15	127.77	3.079	65.37	1.570	0.76	0.000	0.776	0.75	1.00	0.75
51.20	127.50	3.082	65.10	1.572	0.76	0.000	0.776	0.75	1.00	0.75
51.25	127.23	3.085	64.83	1.574	0.76	0.000	0.776	0.75	1.00	0.75
51.30	126.96	3.088	64.56	1.575	0.76	0.000	0.776	0.75	1.00	0.75
51.35	126.69	3.091	64.29	1.577	0.76	0.000	0.776	0.75	1.00	0.75
51.40	126.41	3.094	64.01	1.578	0.76	0.000	0.776	0.75	1.00	0.75
51.45	126.14	3.097	63.74	1.580	0.76	0.000	0.776	0.75	1.00	0.75
51.50	125.87	3.100	63.47	1.581	0.75	0.000	0.776	0.75	1.00	0.75
51.55	125.60	3.103	63.20	1.583	0.75	0.000	0.776	0.75	1.00	0.75
51.60	125.33	3.106	62.93	1.584	0.75	0.000	0.776	0.75	1.00	0.75
51.65	125.06	3.109	62.66	1.586	0.75	0.000	0.776	0.75	1.00	0.75
51.70	124.79	3.112	62.39	1.587	0.75	0.000	0.776	0.74	1.00	0.74
51.75	124.52	3.114	62.12	1.589	0.75	0.000	0.776	0.74	1.00	0.74
51.80	124.25	3.117	61.85	1.590	0.75	0.000	0.776	0.74	1.00	0.74
51.85	123.98	3.120	61.58	1.591	0.75	0.000	0.776	0.74	1.00	0.74
51.90	123.70	3.123	61.30	1.593	0.75	0.000	0.776	0.74	1.00	0.74
51.95	123.43	3.126	61.03	1.594	0.75	0.000	0.776	0.74	1.00	0.74
52.00	123.16	3.129	60.76	1.596	0.75	0.000	0.776	0.74	1.00	0.74
52.05	122.89	3.132	60.49	1.597	0.75	0.000	0.776	0.74	1.00	0.74
52.10	122.62	3.135	60.22	1.599	0.75	0.000	0.776	0.74	1.00	0.74
52.15	122.35	3.138	59.95	1.600	0.75	0.000	0.776	0.74	1.00	0.74
52.20	122.08	3.141	59.68	1.602	0.75	0.000	0.776	0.74	1.00	0.74
52.25	121.81	3.144	59.41	1.603	0.75	0.000	0.776	0.74	1.00	0.74
52.30	121.54	3.146	59.14	1.604	0.75	0.000	0.776	0.74	1.00	0.74
52.35	121.27	3.149	58.87	1.606	0.75	0.000	0.776	0.74	1.00	0.74
52.40	120.99	3.152	58.59	1.607	0.75	0.000	0.776	0.74	1.00	0.74
52.45	120.72	3.155	58.32	1.609	0.75	0.000	0.776	0.74	1.00	0.74
52.50	120.45	3.158	58.05	1.610	0.75	0.000	0.776	0.74	1.00	0.74
52.55	120.18	3.161	57.78	1.611	0.75	0.000	0.776	0.74	1.00	0.74
52.60	119.91	3.164	57.51	1.613	0.75	0.000	0.776	0.74	1.00	0.74
52.65	119.64	3.166	57.24	1.614	0.75	0.000	0.776	0.74	1.00	0.74
52.70	119.37	3.169	56.97	1.615	0.75	0.000	0.776	0.74	1.00	0.74
52.75	119.10	3.172	56.70	1.617	0.74	0.000	0.776	0.74	1.00	0.74
52.80	118.83	3.175	56.43	1.618	0.74	0.000	0.776	0.74	1.00	0.74
52.85	118.56	3.178	56.16	1.619	0.74	0.000	0.776	0.74	1.00	0.74
52.90	118.28	3.181	55.88	1.621	0.74	0.000	0.776	0.74	1.00	0.74
52.95	118.01	3.183	55.61	1.622	0.74	0.000	0.776	0.74	1.00	0.74
53.00	117.74	3.186	55.34	1.623	0.74	0.000	0.776	0.74	1.00	0.74
53.05	117.47	3.189	55.07	1.625	0.74	0.000	0.776	0.73	1.00	0.73
53.10	117.20	3.192	54.80	1.626	0.74	0.000	0.776	0.73	1.00	0.73
53.15	116.93	3.194	54.53	1.627	0.74	0.000	0.776	0.73	1.00	0.73
53.20	116.66	3.197	54.26	1.629	0.74	0.000	0.776	0.73	1.00	0.73
53.25	116.39	3.200	53.99	1.630	0.74	0.000	0.776	0.73	1.00	0.73
53.30	116.12	3.203	53.72	1.631	0.74	0.000	0.776	0.73	1.00	0.73
53.35	115.85	3.205	53.45	1.632	0.74	0.000	0.776	0.73	1.00	0.73
53.40	115.57	3.208	53.17	1.634	0.74	0.000	0.776	0.73	1.00	0.73
53.45	115.30	3.211	52.90	1.635	0.74	0.000	0.776	0.73	1.00	0.73
53.50	115.03	3.214	52.63	1.636	0.74	0.000	0.776	0.73	1.00	0.73
53.55	114.76	3.216	52.36	1.637	0.74	0.000	0.776	0.73	1.00	0.73
53.60	114.49	3.219	52.09	1.639	0.74	0.000	0.776	0.73	1.00	0.73
53.65	114.22	3.222	51.82	1.640	0.74	0.000	0.776	0.73	1.00	0.73
53.70	113.95	3.224	51.55	1.641	0.74	0.000	0.776	0.73	1.00	0.73
53.75	113.68	3.227	51.28	1.642	0.74	0.000	0.776	0.73	1.00	0.73
53.80	113.41	3.230	51.01	1.643	0.74	0.000	0.776	0.73	1.00	0.73
53.85	113.14	3.233	50.74	1.645	0.74	0.000	0.776	0.73	1.00	0.73
53.90	112.87	3.235	50.47	1.646	0.74	0.000	0.776	0.73	1.00	0.73
53.95	112.59	3.238	50.19	1.647	0.73	0.000	0.776	0.73	1.00	0.73
54.00	112.32	3.241	49.92	1.648	0.73	0.000	0.776	0.73	1.00	0.73
54.05	112.05	3.243	49.65	1.649	0.73	0.000	0.776	0.73	1.00	0.73
54.10	111.78	3.246	49.38	1.651	0.73	0.000	0.776	0.73	1.00	0.73

54.15	111.51	3.248	49.11	1.652	0.73	0.000	0.776	0.73	1.00	0.73
54.20	111.24	3.251	48.84	1.653	0.73	0.000	0.776	0.73	1.00	0.73
54.25	110.97	3.254	48.57	1.654	0.73	0.000	0.776	0.73	1.00	0.73
54.30	110.70	3.256	48.30	1.655	0.73	0.000	0.776	0.73	1.00	0.73
54.35	110.43	3.259	48.03	1.656	0.73	0.000	0.776	0.73	1.00	0.73
54.40	110.16	3.262	47.76	1.658	0.73	0.000	0.776	0.73	1.00	0.73
54.45	109.88	3.264	47.48	1.659	0.73	0.000	0.776	0.73	1.00	0.73
54.50	109.61	3.267	47.21	1.660	0.73	0.000	0.776	0.73	1.00	0.73
54.55	109.34	3.269	46.94	1.661	0.73	0.000	0.776	0.72	1.00	0.72
54.60	109.07	3.272	46.67	1.662	0.73	0.000	0.776	0.72	1.00	0.72
54.65	108.80	3.275	46.40	1.663	0.73	0.000	0.776	0.72	1.00	0.72
54.70	108.53	3.277	46.13	1.664	0.73	0.000	0.776	0.72	1.00	0.72
54.75	108.26	3.280	45.86	1.665	0.73	0.000	0.776	0.72	1.00	0.72
54.80	107.99	3.282	45.59	1.666	0.73	0.000	0.776	0.72	1.00	0.72
54.85	107.72	3.285	45.32	1.667	0.73	0.000	0.776	0.72	1.00	0.72
54.90	107.45	3.287	45.05	1.669	0.73	0.000	0.776	0.72	1.00	0.72
54.95	107.17	3.290	44.77	1.670	0.73	0.000	0.776	0.72	1.00	0.72
55.00	106.90	3.292	44.50	1.671	0.73	0.000	0.776	0.72	1.00	0.72
55.05	106.91	3.295	44.51	1.672	0.73	0.000	0.776	0.72	1.00	0.72
55.10	106.91	3.297	44.51	1.673	0.73	0.000	0.776	0.72	1.00	0.72
55.15	106.92	3.300	44.52	1.674	0.73	0.000	0.776	0.72	1.00	0.72
55.20	106.92	3.303	44.52	1.675	0.72	0.000	0.776	0.72	1.00	0.72
55.25	106.93	3.305	44.53	1.676	0.72	0.000	0.776	0.72	1.00	0.72
55.30	106.94	3.308	44.54	1.677	0.72	0.000	0.776	0.72	1.00	0.72
55.35	106.94	3.310	44.54	1.678	0.72	0.000	0.776	0.72	1.00	0.72
55.40	106.95	3.313	44.55	1.679	0.72	0.000	0.776	0.72	1.00	0.72
55.45	106.95	3.315	44.55	1.680	0.72	0.000	0.776	0.72	1.00	0.72
55.50	106.96	3.318	44.56	1.681	0.72	0.000	0.776	0.72	1.00	0.72
55.55	106.97	3.320	44.57	1.682	0.72	0.000	0.776	0.72	1.00	0.72
55.60	106.97	3.323	44.57	1.683	0.72	0.000	0.776	0.72	1.00	0.72
55.65	106.98	3.325	44.58	1.684	0.72	0.000	0.776	0.72	1.00	0.72
55.70	106.98	3.328	44.58	1.685	0.72	0.000	0.776	0.72	1.00	0.72
55.75	106.99	3.330	44.59	1.686	0.72	0.000	0.776	0.72	1.00	0.72
55.80	107.00	3.333	44.60	1.687	0.72	0.000	0.776	0.72	1.00	0.72
55.85	107.00	3.335	44.60	1.689	0.72	0.000	0.776	0.72	1.00	0.72
55.90	107.01	3.338	44.61	1.690	0.72	0.000	0.776	0.72	1.00	0.72
55.95	107.01	3.340	44.61	1.691	0.72	0.000	0.776	0.72	1.00	0.72
56.00	107.02	3.343	44.62	1.692	0.72	0.000	0.776	0.72	1.00	0.72
56.05	107.03	3.345	44.63	1.693	0.72	0.000	0.776	0.72	1.00	0.72
56.10	107.03	3.348	44.63	1.694	0.72	0.000	0.776	0.72	1.00	0.72
56.15	107.04	3.351	44.64	1.695	0.72	0.000	0.776	0.72	1.00	0.72
56.20	107.04	3.353	44.64	1.696	0.72	0.000	0.776	0.71	1.00	0.71
56.25	107.05	3.356	44.65	1.697	0.72	0.000	0.776	0.71	1.00	0.71
56.30	107.06	3.358	44.66	1.698	0.72	0.000	0.776	0.71	1.00	0.71
56.35	107.06	3.361	44.66	1.699	0.72	0.000	0.776	0.71	1.00	0.71
56.40	107.07	3.363	44.67	1.700	0.72	0.000	0.776	0.71	1.00	0.71
56.45	107.07	3.366	44.67	1.701	0.71	0.000	0.776	0.71	1.00	0.71
56.50	107.08	3.368	44.68	1.702	0.71	0.000	0.776	0.71	1.00	0.71
56.55	107.09	3.371	44.69	1.703	0.71	0.000	0.776	0.71	1.00	0.71
56.60	107.09	3.373	44.69	1.704	0.71	0.000	0.776	0.71	1.00	0.71
56.65	107.10	3.376	44.70	1.705	0.71	0.000	0.776	0.71	1.00	0.71
56.70	107.10	3.378	44.70	1.706	0.71	0.000	0.776	0.71	1.00	0.71
56.75	107.11	3.381	44.71	1.708	0.71	0.000	0.776	0.71	1.00	0.71
56.80	107.12	3.383	44.72	1.709	0.71	0.000	0.776	0.71	1.00	0.71
56.85	107.12	3.386	44.72	1.710	0.71	0.000	0.776	0.71	1.00	0.71
56.90	107.13	3.388	44.73	1.711	0.71	0.000	0.776	0.71	1.00	0.71
56.95	107.13	3.391	44.73	1.712	0.71	0.000	0.776	0.71	1.00	0.71
57.00	107.14	3.394	44.74	1.713	0.71	0.000	0.776	0.71	1.00	0.71
57.05	107.15	3.396	44.75	1.714	0.71	0.000	0.776	0.71	1.00	0.71
57.10	107.15	3.399	44.75	1.715	0.71	0.000	0.776	0.71	1.00	0.71
57.15	107.16	3.401	44.76	1.716	0.71	0.000	0.776	0.71	1.00	0.71
57.20	107.16	3.404	44.76	1.717	0.71	0.000	0.776	0.71	1.00	0.71
57.25	107.17	3.406	44.77	1.718	0.71	0.000	0.776	0.71	1.00	0.71
57.30	107.18	3.409	44.78	1.719	0.71	0.000	0.776	0.71	1.00	0.71
57.35	107.18	3.411	44.78	1.720	0.71	0.000	0.776	0.71	1.00	0.71
57.40	107.19	3.414	44.79	1.721	0.71	0.000	0.776	0.71	1.00	0.71
57.45	107.19	3.416	44.79	1.722	0.71	0.000	0.776	0.71	1.00	0.71
57.50	107.20	3.419	44.80	1.723	0.71	0.000	0.776	0.71	1.00	0.71
57.55	107.21	3.421	44.81	1.724	0.71	0.000	0.776	0.71	1.00	0.71
57.60	107.21	3.424	44.81	1.725	0.71	0.000	0.776	0.71	1.00	0.71
57.65	107.22	3.426	44.82	1.727	0.70	0.000	0.776	0.71	1.00	0.71
57.70	107.22	3.429	44.82	1.728	0.70	0.000	0.776	0.71	1.00	0.71
57.75	107.23	3.432	44.83	1.729	0.70	0.000	0.776	0.70	1.00	0.70

57.80	107.24	3.434	44.84	1.730	0.70	0.000	0.776	0.70	1.00	0.70
57.85	107.24	3.437	44.84	1.731	0.70	0.000	0.776	0.70	1.00	0.70
57.90	107.25	3.439	44.85	1.732	0.70	0.000	0.776	0.70	1.00	0.70
57.95	107.25	3.442	44.85	1.733	0.70	0.000	0.776	0.70	1.00	0.70
58.00	107.26	3.444	44.86	1.734	0.70	0.000	0.776	0.70	1.00	0.70
58.05	107.27	3.447	44.87	1.735	0.70	0.000	0.776	0.70	1.00	0.70
58.10	107.27	3.449	44.87	1.736	0.70	0.000	0.776	0.70	1.00	0.70
58.15	107.28	3.452	44.88	1.737	0.70	0.000	0.776	0.70	1.00	0.70
58.20	107.28	3.454	44.88	1.738	0.70	0.000	0.776	0.70	1.00	0.70
58.25	107.29	3.457	44.89	1.739	0.70	0.000	0.776	0.70	1.00	0.70
58.30	107.30	3.459	44.90	1.740	0.70	0.000	0.776	0.70	1.00	0.70
58.35	107.30	3.462	44.90	1.741	0.70	0.000	0.776	0.70	1.00	0.70
58.40	107.31	3.464	44.91	1.742	0.70	0.000	0.776	0.70	1.00	0.70
58.45	107.31	3.467	44.91	1.744	0.70	0.000	0.776	0.70	1.00	0.70
58.50	107.32	3.470	44.92	1.745	0.70	0.000	0.776	0.70	1.00	0.70
58.55	107.33	3.472	44.93	1.746	0.70	0.000	0.776	0.70	1.00	0.70
58.60	107.33	3.475	44.93	1.747	0.70	0.000	0.776	0.70	1.00	0.70
58.65	107.34	3.477	44.94	1.748	0.70	0.000	0.776	0.70	1.00	0.70
58.70	107.34	3.480	44.94	1.749	0.70	0.000	0.776	0.70	1.00	0.70
58.75	107.35	3.482	44.95	1.750	0.70	0.000	0.776	0.70	1.00	0.70
58.80	107.36	3.485	44.96	1.751	0.70	0.000	0.776	0.70	1.00	0.70
58.85	107.36	3.487	44.96	1.752	0.70	0.000	0.776	0.70	1.00	0.70
58.90	107.37	3.490	44.97	1.753	0.69	0.000	0.776	0.70	1.00	0.70
58.95	107.37	3.492	44.97	1.754	0.69	0.000	0.776	0.70	1.00	0.70
59.00	107.38	3.495	44.98	1.755	0.69	0.000	0.776	0.70	1.00	0.70
59.05	107.39	3.497	44.99	1.756	0.69	0.000	0.776	0.70	1.00	0.70
59.10	107.39	3.500	44.99	1.757	0.69	0.000	0.776	0.70	1.00	0.70
59.15	107.40	3.503	45.00	1.758	0.69	0.000	0.776	0.70	1.00	0.70
59.20	107.40	3.505	45.00	1.759	0.69	0.000	0.776	0.70	1.00	0.70
59.25	107.41	3.508	45.01	1.760	0.69	0.000	0.776	0.70	1.00	0.70
59.30	107.42	3.510	45.02	1.762	0.69	0.000	0.776	0.69	1.00	0.69
59.35	107.42	3.513	45.02	1.763	0.69	0.000	0.776	0.69	1.00	0.69
59.40	107.43	3.515	45.03	1.764	0.69	0.000	0.776	0.69	1.00	0.69
59.45	107.43	3.518	45.03	1.765	0.69	0.000	0.776	0.69	1.00	0.69
59.50	107.44	3.520	45.04	1.766	0.69	0.000	0.776	0.69	1.00	0.69
59.55	107.45	3.523	45.05	1.767	0.69	0.000	0.776	0.69	1.00	0.69
59.60	107.45	3.525	45.05	1.768	0.69	0.000	0.776	0.69	1.00	0.69
59.65	107.46	3.528	45.06	1.769	0.69	0.000	0.776	0.69	1.00	0.69
59.70	107.46	3.530	45.06	1.770	0.69	0.000	0.776	0.69	1.00	0.69
59.75	107.47	3.533	45.07	1.771	0.69	0.000	0.776	0.69	1.00	0.69
59.80	107.48	3.536	45.08	1.772	0.69	0.000	0.776	0.69	1.00	0.69
59.85	107.48	3.538	45.08	1.773	0.69	0.000	0.776	0.69	1.00	0.69
59.90	107.49	3.541	45.09	1.774	0.69	0.000	0.776	0.69	1.00	0.69
59.95	107.49	3.543	45.09	1.775	0.69	0.000	0.776	0.69	1.00	0.69
60.00	107.50	3.546	45.10	1.776	0.69	0.000	0.776	0.69	1.00	0.69
60.05	107.48	3.548	45.08	1.778	0.69	0.000	0.776	0.69	1.00	0.69
60.10	107.46	3.551	45.06	1.779	0.68	0.000	0.776	0.69	1.00	0.69
60.15	107.44	3.553	45.04	1.780	0.68	0.000	0.776	0.69	1.00	0.69
60.20	107.42	3.556	45.02	1.781	0.68	0.000	0.776	0.69	1.00	0.69
60.25	107.40	3.558	45.00	1.782	0.68	0.000	0.776	0.69	1.00	0.69
60.30	107.37	3.561	44.97	1.783	0.68	0.000	0.776	0.69	1.00	0.69
60.35	107.35	3.563	44.95	1.784	0.68	0.000	0.776	0.69	1.00	0.69
60.40	107.33	3.566	44.93	1.785	0.68	0.000	0.776	0.69	1.00	0.69
60.45	107.31	3.569	44.91	1.786	0.68	0.000	0.776	0.69	1.00	0.69
60.50	107.29	3.571	44.89	1.787	0.68	0.000	0.776	0.69	1.00	0.69
60.55	107.27	3.574	44.87	1.788	0.68	0.000	0.776	0.69	1.00	0.69
60.60	107.25	3.576	44.85	1.789	0.68	0.000	0.776	0.69	1.00	0.69
60.65	107.23	3.579	44.83	1.790	0.68	0.000	0.776	0.69	1.00	0.69
60.70	107.21	3.581	44.81	1.791	0.68	0.000	0.776	0.69	1.00	0.69
60.75	107.19	3.584	44.79	1.792	0.68	0.000	0.776	0.69	1.00	0.69
60.80	107.16	3.586	44.76	1.793	0.68	0.000	0.776	0.69	1.00	0.69
60.85	107.14	3.589	44.74	1.795	0.68	0.000	0.776	0.68	1.00	0.68
60.90	107.12	3.591	44.72	1.796	0.68	0.000	0.776	0.68	1.00	0.68
60.95	107.10	3.594	44.70	1.797	0.68	0.000	0.776	0.68	1.00	0.68
61.00	107.08	3.596	44.68	1.798	0.68	0.000	0.776	0.68	1.00	0.68
61.05	107.06	3.599	44.66	1.799	0.68	0.000	0.776	0.68	1.00	0.68
61.10	107.04	3.601	44.64	1.800	0.68	0.000	0.776	0.68	1.00	0.68
61.15	107.02	3.604	44.62	1.801	0.68	0.000	0.776	0.68	1.00	0.68
61.20	107.00	3.606	44.60	1.802	0.68	0.000	0.776	0.68	1.00	0.68
61.25	106.98	3.609	44.58	1.803	0.68	0.000	0.776	0.68	1.00	0.68
61.30	106.95	3.612	44.55	1.804	0.68	0.000	0.776	0.68	1.00	0.68
61.35	106.93	3.614	44.53	1.805	0.67	0.000	0.776	0.68	1.00	0.68
61.40	106.91	3.617	44.51	1.806	0.67	0.000	0.776	0.68	1.00	0.68

61.45	106.89	3.619	44.49	1.807	0.67	0.000	0.776	0.68	1.00	0.68
61.50	106.87	3.622	44.47	1.808	0.67	0.000	0.776	0.68	1.00	0.68
61.55	106.85	3.624	44.45	1.809	0.67	0.000	0.776	0.68	1.00	0.68
61.60	106.83	3.627	44.43	1.810	0.67	0.000	0.776	0.68	1.00	0.68
61.65	106.81	3.629	44.41	1.811	0.67	0.000	0.776	0.68	1.00	0.68
61.70	106.79	3.632	44.39	1.812	0.67	0.000	0.776	0.68	1.00	0.68
61.75	106.77	3.634	44.37	1.813	0.67	0.000	0.776	0.68	1.00	0.68
61.80	106.74	3.637	44.34	1.815	0.67	0.000	0.776	0.68	1.00	0.68
61.85	106.72	3.639	44.32	1.816	0.67	0.000	0.776	0.68	1.00	0.68
61.90	106.70	3.642	44.30	1.817	0.67	0.000	0.776	0.68	1.00	0.68
61.95	106.68	3.644	44.28	1.818	0.67	0.000	0.776	0.68	1.00	0.68
62.00	106.66	3.647	44.26	1.819	0.67	0.000	0.776	0.68	1.00	0.68
62.05	106.64	3.649	44.24	1.820	0.67	0.000	0.776	0.68	1.00	0.68
62.10	106.62	3.652	44.22	1.821	0.67	0.000	0.776	0.68	1.00	0.68
62.15	106.60	3.654	44.20	1.822	0.67	0.000	0.776	0.68	1.00	0.68
62.20	106.58	3.657	44.18	1.823	0.67	0.000	0.776	0.68	1.00	0.68
62.25	106.56	3.659	44.16	1.824	0.67	0.000	0.776	0.68	1.00	0.68
62.30	106.53	3.662	44.13	1.825	0.67	0.000	0.776	0.68	1.00	0.68
62.35	106.51	3.665	44.11	1.826	0.67	0.000	0.776	0.67	1.00	0.67
62.40	106.49	3.667	44.09	1.827	0.67	0.000	0.776	0.67	1.00	0.67
62.45	106.47	3.670	44.07	1.828	0.67	0.000	0.776	0.67	1.00	0.67
62.50	106.45	3.672	44.05	1.829	0.67	0.000	0.776	0.67	1.00	0.67
62.55	106.43	3.675	44.03	1.830	0.66	0.000	0.776	0.67	1.00	0.67
62.60	106.41	3.677	44.01	1.831	0.66	0.000	0.776	0.67	1.00	0.67
62.65	106.39	3.680	43.99	1.832	0.66	0.000	0.776	0.67	1.00	0.67
62.70	106.37	3.682	43.97	1.833	0.66	0.000	0.776	0.67	1.00	0.67
62.75	106.35	3.685	43.95	1.834	0.66	0.000	0.776	0.67	1.00	0.67
62.80	106.32	3.687	43.92	1.835	0.66	0.000	0.776	0.67	1.00	0.67
62.85	106.30	3.690	43.90	1.836	0.66	0.000	0.776	0.67	1.00	0.67
62.90	106.28	3.692	43.88	1.837	0.66	0.000	0.776	0.67	1.00	0.67
62.95	106.26	3.695	43.86	1.838	0.66	0.000	0.776	0.67	1.00	0.67
63.00	106.24	3.697	43.84	1.840	0.66	0.000	0.776	0.67	1.00	0.67
63.05	106.22	3.700	43.82	1.841	0.66	0.000	0.776	0.67	1.00	0.67
63.10	106.20	3.702	43.80	1.842	0.66	0.000	0.776	0.67	1.00	0.67
63.15	106.18	3.705	43.78	1.843	0.66	0.000	0.776	0.67	1.00	0.67
63.20	106.16	3.707	43.76	1.844	0.66	0.000	0.776	0.67	1.00	0.67
63.25	106.14	3.710	43.74	1.845	0.66	0.000	0.776	0.67	1.00	0.67
63.30	106.11	3.712	43.71	1.846	0.66	0.000	0.776	0.67	1.00	0.67
63.35	106.09	3.715	43.69	1.847	0.66	0.000	0.776	0.67	1.00	0.67
63.40	106.07	3.717	43.67	1.848	0.66	0.000	0.776	0.67	1.00	0.67
63.45	106.05	3.720	43.65	1.849	0.66	0.000	0.776	0.67	1.00	0.67
63.50	106.03	3.722	43.63	1.850	0.66	0.000	0.776	0.67	1.00	0.67
63.55	106.01	3.725	43.61	1.851	0.66	0.000	0.776	0.67	1.00	0.67
63.60	105.99	3.727	43.59	1.852	0.66	0.000	0.776	0.67	1.00	0.67
63.65	105.97	3.730	43.57	1.853	0.66	0.000	0.776	0.67	1.00	0.67
63.70	105.95	3.732	43.55	1.854	0.66	0.000	0.776	0.67	1.00	0.67
63.75	105.93	3.735	43.53	1.855	0.66	0.000	0.776	0.67	1.00	0.67
63.80	105.90	3.737	43.50	1.856	0.65	0.000	0.776	0.67	1.00	0.67
63.85	105.88	3.740	43.48	1.857	0.65	0.000	0.776	0.66	1.00	0.66
63.90	105.86	3.742	43.46	1.858	0.65	0.000	0.776	0.66	1.00	0.66
63.95	105.84	3.745	43.44	1.859	0.65	0.000	0.776	0.66	1.00	0.66
64.00	105.82	3.747	43.42	1.860	0.65	0.000	0.776	0.66	1.00	0.66
64.05	105.80	3.750	43.40	1.861	0.65	0.000	0.776	0.66	1.00	0.66
64.10	105.78	3.752	43.38	1.862	0.65	0.000	0.776	0.66	1.00	0.66
64.15	105.76	3.755	43.36	1.863	0.65	0.000	0.776	0.66	1.00	0.66
64.20	105.74	3.757	43.34	1.864	0.65	0.000	0.776	0.66	1.00	0.66
64.25	105.72	3.760	43.32	1.865	0.65	0.000	0.776	0.66	1.00	0.66
64.30	105.69	3.762	43.29	1.866	0.65	0.000	0.776	0.66	1.00	0.66
64.35	105.67	3.765	43.27	1.867	0.65	0.000	0.776	0.66	1.00	0.66
64.40	105.65	3.767	43.25	1.868	0.65	0.000	0.776	0.66	1.00	0.66
64.45	105.63	3.770	43.23	1.869	0.65	0.000	0.776	0.66	1.00	0.66
64.50	105.61	3.772	43.21	1.870	0.65	0.000	0.776	0.66	1.00	0.66
64.55	105.59	3.775	43.19	1.871	0.65	0.000	0.776	0.66	1.00	0.66
64.60	105.57	3.777	43.17	1.872	0.65	0.000	0.776	0.66	1.00	0.66
64.65	105.55	3.780	43.15	1.873	0.65	0.000	0.776	0.66	1.00	0.66
64.70	105.53	3.782	43.13	1.874	0.65	0.000	0.776	0.66	1.00	0.66
64.75	105.51	3.785	43.11	1.875	0.65	0.000	0.776	0.66	1.00	0.66
64.80	105.48	3.787	43.08	1.877	0.65	0.000	0.776	0.66	1.00	0.66
64.85	105.46	3.790	43.06	1.878	0.65	0.000	0.776	0.66	1.00	0.66
64.90	105.44	3.792	43.04	1.879	0.65	0.000	0.776	0.66	1.00	0.66
64.95	105.42	3.795	43.02	1.880	0.65	0.000	0.776	0.66	1.00	0.66
65.00	105.40	3.797	43.00	1.881	0.65	0.000	0.776	0.66	1.00	0.66

CSR is based on water table at 0.00 during earthquake

CRR Calculation from SPT or BPT data:

Depth ft	SPT	Cebs	Cr	sigma' atm	Cn	(N1)60	Fines %	d(N1)60	(N1)60f	CRR7.5
10.00	13.00	1.96	0.85	0.622	1.27	27.46	0.00	0.00	27.46	0.33
10.05	13.00	1.96	0.85	0.625	1.26	27.39	0.00	0.00	27.39	0.33
10.10	13.00	1.96	0.85	0.628	1.26	27.32	0.00	0.00	27.32	0.33
10.15	13.00	1.96	0.85	0.631	1.26	27.26	0.00	0.00	27.26	0.33
10.20	13.00	1.96	0.85	0.634	1.26	27.19	0.00	0.00	27.19	0.32
10.25	13.00	1.96	0.85	0.637	1.25	27.12	0.00	0.00	27.12	0.32
10.30	13.00	1.96	0.85	0.640	1.25	27.06	0.00	0.00	27.06	0.32
10.35	13.00	1.96	0.85	0.644	1.25	26.99	0.00	0.00	26.99	0.32
10.40	13.00	1.96	0.85	0.647	1.24	26.93	0.00	0.00	26.93	0.32
10.45	13.00	1.96	0.85	0.650	1.24	26.86	0.00	0.00	26.86	0.32
10.50	13.00	1.96	0.85	0.653	1.24	26.80	0.00	0.00	26.80	0.32
10.55	13.00	1.96	0.85	0.656	1.23	26.74	0.00	0.00	26.74	0.31
10.60	13.00	1.96	0.85	0.659	1.23	26.68	0.00	0.00	26.68	0.31
10.65	13.00	1.96	0.85	0.662	1.23	26.61	0.00	0.00	26.61	0.31
10.70	13.00	1.96	0.85	0.665	1.23	26.55	0.00	0.00	26.55	0.31
10.75	13.00	1.96	0.85	0.668	1.22	26.49	0.00	0.00	26.49	0.31
10.80	13.00	1.96	0.85	0.671	1.22	26.43	0.00	0.00	26.43	0.31
10.85	13.00	1.96	0.85	0.674	1.22	26.37	0.00	0.00	26.37	0.31
10.90	13.00	1.96	0.85	0.677	1.22	26.31	0.00	0.00	26.31	0.31
10.95	13.00	1.96	0.85	0.680	1.21	26.25	0.00	0.00	26.25	0.30
11.00	13.00	1.96	0.85	0.683	1.21	26.19	0.00	0.00	26.19	0.30
11.05	13.00	1.96	0.85	0.686	1.21	26.14	0.00	0.00	26.14	0.30
11.10	13.00	1.96	0.85	0.689	1.20	26.08	0.00	0.00	26.08	0.30
11.15	13.00	1.96	0.85	0.692	1.20	26.02	0.00	0.00	26.02	0.30
11.20	13.00	1.96	0.85	0.696	1.20	25.96	0.00	0.00	25.96	0.30
11.25	13.00	1.96	0.85	0.699	1.20	25.91	0.00	0.00	25.91	0.30
11.30	13.00	1.96	0.85	0.702	1.19	25.85	0.00	0.00	25.85	0.30
11.35	13.00	1.96	0.85	0.705	1.19	25.80	0.00	0.00	25.80	0.30
11.40	13.00	1.96	0.85	0.708	1.19	25.74	0.00	0.00	25.74	0.30
11.45	13.00	1.96	0.85	0.711	1.19	25.69	0.00	0.00	25.69	0.29
11.50	13.00	1.96	0.85	0.714	1.18	25.63	0.00	0.00	25.63	0.29
11.55	13.00	1.96	0.85	0.717	1.18	25.58	0.00	0.00	25.58	0.29
11.60	13.00	1.96	0.85	0.720	1.18	25.53	0.00	0.00	25.53	0.29
11.65	13.00	1.96	0.85	0.723	1.18	25.47	0.00	0.00	25.47	0.29
11.70	13.00	1.96	0.85	0.726	1.17	25.42	0.00	0.00	25.42	0.29
11.75	13.00	1.96	0.85	0.729	1.17	25.37	0.00	0.00	25.37	0.29
11.80	13.00	1.96	0.85	0.732	1.17	25.32	0.00	0.00	25.32	0.29
11.85	13.00	1.96	0.85	0.735	1.17	25.27	0.00	0.00	25.27	0.29
11.90	13.00	1.96	0.85	0.737	1.16	25.21	0.00	0.00	25.21	0.29
11.95	13.00	1.96	0.85	0.740	1.16	25.16	0.00	0.00	25.16	0.29
12.00	13.00	1.96	0.85	0.743	1.16	25.11	0.00	0.00	25.11	0.28
12.05	13.00	1.96	0.85	0.746	1.16	25.06	0.00	0.00	25.06	0.28
12.10	13.00	1.96	0.85	0.749	1.16	25.01	0.00	0.00	25.01	0.28
12.15	13.00	1.96	0.85	0.752	1.15	24.96	0.00	0.00	24.96	0.28
12.20	13.00	1.96	0.85	0.755	1.15	24.92	0.00	0.00	24.92	0.28
12.25	13.00	1.96	0.85	0.758	1.15	24.87	0.00	0.00	24.87	0.28
12.30	13.00	1.96	0.85	0.761	1.15	24.82	0.00	0.00	24.82	0.28
12.35	13.00	1.96	0.85	0.764	1.14	24.77	0.00	0.00	24.77	0.28
12.40	13.00	1.96	0.85	0.767	1.14	24.72	0.00	0.00	24.72	0.28
12.45	13.00	1.96	0.85	0.770	1.14	24.68	0.00	0.00	24.68	0.28
12.50	13.00	1.96	0.85	0.773	1.14	24.63	0.00	0.00	24.63	0.28
12.55	13.00	1.96	0.85	0.776	1.14	24.58	0.00	0.00	24.58	0.28
12.60	13.00	1.96	0.85	0.779	1.13	24.54	0.00	0.00	24.54	0.28
12.65	13.00	1.96	0.85	0.782	1.13	24.49	0.00	0.00	24.49	0.27
12.70	13.00	1.96	0.85	0.785	1.13	24.45	0.00	0.00	24.45	0.27
12.75	13.00	1.96	0.85	0.788	1.13	24.40	0.00	0.00	24.40	0.27
12.80	13.00	1.96	0.85	0.790	1.12	24.36	0.00	0.00	24.36	0.27
12.85	13.00	1.96	0.85	0.793	1.12	24.31	0.00	0.00	24.31	0.27
12.90	13.00	1.96	0.85	0.796	1.12	24.27	0.00	0.00	24.27	0.27
12.95	13.00	1.96	0.85	0.799	1.12	24.22	0.00	0.00	24.22	0.27
13.00	13.00	1.96	0.85	0.802	1.12	24.18	0.00	0.00	24.18	0.27
13.05	13.00	1.96	0.85	0.805	1.11	24.13	0.00	0.00	24.13	0.27
13.10	13.00	1.96	0.85	0.808	1.11	24.09	0.00	0.00	24.09	0.27
13.15	13.00	1.96	0.85	0.811	1.11	24.05	0.00	0.00	24.05	0.27
13.20	13.00	1.96	0.85	0.814	1.11	24.01	0.00	0.00	24.01	0.27
13.25	13.00	1.96	0.85	0.817	1.11	23.96	0.00	0.00	23.96	0.27
13.30	13.00	1.96	0.85	0.819	1.10	23.92	0.00	0.00	23.92	0.27

13.35	13.00	1.96	0.85	0.822	1.10	23.88	0.00	0.00	23.88	0.27
13.40	13.00	1.96	0.85	0.825	1.10	23.84	0.00	0.00	23.84	0.26
13.45	13.00	1.96	0.85	0.828	1.10	23.80	0.00	0.00	23.80	0.26
13.50	13.00	1.96	0.85	0.831	1.10	23.76	0.00	0.00	23.76	0.26
13.55	13.00	1.96	0.85	0.834	1.10	23.71	0.00	0.00	23.71	0.26
13.60	13.00	1.96	0.85	0.837	1.09	23.67	0.00	0.00	23.67	0.26
13.65	13.00	1.96	0.85	0.839	1.09	23.63	0.00	0.00	23.63	0.26
13.70	13.00	1.96	0.85	0.842	1.09	23.59	0.00	0.00	23.59	0.26
13.75	13.00	1.96	0.85	0.845	1.09	23.55	0.00	0.00	23.55	0.26
13.80	13.00	1.96	0.85	0.848	1.09	23.52	0.00	0.00	23.52	0.26
13.85	13.00	1.96	0.85	0.851	1.08	23.48	0.00	0.00	23.48	0.26
13.90	13.00	1.96	0.85	0.854	1.08	23.44	0.00	0.00	23.44	0.26
13.95	13.00	1.96	0.85	0.856	1.08	23.40	0.00	0.00	23.40	0.26
14.00	13.00	1.96	0.85	0.859	1.08	23.36	0.00	0.00	23.36	0.26
14.05	13.00	1.96	0.85	0.862	1.08	23.32	0.00	0.00	23.32	0.26
14.10	13.00	1.96	0.85	0.865	1.08	23.28	0.00	0.00	23.28	0.26
14.15	13.00	1.96	0.85	0.868	1.07	23.25	0.00	0.00	23.25	0.26
14.20	13.00	1.96	0.85	0.871	1.07	23.21	0.00	0.00	23.21	0.26
14.25	13.00	1.96	0.85	0.873	1.07	23.17	0.00	0.00	23.17	0.26
14.30	13.00	1.96	0.85	0.876	1.07	23.13	0.00	0.00	23.13	0.25
14.35	13.00	1.96	0.85	0.879	1.07	23.10	0.00	0.00	23.10	0.25
14.40	13.00	1.96	0.85	0.882	1.06	23.06	0.00	0.00	23.06	0.25
14.45	13.00	1.96	0.85	0.885	1.06	23.02	0.00	0.00	23.02	0.25
14.50	13.00	1.96	0.85	0.887	1.06	22.99	0.00	0.00	22.99	0.25
14.55	13.00	1.96	0.85	0.890	1.06	22.95	0.00	0.00	22.95	0.25
14.60	13.00	1.96	0.85	0.893	1.06	22.92	0.00	0.00	22.92	0.25
14.65	13.00	1.96	0.85	0.896	1.06	22.88	0.00	0.00	22.88	0.25
14.70	13.00	1.96	0.85	0.898	1.06	22.84	0.00	0.00	22.84	0.25
14.75	13.00	1.96	0.85	0.901	1.05	22.81	0.00	0.00	22.81	0.25
14.80	13.00	1.96	0.95	0.904	1.05	25.45	0.00	0.00	25.45	0.29
14.85	13.00	1.96	0.95	0.907	1.05	25.41	0.00	0.00	25.41	0.29
14.90	13.00	1.96	0.95	0.910	1.05	25.38	0.00	0.00	25.38	0.29
14.95	13.00	1.96	0.95	0.912	1.05	25.34	0.00	0.00	25.34	0.29
15.00	13.00	1.96	0.95	0.915	1.05	25.30	0.00	0.00	25.30	0.29
15.05	12.90	1.96	0.95	0.918	1.04	25.07	1.01	0.00	25.07	0.28
15.10	12.80	1.96	0.95	0.921	1.04	24.84	2.02	0.00	24.84	0.28
15.15	12.70	1.96	0.95	0.923	1.04	24.61	3.03	0.00	24.61	0.28
15.20	12.60	1.96	0.95	0.926	1.04	24.38	4.04	0.00	24.38	0.27
15.25	12.50	1.96	0.95	0.929	1.04	24.15	5.05	0.04	24.18	0.27
15.30	12.40	1.96	0.95	0.932	1.04	23.92	6.06	0.15	24.07	0.27
15.35	12.30	1.96	0.95	0.934	1.03	23.69	7.07	0.34	24.03	0.27
15.40	12.20	1.96	0.95	0.937	1.03	23.46	8.08	0.62	24.08	0.27
15.45	12.10	1.96	0.95	0.940	1.03	23.24	9.09	0.99	24.22	0.27
15.50	12.00	1.96	0.95	0.943	1.03	23.01	10.10	1.41	24.42	0.27
15.55	11.90	1.96	0.95	0.945	1.03	22.78	11.11	1.86	24.65	0.28
15.60	11.80	1.96	0.95	0.948	1.03	22.56	12.12	2.32	24.88	0.28
15.65	11.70	1.96	0.95	0.951	1.03	22.34	13.13	2.77	25.11	0.28
15.70	11.60	1.96	0.95	0.954	1.02	22.11	14.14	3.20	25.32	0.29
15.75	11.50	1.96	0.95	0.956	1.02	21.89	15.15	3.61	25.50	0.29
15.80	11.40	1.96	0.95	0.959	1.02	21.67	16.16	4.00	25.67	0.29
15.85	11.30	1.96	0.95	0.962	1.02	21.45	17.17	4.36	25.81	0.30
15.90	11.20	1.96	0.95	0.965	1.02	21.23	18.18	4.70	25.93	0.30
15.95	11.10	1.96	0.95	0.968	1.02	21.01	19.19	5.03	26.03	0.30
16.00	11.00	1.96	0.95	0.970	1.02	20.79	20.20	5.33	26.12	0.30
16.05	10.90	1.96	0.95	0.973	1.01	20.57	21.21	5.61	26.18	0.30
16.10	10.80	1.96	0.95	0.976	1.01	20.35	22.22	5.88	26.24	0.30
16.15	10.70	1.96	0.95	0.979	1.01	20.14	23.23	6.14	26.28	0.30
16.20	10.60	1.96	0.95	0.981	1.01	19.92	24.24	6.38	26.30	0.31
16.25	10.50	1.96	0.95	0.984	1.01	19.70	25.25	6.62	26.32	0.31
16.30	10.40	1.96	0.95	0.987	1.01	19.49	26.26	6.84	26.33	0.31
16.35	10.30	1.96	0.95	0.990	1.01	19.27	27.27	7.05	26.33	0.31
16.40	10.20	1.96	0.95	0.993	1.00	19.06	28.28	7.26	26.32	0.31
16.45	10.10	1.96	0.95	0.995	1.00	18.85	29.29	7.46	26.30	0.31
16.50	10.00	1.96	0.95	0.998	1.00	18.63	30.30	7.65	26.28	0.31
16.55	9.90	1.96	0.95	1.001	1.00	18.42	31.31	7.83	26.25	0.30
16.60	9.80	1.96	0.95	1.004	1.00	18.21	32.32	8.01	26.22	0.30
16.65	9.70	1.96	0.95	1.006	1.00	18.00	33.33	8.18	26.18	0.30
16.70	9.60	1.96	0.95	1.009	1.00	17.79	34.34	8.35	26.14	0.30
16.75	9.50	1.96	0.95	1.012	0.99	17.58	35.35	8.52	26.10	0.30
16.80	9.40	1.96	0.95	1.015	0.99	17.37	36.36	8.47	25.84	0.30
16.85	9.30	1.96	0.95	1.018	0.99	17.16	37.37	8.43	25.59	0.29
16.90	9.20	1.96	0.95	1.020	0.99	16.95	38.38	8.39	25.35	0.29
16.95	9.10	1.96	0.95	1.023	0.99	16.75	39.39	8.35	25.10	0.28

17.00	9.00	1.96	0.95	1.026	0.99	16.54	40.40	8.31	24.85	0.28
17.05	8.90	1.96	0.95	1.029	0.99	16.33	41.41	8.27	24.60	0.28
17.10	8.80	1.96	0.95	1.032	0.98	16.13	42.42	8.23	24.35	0.27
17.15	8.70	1.96	0.95	1.034	0.98	15.92	43.43	8.18	24.11	0.27
17.20	8.60	1.96	0.95	1.037	0.98	15.72	44.44	8.14	23.86	0.27
17.25	8.50	1.96	0.95	1.040	0.98	15.52	45.45	8.10	23.62	0.26
17.30	8.40	1.96	0.95	1.043	0.98	15.31	46.46	8.06	23.38	0.26
17.35	8.30	1.96	0.95	1.046	0.98	15.11	47.47	8.02	23.13	0.25
17.40	8.20	1.96	0.95	1.049	0.98	14.91	48.48	7.98	22.89	0.25
17.45	8.10	1.96	0.95	1.051	0.98	14.71	49.49	7.94	22.65	0.25
17.50	8.00	1.96	0.95	1.054	0.97	14.51	50.50	7.90	22.41	0.25
17.55	7.90	1.96	0.95	1.057	0.97	14.30	51.51	7.86	22.17	0.24
17.60	7.80	1.96	0.95	1.060	0.97	14.11	52.52	7.82	21.93	0.24
17.65	7.70	1.96	0.95	1.063	0.97	13.91	53.53	7.78	21.69	0.24
17.70	7.60	1.96	0.95	1.065	0.97	13.71	54.54	7.74	21.45	0.23
17.75	7.50	1.96	0.95	1.068	0.97	13.51	55.55	7.70	21.21	0.23
17.80	7.40	1.96	0.95	1.071	0.97	13.31	56.56	7.66	20.97	0.23
17.85	7.30	1.96	0.95	1.074	0.96	13.11	57.57	7.62	20.74	0.22
17.90	7.20	1.96	0.95	1.077	0.96	12.92	58.58	7.58	20.50	0.22
17.95	7.10	1.96	0.95	1.080	0.96	12.72	59.59	7.54	20.27	0.22
18.00	7.00	1.96	0.95	1.082	0.96	12.53	60.60	7.51	20.03	0.22
18.05	6.90	1.96	0.95	1.085	0.96	12.33	61.61	7.47	19.80	0.21
18.10	6.80	1.96	0.95	1.088	0.96	12.14	62.62	7.43	19.56	0.21
18.15	6.70	1.96	0.95	1.091	0.96	11.94	63.63	7.39	19.33	0.21
18.20	6.60	1.96	0.95	1.094	0.96	11.75	64.64	7.35	19.10	0.21
18.25	6.50	1.96	0.95	1.097	0.95	11.56	65.65	7.31	18.87	0.20
18.30	6.40	1.96	0.95	1.099	0.95	11.36	66.66	7.27	18.64	0.20
18.35	6.30	1.96	0.95	1.102	0.95	11.17	67.67	7.23	18.41	0.20
18.40	6.20	1.96	0.95	1.105	0.95	10.98	68.68	7.20	18.18	0.20
18.45	6.10	1.96	0.95	1.108	0.95	10.79	69.69	7.16	17.95	0.19
18.50	6.00	1.96	0.95	1.111	0.95	10.60	70.70	7.12	17.72	0.19
18.55	5.90	1.96	0.95	1.114	0.95	10.41	71.71	7.08	17.49	0.19
18.60	5.80	1.96	0.95	1.116	0.95	10.22	72.72	7.04	17.26	0.19
18.65	5.70	1.96	0.95	1.119	0.95	10.03	73.73	7.01	17.04	0.18
18.70	5.60	1.96	0.95	1.122	0.94	9.84	74.74	6.97	16.81	0.18
18.75	5.50	1.96	0.95	1.125	0.94	9.65	75.75	6.93	16.58	0.18
18.80	5.40	1.96	0.95	1.128	0.94	9.47	76.76	6.89	16.36	0.18
18.85	5.30	1.96	0.95	1.131	0.94	9.28	77.77	6.86	16.13	0.17
18.90	5.20	1.96	0.95	1.134	0.94	9.09	78.78	6.82	15.91	0.17
18.95	5.10	1.96	0.95	1.136	0.94	8.91	79.79	6.78	15.69	0.17
19.00	5.00	1.96	0.95	1.139	0.94	8.72	80.80	6.74	15.47	0.17
19.05	4.90	1.96	0.95	1.142	0.94	8.54	81.81	6.71	15.24	0.16
19.10	4.80	1.96	0.95	1.145	0.93	8.35	82.82	6.67	15.02	0.16
19.15	4.70	1.96	0.95	1.148	0.93	8.17	83.83	6.63	14.80	0.16
19.20	4.60	1.96	0.95	1.151	0.93	7.98	84.84	6.60	14.58	0.16
19.25	4.50	1.96	0.95	1.154	0.93	7.80	85.85	6.56	14.36	0.16
19.30	4.40	1.96	0.95	1.156	0.93	7.62	86.86	6.52	14.14	0.15
19.35	4.30	1.96	0.95	1.159	0.93	7.43	87.87	6.49	13.92	0.15
19.40	4.20	1.96	0.95	1.162	0.93	7.25	88.88	6.45	13.70	0.15
19.45	4.10	1.96	0.95	1.165	0.93	7.07	89.89	6.41	13.49	0.15
19.50	4.00	1.96	0.95	1.168	0.93	6.89	90.90	6.38	13.27	0.14
19.55	3.90	1.96	0.95	1.171	0.92	6.71	91.91	6.34	13.05	0.14
19.60	3.80	1.96	0.95	1.174	0.92	6.53	92.92	6.31	12.84	0.14
19.65	3.70	1.96	0.95	1.176	0.92	6.35	93.93	6.27	12.62	0.14
19.70	3.60	1.96	0.95	1.179	0.92	6.17	94.94	6.23	12.41	0.13
19.75	3.50	1.96	0.95	1.182	0.92	5.99	95.95	6.20	12.19	0.13
19.80	3.40	1.96	0.95	1.185	0.92	5.81	96.96	6.16	11.98	0.13
19.85	3.30	1.96	0.95	1.188	0.92	5.64	97.97	6.13	11.76	0.13
19.90	3.20	1.96	0.95	1.191	0.92	5.46	98.98	6.09	11.55	0.13
19.95	3.10	1.96	0.95	1.194	0.92	5.28	99.99	6.06	11.34	0.12
20.00	3.00	1.96	0.95	1.197	0.91	5.11	NoLiq	6.02	11.13	0.12
20.05	3.00	1.96	0.95	1.199	0.91	5.10	NoLiq	6.02	11.12	0.12
20.10	3.00	1.96	0.95	1.202	0.91	5.09	NoLiq	6.02	11.11	0.12
20.15	3.00	1.96	0.95	1.205	0.91	5.09	NoLiq	6.02	11.10	0.12
20.20	3.00	1.96	0.95	1.208	0.91	5.08	NoLiq	6.02	11.10	0.12
20.25	3.00	1.96	0.95	1.211	0.91	5.08	NoLiq	6.02	11.09	0.12
20.30	3.00	1.96	0.95	1.214	0.91	5.07	NoLiq	6.01	11.08	0.12
20.35	3.00	1.96	0.95	1.217	0.91	5.06	NoLiq	6.01	11.08	0.12
20.40	3.00	1.96	0.95	1.220	0.91	5.06	NoLiq	6.01	11.07	0.12
20.45	3.00	1.96	0.95	1.223	0.90	5.05	NoLiq	6.01	11.06	0.12
20.50	3.00	1.96	0.95	1.225	0.90	5.05	NoLiq	6.01	11.05	0.12
20.55	3.00	1.96	0.95	1.228	0.90	5.04	NoLiq	6.01	11.05	0.12
20.60	3.00	1.96	0.95	1.231	0.90	5.03	NoLiq	6.01	11.04	0.12

20.65	3.00	1.96	0.95	1.234	0.90	5.03	NoLiq	6.01	11.03	0.12
20.70	3.00	1.96	0.95	1.237	0.90	5.02	NoLiq	6.00	11.03	0.12
20.75	3.00	1.96	0.95	1.240	0.90	5.02	NoLiq	6.00	11.02	0.12
20.80	3.00	1.96	0.95	1.243	0.90	5.01	NoLiq	6.00	11.01	0.12
20.85	3.00	1.96	0.95	1.246	0.90	5.00	NoLiq	6.00	11.00	0.12
20.90	3.00	1.96	0.95	1.249	0.89	5.00	NoLiq	6.00	11.00	0.12
20.95	3.00	1.96	0.95	1.251	0.89	4.99	NoLiq	6.00	10.99	0.12
21.00	3.00	1.96	0.95	1.254	0.89	4.99	NoLiq	6.00	10.98	0.12
21.05	3.00	1.96	0.95	1.257	0.89	4.98	NoLiq	6.00	10.98	0.12
21.10	3.00	1.96	0.95	1.259	0.89	4.98	NoLiq	6.00	10.97	0.12
21.15	3.00	1.96	0.95	1.260	0.89	4.98	NoLiq	6.00	10.97	0.12
21.20	3.00	1.96	0.95	1.261	0.89	4.97	NoLiq	5.99	10.97	0.12
21.25	3.00	1.96	0.95	1.263	0.89	4.97	NoLiq	5.99	10.96	0.12
21.30	3.00	1.96	0.95	1.264	0.89	4.97	NoLiq	5.99	10.96	0.12
21.35	3.00	1.96	0.95	1.266	0.89	4.96	NoLiq	5.99	10.96	0.12
21.40	3.00	1.96	0.95	1.267	0.89	4.96	NoLiq	5.99	10.95	0.12
21.45	3.00	1.96	0.95	1.269	0.89	4.96	NoLiq	5.99	10.95	0.12
21.50	3.00	1.96	0.95	1.270	0.89	4.96	NoLiq	5.99	10.95	0.12
21.55	3.00	1.96	0.95	1.271	0.89	4.95	NoLiq	5.99	10.94	0.12
21.60	3.00	1.96	0.95	1.273	0.89	4.95	NoLiq	5.99	10.94	0.12
21.65	3.00	1.96	0.95	1.274	0.89	4.95	NoLiq	5.99	10.94	0.12
21.70	3.00	1.96	0.95	1.276	0.89	4.94	NoLiq	5.99	10.93	0.12
21.75	3.00	1.96	0.95	1.277	0.88	4.94	NoLiq	5.99	10.93	0.12
21.80	3.00	1.96	0.95	1.278	0.88	4.94	NoLiq	5.99	10.93	0.12
21.85	3.00	1.96	0.95	1.280	0.88	4.94	NoLiq	5.99	10.92	0.12
21.90	3.00	1.96	0.95	1.281	0.88	4.93	NoLiq	5.99	10.92	0.12
21.95	3.00	1.96	0.95	1.283	0.88	4.93	NoLiq	5.99	10.92	0.12
22.00	3.00	1.96	0.95	1.284	0.88	4.93	NoLiq	5.99	10.91	0.12
22.05	3.00	1.96	0.95	1.286	0.88	4.93	NoLiq	5.99	10.91	0.12
22.10	3.00	1.96	0.95	1.287	0.88	4.92	NoLiq	5.98	10.91	0.12
22.15	3.00	1.96	0.95	1.288	0.88	4.92	NoLiq	5.98	10.90	0.12
22.20	3.00	1.96	0.95	1.290	0.88	4.92	NoLiq	5.98	10.90	0.12
22.25	3.00	1.96	0.95	1.291	0.88	4.91	NoLiq	5.98	10.90	0.12
22.30	3.00	1.96	0.95	1.293	0.88	4.91	NoLiq	5.98	10.89	0.12
22.35	3.00	1.96	0.95	1.294	0.88	4.91	NoLiq	5.98	10.89	0.12
22.40	3.00	1.96	0.95	1.295	0.88	4.91	NoLiq	5.98	10.89	0.12
22.45	3.00	1.96	0.95	1.297	0.88	4.90	NoLiq	5.98	10.88	0.12
22.50	3.00	1.96	0.95	1.298	0.88	4.90	NoLiq	5.98	10.88	0.12
22.55	3.00	1.96	0.95	1.300	0.88	4.90	NoLiq	5.98	10.88	0.12
22.60	3.00	1.96	0.95	1.301	0.88	4.90	NoLiq	5.98	10.88	0.12
22.65	3.00	1.96	0.95	1.303	0.88	4.89	NoLiq	5.98	10.87	0.12
22.70	3.00	1.96	0.95	1.304	0.88	4.89	NoLiq	5.98	10.87	0.12
22.75	3.00	1.96	0.95	1.305	0.88	4.89	NoLiq	5.98	10.87	0.12
22.80	3.00	1.96	0.95	1.307	0.87	4.89	NoLiq	5.98	10.86	0.12
22.85	3.00	1.96	0.95	1.308	0.87	4.88	NoLiq	5.98	10.86	0.12
22.90	3.00	1.96	0.95	1.310	0.87	4.88	NoLiq	5.98	10.86	0.12
22.95	3.00	1.96	0.95	1.311	0.87	4.88	NoLiq	5.98	10.85	0.12
23.00	3.00	1.96	0.95	1.313	0.87	4.87	NoLiq	5.97	10.85	0.12
23.05	3.00	1.96	0.95	1.314	0.87	4.87	NoLiq	5.97	10.85	0.12
23.10	3.00	1.96	0.95	1.315	0.87	4.87	NoLiq	5.97	10.84	0.12
23.15	3.00	1.96	0.95	1.317	0.87	4.87	NoLiq	5.97	10.84	0.12
23.20	3.00	1.96	0.95	1.318	0.87	4.86	NoLiq	5.97	10.84	0.12
23.25	3.00	1.96	0.95	1.320	0.87	4.86	NoLiq	5.97	10.83	0.12
23.30	3.00	1.96	0.95	1.321	0.87	4.86	NoLiq	5.97	10.83	0.12
23.35	3.00	1.96	0.95	1.322	0.87	4.86	NoLiq	5.97	10.83	0.12
23.40	3.00	1.96	0.95	1.324	0.87	4.85	NoLiq	5.97	10.82	0.12
23.45	3.00	1.96	0.95	1.325	0.87	4.85	NoLiq	5.97	10.82	0.12
23.50	3.00	1.96	0.95	1.327	0.87	4.85	NoLiq	5.97	10.82	0.12
23.55	3.00	1.96	0.95	1.328	0.87	4.85	NoLiq	5.97	10.82	0.12
23.60	3.00	1.96	0.95	1.330	0.87	4.84	NoLiq	5.97	10.81	0.12
23.65	3.00	1.96	0.95	1.331	0.87	4.84	NoLiq	5.97	10.81	0.12
23.70	3.00	1.96	0.95	1.332	0.87	4.84	NoLiq	5.97	10.81	0.12
23.75	3.00	1.96	0.95	1.334	0.87	4.84	NoLiq	5.97	10.80	0.12
23.80	3.00	1.96	0.95	1.335	0.87	4.83	NoLiq	5.97	10.80	0.12
23.85	3.00	1.96	0.95	1.337	0.86	4.83	NoLiq	5.97	10.80	0.12
23.90	3.00	1.96	0.95	1.338	0.86	4.83	NoLiq	5.97	10.79	0.12
23.95	3.00	1.96	0.95	1.340	0.86	4.83	NoLiq	5.97	10.79	0.12
24.00	3.00	1.96	0.95	1.341	0.86	4.82	NoLiq	5.96	10.79	0.12
24.05	3.00	1.96	0.95	1.342	0.86	4.82	NoLiq	5.96	10.78	0.12
24.10	3.00	1.96	0.95	1.344	0.86	4.82	NoLiq	5.96	10.78	0.12
24.15	3.00	1.96	0.95	1.345	0.86	4.82	NoLiq	5.96	10.78	0.12
24.20	3.00	1.96	0.95	1.347	0.86	4.81	NoLiq	5.96	10.77	0.12
24.25	3.00	1.96	0.95	1.348	0.86	4.81	NoLiq	5.96	10.77	0.12

24.30	3.00	1.96	0.95	1.350	0.86	4.81	NoLiq	5.96	10.77	0.12
24.35	3.00	1.96	0.95	1.351	0.86	4.80	NoLiq	5.96	10.77	0.12
24.40	3.00	1.96	0.95	1.352	0.86	4.80	NoLiq	5.96	10.76	0.12
24.45	3.00	1.96	0.95	1.354	0.86	4.80	NoLiq	5.96	10.76	0.12
24.50	3.00	1.96	0.95	1.355	0.86	4.80	NoLiq	5.96	10.76	0.12
24.55	3.00	1.96	0.95	1.357	0.86	4.79	NoLiq	5.96	10.75	0.12
24.60	3.00	1.96	0.95	1.358	0.86	4.79	NoLiq	5.96	10.75	0.12
24.65	3.00	1.96	0.95	1.360	0.86	4.79	NoLiq	5.96	10.75	0.12
24.70	3.00	1.96	0.95	1.361	0.86	4.79	NoLiq	5.96	10.74	0.12
24.75	3.00	1.96	0.95	1.362	0.86	4.78	NoLiq	5.96	10.74	0.12
24.80	3.00	1.96	0.95	1.364	0.86	4.78	NoLiq	5.96	10.74	0.12
24.85	3.00	1.96	0.95	1.365	0.86	4.78	NoLiq	5.96	10.74	0.12
24.90	3.00	1.96	0.95	1.367	0.86	4.78	NoLiq	5.96	10.73	0.12
24.95	3.00	1.96	0.95	1.368	0.85	4.77	NoLiq	5.95	10.73	0.12
25.00	3.00	1.96	0.95	1.370	0.85	4.77	NoLiq	5.95	10.73	0.12
25.05	3.02	1.96	0.95	1.371	0.85	4.80	NoLiq	5.96	10.76	0.12
25.10	3.04	1.96	0.95	1.373	0.85	4.83	NoLiq	5.97	10.80	0.12
25.15	3.06	1.96	0.95	1.374	0.85	4.86	NoLiq	5.97	10.83	0.12
25.20	3.08	1.96	0.95	1.375	0.85	4.89	NoLiq	5.98	10.87	0.12
25.25	3.10	1.96	0.95	1.377	0.85	4.92	NoLiq	5.98	10.90	0.12
25.30	3.12	1.96	0.95	1.378	0.85	4.95	NoLiq	5.99	10.94	0.12
25.35	3.14	1.96	0.95	1.380	0.85	4.98	NoLiq	6.00	10.97	0.12
25.40	3.16	1.96	0.95	1.381	0.85	5.01	NoLiq	6.00	11.01	0.12
25.45	3.18	1.96	0.95	1.383	0.85	5.03	NoLiq	6.01	11.04	0.12
25.50	3.20	1.96	0.95	1.384	0.85	5.06	NoLiq	6.01	11.08	0.12
25.55	3.22	1.96	0.95	1.385	0.85	5.09	NoLiq	6.02	11.11	0.12
25.60	3.24	1.96	0.95	1.387	0.85	5.12	NoLiq	6.02	11.15	0.12
25.65	3.26	1.96	0.95	1.388	0.85	5.15	NoLiq	6.03	11.18	0.12
25.70	3.28	1.96	0.95	1.390	0.85	5.18	NoLiq	6.04	11.22	0.12
25.75	3.30	1.96	0.95	1.391	0.85	5.21	NoLiq	6.04	11.25	0.12
25.80	3.32	1.96	0.95	1.393	0.85	5.24	NoLiq	6.05	11.28	0.12
25.85	3.34	1.96	0.95	1.394	0.85	5.27	NoLiq	6.05	11.32	0.12
25.90	3.36	1.96	0.95	1.395	0.85	5.29	NoLiq	6.06	11.35	0.12
25.95	3.38	1.96	0.95	1.397	0.85	5.32	NoLiq	6.06	11.39	0.12
26.00	3.40	1.96	0.95	1.398	0.85	5.35	NoLiq	6.07	11.42	0.12
26.05	3.42	1.96	0.95	1.400	0.85	5.38	NoLiq	6.08	11.46	0.12
26.10	3.44	1.96	0.95	1.401	0.84	5.41	NoLiq	6.08	11.49	0.12
26.15	3.46	1.96	0.95	1.403	0.84	5.44	NoLiq	6.09	11.53	0.12
26.20	3.48	1.96	0.95	1.404	0.84	5.47	NoLiq	6.09	11.56	0.13
26.25	3.50	1.96	0.95	1.406	0.84	5.50	NoLiq	6.10	11.60	0.13
26.30	3.52	1.96	0.95	1.407	0.84	5.52	NoLiq	6.10	11.63	0.13
26.35	3.54	1.96	0.95	1.408	0.84	5.55	NoLiq	6.11	11.66	0.13
26.40	3.56	1.96	0.95	1.410	0.84	5.58	NoLiq	6.12	11.70	0.13
26.45	3.58	1.96	0.95	1.411	0.84	5.61	NoLiq	6.12	11.73	0.13
26.50	3.60	1.96	0.95	1.413	0.84	5.64	NoLiq	6.13	11.77	0.13
26.55	3.62	1.96	0.95	1.414	0.84	5.67	NoLiq	6.13	11.80	0.13
26.60	3.64	1.96	0.95	1.416	0.84	5.70	NoLiq	6.14	11.83	0.13
26.65	3.66	1.96	0.95	1.417	0.84	5.72	NoLiq	6.14	11.87	0.13
26.70	3.68	1.96	0.95	1.418	0.84	5.75	NoLiq	6.15	11.90	0.13
26.75	3.70	1.96	0.95	1.420	0.84	5.78	NoLiq	6.16	11.94	0.13
26.80	3.72	1.96	0.95	1.421	0.84	5.81	NoLiq	6.16	11.97	0.13
26.85	3.74	1.96	0.95	1.423	0.84	5.84	NoLiq	6.17	12.00	0.13
26.90	3.76	1.96	0.95	1.424	0.84	5.87	NoLiq	6.17	12.04	0.13
26.95	3.78	1.96	0.95	1.426	0.84	5.89	NoLiq	6.18	12.07	0.13
27.00	3.80	1.96	0.95	1.427	0.84	5.92	NoLiq	6.18	12.11	0.13
27.05	3.82	1.96	0.95	1.428	0.84	5.95	NoLiq	6.19	12.14	0.13
27.10	3.84	1.96	0.95	1.430	0.84	5.98	NoLiq	6.20	12.17	0.13
27.15	3.86	1.96	0.95	1.431	0.84	6.01	NoLiq	6.20	12.21	0.13
27.20	3.88	1.96	0.95	1.433	0.84	6.03	NoLiq	6.21	12.24	0.13
27.25	3.90	1.96	0.95	1.434	0.84	6.06	NoLiq	6.21	12.27	0.13
27.30	3.92	1.96	0.95	1.436	0.83	6.09	NoLiq	6.22	12.31	0.13
27.35	3.94	1.96	0.95	1.437	0.83	6.12	NoLiq	6.22	12.34	0.13
27.40	3.96	1.96	0.95	1.439	0.83	6.15	NoLiq	6.23	12.38	0.13
27.45	3.98	1.96	0.95	1.440	0.83	6.17	NoLiq	6.23	12.41	0.13
27.50	4.00	1.96	0.95	1.441	0.83	6.20	NoLiq	6.24	12.44	0.13
27.55	4.02	1.96	0.95	1.443	0.83	6.23	NoLiq	6.25	12.48	0.14
27.60	4.04	1.96	0.95	1.444	0.83	6.26	NoLiq	6.25	12.51	0.14
27.65	4.06	1.96	0.95	1.446	0.83	6.29	NoLiq	6.26	12.54	0.14
27.70	4.08	1.96	0.95	1.447	0.83	6.31	NoLiq	6.26	12.58	0.14
27.75	4.10	1.96	0.95	1.449	0.83	6.34	NoLiq	6.27	12.61	0.14
27.80	4.12	1.96	0.95	1.450	0.83	6.37	NoLiq	6.27	12.64	0.14
27.85	4.14	1.96	0.95	1.451	0.83	6.40	NoLiq	6.28	12.68	0.14
27.90	4.16	1.96	1.00	1.453	0.83	6.76	NoLiq	6.35	13.12	0.14

27.95	4.18	1.96	1.00	1.454	0.83	6.79	NoLiq	6.36	13.15	0.14
28.00	4.20	1.96	1.00	1.456	0.83	6.82	NoLiq	6.36	13.19	0.14
28.05	4.22	1.96	1.00	1.457	0.83	6.85	NoLiq	6.37	13.22	0.14
28.10	4.24	1.96	1.00	1.459	0.83	6.88	NoLiq	6.38	13.26	0.14
28.15	4.26	1.96	1.00	1.460	0.83	6.91	NoLiq	6.38	13.29	0.14
28.20	4.28	1.96	1.00	1.461	0.83	6.94	NoLiq	6.39	13.33	0.14
28.25	4.30	1.96	1.00	1.463	0.83	6.97	NoLiq	6.39	13.36	0.14
28.30	4.32	1.96	1.00	1.464	0.83	7.00	NoLiq	6.40	13.39	0.14
28.35	4.34	1.96	1.00	1.466	0.83	7.02	NoLiq	6.40	13.43	0.15
28.40	4.36	1.96	1.00	1.467	0.83	7.05	NoLiq	6.41	13.46	0.15
28.45	4.38	1.96	1.00	1.469	0.83	7.08	NoLiq	6.42	13.50	0.15
28.50	4.40	1.96	1.00	1.470	0.82	7.11	NoLiq	6.42	13.53	0.15
28.55	4.42	1.96	1.00	1.471	0.82	7.14	NoLiq	6.43	13.57	0.15
28.60	4.44	1.96	1.00	1.473	0.82	7.17	NoLiq	6.43	13.60	0.15
28.65	4.46	1.96	1.00	1.474	0.82	7.20	NoLiq	6.44	13.64	0.15
28.70	4.48	1.96	1.00	1.476	0.82	7.23	NoLiq	6.45	13.67	0.15
28.75	4.50	1.96	1.00	1.477	0.82	7.26	NoLiq	6.45	13.71	0.15
28.80	4.52	1.96	1.00	1.479	0.82	7.28	NoLiq	6.46	13.74	0.15
28.85	4.54	1.96	1.00	1.480	0.82	7.31	NoLiq	6.46	13.78	0.15
28.90	4.56	1.96	1.00	1.482	0.82	7.34	NoLiq	6.47	13.81	0.15
28.95	4.58	1.96	1.00	1.483	0.82	7.37	NoLiq	6.47	13.84	0.15
29.00	4.60	1.96	1.00	1.484	0.82	7.40	NoLiq	6.48	13.88	0.15
29.05	4.62	1.96	1.00	1.486	0.82	7.43	NoLiq	6.49	13.91	0.15
29.10	4.64	1.96	1.00	1.487	0.82	7.46	NoLiq	6.49	13.95	0.15
29.15	4.66	1.96	1.00	1.489	0.82	7.48	NoLiq	6.50	13.98	0.15
29.20	4.68	1.96	1.00	1.490	0.82	7.51	NoLiq	6.50	14.02	0.15
29.25	4.70	1.96	1.00	1.492	0.82	7.54	NoLiq	6.51	14.05	0.15
29.30	4.72	1.96	1.00	1.493	0.82	7.57	NoLiq	6.51	14.08	0.15
29.35	4.74	1.96	1.00	1.494	0.82	7.60	NoLiq	6.52	14.12	0.15
29.40	4.76	1.96	1.00	1.496	0.82	7.63	NoLiq	6.53	14.15	0.15
29.45	4.78	1.96	1.00	1.497	0.82	7.65	NoLiq	6.53	14.19	0.15
29.50	4.80	1.96	1.00	1.499	0.82	7.68	NoLiq	6.54	14.22	0.15
29.55	4.82	1.96	1.00	1.500	0.82	7.71	NoLiq	6.54	14.25	0.15
29.60	4.84	1.96	1.00	1.502	0.82	7.74	NoLiq	6.55	14.29	0.15
29.65	4.86	1.96	1.00	1.503	0.82	7.77	NoLiq	6.55	14.32	0.15
29.70	4.88	1.96	1.00	1.504	0.82	7.80	NoLiq	6.56	14.36	0.16
29.75	4.90	1.96	1.00	1.506	0.81	7.82	NoLiq	6.56	14.39	0.16
29.80	4.92	1.96	1.00	1.507	0.81	7.85	NoLiq	6.57	14.42	0.16
29.85	4.94	1.96	1.00	1.509	0.81	7.88	NoLiq	6.58	14.46	0.16
29.90	4.96	1.96	1.00	1.510	0.81	7.91	NoLiq	6.58	14.49	0.16
29.95	4.98	1.96	1.00	1.512	0.81	7.94	NoLiq	6.59	14.52	0.16
30.00	5.00	1.96	1.00	1.513	0.81	7.97	NoLiq	6.59	14.56	0.16
30.05	5.00	1.96	1.00	1.515	0.81	7.96	NoLiq	6.59	14.55	0.16
30.10	5.00	1.96	1.00	1.516	0.81	7.96	NoLiq	6.59	14.55	0.16
30.15	5.00	1.96	1.00	1.517	0.81	7.95	NoLiq	6.59	14.54	0.16
30.20	5.00	1.96	1.00	1.519	0.81	7.95	NoLiq	6.59	14.54	0.16
30.25	5.00	1.96	1.00	1.520	0.81	7.95	NoLiq	6.59	14.54	0.16
30.30	5.00	1.96	1.00	1.522	0.81	7.94	NoLiq	6.59	14.53	0.16
30.35	5.00	1.96	1.00	1.523	0.81	7.94	NoLiq	6.59	14.53	0.16
30.40	5.00	1.96	1.00	1.525	0.81	7.94	NoLiq	6.59	14.52	0.16
30.45	5.00	1.96	1.00	1.526	0.81	7.93	NoLiq	6.59	14.52	0.16
30.50	5.00	1.96	1.00	1.527	0.81	7.93	NoLiq	6.59	14.51	0.16
30.55	5.00	1.96	1.00	1.529	0.81	7.92	NoLiq	6.58	14.51	0.16
30.60	5.00	1.96	1.00	1.530	0.81	7.92	NoLiq	6.58	14.50	0.16
30.65	5.00	1.96	1.00	1.532	0.81	7.92	NoLiq	6.58	14.50	0.16
30.70	5.00	1.96	1.00	1.533	0.81	7.91	NoLiq	6.58	14.50	0.16
30.75	5.00	1.96	1.00	1.535	0.81	7.91	NoLiq	6.58	14.49	0.16
30.80	5.00	1.96	1.00	1.536	0.81	7.91	NoLiq	6.58	14.49	0.16
30.85	5.00	1.96	1.00	1.538	0.81	7.90	NoLiq	6.58	14.48	0.16
30.90	5.00	1.96	1.00	1.539	0.81	7.90	NoLiq	6.58	14.48	0.16
30.95	5.00	1.96	1.00	1.541	0.81	7.89	NoLiq	6.58	14.47	0.16
31.00	5.00	1.96	1.00	1.542	0.81	7.89	NoLiq	6.58	14.47	0.16
31.05	5.00	1.96	1.00	1.543	0.80	7.89	NoLiq	6.58	14.46	0.16
31.10	5.00	1.96	1.00	1.545	0.80	7.88	NoLiq	6.58	14.46	0.16
31.15	5.00	1.96	1.00	1.546	0.80	7.88	NoLiq	6.58	14.46	0.16
31.20	5.00	1.96	1.00	1.548	0.80	7.88	NoLiq	6.58	14.45	0.16
31.25	5.00	1.96	1.00	1.549	0.80	7.87	NoLiq	6.57	14.45	0.16
31.30	5.00	1.96	1.00	1.551	0.80	7.87	NoLiq	6.57	14.44	0.16
31.35	5.00	1.96	1.00	1.552	0.80	7.86	NoLiq	6.57	14.44	0.16
31.40	5.00	1.96	1.00	1.554	0.80	7.86	NoLiq	6.57	14.43	0.16
31.45	5.00	1.96	1.00	1.555	0.80	7.86	NoLiq	6.57	14.43	0.16
31.50	5.00	1.96	1.00	1.557	0.80	7.85	NoLiq	6.57	14.42	0.16
31.55	5.00	1.96	1.00	1.558	0.80	7.85	NoLiq	6.57	14.42	0.16

31.60	5.00	1.96	1.00	1.560	0.80	7.85	NoLiq	6.57	14.42	0.16
31.65	5.00	1.96	1.00	1.561	0.80	7.84	NoLiq	6.57	14.41	0.16
31.70	5.00	1.96	1.00	1.562	0.80	7.84	NoLiq	6.57	14.41	0.16
31.75	5.00	1.96	1.00	1.564	0.80	7.83	NoLiq	6.57	14.40	0.16
31.80	5.00	1.96	1.00	1.565	0.80	7.83	NoLiq	6.57	14.40	0.16
31.85	5.00	1.96	1.00	1.567	0.80	7.83	NoLiq	6.57	14.39	0.16
31.90	5.00	1.96	1.00	1.568	0.80	7.82	NoLiq	6.56	14.39	0.16
31.95	5.00	1.96	1.00	1.570	0.80	7.82	NoLiq	6.56	14.38	0.16
32.00	5.00	1.96	1.00	1.571	0.80	7.82	NoLiq	6.56	14.38	0.16
32.05	5.00	1.96	1.00	1.573	0.80	7.81	NoLiq	6.56	14.38	0.16
32.10	5.00	1.96	1.00	1.574	0.80	7.81	NoLiq	6.56	14.37	0.16
32.15	5.00	1.96	1.00	1.576	0.80	7.81	NoLiq	6.56	14.37	0.16
32.20	5.00	1.96	1.00	1.577	0.80	7.80	NoLiq	6.56	14.36	0.16
32.25	5.00	1.96	1.00	1.579	0.80	7.80	NoLiq	6.56	14.36	0.16
32.30	5.00	1.96	1.00	1.580	0.80	7.79	NoLiq	6.56	14.35	0.16
32.35	5.00	1.96	1.00	1.582	0.80	7.79	NoLiq	6.56	14.35	0.16
32.40	5.00	1.96	1.00	1.583	0.79	7.79	NoLiq	6.56	14.34	0.16
32.45	5.00	1.96	1.00	1.585	0.79	7.78	NoLiq	6.56	14.34	0.16
32.50	5.00	1.96	1.00	1.586	0.79	7.78	NoLiq	6.56	14.34	0.16
32.55	5.00	1.96	1.00	1.588	0.79	7.78	NoLiq	6.56	14.33	0.16
32.60	5.00	1.96	1.00	1.589	0.79	7.77	NoLiq	6.55	14.33	0.16
32.65	5.00	1.96	1.00	1.591	0.79	7.77	NoLiq	6.55	14.32	0.15
32.70	5.00	1.96	1.00	1.592	0.79	7.77	NoLiq	6.55	14.32	0.15
32.75	5.00	1.96	1.00	1.594	0.79	7.76	NoLiq	6.55	14.31	0.15
32.80	5.00	1.96	1.00	1.595	0.79	7.76	NoLiq	6.55	14.31	0.15
32.85	5.00	1.96	1.00	1.597	0.79	7.75	NoLiq	6.55	14.30	0.15
32.90	5.00	1.96	1.00	1.598	0.79	7.75	NoLiq	6.55	14.30	0.15
32.95	5.00	1.96	1.00	1.600	0.79	7.75	NoLiq	6.55	14.30	0.15
33.00	5.00	1.96	1.00	1.601	0.79	7.74	NoLiq	6.55	14.29	0.15
33.05	5.00	1.96	1.00	1.603	0.79	7.74	NoLiq	6.55	14.29	0.15
33.10	5.00	1.96	1.00	1.604	0.79	7.74	NoLiq	6.55	14.28	0.15
33.15	5.00	1.96	1.00	1.606	0.79	7.73	NoLiq	6.55	14.28	0.15
33.20	5.00	1.96	1.00	1.607	0.79	7.73	NoLiq	6.55	14.27	0.15
33.25	5.00	1.96	1.00	1.609	0.79	7.73	NoLiq	6.55	14.27	0.15
33.30	5.00	1.96	1.00	1.610	0.79	7.72	NoLiq	6.54	14.27	0.15
33.35	5.00	1.96	1.00	1.612	0.79	7.72	NoLiq	6.54	14.26	0.15
33.40	5.00	1.96	1.00	1.613	0.79	7.71	NoLiq	6.54	14.26	0.15
33.45	5.00	1.96	1.00	1.615	0.79	7.71	NoLiq	6.54	14.25	0.15
33.50	5.00	1.96	1.00	1.616	0.79	7.71	NoLiq	6.54	14.25	0.15
33.55	5.00	1.96	1.00	1.618	0.79	7.70	NoLiq	6.54	14.24	0.15
33.60	5.00	1.96	1.00	1.619	0.79	7.70	NoLiq	6.54	14.24	0.15
33.65	5.00	1.96	1.00	1.621	0.79	7.70	NoLiq	6.54	14.24	0.15
33.70	5.00	1.96	1.00	1.622	0.79	7.69	NoLiq	6.54	14.23	0.15
33.75	5.00	1.96	1.00	1.624	0.78	7.69	NoLiq	6.54	14.23	0.15
33.80	5.00	1.96	1.00	1.625	0.78	7.69	NoLiq	6.54	14.22	0.15
33.85	5.00	1.96	1.00	1.627	0.78	7.68	NoLiq	6.54	14.22	0.15
33.90	5.00	1.96	1.00	1.628	0.78	7.68	NoLiq	6.54	14.21	0.15
33.95	5.00	1.96	1.00	1.630	0.78	7.67	NoLiq	6.53	14.21	0.15
34.00	5.00	1.96	1.00	1.631	0.78	7.67	NoLiq	6.53	14.21	0.15
34.05	5.00	1.96	1.00	1.633	0.78	7.67	NoLiq	6.53	14.20	0.15
34.10	5.00	1.96	1.00	1.634	0.78	7.66	NoLiq	6.53	14.20	0.15
34.15	5.00	1.96	1.00	1.636	0.78	7.66	NoLiq	6.53	14.19	0.15
34.20	5.00	1.96	1.00	1.638	0.78	7.66	NoLiq	6.53	14.19	0.15
34.25	5.00	1.96	1.00	1.639	0.78	7.65	NoLiq	6.53	14.18	0.15
34.30	5.00	1.96	1.00	1.641	0.78	7.65	NoLiq	6.53	14.18	0.15
34.35	5.00	1.96	1.00	1.642	0.78	7.65	NoLiq	6.53	14.18	0.15
34.40	5.00	1.96	1.00	1.644	0.78	7.64	NoLiq	6.53	14.17	0.15
34.45	5.00	1.96	1.00	1.645	0.78	7.64	NoLiq	6.53	14.17	0.15
34.50	5.00	1.96	1.00	1.647	0.78	7.64	NoLiq	6.53	14.16	0.15
34.55	5.00	1.96	1.00	1.648	0.78	7.63	NoLiq	6.53	14.16	0.15
34.60	5.00	1.96	1.00	1.650	0.78	7.63	NoLiq	6.53	14.15	0.15
34.65	5.00	1.96	1.00	1.651	0.78	7.62	NoLiq	6.52	14.15	0.15
34.70	5.00	1.96	1.00	1.653	0.78	7.62	NoLiq	6.52	14.15	0.15
34.75	5.00	1.96	1.00	1.654	0.78	7.62	NoLiq	6.52	14.14	0.15
34.80	5.00	1.96	1.00	1.656	0.78	7.61	NoLiq	6.52	14.14	0.15
34.85	5.00	1.96	1.00	1.657	0.78	7.61	NoLiq	6.52	14.13	0.15
34.90	5.00	1.96	1.00	1.659	0.78	7.61	NoLiq	6.52	14.13	0.15
34.95	5.00	1.96	1.00	1.661	0.78	7.60	NoLiq	6.52	14.12	0.15
35.00	5.00	1.96	1.00	1.662	0.78	7.60	NoLiq	6.52	14.12	0.15
35.05	5.23	1.96	1.00	1.664	0.78	7.94	NoLiq	6.59	14.53	0.16
35.10	5.46	1.96	1.00	1.665	0.77	8.29	NoLiq	6.66	14.95	0.16
35.15	5.69	1.96	1.00	1.667	0.77	8.63	NoLiq	6.73	15.36	0.17
35.20	5.92	1.96	1.00	1.668	0.77	8.98	NoLiq	6.80	15.78	0.17

35.25	6.15	1.96	1.00	1.670	0.77	9.32	NoLiq	6.86	16.19	0.17
35.30	6.38	1.96	1.00	1.671	0.77	9.67	NoLiq	6.93	16.60	0.18
35.35	6.61	1.96	1.00	1.673	0.77	10.01	NoLiq	7.00	17.02	0.18
35.40	6.84	1.96	1.00	1.674	0.77	10.36	NoLiq	7.07	17.43	0.19
35.45	7.07	1.96	1.00	1.676	0.77	10.70	NoLiq	7.14	17.84	0.19
35.50	7.30	1.96	1.00	1.678	0.77	11.04	NoLiq	7.21	18.25	0.20
35.55	7.53	1.96	1.00	1.679	0.77	11.39	NoLiq	7.28	18.66	0.20
35.60	7.76	1.96	1.00	1.681	0.77	11.73	NoLiq	7.35	19.07	0.21
35.65	7.99	1.96	1.00	1.682	0.77	12.07	NoLiq	7.41	19.48	0.21
35.70	8.22	1.96	1.00	1.684	0.77	12.41	NoLiq	7.48	19.89	0.22
35.75	8.45	1.96	1.00	1.685	0.77	12.75	NoLiq	7.55	20.30	0.22
35.80	8.68	1.96	1.00	1.687	0.77	13.09	NoLiq	7.62	20.71	0.22
35.85	8.91	1.96	1.00	1.688	0.77	13.44	NoLiq	7.69	21.12	0.23
35.90	9.14	1.96	1.00	1.690	0.77	13.78	NoLiq	7.76	21.53	0.23
35.95	9.37	1.96	1.00	1.691	0.77	14.12	NoLiq	7.82	21.94	0.24
36.00	9.60	1.96	1.00	1.693	0.77	14.46	NoLiq	7.89	22.35	0.24
36.05	9.83	1.96	1.00	1.694	0.77	14.80	NoLiq	7.96	22.76	0.25
36.10	10.06	1.96	1.00	1.696	0.77	15.14	NoLiq	8.03	23.16	0.26
36.15	10.29	1.96	1.00	1.698	0.77	15.47	NoLiq	8.09	23.57	0.26
36.20	10.52	1.96	1.00	1.699	0.77	15.81	NoLiq	8.16	23.98	0.27
36.25	10.75	1.96	1.00	1.701	0.77	16.15	NoLiq	8.23	24.38	0.27
36.30	10.98	1.96	1.00	1.702	0.77	16.49	NoLiq	8.30	24.79	0.28
36.35	11.21	1.96	1.00	1.704	0.77	16.83	NoLiq	8.37	25.19	0.29
36.40	11.44	1.96	1.00	1.705	0.77	17.17	NoLiq	8.43	25.60	0.29
36.45	11.67	1.96	1.00	1.707	0.77	17.50	NoLiq	8.50	26.00	0.30
36.50	11.90	1.96	1.00	1.708	0.77	17.84	NoLiq	8.57	26.41	0.31
36.55	12.13	1.96	1.00	1.710	0.76	18.18	NoLiq	8.64	26.81	0.32
36.60	12.36	1.96	1.00	1.711	0.76	18.51	NoLiq	8.70	27.22	0.32
36.65	12.59	1.96	1.00	1.713	0.76	18.85	NoLiq	8.77	27.62	0.33
36.70	12.82	1.96	1.00	1.714	0.76	19.18	NoLiq	8.84	28.02	0.34
36.75	13.05	1.96	1.00	1.716	0.76	19.52	NoLiq	8.90	28.42	0.35
36.80	13.28	1.96	1.00	1.717	0.76	19.86	NoLiq	8.97	28.83	0.37
36.85	13.51	1.96	1.00	1.719	0.76	20.19	NoLiq	9.04	29.23	0.38
36.90	13.74	1.96	1.00	1.720	0.76	20.53	NoLiq	9.11	29.63	0.41
36.95	13.97	1.96	1.00	1.722	0.76	20.86	NoLiq	9.17	30.03	0.47
37.00	14.20	1.96	1.00	1.724	0.76	21.19	NoLiq	9.24	30.43	0.50
37.05	14.43	1.96	1.00	1.725	0.76	21.53	NoLiq	9.31	30.83	0.50
37.10	14.66	1.96	1.00	1.727	0.76	21.86	NoLiq	9.37	31.23	0.50
37.15	14.89	1.96	1.00	1.728	0.76	22.19	NoLiq	9.44	31.63	0.50
37.20	15.12	1.96	1.00	1.730	0.76	22.53	NoLiq	9.51	32.03	0.50
37.25	15.35	1.96	1.00	1.731	0.76	22.86	NoLiq	9.57	32.43	0.50
37.30	15.58	1.96	1.00	1.733	0.76	23.19	NoLiq	9.64	32.83	0.50
37.35	15.81	1.96	1.00	1.734	0.76	23.52	NoLiq	9.70	33.23	0.50
37.40	16.04	1.96	1.00	1.736	0.76	23.86	NoLiq	9.77	33.63	0.50
37.45	16.27	1.96	1.00	1.737	0.76	24.19	NoLiq	9.84	34.03	0.50
37.50	16.50	1.96	1.00	1.739	0.76	24.52	NoLiq	9.90	34.42	0.50
37.55	16.73	1.96	1.00	1.740	0.76	24.85	NoLiq	9.97	34.82	0.50
37.60	16.96	1.96	1.00	1.742	0.76	25.18	NoLiq	10.04	35.22	0.50
37.65	17.19	1.96	1.00	1.743	0.76	25.51	NoLiq	10.10	35.61	0.50
37.70	17.42	1.96	1.00	1.745	0.76	25.84	NoLiq	10.17	36.01	0.50
37.75	17.65	1.96	1.00	1.746	0.76	26.17	NoLiq	10.23	36.41	0.50
37.80	17.88	1.96	1.00	1.748	0.76	26.50	NoLiq	10.30	36.80	0.50
37.85	18.11	1.96	1.00	1.749	0.76	26.83	NoLiq	10.37	37.20	0.50
37.90	18.34	1.96	1.00	1.751	0.76	27.16	NoLiq	10.43	37.59	0.50
37.95	18.57	1.96	1.00	1.752	0.76	27.49	NoLiq	10.50	37.99	0.50
38.00	18.80	1.96	1.00	1.754	0.76	27.82	NoLiq	10.56	38.38	0.50
38.05	19.03	1.96	1.00	1.755	0.75	28.14	NoLiq	10.63	38.77	0.50
38.10	19.26	1.96	1.00	1.757	0.75	28.47	NoLiq	10.69	39.17	0.50
38.15	19.49	1.96	1.00	1.758	0.75	28.80	NoLiq	10.76	39.56	0.50
38.20	19.72	1.96	1.00	1.760	0.75	29.13	NoLiq	10.83	39.95	0.50
38.25	19.95	1.96	1.00	1.761	0.75	29.45	NoLiq	10.89	40.35	0.50
38.30	20.18	1.96	1.00	1.763	0.75	29.78	NoLiq	10.96	40.74	0.50
38.35	20.41	1.96	1.00	1.764	0.75	30.11	NoLiq	11.02	41.13	0.50
38.40	20.64	1.96	1.00	1.766	0.75	30.43	NoLiq	11.09	41.52	0.50
38.45	20.87	1.96	1.00	1.767	0.75	30.76	NoLiq	11.15	41.91	0.50
38.50	21.10	1.96	1.00	1.769	0.75	31.09	NoLiq	11.22	42.30	0.50
38.55	21.33	1.96	1.00	1.770	0.75	31.41	NoLiq	11.28	42.69	0.50
38.60	21.56	1.96	1.00	1.772	0.75	31.74	NoLiq	11.35	43.08	0.50
38.65	21.79	1.96	1.00	1.773	0.75	32.06	NoLiq	11.41	43.47	0.50
38.70	22.02	1.96	1.00	1.775	0.75	32.39	NoLiq	11.48	43.86	0.50
38.75	22.25	1.96	1.00	1.776	0.75	32.71	NoLiq	11.54	44.25	0.50
38.80	22.48	1.96	1.00	1.778	0.75	33.04	NoLiq	11.61	44.64	0.50
38.85	22.71	1.96	1.00	1.779	0.75	33.36	NoLiq	11.67	45.03	0.50

38.90	22.94	1.96	1.00	1.781	0.75	33.68	NoLiq	11.74	45.42	0.50
38.95	23.17	1.96	1.00	1.782	0.75	34.01	NoLiq	11.80	45.81	0.50
39.00	23.40	1.96	1.00	1.784	0.75	34.33	NoLiq	11.87	46.20	0.50
39.05	23.63	1.96	1.00	1.785	0.75	34.65	NoLiq	11.93	46.58	0.50
39.10	23.86	1.96	1.00	1.787	0.75	34.98	NoLiq	12.00	46.97	0.50
39.15	24.09	1.96	1.00	1.788	0.75	35.30	NoLiq	12.06	47.36	0.50
39.20	24.32	1.96	1.00	1.790	0.75	35.62	NoLiq	12.12	47.74	0.50
39.25	24.55	1.96	1.00	1.791	0.75	35.94	NoLiq	12.19	48.13	0.50
39.30	24.78	1.96	1.00	1.793	0.75	36.26	NoLiq	12.25	48.52	0.50
39.35	25.01	1.96	1.00	1.794	0.75	36.58	NoLiq	12.32	48.90	0.50
39.40	25.24	1.96	1.00	1.796	0.75	36.91	NoLiq	12.38	49.29	0.50
39.45	25.47	1.96	1.00	1.797	0.75	37.23	NoLiq	12.45	49.67	0.50
39.50	25.70	1.96	1.00	1.799	0.75	37.55	NoLiq	12.51	50.06	0.50
39.55	25.93	1.96	1.00	1.800	0.75	37.87	NoLiq	12.57	50.44	0.50
39.60	26.16	1.96	1.00	1.802	0.74	38.19	NoLiq	12.64	50.83	0.50
39.65	26.39	1.96	1.00	1.803	0.74	38.51	NoLiq	12.70	51.21	0.50
39.70	26.62	1.96	1.00	1.805	0.74	38.83	NoLiq	12.77	51.59	0.50
39.75	26.85	1.96	1.00	1.806	0.74	39.15	NoLiq	12.83	51.98	0.50
39.80	27.08	1.96	1.00	1.808	0.74	39.47	NoLiq	12.89	52.36	0.50
39.85	27.31	1.96	1.00	1.809	0.74	39.78	NoLiq	12.96	52.74	0.50
39.90	27.54	1.96	1.00	1.811	0.74	40.10	NoLiq	13.02	53.12	0.50
39.95	27.77	1.96	1.00	1.812	0.74	40.42	NoLiq	13.08	53.51	0.50
40.00	28.00	1.96	1.00	1.814	0.74	40.74	NoLiq	13.15	53.89	0.50
40.05	28.00	1.96	1.00	1.815	0.74	40.73	NoLiq	13.15	53.87	0.50
40.10	28.00	1.96	1.00	1.817	0.74	40.71	NoLiq	13.14	53.85	0.50
40.15	28.00	1.96	1.00	1.818	0.74	40.69	NoLiq	13.14	53.83	0.50
40.20	28.00	1.96	1.00	1.820	0.74	40.68	NoLiq	13.14	53.81	0.50
40.25	28.00	1.96	1.00	1.821	0.74	40.66	NoLiq	13.13	53.79	0.50
40.30	28.00	1.96	1.00	1.823	0.74	40.64	NoLiq	13.13	53.77	0.50
40.35	28.00	1.96	1.00	1.824	0.74	40.62	NoLiq	13.12	53.75	0.50
40.40	28.00	1.96	1.00	1.826	0.74	40.61	NoLiq	13.12	53.73	0.50
40.45	28.00	1.96	1.00	1.827	0.74	40.59	NoLiq	13.12	53.71	0.50
40.50	28.00	1.96	1.00	1.829	0.74	40.57	NoLiq	13.11	53.69	0.50
40.55	28.00	1.96	1.00	1.830	0.74	40.56	NoLiq	13.11	53.67	0.50
40.60	28.00	1.96	1.00	1.832	0.74	40.54	NoLiq	13.11	53.65	0.50
40.65	28.00	1.96	1.00	1.833	0.74	40.52	NoLiq	13.10	53.63	0.50
40.70	28.00	1.96	1.00	1.835	0.74	40.51	NoLiq	13.10	53.61	0.50
40.75	28.00	1.96	1.00	1.836	0.74	40.49	NoLiq	13.10	53.59	0.50
40.80	28.00	1.96	1.00	1.838	0.74	40.47	NoLiq	13.09	53.57	0.50
40.85	28.00	1.96	1.00	1.839	0.74	40.46	NoLiq	13.09	53.55	0.50
40.90	28.00	1.96	1.00	1.841	0.74	40.44	NoLiq	13.09	53.53	0.50
40.95	28.00	1.96	1.00	1.842	0.74	40.42	NoLiq	13.08	53.51	0.50
41.00	28.00	1.96	1.00	1.844	0.74	40.41	NoLiq	13.08	53.49	0.50
41.05	28.00	1.96	1.00	1.846	0.74	40.39	NoLiq	13.08	53.47	0.50
41.10	28.00	1.96	1.00	1.847	0.74	40.37	NoLiq	13.07	53.45	0.50
41.15	28.00	1.96	1.00	1.849	0.74	40.35	NoLiq	13.07	53.43	0.50
41.20	28.00	1.96	1.00	1.850	0.74	40.34	NoLiq	13.07	53.41	0.50
41.25	28.00	1.96	1.00	1.852	0.73	40.32	NoLiq	13.06	53.38	0.50
41.30	28.00	1.96	1.00	1.853	0.73	40.30	NoLiq	13.06	53.36	0.50
41.35	28.00	1.96	1.00	1.855	0.73	40.29	NoLiq	13.06	53.34	0.50
41.40	28.00	1.96	1.00	1.857	0.73	40.27	NoLiq	13.05	53.32	0.50
41.45	28.00	1.96	1.00	1.858	0.73	40.25	NoLiq	13.05	53.30	0.50
41.50	28.00	1.96	1.00	1.860	0.73	40.24	NoLiq	13.05	53.28	0.50
41.55	28.00	1.96	1.00	1.861	0.73	40.22	NoLiq	13.04	53.26	0.50
41.60	28.00	1.96	1.00	1.863	0.73	40.20	NoLiq	13.04	53.24	0.50
41.65	28.00	1.96	1.00	1.864	0.73	40.18	NoLiq	13.04	53.22	0.50
41.70	28.00	1.96	1.00	1.866	0.73	40.17	NoLiq	13.03	53.20	0.50
41.75	28.00	1.96	1.00	1.868	0.73	40.15	NoLiq	13.03	53.18	0.50
41.80	28.00	1.96	1.00	1.869	0.73	40.13	NoLiq	13.03	53.16	0.50
41.85	28.00	1.96	1.00	1.871	0.73	40.12	NoLiq	13.02	53.14	0.50
41.90	28.00	1.96	1.00	1.872	0.73	40.10	NoLiq	13.02	53.12	0.50
41.95	28.00	1.96	1.00	1.874	0.73	40.08	NoLiq	13.02	53.10	0.50
42.00	28.00	1.96	1.00	1.876	0.73	40.06	NoLiq	13.01	53.08	0.50
42.05	28.00	1.96	1.00	1.877	0.73	40.05	NoLiq	13.01	53.06	0.50
42.10	28.00	1.96	1.00	1.879	0.73	40.03	NoLiq	13.01	53.03	0.50
42.15	28.00	1.96	1.00	1.881	0.73	40.01	NoLiq	13.00	53.01	0.50
42.20	28.00	1.96	1.00	1.882	0.73	39.99	NoLiq	13.00	52.99	0.50
42.25	28.00	1.96	1.00	1.884	0.73	39.98	NoLiq	13.00	52.97	0.50
42.30	28.00	1.96	1.00	1.885	0.73	39.96	NoLiq	12.99	52.95	0.50
42.35	28.00	1.96	1.00	1.887	0.73	39.94	NoLiq	12.99	52.93	0.50
42.40	28.00	1.96	1.00	1.889	0.73	39.93	NoLiq	12.99	52.91	0.50
42.45	28.00	1.96	1.00	1.890	0.73	39.91	NoLiq	12.98	52.89	0.50
42.50	28.00	1.96	1.00	1.892	0.73	39.89	NoLiq	12.98	52.87	0.50

42.55	28.00	1.96	1.00	1.894	0.73	39.87	NoLiq	12.97	52.85	0.50
42.60	28.00	1.96	1.00	1.895	0.73	39.86	NoLiq	12.97	52.83	0.50
42.65	28.00	1.96	1.00	1.897	0.73	39.84	NoLiq	12.97	52.81	0.50
42.70	28.00	1.96	1.00	1.899	0.73	39.82	NoLiq	12.96	52.79	0.50
42.75	28.00	1.96	1.00	1.900	0.73	39.80	NoLiq	12.96	52.76	0.50
42.80	28.00	1.96	1.00	1.902	0.73	39.79	NoLiq	12.96	52.74	0.50
42.85	28.00	1.96	1.00	1.904	0.72	39.77	NoLiq	12.95	52.72	0.50
42.90	28.00	1.96	1.00	1.905	0.72	39.75	NoLiq	12.95	52.70	0.50
42.95	28.00	1.96	1.00	1.907	0.72	39.73	NoLiq	12.95	52.68	0.50
43.00	28.00	1.96	1.00	1.909	0.72	39.72	NoLiq	12.94	52.66	0.50
43.05	28.00	1.96	1.00	1.910	0.72	39.70	NoLiq	12.94	52.64	0.50
43.10	28.00	1.96	1.00	1.912	0.72	39.68	NoLiq	12.94	52.62	0.50
43.15	28.00	1.96	1.00	1.914	0.72	39.66	NoLiq	12.93	52.60	0.50
43.20	28.00	1.96	1.00	1.915	0.72	39.65	NoLiq	12.93	52.58	0.50
43.25	28.00	1.96	1.00	1.917	0.72	39.63	NoLiq	12.93	52.55	0.50
43.30	28.00	1.96	1.00	1.919	0.72	39.61	NoLiq	12.92	52.53	0.50
43.35	28.00	1.96	1.00	1.920	0.72	39.59	NoLiq	12.92	52.51	0.50
43.40	28.00	1.96	1.00	1.922	0.72	39.58	NoLiq	12.92	52.49	0.50
43.45	28.00	1.96	1.00	1.924	0.72	39.56	NoLiq	12.91	52.47	0.50
43.50	28.00	1.96	1.00	1.926	0.72	39.54	NoLiq	12.91	52.45	0.50
43.55	28.00	1.96	1.00	1.927	0.72	39.52	NoLiq	12.90	52.43	0.50
43.60	28.00	1.96	1.00	1.929	0.72	39.51	NoLiq	12.90	52.41	0.50
43.65	28.00	1.96	1.00	1.931	0.72	39.49	NoLiq	12.90	52.39	0.50
43.70	28.00	1.96	1.00	1.932	0.72	39.47	NoLiq	12.89	52.36	0.50
43.75	28.00	1.96	1.00	1.934	0.72	39.45	NoLiq	12.89	52.34	0.50
43.80	28.00	1.96	1.00	1.936	0.72	39.44	NoLiq	12.89	52.32	0.50
43.85	28.00	1.96	1.00	1.938	0.72	39.42	NoLiq	12.88	52.30	0.50
43.90	28.00	1.96	1.00	1.939	0.72	39.40	NoLiq	12.88	52.28	0.50
43.95	28.00	1.96	1.00	1.941	0.72	39.38	NoLiq	12.88	52.26	0.50
44.00	28.00	1.96	1.00	1.943	0.72	39.36	NoLiq	12.87	52.24	0.50
44.05	28.00	1.96	1.00	1.945	0.72	39.35	NoLiq	12.87	52.22	0.50
44.10	28.00	1.96	1.00	1.946	0.72	39.33	NoLiq	12.87	52.19	0.50
44.15	28.00	1.96	1.00	1.948	0.72	39.31	NoLiq	12.86	52.17	0.50
44.20	28.00	1.96	1.00	1.950	0.72	39.29	NoLiq	12.86	52.15	0.50
44.25	28.00	1.96	1.00	1.952	0.72	39.28	NoLiq	12.86	52.13	0.50
44.30	28.00	1.96	1.00	1.953	0.72	39.26	NoLiq	12.85	52.11	0.50
44.35	28.00	1.96	1.00	1.955	0.72	39.24	NoLiq	12.85	52.09	0.50
44.40	28.00	1.96	1.00	1.957	0.71	39.22	NoLiq	12.84	52.07	0.50
44.45	28.00	1.96	1.00	1.959	0.71	39.20	NoLiq	12.84	52.05	0.50
44.50	28.00	1.96	1.00	1.961	0.71	39.19	NoLiq	12.84	52.02	0.50
44.55	28.00	1.96	1.00	1.962	0.71	39.17	NoLiq	12.83	52.00	0.50
44.60	28.00	1.96	1.00	1.964	0.71	39.15	NoLiq	12.83	51.98	0.50
44.65	28.00	1.96	1.00	1.966	0.71	39.13	NoLiq	12.83	51.96	0.50
44.70	28.00	1.96	1.00	1.968	0.71	39.12	NoLiq	12.82	51.94	0.50
44.75	28.00	1.96	1.00	1.969	0.71	39.10	NoLiq	12.82	51.92	0.50
44.80	28.00	1.96	1.00	1.971	0.71	39.08	NoLiq	12.82	51.90	0.50
44.85	28.00	1.96	1.00	1.973	0.71	39.06	NoLiq	12.81	51.87	0.50
44.90	28.00	1.96	1.00	1.975	0.71	39.04	NoLiq	12.81	51.85	0.50
44.95	28.00	1.96	1.00	1.977	0.71	39.03	NoLiq	12.81	51.83	0.50
45.00	28.00	1.96	1.00	1.978	0.71	39.01	NoLiq	12.80	51.81	0.50
45.05	28.17	1.96	1.00	1.980	0.71	39.23	NoLiq	12.85	52.07	0.50
45.10	28.34	1.96	1.00	1.982	0.71	39.44	99.20	12.89	52.33	0.50
45.15	28.51	1.96	1.00	1.984	0.71	39.66	98.29	12.93	52.60	0.50
45.20	28.68	1.96	1.00	1.986	0.71	39.88	97.38	12.98	52.86	0.50
45.25	28.85	1.96	1.00	1.988	0.71	40.10	96.48	13.02	53.12	0.50
45.30	29.02	1.96	1.00	1.989	0.71	40.32	95.57	13.06	53.38	0.50
45.35	29.19	1.96	1.00	1.991	0.71	40.53	94.67	13.11	53.64	0.50
45.40	29.36	1.96	1.00	1.993	0.71	40.75	93.76	13.15	53.90	0.50
45.45	29.53	1.96	1.00	1.995	0.71	40.97	92.85	13.19	54.16	0.50
45.50	29.70	1.96	1.00	1.997	0.71	41.19	91.95	13.24	54.42	0.50
45.55	29.87	1.96	1.00	1.998	0.71	41.40	91.04	13.28	54.69	0.50
45.60	30.04	1.96	1.00	2.000	0.71	41.62	90.14	13.32	54.95	0.50
45.65	30.21	1.96	1.00	2.002	0.71	41.84	89.23	13.37	55.21	0.50
45.70	30.38	1.96	1.00	2.004	0.71	42.05	88.32	13.41	55.47	0.50
45.75	30.55	1.96	1.00	2.006	0.71	42.27	87.42	13.45	55.72	0.50
45.80	30.72	1.96	1.00	2.007	0.71	42.49	86.51	13.50	55.98	0.50
45.85	30.89	1.96	1.00	2.009	0.71	42.70	85.61	13.54	56.24	0.50
45.90	31.06	1.96	1.00	2.011	0.71	42.92	84.70	13.58	56.50	0.50
45.95	31.23	1.96	1.00	2.013	0.70	43.13	83.79	13.63	56.76	0.50
46.00	31.40	1.96	1.00	2.015	0.70	43.35	82.89	13.67	57.02	0.50
46.05	31.57	1.96	1.00	2.016	0.70	43.57	81.98	13.71	57.28	0.50
46.10	31.74	1.96	1.00	2.018	0.70	43.78	81.08	13.76	57.54	0.50
46.15	31.91	1.96	1.00	2.020	0.70	44.00	80.17	13.80	57.79	0.50

46.20	32.08	1.96	1.00	2.022	0.70	44.21	79.26	13.84	58.05	0.50
46.25	32.25	1.96	1.00	2.023	0.70	44.43	78.36	13.89	58.31	0.50
46.30	32.42	1.96	1.00	2.025	0.70	44.64	77.45	13.93	58.57	0.50
46.35	32.59	1.96	1.00	2.027	0.70	44.85	76.55	13.97	58.82	0.50
46.40	32.76	1.96	1.00	2.029	0.70	45.07	75.64	14.01	59.08	0.50
46.45	32.93	1.96	1.00	2.031	0.70	45.28	74.73	14.06	59.34	0.50
46.50	33.10	1.96	1.00	2.032	0.70	45.50	73.83	14.10	59.60	0.50
46.55	33.27	1.96	1.00	2.034	0.70	45.71	72.92	14.14	59.85	0.50
46.60	33.44	1.96	1.00	2.036	0.70	45.92	72.02	14.18	60.11	0.50
46.65	33.61	1.96	1.00	2.038	0.70	46.14	71.11	14.23	60.36	0.50
46.70	33.78	1.96	1.00	2.039	0.70	46.35	70.20	14.27	60.62	0.50
46.75	33.95	1.96	1.00	2.041	0.70	46.56	69.30	14.31	60.88	0.50
46.80	34.12	1.96	1.00	2.043	0.70	46.78	68.39	14.36	61.13	0.50
46.85	34.29	1.96	1.00	2.045	0.70	46.99	67.49	14.40	61.39	0.50
46.90	34.46	1.96	1.00	2.047	0.70	47.20	66.58	14.44	61.64	0.50
46.95	34.63	1.96	1.00	2.048	0.70	47.41	65.67	14.48	61.90	0.50
47.00	34.80	1.96	1.00	2.050	0.70	47.63	64.77	14.53	62.15	0.50
47.05	34.97	1.96	1.00	2.052	0.70	47.84	63.86	14.57	62.41	0.50
47.10	35.14	1.96	1.00	2.054	0.70	48.05	62.96	14.61	62.66	0.50
47.15	35.31	1.96	1.00	2.055	0.70	48.26	62.05	14.65	62.91	0.50
47.20	35.48	1.96	1.00	2.057	0.70	48.47	61.14	14.69	63.17	0.50
47.25	35.65	1.96	1.00	2.059	0.70	48.68	60.24	14.74	63.42	0.50
47.30	35.82	1.96	1.00	2.061	0.70	48.90	59.33	14.78	63.67	0.50
47.35	35.99	1.96	1.00	2.062	0.70	49.11	58.43	14.82	63.93	0.50
47.40	36.16	1.96	1.00	2.064	0.70	49.32	57.52	14.86	64.18	0.50
47.45	36.33	1.96	1.00	2.066	0.70	49.53	56.61	14.91	64.43	0.50
47.50	36.50	1.96	1.00	2.068	0.70	49.74	55.71	14.95	64.69	0.50
47.55	36.67	1.96	1.00	2.069	0.70	49.95	54.80	14.99	64.94	0.50
47.60	36.84	1.96	1.00	2.071	0.69	50.16	53.90	15.03	65.19	0.50
47.65	37.01	1.96	1.00	2.073	0.69	50.37	52.99	15.07	65.44	0.50
47.70	37.18	1.96	1.00	2.075	0.69	50.58	52.08	15.12	65.70	0.50
47.75	37.35	1.96	1.00	2.076	0.69	50.79	51.18	15.16	65.95	0.50
47.80	37.52	1.96	1.00	2.078	0.69	51.00	50.27	15.20	66.20	0.50
47.85	37.69	1.96	1.00	2.080	0.69	51.21	49.37	15.24	66.45	0.50
47.90	37.86	1.96	1.00	2.082	0.69	51.42	48.46	15.28	66.70	0.50
47.95	38.03	1.96	1.00	2.083	0.69	51.63	47.55	15.33	66.95	0.50
48.00	38.20	1.96	1.00	2.085	0.69	51.84	46.65	15.37	67.20	0.50
48.05	38.37	1.96	1.00	2.087	0.69	52.05	45.74	15.41	67.46	0.50
48.10	38.54	1.96	1.00	2.089	0.69	52.26	44.84	15.45	67.71	0.50
48.15	38.71	1.96	1.00	2.090	0.69	52.46	43.93	15.49	67.96	0.50
48.20	38.88	1.96	1.00	2.092	0.69	52.67	43.02	15.53	68.21	0.50
48.25	39.05	1.96	1.00	2.094	0.69	52.88	42.12	15.58	68.46	0.50
48.30	39.22	1.96	1.00	2.096	0.69	53.09	41.21	15.62	68.71	0.50
48.35	39.39	1.96	1.00	2.097	0.69	53.30	40.31	15.66	68.96	0.50
48.40	39.56	1.96	1.00	2.099	0.69	53.50	39.40	15.70	69.21	0.50
48.45	39.73	1.96	1.00	2.101	0.69	53.71	38.49	15.74	69.46	0.50
48.50	39.90	1.96	1.00	2.103	0.69	53.92	37.59	15.78	69.70	0.50
48.55	40.07	1.96	1.00	2.104	0.69	54.13	36.68	15.83	69.95	0.50
48.60	40.24	1.96	1.00	2.106	0.69	54.34	35.78	15.87	70.20	0.50
48.65	40.41	1.96	1.00	2.108	0.69	54.54	34.87	15.66	70.20	0.50
48.70	40.58	1.96	1.00	2.109	0.69	54.75	33.96	15.22	69.97	0.50
48.75	40.75	1.96	1.00	2.111	0.69	54.96	33.06	14.78	69.74	0.50
48.80	40.92	1.96	1.00	2.113	0.69	55.16	32.15	14.34	69.51	0.50
48.85	41.09	1.96	1.00	2.115	0.69	55.37	31.25	13.90	69.27	0.50
48.90	41.26	1.96	1.00	2.116	0.69	55.58	30.34	13.46	69.04	0.50
48.95	41.43	1.96	1.00	2.118	0.69	55.78	29.43	13.02	68.80	0.50
49.00	41.60	1.96	1.00	2.120	0.69	55.99	28.53	12.57	68.56	0.50
49.05	41.77	1.96	1.00	2.121	0.69	56.19	27.62	12.13	68.32	0.50
49.10	41.94	1.96	1.00	2.123	0.69	56.40	26.72	11.68	68.08	0.50
49.15	42.11	1.96	1.00	2.125	0.69	56.61	25.81	11.23	67.83	0.50
49.20	42.28	1.96	1.00	2.127	0.69	56.81	24.90	10.77	67.58	0.50
49.25	42.45	1.96	1.00	2.128	0.69	57.02	24.00	10.31	67.33	0.50
49.30	42.62	1.96	1.00	2.130	0.69	57.22	23.09	9.85	67.07	0.50
49.35	42.79	1.96	1.00	2.132	0.68	57.43	22.19	9.38	66.81	0.50
49.40	42.96	1.96	1.00	2.133	0.68	57.63	21.28	8.90	66.54	0.50
49.45	43.13	1.96	1.00	2.135	0.68	57.84	20.37	8.42	66.26	0.50
49.50	43.30	1.96	1.00	2.137	0.68	58.04	19.47	7.93	65.97	0.50
49.55	43.47	1.96	1.00	2.139	0.68	58.25	18.56	7.42	65.67	0.50
49.60	43.64	1.96	1.00	2.140	0.68	58.45	17.66	6.91	65.36	0.50
49.65	43.81	1.96	1.00	2.142	0.68	58.66	16.75	6.39	65.04	0.50
49.70	43.98	1.96	1.00	2.144	0.68	58.86	15.84	5.85	64.71	0.50
49.75	44.15	1.96	1.00	2.145	0.68	59.07	14.94	5.30	64.37	0.50
49.80	44.32	1.96	1.00	2.147	0.68	59.27	14.03	4.74	64.01	0.50

49.85	44.49	1.96	1.00	2.149	0.68	59.47	13.13	4.16	63.64	0.50
49.90	44.66	1.96	1.00	2.150	0.68	59.68	12.22	3.58	63.26	0.50
49.95	44.83	1.96	1.00	2.152	0.68	59.88	11.31	3.00	62.88	0.50
50.00	45.00	1.96	1.00	2.154	0.68	60.08	10.41	2.42	62.51	0.50
50.05	45.00	1.96	1.00	2.156	0.68	60.06	10.40	2.42	62.48	0.50
50.10	45.00	1.96	1.00	2.157	0.68	60.04	10.40	2.42	62.46	0.50
50.15	45.00	1.96	1.00	2.159	0.68	60.02	10.40	2.42	62.43	0.50
50.20	45.00	1.96	1.00	2.161	0.68	59.99	10.40	2.42	62.41	0.50
50.25	45.00	1.96	1.00	2.162	0.68	59.97	10.40	2.41	62.38	0.50
50.30	45.00	1.96	1.00	2.164	0.68	59.95	10.40	2.41	62.36	0.50
50.35	45.00	1.96	1.00	2.166	0.68	59.92	10.40	2.41	62.34	0.50
50.40	45.00	1.96	1.00	2.167	0.68	59.90	10.40	2.41	62.31	0.50
50.45	45.00	1.96	1.00	2.169	0.68	59.88	10.40	2.41	62.29	0.50
50.50	45.00	1.96	1.00	2.170	0.68	59.86	10.40	2.41	62.27	0.50
50.55	45.00	1.96	1.00	2.172	0.68	59.83	10.40	2.41	62.24	0.50
50.60	45.00	1.96	1.00	2.174	0.68	59.81	10.40	2.41	62.22	0.50
50.65	45.00	1.96	1.00	2.175	0.68	59.79	10.40	2.41	62.20	0.50
50.70	45.00	1.96	1.00	2.177	0.68	59.77	10.40	2.41	62.18	0.50
50.75	45.00	1.96	1.00	2.179	0.68	59.74	10.40	2.41	62.15	0.50
50.80	45.00	1.96	1.00	2.180	0.68	59.72	10.40	2.41	62.13	0.50
50.85	45.00	1.96	1.00	2.182	0.68	59.70	10.40	2.41	62.11	0.50
50.90	45.00	1.96	1.00	2.183	0.68	59.68	10.40	2.41	62.09	0.50
50.95	45.00	1.96	1.00	2.185	0.68	59.66	10.40	2.41	62.07	0.50
51.00	45.00	1.96	1.00	2.186	0.68	59.64	10.40	2.41	62.04	0.50
51.05	45.00	1.96	1.00	2.188	0.68	59.61	10.40	2.41	62.02	0.50
51.10	45.00	1.96	1.00	2.190	0.68	59.59	10.40	2.41	62.00	0.50
51.15	45.00	1.96	1.00	2.191	0.68	59.57	10.40	2.41	61.98	0.50
51.20	45.00	1.96	1.00	2.193	0.68	59.55	10.40	2.41	61.96	0.50
51.25	45.00	1.96	1.00	2.194	0.68	59.53	10.40	2.40	61.94	0.50
51.30	45.00	1.96	1.00	2.196	0.67	59.51	10.40	2.40	61.91	0.50
51.35	45.00	1.96	1.00	2.197	0.67	59.49	10.40	2.40	61.89	0.50
51.40	45.00	1.96	1.00	2.199	0.67	59.47	10.40	2.40	61.87	0.50
51.45	45.00	1.96	1.00	2.200	0.67	59.45	10.40	2.40	61.85	0.50
51.50	45.00	1.96	1.00	2.202	0.67	59.43	10.40	2.40	61.83	0.50
51.55	45.00	1.96	1.00	2.203	0.67	59.41	10.40	2.40	61.81	0.50
51.60	45.00	1.96	1.00	2.205	0.67	59.39	10.40	2.40	61.79	0.50
51.65	45.00	1.96	1.00	2.206	0.67	59.37	10.40	2.40	61.77	0.50
51.70	45.00	1.96	1.00	2.208	0.67	59.35	10.40	2.40	61.75	0.50
51.75	45.00	1.96	1.00	2.209	0.67	59.33	10.40	2.40	61.73	0.50
51.80	45.00	1.96	1.00	2.211	0.67	59.31	10.40	2.40	61.71	0.50
51.85	45.00	1.96	1.00	2.212	0.67	59.29	10.40	2.40	61.69	0.50
51.90	45.00	1.96	1.00	2.214	0.67	59.27	10.40	2.40	61.67	0.50
51.95	45.00	1.96	1.00	2.215	0.67	59.25	10.40	2.40	61.65	0.50
52.00	45.00	1.96	1.00	2.217	0.67	59.23	10.40	2.40	61.63	0.50
52.05	45.00	1.96	1.00	2.218	0.67	59.21	10.40	2.40	61.61	0.50
52.10	45.00	1.96	1.00	2.219	0.67	59.19	10.40	2.40	61.59	0.50
52.15	45.00	1.96	1.00	2.221	0.67	59.17	10.40	2.40	61.57	0.50
52.20	45.00	1.96	1.00	2.222	0.67	59.15	10.40	2.40	61.55	0.50
52.25	45.00	1.96	1.00	2.224	0.67	59.14	10.40	2.40	61.53	0.50
52.30	45.00	1.96	1.00	2.225	0.67	59.12	10.40	2.39	61.51	0.50
52.35	45.00	1.96	1.00	2.226	0.67	59.10	10.40	2.39	61.49	0.50
52.40	45.00	1.96	1.00	2.228	0.67	59.08	10.40	2.39	61.47	0.50
52.45	45.00	1.96	1.00	2.229	0.67	59.06	10.40	2.39	61.46	0.50
52.50	45.00	1.96	1.00	2.231	0.67	59.04	10.40	2.39	61.44	0.50
52.55	45.00	1.96	1.00	2.232	0.67	59.03	10.40	2.39	61.42	0.50
52.60	45.00	1.96	1.00	2.233	0.67	59.01	10.40	2.39	61.40	0.50
52.65	45.00	1.96	1.00	2.235	0.67	58.99	10.40	2.39	61.38	0.50
52.70	45.00	1.96	1.00	2.236	0.67	58.97	10.40	2.39	61.36	0.50
52.75	45.00	1.96	1.00	2.237	0.67	58.95	10.40	2.39	61.34	0.50
52.80	45.00	1.96	1.00	2.239	0.67	58.94	10.40	2.39	61.33	0.50
52.85	45.00	1.96	1.00	2.240	0.67	58.92	10.40	2.39	61.31	0.50
52.90	45.00	1.96	1.00	2.241	0.67	58.90	10.40	2.39	61.29	0.50
52.95	45.00	1.96	1.00	2.243	0.67	58.88	10.40	2.39	61.27	0.50
53.00	45.00	1.96	1.00	2.244	0.67	58.87	10.40	2.39	61.26	0.50
53.05	45.00	1.96	1.00	2.245	0.67	58.85	10.40	2.39	61.24	0.50
53.10	45.00	1.96	1.00	2.247	0.67	58.83	10.40	2.39	61.22	0.50
53.15	45.00	1.96	1.00	2.248	0.67	58.82	10.40	2.39	61.20	0.50
53.20	45.00	1.96	1.00	2.249	0.67	58.80	10.40	2.39	61.19	0.50
53.25	45.00	1.96	1.00	2.250	0.67	58.78	10.40	2.39	61.17	0.50
53.30	45.00	1.96	1.00	2.252	0.67	58.76	10.40	2.39	61.15	0.50
53.35	45.00	1.96	1.00	2.253	0.67	58.75	10.40	2.39	61.13	0.50
53.40	45.00	1.96	1.00	2.254	0.67	58.73	10.40	2.39	61.12	0.50
53.45	45.00	1.96	1.00	2.256	0.67	58.72	10.40	2.39	61.10	0.50

53.50	45.00	1.96	1.00	2.257	0.67	58.70	10.40	2.39	61.08	0.50
53.55	45.00	1.96	1.00	2.258	0.67	58.68	10.40	2.38	61.07	0.50
53.60	45.00	1.96	1.00	2.259	0.67	58.67	10.40	2.38	61.05	0.50
53.65	45.00	1.96	1.00	2.261	0.67	58.65	10.40	2.38	61.04	0.50
53.70	45.00	1.96	1.00	2.262	0.66	58.64	10.40	2.38	61.02	0.50
53.75	45.00	1.96	1.00	2.263	0.66	58.62	10.40	2.38	61.00	0.50
53.80	45.00	1.96	1.00	2.264	0.66	58.60	10.40	2.38	60.99	0.50
53.85	45.00	1.96	1.00	2.265	0.66	58.59	10.40	2.38	60.97	0.50
53.90	45.00	1.96	1.00	2.267	0.66	58.57	10.40	2.38	60.95	0.50
53.95	45.00	1.96	1.00	2.268	0.66	58.56	10.40	2.38	60.94	0.50
54.00	45.00	1.96	1.00	2.269	0.66	58.54	10.40	2.38	60.92	0.50
54.05	45.00	1.96	1.00	2.270	0.66	58.53	10.40	2.38	60.91	0.50
54.10	45.00	1.96	1.00	2.271	0.66	58.51	10.40	2.38	60.89	0.50
54.15	45.00	1.96	1.00	2.272	0.66	58.50	10.40	2.38	60.88	0.50
54.20	45.00	1.96	1.00	2.274	0.66	58.48	10.40	2.38	60.86	0.50
54.25	45.00	1.96	1.00	2.275	0.66	58.47	10.40	2.38	60.85	0.50
54.30	45.00	1.96	1.00	2.276	0.66	58.45	10.40	2.38	60.83	0.50
54.35	45.00	1.96	1.00	2.277	0.66	58.44	10.40	2.38	60.82	0.50
54.40	45.00	1.96	1.00	2.278	0.66	58.42	10.40	2.38	60.80	0.50
54.45	45.00	1.96	1.00	2.279	0.66	58.41	10.40	2.38	60.79	0.50
54.50	45.00	1.96	1.00	2.280	0.66	58.39	10.40	2.38	60.77	0.50
54.55	45.00	1.96	1.00	2.282	0.66	58.38	10.40	2.38	60.76	0.50
54.60	45.00	1.96	1.00	2.283	0.66	58.37	10.40	2.38	60.74	0.50
54.65	45.00	1.96	1.00	2.284	0.66	58.35	10.40	2.38	60.73	0.50
54.70	45.00	1.96	1.00	2.285	0.66	58.34	10.40	2.38	60.71	0.50
54.75	45.00	1.96	1.00	2.286	0.66	58.32	10.40	2.38	60.70	0.50
54.80	45.00	1.96	1.00	2.287	0.66	58.31	10.40	2.38	60.69	0.50
54.85	45.00	1.96	1.00	2.288	0.66	58.30	10.40	2.38	60.67	0.50
54.90	45.00	1.96	1.00	2.289	0.66	58.28	10.40	2.38	60.66	0.50
54.95	45.00	1.96	1.00	2.290	0.66	58.27	10.40	2.37	60.64	0.50
55.00	45.00	1.96	1.00	2.291	0.66	58.26	10.40	2.37	60.63	0.50
55.05	44.99	1.96	1.00	2.292	0.66	58.23	10.40	2.37	60.60	0.50
55.10	44.98	1.96	1.00	2.293	0.66	58.20	10.40	2.37	60.58	0.50
55.15	44.97	1.96	1.00	2.294	0.66	58.18	10.40	2.37	60.55	0.50
55.20	44.96	1.96	1.00	2.296	0.66	58.15	10.40	2.37	60.52	0.50
55.25	44.95	1.96	1.00	2.297	0.66	58.12	10.40	2.37	60.50	0.50
55.30	44.94	1.96	1.00	2.298	0.66	58.10	10.40	2.37	60.47	0.50
55.35	44.93	1.96	1.00	2.299	0.66	58.07	10.40	2.37	60.44	0.50
55.40	44.92	1.96	1.00	2.300	0.66	58.05	10.40	2.37	60.42	0.50
55.45	44.91	1.96	1.00	2.301	0.66	58.02	10.40	2.37	60.39	0.50
55.50	44.90	1.96	1.00	2.302	0.66	57.99	10.40	2.37	60.36	0.50
55.55	44.89	1.96	1.00	2.303	0.66	57.97	10.40	2.37	60.33	0.50
55.60	44.88	1.96	1.00	2.304	0.66	57.94	10.40	2.37	60.31	0.50
55.65	44.87	1.96	1.00	2.305	0.66	57.91	10.40	2.37	60.28	0.50
55.70	44.86	1.96	1.00	2.306	0.66	57.89	10.40	2.37	60.25	0.50
55.75	44.85	1.96	1.00	2.307	0.66	57.86	10.40	2.37	60.23	0.50
55.80	44.84	1.96	1.00	2.308	0.66	57.84	10.40	2.36	60.20	0.50
55.85	44.83	1.96	1.00	2.309	0.66	57.81	10.40	2.36	60.17	0.50
55.90	44.82	1.96	1.00	2.310	0.66	57.78	10.40	2.36	60.15	0.50
55.95	44.81	1.96	1.00	2.311	0.66	57.76	10.40	2.36	60.12	0.50
56.00	44.80	1.96	1.00	2.312	0.66	57.73	10.40	2.36	60.09	0.50
56.05	44.79	1.96	1.00	2.313	0.66	57.71	10.40	2.36	60.07	0.50
56.10	44.78	1.96	1.00	2.314	0.66	57.68	10.40	2.36	60.04	0.50
56.15	44.77	1.96	1.00	2.316	0.66	57.65	10.40	2.36	60.01	0.50
56.20	44.76	1.96	1.00	2.317	0.66	57.63	10.40	2.36	59.99	0.50
56.25	44.75	1.96	1.00	2.318	0.66	57.60	10.40	2.36	59.96	0.50
56.30	44.74	1.96	1.00	2.319	0.66	57.58	10.40	2.36	59.93	0.50
56.35	44.73	1.96	1.00	2.320	0.66	57.55	10.40	2.36	59.91	0.50
56.40	44.72	1.96	1.00	2.321	0.66	57.52	10.40	2.36	59.88	0.50
56.45	44.71	1.96	1.00	2.322	0.66	57.50	10.40	2.36	59.85	0.50
56.50	44.70	1.96	1.00	2.323	0.66	57.47	10.40	2.36	59.83	0.50
56.55	44.69	1.96	1.00	2.324	0.66	57.45	10.40	2.36	59.80	0.50
56.60	44.68	1.96	1.00	2.325	0.66	57.42	10.40	2.35	59.78	0.50
56.65	44.67	1.96	1.00	2.326	0.66	57.39	10.40	2.35	59.75	0.50
56.70	44.66	1.96	1.00	2.327	0.66	57.37	10.40	2.35	59.72	0.50
56.75	44.65	1.96	1.00	2.328	0.66	57.34	10.40	2.35	59.70	0.50
56.80	44.64	1.96	1.00	2.329	0.66	57.32	10.40	2.35	59.67	0.50
56.85	44.63	1.96	1.00	2.330	0.66	57.29	10.40	2.35	59.64	0.50
56.90	44.62	1.96	1.00	2.331	0.65	57.27	10.40	2.35	59.62	0.50
56.95	44.61	1.96	1.00	2.332	0.65	57.24	10.40	2.35	59.59	0.50
57.00	44.60	1.96	1.00	2.333	0.65	57.21	10.40	2.35	59.56	0.50
57.05	44.59	1.96	1.00	2.335	0.65	57.19	10.40	2.35	59.54	0.50
57.10	44.58	1.96	1.00	2.336	0.65	57.16	10.40	2.35	59.51	0.50

57.15	44.57	1.96	1.00	2.337	0.65	57.14	10.40	2.35	59.48	0.50
57.20	44.56	1.96	1.00	2.338	0.65	57.11	10.40	2.35	59.46	0.50
57.25	44.55	1.96	1.00	2.339	0.65	57.08	10.40	2.35	59.43	0.50
57.30	44.54	1.96	1.00	2.340	0.65	57.06	10.40	2.35	59.41	0.50
57.35	44.53	1.96	1.00	2.341	0.65	57.03	10.40	2.35	59.38	0.50
57.40	44.52	1.96	1.00	2.342	0.65	57.01	10.40	2.35	59.35	0.50
57.45	44.51	1.96	1.00	2.343	0.65	56.98	10.40	2.34	59.33	0.50
57.50	44.50	1.96	1.00	2.344	0.65	56.96	10.40	2.34	59.30	0.50
57.55	44.49	1.96	1.00	2.345	0.65	56.93	10.40	2.34	59.27	0.50
57.60	44.48	1.96	1.00	2.346	0.65	56.91	10.40	2.34	59.25	0.50
57.65	44.47	1.96	1.00	2.347	0.65	56.88	10.40	2.34	59.22	0.50
57.70	44.46	1.96	1.00	2.348	0.65	56.85	10.40	2.34	59.20	0.50
57.75	44.45	1.96	1.00	2.349	0.65	56.83	10.40	2.34	59.17	0.50
57.80	44.44	1.96	1.00	2.350	0.65	56.80	10.40	2.34	59.14	0.50
57.85	44.43	1.96	1.00	2.351	0.65	56.78	10.40	2.34	59.12	0.50
57.90	44.42	1.96	1.00	2.353	0.65	56.75	10.40	2.34	59.09	0.50
57.95	44.41	1.96	1.00	2.354	0.65	56.73	10.40	2.34	59.06	0.50
58.00	44.40	1.96	1.00	2.355	0.65	56.70	10.40	2.34	59.04	0.50
58.05	44.39	1.96	1.00	2.356	0.65	56.68	10.40	2.34	59.01	0.50
58.10	44.38	1.96	1.00	2.357	0.65	56.65	10.40	2.34	58.99	0.50
58.15	44.37	1.96	1.00	2.358	0.65	56.62	10.40	2.34	58.96	0.50
58.20	44.36	1.96	1.00	2.359	0.65	56.60	10.40	2.34	58.93	0.50
58.25	44.35	1.96	1.00	2.360	0.65	56.57	10.40	2.34	58.91	0.50
58.30	44.34	1.96	1.00	2.361	0.65	56.55	10.40	2.33	58.88	0.50
58.35	44.33	1.96	1.00	2.362	0.65	56.52	10.40	2.33	58.86	0.50
58.40	44.32	1.96	1.00	2.363	0.65	56.50	10.40	2.33	58.83	0.50
58.45	44.31	1.96	1.00	2.364	0.65	56.47	10.40	2.33	58.80	0.50
58.50	44.30	1.96	1.00	2.365	0.65	56.45	10.40	2.33	58.78	0.50
58.55	44.29	1.96	1.00	2.366	0.65	56.42	10.40	2.33	58.75	0.50
58.60	44.28	1.96	1.00	2.367	0.65	56.40	10.40	2.33	58.73	0.50
58.65	44.27	1.96	1.00	2.368	0.65	56.37	10.40	2.33	58.70	0.50
58.70	44.26	1.96	1.00	2.370	0.65	56.34	10.40	2.33	58.67	0.50
58.75	44.25	1.96	1.00	2.371	0.65	56.32	10.40	2.33	58.65	0.50
58.80	44.24	1.96	1.00	2.372	0.65	56.29	10.40	2.33	58.62	0.50
58.85	44.23	1.96	1.00	2.373	0.65	56.27	10.40	2.33	58.60	0.50
58.90	44.22	1.96	1.00	2.374	0.65	56.24	10.40	2.33	58.57	0.50
58.95	44.21	1.96	1.00	2.375	0.65	56.22	10.40	2.33	58.54	0.50
59.00	44.20	1.96	1.00	2.376	0.65	56.19	10.40	2.33	58.52	0.50
59.05	44.19	1.96	1.00	2.377	0.65	56.17	10.40	2.33	58.49	0.50
59.10	44.18	1.96	1.00	2.378	0.65	56.14	10.40	2.32	58.47	0.50
59.15	44.17	1.96	1.00	2.379	0.65	56.12	10.40	2.32	58.44	0.50
59.20	44.16	1.96	1.00	2.380	0.65	56.09	10.40	2.32	58.42	0.50
59.25	44.15	1.96	1.00	2.381	0.65	56.07	10.40	2.32	58.39	0.50
59.30	44.14	1.96	1.00	2.382	0.65	56.04	10.40	2.32	58.36	0.50
59.35	44.13	1.96	1.00	2.383	0.65	56.02	10.40	2.32	58.34	0.50
59.40	44.12	1.96	1.00	2.384	0.65	55.99	10.40	2.32	58.31	0.50
59.45	44.11	1.96	1.00	2.385	0.65	55.97	10.40	2.32	58.29	0.50
59.50	44.10	1.96	1.00	2.387	0.65	55.94	10.40	2.32	58.26	0.50
59.55	44.09	1.96	1.00	2.388	0.65	55.92	10.40	2.32	58.23	0.50
59.60	44.08	1.96	1.00	2.389	0.65	55.89	10.40	2.32	58.21	0.50
59.65	44.07	1.96	1.00	2.390	0.65	55.86	10.40	2.32	58.18	0.50
59.70	44.06	1.96	1.00	2.391	0.65	55.84	10.40	2.32	58.16	0.50
59.75	44.05	1.96	1.00	2.392	0.65	55.81	10.40	2.32	58.13	0.50
59.80	44.04	1.96	1.00	2.393	0.65	55.79	10.40	2.32	58.11	0.50
59.85	44.03	1.96	1.00	2.394	0.65	55.76	10.40	2.32	58.08	0.50
59.90	44.02	1.96	1.00	2.395	0.65	55.74	10.40	2.32	58.05	0.50
59.95	44.01	1.96	1.00	2.396	0.65	55.71	10.40	2.31	58.03	0.50
60.00	44.00	1.96	1.00	2.397	0.65	55.69	10.40	2.31	58.00	0.50
60.05	43.99	1.96	1.00	2.398	0.65	55.66	10.40	2.31	57.98	0.50
60.10	43.98	1.96	1.00	2.399	0.65	55.64	10.40	2.31	57.95	0.50
60.15	43.97	1.96	1.00	2.400	0.65	55.61	10.40	2.31	57.93	0.50
60.20	43.96	1.96	1.00	2.401	0.65	55.59	10.40	2.31	57.90	0.50
60.25	43.95	1.96	1.00	2.402	0.65	55.56	10.40	2.31	57.88	0.50
60.30	43.94	1.96	1.00	2.404	0.65	55.54	10.40	2.31	57.85	0.50
60.35	43.93	1.96	1.00	2.405	0.64	55.51	10.40	2.31	57.82	0.50
60.40	43.92	1.96	1.00	2.406	0.64	55.49	10.40	2.31	57.80	0.50
60.45	43.91	1.96	1.00	2.407	0.64	55.46	10.40	2.31	57.77	0.50
60.50	43.90	1.96	1.00	2.408	0.64	55.44	10.40	2.31	57.75	0.50
60.55	43.89	1.96	1.00	2.409	0.64	55.42	10.40	2.31	57.72	0.50
60.60	43.88	1.96	1.00	2.410	0.64	55.39	10.40	2.31	57.70	0.50
60.65	43.87	1.96	1.00	2.411	0.64	55.37	10.40	2.31	57.67	0.50
60.70	43.86	1.96	1.00	2.412	0.64	55.34	10.40	2.31	57.65	0.50
60.75	43.85	1.96	1.00	2.413	0.64	55.32	10.40	2.31	57.62	0.50

60.80	43.84	1.96	1.00	2.414	0.64	55.29	10.40	2.30	57.60	0.50
60.85	43.83	1.96	1.00	2.415	0.64	55.27	10.40	2.30	57.57	0.50
60.90	43.82	1.96	1.00	2.416	0.64	55.24	10.40	2.30	57.55	0.50
60.95	43.81	1.96	1.00	2.417	0.64	55.22	10.40	2.30	57.52	0.50
61.00	43.80	1.96	1.00	2.418	0.64	55.19	10.40	2.30	57.50	0.50
61.05	43.79	1.96	1.00	2.419	0.64	55.17	10.40	2.30	57.47	0.50
61.10	43.78	1.96	1.00	2.420	0.64	55.14	10.40	2.30	57.44	0.50
61.15	43.77	1.96	1.00	2.422	0.64	55.12	10.40	2.30	57.42	0.50
61.20	43.76	1.96	1.00	2.423	0.64	55.09	10.40	2.30	57.39	0.50
61.25	43.75	1.96	1.00	2.424	0.64	55.07	10.40	2.30	57.37	0.50
61.30	43.74	1.96	1.00	2.425	0.64	55.04	10.40	2.30	57.34	0.50
61.35	43.73	1.96	1.00	2.426	0.64	55.02	10.40	2.30	57.32	0.50
61.40	43.72	1.96	1.00	2.427	0.64	55.00	10.40	2.30	57.29	0.50
61.45	43.71	1.96	1.00	2.428	0.64	54.97	10.40	2.30	57.27	0.50
61.50	43.70	1.96	1.00	2.429	0.64	54.95	10.40	2.30	57.24	0.50
61.55	43.69	1.96	1.00	2.430	0.64	54.92	10.40	2.30	57.22	0.50
61.60	43.68	1.96	1.00	2.431	0.64	54.90	10.40	2.30	57.19	0.50
61.65	43.67	1.96	1.00	2.432	0.64	54.87	10.40	2.30	57.17	0.50
61.70	43.66	1.96	1.00	2.433	0.64	54.85	10.40	2.29	57.14	0.50
61.75	43.65	1.96	1.00	2.434	0.64	54.82	10.40	2.29	57.12	0.50
61.80	43.64	1.96	1.00	2.435	0.64	54.80	10.40	2.29	57.09	0.50
61.85	43.63	1.96	1.00	2.436	0.64	54.78	10.40	2.29	57.07	0.50
61.90	43.62	1.96	1.00	2.437	0.64	54.75	10.40	2.29	57.04	0.50
61.95	43.61	1.96	1.00	2.438	0.64	54.73	10.40	2.29	57.02	0.50
62.00	43.60	1.96	1.00	2.439	0.64	54.70	10.40	2.29	56.99	0.50
62.05	43.59	1.96	1.00	2.440	0.64	54.68	10.40	2.29	56.97	0.50
62.10	43.58	1.96	1.00	2.441	0.64	54.65	10.40	2.29	56.94	0.50
62.15	43.57	1.96	1.00	2.443	0.64	54.63	10.40	2.29	56.92	0.50
62.20	43.56	1.96	1.00	2.444	0.64	54.61	10.40	2.29	56.90	0.50
62.25	43.55	1.96	1.00	2.445	0.64	54.58	10.40	2.29	56.87	0.50
62.30	43.54	1.96	1.00	2.446	0.64	54.56	10.40	2.29	56.85	0.50
62.35	43.53	1.96	1.00	2.447	0.64	54.53	10.40	2.29	56.82	0.50
62.40	43.52	1.96	1.00	2.448	0.64	54.51	10.40	2.29	56.80	0.50
62.45	43.51	1.96	1.00	2.449	0.64	54.49	10.40	2.29	56.77	0.50
62.50	43.50	1.96	1.00	2.450	0.64	54.46	10.40	2.29	56.75	0.50
62.55	43.49	1.96	1.00	2.451	0.64	54.44	10.40	2.28	56.72	0.50
62.60	43.48	1.96	1.00	2.452	0.64	54.41	10.40	2.28	56.70	0.50
62.65	43.47	1.96	1.00	2.453	0.64	54.39	10.40	2.28	56.67	0.50
62.70	43.46	1.96	1.00	2.454	0.64	54.37	10.40	2.28	56.65	0.50
62.75	43.45	1.96	1.00	2.455	0.64	54.34	10.40	2.28	56.62	0.50
62.80	43.44	1.96	1.00	2.456	0.64	54.32	10.40	2.28	56.60	0.50
62.85	43.43	1.96	1.00	2.457	0.64	54.29	10.40	2.28	56.57	0.50
62.90	43.42	1.96	1.00	2.458	0.64	54.27	10.40	2.28	56.55	0.50
62.95	43.41	1.96	1.00	2.459	0.64	54.25	10.40	2.28	56.53	0.50
63.00	43.40	1.96	1.00	2.460	0.64	54.22	10.40	2.28	56.50	0.50
63.05	43.39	1.96	1.00	2.461	0.64	54.20	10.40	2.28	56.48	0.50
63.10	43.38	1.96	1.00	2.462	0.64	54.17	10.40	2.28	56.45	0.50
63.15	43.37	1.96	1.00	2.463	0.64	54.15	10.40	2.28	56.43	0.50
63.20	43.36	1.96	1.00	2.464	0.64	54.13	10.40	2.28	56.40	0.50
63.25	43.35	1.96	1.00	2.465	0.64	54.10	10.40	2.28	56.38	0.50
63.30	43.34	1.96	1.00	2.466	0.64	54.08	10.40	2.28	56.35	0.50
63.35	43.33	1.96	1.00	2.467	0.64	54.05	10.40	2.28	56.33	0.50
63.40	43.32	1.96	1.00	2.468	0.64	54.03	10.40	2.28	56.31	0.50
63.45	43.31	1.96	1.00	2.470	0.64	54.01	10.40	2.27	56.28	0.50
63.50	43.30	1.96	1.00	2.471	0.64	53.98	10.40	2.27	56.26	0.50
63.55	43.29	1.96	1.00	2.472	0.64	53.96	10.40	2.27	56.23	0.50
63.60	43.28	1.96	1.00	2.473	0.64	53.94	10.40	2.27	56.21	0.50
63.65	43.27	1.96	1.00	2.474	0.64	53.91	10.40	2.27	56.18	0.50
63.70	43.26	1.96	1.00	2.475	0.64	53.89	10.40	2.27	56.16	0.50
63.75	43.25	1.96	1.00	2.476	0.64	53.86	10.40	2.27	56.14	0.50
63.80	43.24	1.96	1.00	2.477	0.64	53.84	10.40	2.27	56.11	0.50
63.85	43.23	1.96	1.00	2.478	0.64	53.82	10.40	2.27	56.09	0.50
63.90	43.22	1.96	1.00	2.479	0.64	53.79	10.40	2.27	56.06	0.50
63.95	43.21	1.96	1.00	2.480	0.64	53.77	10.40	2.27	56.04	0.50
64.00	43.20	1.96	1.00	2.481	0.63	53.75	10.40	2.27	56.02	0.50
64.05	43.19	1.96	1.00	2.482	0.63	53.72	10.40	2.27	55.99	0.50
64.10	43.18	1.96	1.00	2.483	0.63	53.70	10.40	2.27	55.97	0.50
64.15	43.17	1.96	1.00	2.484	0.63	53.68	10.40	2.27	55.94	0.50
64.20	43.16	1.96	1.00	2.485	0.63	53.65	10.40	2.27	55.92	0.50
64.25	43.15	1.96	1.00	2.486	0.63	53.63	10.40	2.27	55.89	0.50
64.30	43.14	1.96	1.00	2.487	0.63	53.61	10.40	2.27	55.87	0.50
64.35	43.13	1.96	1.00	2.488	0.63	53.58	10.40	2.26	55.85	0.50
64.40	43.12	1.96	1.00	2.489	0.63	53.56	10.40	2.26	55.82	0.50

64.45	43.11	1.96	1.00	2.490	0.63	53.54	10.40	2.26	55.80	0.50
64.50	43.10	1.96	1.00	2.491	0.63	53.51	10.40	2.26	55.78	0.50
64.55	43.09	1.96	1.00	2.492	0.63	53.49	10.40	2.26	55.75	0.50
64.60	43.08	1.96	1.00	2.493	0.63	53.47	10.40	2.26	55.73	0.50
64.65	43.07	1.96	1.00	2.494	0.63	53.44	10.40	2.26	55.70	0.50
64.70	43.06	1.96	1.00	2.495	0.63	53.42	10.40	2.26	55.68	0.50
64.75	43.05	1.96	1.00	2.496	0.63	53.40	10.40	2.26	55.66	0.50
64.80	43.04	1.96	1.00	2.497	0.63	53.37	10.40	2.26	55.63	0.50
64.85	43.03	1.96	1.00	2.498	0.63	53.35	10.40	2.26	55.61	0.50
64.90	43.02	1.96	1.00	2.499	0.63	53.33	10.40	2.26	55.58	0.50
64.95	43.01	1.96	1.00	2.500	0.63	53.30	10.40	2.26	55.56	0.50
65.00	43.00	1.96	1.00	2.501	0.63	53.28	10.40	2.26	55.54	0.50

CRR is based on water table at 21.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.77:

Depth ft	sigC' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	F.S.=CRRm/CSRfs	
10.00	0.40	0.33	1.00	0.33	1.30	0.43	0.94	0.46	*
10.05	0.41	0.33	1.00	0.33	1.30	0.43	0.94	0.46	*
10.10	0.41	0.33	1.00	0.33	1.30	0.42	0.94	0.45	*
10.15	0.41	0.33	1.00	0.33	1.30	0.42	0.94	0.45	*
10.20	0.41	0.32	1.00	0.32	1.30	0.42	0.94	0.45	*
10.25	0.41	0.32	1.00	0.32	1.30	0.42	0.94	0.45	*
10.30	0.42	0.32	1.00	0.32	1.30	0.42	0.94	0.45	*
10.35	0.42	0.32	1.00	0.32	1.30	0.41	0.94	0.44	*
10.40	0.42	0.32	1.00	0.32	1.30	0.41	0.94	0.44	*
10.45	0.42	0.32	1.00	0.32	1.30	0.41	0.94	0.44	*
10.50	0.42	0.32	1.00	0.32	1.30	0.41	0.94	0.44	*
10.55	0.43	0.31	1.00	0.31	1.30	0.41	0.94	0.44	*
10.60	0.43	0.31	1.00	0.31	1.30	0.41	0.94	0.43	*
10.65	0.43	0.31	1.00	0.31	1.30	0.40	0.94	0.43	*
10.70	0.43	0.31	1.00	0.31	1.30	0.40	0.94	0.43	*
10.75	0.43	0.31	1.00	0.31	1.30	0.40	0.94	0.43	*
10.80	0.44	0.31	1.00	0.31	1.30	0.40	0.94	0.43	*
10.85	0.44	0.31	1.00	0.31	1.30	0.40	0.94	0.43	*
10.90	0.44	0.31	1.00	0.31	1.30	0.40	0.94	0.42	*
10.95	0.44	0.30	1.00	0.30	1.30	0.40	0.94	0.42	*
11.00	0.44	0.30	1.00	0.30	1.30	0.39	0.94	0.42	*
11.05	0.45	0.30	1.00	0.30	1.30	0.39	0.94	0.42	*
11.10	0.45	0.30	1.00	0.30	1.30	0.39	0.94	0.42	*
11.15	0.45	0.30	1.00	0.30	1.30	0.39	0.94	0.42	*
11.20	0.45	0.30	1.00	0.30	1.30	0.39	0.94	0.42	*
11.25	0.45	0.30	1.00	0.30	1.30	0.39	0.94	0.41	*
11.30	0.46	0.30	1.00	0.30	1.30	0.39	0.94	0.41	*
11.35	0.46	0.30	1.00	0.30	1.30	0.38	0.94	0.41	*
11.40	0.46	0.30	1.00	0.30	1.30	0.38	0.94	0.41	*
11.45	0.46	0.29	1.00	0.29	1.30	0.38	0.94	0.41	*
11.50	0.46	0.29	1.00	0.29	1.30	0.38	0.94	0.41	*
11.55	0.47	0.29	1.00	0.29	1.30	0.38	0.94	0.41	*
11.60	0.47	0.29	1.00	0.29	1.30	0.38	0.94	0.40	*
11.65	0.47	0.29	1.00	0.29	1.30	0.38	0.94	0.40	*
11.70	0.47	0.29	1.00	0.29	1.30	0.38	0.94	0.40	*
11.75	0.47	0.29	1.00	0.29	1.30	0.38	0.94	0.40	*
11.80	0.48	0.29	1.00	0.29	1.30	0.37	0.94	0.40	*
11.85	0.48	0.29	1.00	0.29	1.30	0.37	0.94	0.40	*
11.90	0.48	0.29	1.00	0.29	1.30	0.37	0.94	0.40	*
11.95	0.48	0.29	1.00	0.29	1.30	0.37	0.94	0.40	*
12.00	0.48	0.28	1.00	0.28	1.30	0.37	0.94	0.40	*
12.05	0.49	0.28	1.00	0.28	1.30	0.37	0.94	0.39	*
12.10	0.49	0.28	1.00	0.28	1.30	0.37	0.94	0.39	*
12.15	0.49	0.28	1.00	0.28	1.30	0.37	0.94	0.39	*
12.20	0.49	0.28	1.00	0.28	1.30	0.37	0.94	0.39	*
12.25	0.49	0.28	1.00	0.28	1.30	0.36	0.94	0.39	*
12.30	0.49	0.28	1.00	0.28	1.30	0.36	0.94	0.39	*
12.35	0.50	0.28	1.00	0.28	1.30	0.36	0.94	0.39	*
12.40	0.50	0.28	1.00	0.28	1.30	0.36	0.94	0.39	*
12.45	0.50	0.28	1.00	0.28	1.30	0.36	0.94	0.39	*
12.50	0.50	0.28	1.00	0.28	1.30	0.36	0.94	0.38	*
12.55	0.50	0.28	1.00	0.28	1.30	0.36	0.94	0.38	*
12.60	0.51	0.28	1.00	0.28	1.30	0.36	0.94	0.38	*
12.65	0.51	0.27	1.00	0.27	1.30	0.36	0.94	0.38	*

12.70	0.51	0.27	1.00	0.27	1.30	0.36	0.94	0.38 *
12.75	0.51	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
12.80	0.51	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
12.85	0.52	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
12.90	0.52	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
12.95	0.52	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
13.00	0.52	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
13.05	0.52	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
13.10	0.53	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
13.15	0.53	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
13.20	0.53	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
13.25	0.53	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
13.30	0.53	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
13.35	0.53	0.27	1.00	0.27	1.30	0.34	0.94	0.37 *
13.40	0.54	0.26	1.00	0.26	1.30	0.34	0.94	0.37 *
13.45	0.54	0.26	1.00	0.26	1.30	0.34	0.94	0.37 *
13.50	0.54	0.26	1.00	0.26	1.30	0.34	0.94	0.37 *
13.55	0.54	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
13.60	0.54	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
13.65	0.55	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
13.70	0.55	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
13.75	0.55	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
13.80	0.55	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
13.85	0.55	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
13.90	0.55	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
13.95	0.56	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
14.00	0.56	0.26	1.00	0.26	1.30	0.34	0.94	0.36 *
14.05	0.56	0.26	1.00	0.26	1.30	0.33	0.94	0.36 *
14.10	0.56	0.26	1.00	0.26	1.30	0.33	0.94	0.36 *
14.15	0.56	0.26	1.00	0.26	1.30	0.33	0.94	0.35 *
14.20	0.57	0.26	1.00	0.26	1.30	0.33	0.94	0.35 *
14.25	0.57	0.26	1.00	0.26	1.30	0.33	0.94	0.35 *
14.30	0.57	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.35	0.57	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.40	0.57	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.45	0.57	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.50	0.58	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.55	0.58	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.60	0.58	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.65	0.58	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.70	0.58	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.75	0.59	0.25	1.00	0.25	1.30	0.33	0.94	0.35 *
14.80	0.59	0.29	1.00	0.29	1.30	0.38	0.94	0.40 *
14.85	0.59	0.29	1.00	0.29	1.30	0.38	0.94	0.40 *
14.90	0.59	0.29	1.00	0.29	1.30	0.38	0.94	0.40 *
14.95	0.59	0.29	1.00	0.29	1.30	0.37	0.94	0.40 *
15.00	0.59	0.29	1.00	0.29	1.30	0.37	0.94	0.40 *
15.05	0.60	0.28	1.00	0.28	1.30	0.37	0.94	0.39 *
15.10	0.60	0.28	1.00	0.28	1.30	0.36	0.94	0.39 *
15.15	0.60	0.28	1.00	0.28	1.30	0.36	0.94	0.38 *
15.20	0.60	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
15.25	0.60	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
15.30	0.61	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
15.35	0.61	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
15.40	0.61	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
15.45	0.61	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
15.50	0.61	0.27	1.00	0.27	1.30	0.36	0.94	0.38 *
15.55	0.61	0.28	1.00	0.28	1.30	0.36	0.94	0.38 *
15.60	0.62	0.28	1.00	0.28	1.30	0.36	0.94	0.39 *
15.65	0.62	0.28	1.00	0.28	1.30	0.37	0.94	0.39 *
15.70	0.62	0.29	1.00	0.29	1.30	0.37	0.94	0.40 *
15.75	0.62	0.29	1.00	0.29	1.30	0.38	0.94	0.40 *
15.80	0.62	0.29	1.00	0.29	1.30	0.38	0.94	0.40 *
15.85	0.63	0.30	1.00	0.30	1.30	0.39	0.94	0.41 *
15.90	0.63	0.30	1.00	0.30	1.30	0.39	0.94	0.41 *
15.95	0.63	0.30	1.00	0.30	1.30	0.39	0.95	0.41 *
16.00	0.63	0.30	1.00	0.30	1.30	0.39	0.95	0.42 *
16.05	0.63	0.30	1.00	0.30	1.30	0.39	0.95	0.42 *
16.10	0.63	0.30	1.00	0.30	1.30	0.40	0.95	0.42 *
16.15	0.64	0.30	1.00	0.30	1.30	0.40	0.95	0.42 *
16.20	0.64	0.31	1.00	0.31	1.30	0.40	0.95	0.42 *
16.25	0.64	0.31	1.00	0.31	1.30	0.40	0.95	0.42 *
16.30	0.64	0.31	1.00	0.31	1.30	0.40	0.95	0.42 *

16.35	0.64	0.31	1.00	0.31	1.30	0.40	0.95	0.42 *
16.40	0.65	0.31	1.00	0.31	1.30	0.40	0.95	0.42 *
16.45	0.65	0.31	1.00	0.31	1.30	0.40	0.95	0.42 *
16.50	0.65	0.31	1.00	0.31	1.30	0.40	0.95	0.42 *
16.55	0.65	0.30	1.00	0.30	1.30	0.40	0.95	0.42 *
16.60	0.65	0.30	1.00	0.30	1.30	0.39	0.95	0.42 *
16.65	0.65	0.30	1.00	0.30	1.30	0.39	0.95	0.42 *
16.70	0.66	0.30	1.00	0.30	1.30	0.39	0.95	0.42 *
16.75	0.66	0.30	1.00	0.30	1.30	0.39	0.95	0.41 *
16.80	0.66	0.30	1.00	0.30	1.30	0.39	0.95	0.41 *
16.85	0.66	0.29	1.00	0.29	1.30	0.38	0.95	0.40 *
16.90	0.66	0.29	1.00	0.29	1.30	0.37	0.95	0.40 *
16.95	0.67	0.28	1.00	0.28	1.30	0.37	0.95	0.39 *
17.00	0.67	0.28	1.00	0.28	1.30	0.36	0.95	0.38 *
17.05	0.67	0.28	1.00	0.28	1.30	0.36	0.95	0.38 *
17.10	0.67	0.27	1.00	0.27	1.30	0.35	0.95	0.37 *
17.15	0.67	0.27	1.00	0.27	1.30	0.35	0.95	0.37 *
17.20	0.67	0.27	1.00	0.27	1.30	0.34	0.95	0.36 *
17.25	0.68	0.26	1.00	0.26	1.30	0.34	0.95	0.36 *
17.30	0.68	0.26	1.00	0.26	1.30	0.34	0.95	0.35 *
17.35	0.68	0.25	1.00	0.25	1.30	0.33	0.95	0.35 *
17.40	0.68	0.25	1.00	0.25	1.30	0.33	0.95	0.35 *
17.45	0.68	0.25	1.00	0.25	1.30	0.32	0.95	0.34 *
17.50	0.69	0.25	1.00	0.25	1.30	0.32	0.95	0.34 *
17.55	0.69	0.24	1.00	0.24	1.30	0.31	0.95	0.33 *
17.60	0.69	0.24	1.00	0.24	1.30	0.31	0.95	0.33 *
17.65	0.69	0.24	1.00	0.24	1.30	0.31	0.95	0.32 *
17.70	0.69	0.23	1.00	0.23	1.30	0.30	0.95	0.32 *
17.75	0.69	0.23	1.00	0.23	1.30	0.30	0.95	0.32 *
17.80	0.70	0.23	1.00	0.23	1.30	0.30	0.95	0.31 *
17.85	0.70	0.22	1.00	0.22	1.30	0.29	0.95	0.31 *
17.90	0.70	0.22	1.00	0.22	1.30	0.29	0.95	0.30 *
17.95	0.70	0.22	1.00	0.22	1.30	0.28	0.95	0.30 *
18.00	0.70	0.22	1.00	0.22	1.30	0.28	0.95	0.30 *
18.05	0.71	0.21	1.00	0.21	1.30	0.28	0.95	0.29 *
18.10	0.71	0.21	1.00	0.21	1.30	0.27	0.95	0.29 *
18.15	0.71	0.21	1.00	0.21	1.30	0.27	0.95	0.29 *
18.20	0.71	0.21	1.00	0.21	1.30	0.27	0.95	0.28 *
18.25	0.71	0.20	1.00	0.20	1.30	0.26	0.95	0.28 *
18.30	0.71	0.20	1.00	0.20	1.30	0.26	0.95	0.28 *
18.35	0.72	0.20	1.00	0.20	1.30	0.26	0.95	0.27 *
18.40	0.72	0.20	1.00	0.20	1.30	0.25	0.95	0.27 *
18.45	0.72	0.19	1.00	0.19	1.30	0.25	0.95	0.27 *
18.50	0.72	0.19	1.00	0.19	1.30	0.25	0.95	0.26 *
18.55	0.72	0.19	1.00	0.19	1.30	0.25	0.95	0.26 *
18.60	0.73	0.19	1.00	0.19	1.30	0.24	0.95	0.26 *
18.65	0.73	0.18	1.00	0.18	1.30	0.24	0.95	0.25 *
18.70	0.73	0.18	1.00	0.18	1.30	0.24	0.95	0.25 *
18.75	0.73	0.18	1.00	0.18	1.30	0.23	0.95	0.25 *
18.80	0.73	0.18	1.00	0.18	1.30	0.23	0.95	0.24 *
18.85	0.73	0.17	1.00	0.17	1.30	0.23	0.95	0.24 *
18.90	0.74	0.17	1.00	0.17	1.30	0.22	0.95	0.24 *
18.95	0.74	0.17	1.00	0.17	1.30	0.22	0.95	0.23 *
19.00	0.74	0.17	1.00	0.17	1.30	0.22	0.95	0.23 *
19.05	0.74	0.16	1.00	0.16	1.30	0.21	0.95	0.23 *
19.10	0.74	0.16	1.00	0.16	1.30	0.21	0.95	0.22 *
19.15	0.75	0.16	1.00	0.16	1.30	0.21	0.95	0.22 *
19.20	0.75	0.16	1.00	0.16	1.30	0.20	0.95	0.22 *
19.25	0.75	0.16	1.00	0.16	1.30	0.20	0.95	0.21 *
19.30	0.75	0.15	1.00	0.15	1.30	0.20	0.95	0.21 *
19.35	0.75	0.15	1.00	0.15	1.30	0.20	0.95	0.21 *
19.40	0.76	0.15	1.00	0.15	1.30	0.19	0.95	0.20 *
19.45	0.76	0.15	1.00	0.15	1.30	0.19	0.95	0.20 *
19.50	0.76	0.14	1.00	0.14	1.30	0.19	0.95	0.20 *
19.55	0.76	0.14	1.00	0.14	1.30	0.18	0.95	0.19 *
19.60	0.76	0.14	1.00	0.14	1.30	0.18	0.95	0.19 *
19.65	0.76	0.14	1.00	0.14	1.30	0.18	0.95	0.19 *
19.70	0.77	0.13	1.00	0.13	1.30	0.17	0.95	0.18 *
19.75	0.77	0.13	1.00	0.13	1.30	0.17	0.95	0.18 *
19.80	0.77	0.13	1.00	0.13	1.30	0.17	0.95	0.18 *
19.85	0.77	0.13	1.00	0.13	1.30	0.17	0.95	0.17 *
19.90	0.77	0.13	1.00	0.13	1.30	0.16	0.95	0.17 *
19.95	0.78	0.12	1.00	0.12	1.30	0.16	0.95	0.17 *

20.00	0.78	0.12	1.00	0.12	1.30	0.16	0.95	0.17 *
20.05	0.78	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.10	0.78	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.15	0.78	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.20	0.79	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.25	0.79	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.30	0.79	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.35	0.79	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.40	0.79	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.45	0.79	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.50	0.80	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.55	0.80	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.60	0.80	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.65	0.80	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.70	0.80	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.75	0.81	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.80	0.81	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.85	0.81	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.90	0.81	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
20.95	0.81	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.00	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.05	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.10	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.15	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.20	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.25	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.30	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.35	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.40	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.45	0.82	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.50	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.55	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.60	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.65	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.70	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.75	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.80	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.85	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.90	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
21.95	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.00	0.83	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.05	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.10	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.15	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.20	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.25	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.30	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.35	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.40	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.45	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.50	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.55	0.84	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.60	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.65	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.70	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.75	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.80	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.85	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.90	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
22.95	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
23.00	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
23.05	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
23.10	0.85	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
23.15	0.86	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
23.20	0.86	0.12	1.00	0.12	1.30	2.00	0.95	5.00 ^
23.25	0.86	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.30	0.86	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.35	0.86	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.40	0.86	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.45	0.86	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.50	0.86	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.55	0.86	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.60	0.86	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^

23.65	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.70	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.75	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.80	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.85	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.90	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
23.95	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.00	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.05	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.10	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.15	0.87	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.20	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.25	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.30	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.35	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.40	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.45	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.50	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.55	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.60	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.65	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.70	0.88	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.75	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.80	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.85	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.90	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
24.95	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.00	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.05	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.10	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.15	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.20	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.25	0.89	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.30	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.35	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.40	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.45	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.50	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.55	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.60	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.65	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.70	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.75	0.90	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.80	0.91	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.85	0.91	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.90	0.91	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
25.95	0.91	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
26.00	0.91	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
26.05	0.91	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
26.10	0.91	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
26.15	0.91	0.12	1.00	0.12	1.30	2.00	0.94	5.00 ^
26.20	0.91	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.25	0.91	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.30	0.91	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.35	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.40	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.45	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.50	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.55	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.60	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.65	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.70	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.75	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.80	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.85	0.92	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.90	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
26.95	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.00	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.05	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.10	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.15	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.20	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.25	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^

27.30	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.35	0.93	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.40	0.94	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.45	0.94	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.50	0.94	0.13	1.00	0.13	1.30	2.00	0.94	5.00 ^
27.55	0.94	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
27.60	0.94	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
27.65	0.94	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
27.70	0.94	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
27.75	0.94	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
27.80	0.94	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
27.85	0.94	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
27.90	0.94	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
27.95	0.95	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
28.00	0.95	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
28.05	0.95	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
28.10	0.95	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
28.15	0.95	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
28.20	0.95	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
28.25	0.95	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
28.30	0.95	0.14	1.00	0.14	1.30	2.00	0.94	5.00 ^
28.35	0.95	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.40	0.95	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.45	0.95	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.50	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.55	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.60	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.65	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.70	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.75	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.80	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.85	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.90	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
28.95	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.00	0.96	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.05	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.10	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.15	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.20	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.25	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.30	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.35	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.40	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.45	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.50	0.97	0.15	1.00	0.15	1.30	2.00	0.94	5.00 ^
29.55	0.98	0.15	1.00	0.15	1.30	2.00	0.93	5.00 ^
29.60	0.98	0.15	1.00	0.15	1.30	2.00	0.93	5.00 ^
29.65	0.98	0.15	1.00	0.15	1.30	2.00	0.93	5.00 ^
29.70	0.98	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
29.75	0.98	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
29.80	0.98	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
29.85	0.98	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
29.90	0.98	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
29.95	0.98	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.00	0.98	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.05	0.98	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.10	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.15	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.20	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.25	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.30	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.35	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.40	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.45	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.50	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.55	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.60	0.99	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.65	1.00	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.70	1.00	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.75	1.00	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.80	1.00	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.85	1.00	0.16	1.00	0.16	1.30	2.00	0.93	5.00 ^
30.90	1.00	0.16	1.01	0.16	1.30	2.00	0.93	5.00 ^

30.95	1.00	0.16	1.01	0.16	1.30	2.00	0.93	5.00 ^
31.00	1.00	0.16	1.01	0.16	1.30	2.00	0.93	5.00 ^
31.05	1.00	0.16	1.01	0.16	1.30	2.00	0.93	5.00 ^
31.10	1.00	0.16	1.01	0.16	1.30	2.00	0.93	5.00 ^
31.15	1.01	0.16	1.01	0.16	1.30	2.00	0.93	5.00 ^
31.20	1.01	0.16	1.01	0.16	1.30	2.00	0.92	5.00 ^
31.25	1.01	0.16	1.01	0.16	1.30	2.00	0.92	5.00 ^
31.30	1.01	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.35	1.01	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.40	1.01	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.45	1.01	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.50	1.01	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.55	1.01	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.60	1.01	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.65	1.01	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.70	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.75	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.80	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.85	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.90	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
31.95	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.00	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.05	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.10	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.15	1.02	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.20	1.03	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.25	1.03	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.30	1.03	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.35	1.03	0.16	1.00	0.16	1.30	2.00	0.92	5.00 ^
32.40	1.03	0.16	1.00	0.16	1.30	2.00	0.91	5.00 ^
32.45	1.03	0.16	1.00	0.16	1.30	2.00	0.91	5.00 ^
32.50	1.03	0.16	1.00	0.16	1.30	2.00	0.91	5.00 ^
32.55	1.03	0.16	1.00	0.16	1.30	2.00	0.91	5.00 ^
32.60	1.03	0.16	1.00	0.16	1.30	2.00	0.91	5.00 ^
32.65	1.03	0.15	1.00	0.16	1.30	2.00	0.91	5.00 ^
32.70	1.03	0.15	1.00	0.16	1.30	2.00	0.91	5.00 ^
32.75	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
32.80	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
32.85	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
32.90	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
32.95	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.00	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.05	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.10	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.15	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.20	1.04	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.25	1.05	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.30	1.05	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.35	1.05	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.40	1.05	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.45	1.05	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.50	1.05	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.55	1.05	0.15	1.00	0.15	1.30	2.00	0.91	5.00 ^
33.60	1.05	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
33.65	1.05	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
33.70	1.05	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
33.75	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
33.80	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
33.85	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
33.90	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
33.95	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.00	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.05	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.10	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.15	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.20	1.06	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.25	1.07	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.30	1.07	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.35	1.07	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.40	1.07	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.45	1.07	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.50	1.07	0.15	1.00	0.15	1.30	2.00	0.90	5.00 ^
34.55	1.07	0.15	0.99	0.15	1.30	2.00	0.90	5.00 ^

34.60	1.07	0.15	0.99	0.15	1.30	2.00	0.90	5.00 ^
34.65	1.07	0.15	0.99	0.15	1.30	2.00	0.90	5.00 ^
34.70	1.07	0.15	0.99	0.15	1.30	2.00	0.90	5.00 ^
34.75	1.08	0.15	0.99	0.15	1.30	2.00	0.90	5.00 ^
34.80	1.08	0.15	0.99	0.15	1.30	2.00	0.89	5.00 ^
34.85	1.08	0.15	0.99	0.15	1.30	2.00	0.89	5.00 ^
34.90	1.08	0.15	0.99	0.15	1.30	2.00	0.89	5.00 ^
34.95	1.08	0.15	0.99	0.15	1.30	2.00	0.89	5.00 ^
35.00	1.08	0.15	0.99	0.15	1.30	2.00	0.89	5.00 ^
35.05	1.08	0.16	0.99	0.16	1.30	2.00	0.89	5.00 ^
35.10	1.08	0.16	0.99	0.16	1.30	2.00	0.89	5.00 ^
35.15	1.08	0.17	0.99	0.16	1.30	2.00	0.89	5.00 ^
35.20	1.08	0.17	0.99	0.17	1.30	2.00	0.89	5.00 ^
35.25	1.09	0.17	0.99	0.17	1.30	2.00	0.89	5.00 ^
35.30	1.09	0.18	0.99	0.18	1.30	2.00	0.89	5.00 ^
35.35	1.09	0.18	0.99	0.18	1.30	2.00	0.89	5.00 ^
35.40	1.09	0.19	0.99	0.19	1.30	2.00	0.89	5.00 ^
35.45	1.09	0.19	0.99	0.19	1.30	2.00	0.89	5.00 ^
35.50	1.09	0.20	0.99	0.20	1.30	2.00	0.89	5.00 ^
35.55	1.09	0.20	0.99	0.20	1.30	2.00	0.89	5.00 ^
35.60	1.09	0.21	0.99	0.20	1.30	2.00	0.89	5.00 ^
35.65	1.09	0.21	0.99	0.21	1.30	2.00	0.89	5.00 ^
35.70	1.09	0.22	0.99	0.21	1.30	2.00	0.89	5.00 ^
35.75	1.10	0.22	0.99	0.22	1.30	2.00	0.89	5.00 ^
35.80	1.10	0.22	0.99	0.22	1.30	2.00	0.89	5.00 ^
35.85	1.10	0.23	0.99	0.23	1.30	2.00	0.89	5.00 ^
35.90	1.10	0.23	0.99	0.23	1.30	2.00	0.89	5.00 ^
35.95	1.10	0.24	0.99	0.24	1.30	2.00	0.88	5.00 ^
36.00	1.10	0.24	0.99	0.24	1.30	2.00	0.88	5.00 ^
36.05	1.10	0.25	0.99	0.25	1.30	2.00	0.88	5.00 ^
36.10	1.10	0.26	0.99	0.25	1.30	2.00	0.88	5.00 ^
36.15	1.10	0.26	0.99	0.26	1.30	2.00	0.88	5.00 ^
36.20	1.10	0.27	0.99	0.26	1.30	2.00	0.88	5.00 ^
36.25	1.11	0.27	0.99	0.27	1.30	2.00	0.88	5.00 ^
36.30	1.11	0.28	0.99	0.28	1.30	2.00	0.88	5.00 ^
36.35	1.11	0.29	0.99	0.28	1.30	2.00	0.88	5.00 ^
36.40	1.11	0.29	0.99	0.29	1.30	2.00	0.88	5.00 ^
36.45	1.11	0.30	0.99	0.30	1.30	2.00	0.88	5.00 ^
36.50	1.11	0.31	0.99	0.30	1.30	2.00	0.88	5.00 ^
36.55	1.11	0.32	0.99	0.31	1.30	2.00	0.88	5.00 ^
36.60	1.11	0.32	0.99	0.32	1.30	2.00	0.88	5.00 ^
36.65	1.11	0.33	0.99	0.33	1.30	2.00	0.88	5.00 ^
36.70	1.11	0.34	0.99	0.34	1.30	2.00	0.88	5.00 ^
36.75	1.12	0.35	0.99	0.35	1.30	2.00	0.88	5.00 ^
36.80	1.12	0.37	0.99	0.36	1.30	2.00	0.88	5.00 ^
36.85	1.12	0.38	0.99	0.38	1.30	2.00	0.88	5.00 ^
36.90	1.12	0.41	0.99	0.40	1.30	2.00	0.88	5.00 ^
36.95	1.12	0.47	0.99	0.46	1.30	2.00	0.88	5.00 ^
37.00	1.12	0.50	0.99	0.49	1.30	2.00	0.88	5.00 ^
37.05	1.12	0.50	0.99	0.49	1.30	2.00	0.88	5.00 ^
37.10	1.12	0.50	0.99	0.49	1.30	2.00	0.88	5.00 ^
37.15	1.12	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.20	1.12	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.25	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.30	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.35	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.40	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.45	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.50	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.55	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.60	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.65	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.70	1.13	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.75	1.14	0.50	0.99	0.49	1.30	2.00	0.87	5.00 ^
37.80	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
37.85	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
37.90	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
37.95	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
38.00	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
38.05	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
38.10	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
38.15	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
38.20	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^

38.25	1.14	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
38.30	1.15	0.50	0.98	0.49	1.30	2.00	0.87	5.00 ^
38.35	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.40	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.45	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.50	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.55	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.60	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.65	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.70	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.75	1.15	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.80	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.85	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.90	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
38.95	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.00	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.05	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.10	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.15	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.20	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.25	1.16	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.30	1.17	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.35	1.17	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.40	1.17	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.45	1.17	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.50	1.17	0.50	0.98	0.49	1.30	2.00	0.86	5.00 ^
39.55	1.17	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
39.60	1.17	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
39.65	1.17	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
39.70	1.17	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
39.75	1.17	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
39.80	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
39.85	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
39.90	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
39.95	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.00	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.05	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.10	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.15	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.20	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.25	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.30	1.18	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.35	1.19	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.40	1.19	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.45	1.19	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.50	1.19	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.55	1.19	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.60	1.19	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.65	1.19	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.70	1.19	0.50	0.98	0.49	1.30	2.00	0.85	5.00 ^
40.75	1.19	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
40.80	1.19	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
40.85	1.20	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
40.90	1.20	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
40.95	1.20	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
41.00	1.20	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
41.05	1.20	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
41.10	1.20	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
41.15	1.20	0.50	0.98	0.49	1.30	2.00	0.84	5.00 ^
41.20	1.20	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.25	1.20	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.30	1.20	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.35	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.40	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.45	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.50	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.55	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.60	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.65	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.70	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.75	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.80	1.21	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^
41.85	1.22	0.50	0.97	0.49	1.30	2.00	0.84	5.00 ^

41.90	1.22	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
41.95	1.22	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.00	1.22	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.05	1.22	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.10	1.22	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.15	1.22	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.20	1.22	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.25	1.22	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.30	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.35	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.40	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.45	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.50	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.55	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.60	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.65	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.70	1.23	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.75	1.24	0.50	0.97	0.49	1.30	2.00	0.83	5.00 ^
42.80	1.24	0.50	0.97	0.48	1.30	2.00	0.83	5.00 ^
42.85	1.24	0.50	0.97	0.48	1.30	2.00	0.83	5.00 ^
42.90	1.24	0.50	0.97	0.48	1.30	2.00	0.83	5.00 ^
42.95	1.24	0.50	0.97	0.48	1.30	2.00	0.83	5.00 ^
43.00	1.24	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.05	1.24	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.10	1.24	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.15	1.24	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.20	1.24	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.25	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.30	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.35	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.40	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.45	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.50	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.55	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.60	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.65	1.25	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.70	1.26	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.75	1.26	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.80	1.26	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.85	1.26	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.90	1.26	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
43.95	1.26	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
44.00	1.26	0.50	0.97	0.48	1.30	2.00	0.82	5.00 ^
44.05	1.26	0.50	0.97	0.48	1.30	2.00	0.81	5.00 ^
44.10	1.27	0.50	0.97	0.48	1.30	2.00	0.81	5.00 ^
44.15	1.27	0.50	0.97	0.48	1.30	2.00	0.81	5.00 ^
44.20	1.27	0.50	0.97	0.48	1.30	2.00	0.81	5.00 ^
44.25	1.27	0.50	0.97	0.48	1.30	2.00	0.81	5.00 ^
44.30	1.27	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.35	1.27	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.40	1.27	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.45	1.27	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.50	1.27	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.55	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.60	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.65	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.70	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.75	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.80	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.85	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.90	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
44.95	1.28	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
45.00	1.29	0.50	0.96	0.48	1.30	2.00	0.81	5.00 ^
45.05	1.29	0.50	0.96	0.48	1.30	0.63	0.81	0.78 *
45.10	1.29	0.50	0.96	0.48	1.30	0.63	0.80	0.78 *
45.15	1.29	0.50	0.96	0.48	1.30	0.63	0.80	0.78 *
45.20	1.29	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.25	1.29	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.30	1.29	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.35	1.29	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.40	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.45	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.50	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *

45.55	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.60	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.65	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.70	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.75	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.80	1.30	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.85	1.31	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.90	1.31	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
45.95	1.31	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
46.00	1.31	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
46.05	1.31	0.50	0.96	0.48	1.30	0.62	0.80	0.78 *
46.10	1.31	0.50	0.96	0.48	1.30	0.62	0.79	0.78 *
46.15	1.31	0.50	0.96	0.48	1.30	0.62	0.79	0.78 *
46.20	1.31	0.50	0.96	0.48	1.30	0.62	0.79	0.78 *
46.25	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.78 *
46.30	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.35	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.40	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.45	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.50	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.55	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.60	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.65	1.32	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.70	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.75	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.80	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.85	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.90	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
46.95	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
47.00	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
47.05	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
47.10	1.33	0.50	0.96	0.48	1.30	0.62	0.79	0.79 *
47.15	1.34	0.50	0.96	0.48	1.30	0.62	0.78	0.79 *
47.20	1.34	0.50	0.96	0.48	1.30	0.62	0.78	0.79 *
47.25	1.34	0.50	0.96	0.48	1.30	0.62	0.78	0.79 *
47.30	1.34	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.35	1.34	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.40	1.34	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.45	1.34	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.50	1.34	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.55	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.60	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.65	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.70	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.75	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.79 *
47.80	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
47.85	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
47.90	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
47.95	1.35	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
48.00	1.36	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
48.05	1.36	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
48.10	1.36	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
48.15	1.36	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
48.20	1.36	0.50	0.95	0.48	1.30	0.62	0.78	0.80 *
48.25	1.36	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.30	1.36	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.35	1.36	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.40	1.36	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.45	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.50	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.55	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.60	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.65	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.70	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.75	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.80	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.85	1.37	0.50	0.95	0.48	1.30	0.62	0.77	0.80 *
48.90	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.80 *
48.95	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.80 *
49.00	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.80 *
49.05	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.80 *
49.10	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.80 *
49.15	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.80 *

49.20	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.80 *
49.25	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.80 *
49.30	1.38	0.50	0.95	0.47	1.30	0.62	0.77	0.81 *
49.35	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.40	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.45	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.50	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.55	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.60	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.65	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.70	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.75	1.39	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.80	1.40	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.85	1.40	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.90	1.40	0.50	0.95	0.47	1.30	0.62	0.76	0.81 *
49.95	1.40	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.00	1.40	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.05	1.40	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.10	1.40	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.15	1.40	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.20	1.40	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.25	1.41	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.30	1.41	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.35	1.41	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.40	1.41	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.45	1.41	0.50	0.95	0.47	1.30	0.61	0.76	0.81 *
50.50	1.41	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
50.55	1.41	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
50.60	1.41	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
50.65	1.41	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
50.70	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
50.75	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
50.80	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
50.85	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
50.90	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
50.95	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.00	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.05	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.10	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.15	1.42	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.20	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.25	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.30	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.35	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.40	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.45	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.50	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.55	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.60	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.65	1.43	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
51.70	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
51.75	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
51.80	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
51.85	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
51.90	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
51.95	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
52.00	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
52.05	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
52.10	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
52.15	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
52.20	1.44	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
52.25	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
52.30	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
52.35	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.40	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.45	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.50	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.55	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.60	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.65	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.70	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.75	1.45	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.80	1.46	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *

52.85	1.46	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.90	1.46	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
52.95	1.46	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
53.00	1.46	0.50	0.94	0.47	1.30	0.61	0.74	0.83 *
53.05	1.46	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.10	1.46	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.15	1.46	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.20	1.46	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.25	1.46	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.30	1.46	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.35	1.46	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.40	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.45	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.50	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.55	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.60	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.65	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.70	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.75	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.80	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.85	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.90	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
53.95	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
54.00	1.47	0.50	0.94	0.47	1.30	0.61	0.73	0.83 *
54.05	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.10	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.15	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.20	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.25	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.30	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.35	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.40	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.45	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.50	1.48	0.50	0.94	0.47	1.30	0.61	0.73	0.84 *
54.55	1.48	0.50	0.94	0.47	1.30	0.61	0.72	0.84 *
54.60	1.48	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
54.65	1.48	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
54.70	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
54.75	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
54.80	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
54.85	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
54.90	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
54.95	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.00	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.05	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.10	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.15	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.20	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.25	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.30	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.35	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.40	1.49	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.45	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.50	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.55	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.60	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.65	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.70	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.75	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.80	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.84 *
55.85	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.85 *
55.90	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.85 *
55.95	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.85 *
56.00	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.85 *
56.05	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.85 *
56.10	1.50	0.50	0.93	0.47	1.30	0.61	0.72	0.85 *
56.15	1.51	0.50	0.93	0.47	1.30	0.61	0.72	0.85 *
56.20	1.51	0.50	0.93	0.47	1.30	0.61	0.71	0.85 *
56.25	1.51	0.50	0.93	0.47	1.30	0.61	0.71	0.85 *
56.30	1.51	0.50	0.93	0.47	1.30	0.61	0.71	0.85 *
56.35	1.51	0.50	0.93	0.47	1.30	0.61	0.71	0.85 *
56.40	1.51	0.50	0.93	0.47	1.30	0.61	0.71	0.85 *
56.45	1.51	0.50	0.93	0.47	1.30	0.61	0.71	0.85 *

56.50	1.51	0.50	0.93	0.47	1.30	0.61	0.71	0.85 *
56.55	1.51	0.50	0.93	0.47	1.30	0.61	0.71	0.85 *
56.60	1.51	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
56.65	1.51	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
56.70	1.51	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
56.75	1.51	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
56.80	1.51	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
56.85	1.51	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
56.90	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
56.95	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
57.00	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
57.05	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
57.10	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
57.15	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
57.20	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
57.25	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
57.30	1.52	0.50	0.93	0.47	1.30	0.60	0.71	0.85 *
57.35	1.52	0.50	0.93	0.46	1.30	0.60	0.71	0.85 *
57.40	1.52	0.50	0.93	0.46	1.30	0.60	0.71	0.85 *
57.45	1.52	0.50	0.93	0.46	1.30	0.60	0.71	0.85 *
57.50	1.52	0.50	0.93	0.46	1.30	0.60	0.71	0.85 *
57.55	1.52	0.50	0.93	0.46	1.30	0.60	0.71	0.86 *
57.60	1.53	0.50	0.93	0.46	1.30	0.60	0.71	0.86 *
57.65	1.53	0.50	0.93	0.46	1.30	0.60	0.71	0.86 *
57.70	1.53	0.50	0.93	0.46	1.30	0.60	0.71	0.86 *
57.75	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
57.80	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
57.85	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
57.90	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
57.95	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.00	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.05	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.10	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.15	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.20	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.25	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.30	1.53	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.35	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.40	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.45	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.50	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.55	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.60	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.65	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.70	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.75	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.80	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.85	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.90	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
58.95	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
59.00	1.54	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
59.05	1.55	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
59.10	1.55	0.50	0.93	0.46	1.30	0.60	0.70	0.86 *
59.15	1.55	0.50	0.93	0.46	1.30	0.60	0.70	0.87 *
59.20	1.55	0.50	0.93	0.46	1.30	0.60	0.70	0.87 *
59.25	1.55	0.50	0.93	0.46	1.30	0.60	0.70	0.87 *
59.30	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.35	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.40	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.45	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.50	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.55	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.60	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.65	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.70	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.75	1.55	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.80	1.56	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.85	1.56	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.90	1.56	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
59.95	1.56	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
60.00	1.56	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
60.05	1.56	0.50	0.93	0.46	1.30	0.60	0.69	0.87 *
60.10	1.56	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *

60.15	1.56	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.20	1.56	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.25	1.56	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.30	1.56	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.35	1.56	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.40	1.56	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.45	1.56	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.50	1.57	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.55	1.57	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.60	1.57	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.65	1.57	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
60.70	1.57	0.50	0.92	0.46	1.30	0.60	0.69	0.88 *
60.75	1.57	0.50	0.92	0.46	1.30	0.60	0.69	0.88 *
60.80	1.57	0.50	0.92	0.46	1.30	0.60	0.69	0.88 *
60.85	1.57	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
60.90	1.57	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
60.95	1.57	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.00	1.57	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.05	1.57	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.10	1.57	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.15	1.57	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.20	1.57	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.25	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.30	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.35	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.40	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.45	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.50	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.55	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.60	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.65	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.70	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.75	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.80	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.85	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.90	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
61.95	1.58	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
62.00	1.59	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
62.05	1.59	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
62.10	1.59	0.50	0.92	0.46	1.30	0.60	0.68	0.88 *
62.15	1.59	0.50	0.92	0.46	1.30	0.60	0.68	0.89 *
62.20	1.59	0.50	0.92	0.46	1.30	0.60	0.68	0.89 *
62.25	1.59	0.50	0.92	0.46	1.30	0.60	0.68	0.89 *
62.30	1.59	0.50	0.92	0.46	1.30	0.60	0.68	0.89 *
62.35	1.59	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.40	1.59	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.45	1.59	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.50	1.59	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.55	1.59	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.60	1.59	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.65	1.59	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.70	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.75	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.80	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.85	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.90	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
62.95	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.00	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.05	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.10	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.15	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.20	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.25	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.30	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.35	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.40	1.60	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.45	1.61	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.50	1.61	0.50	0.92	0.46	1.30	0.60	0.67	0.89 *
63.55	1.61	0.50	0.92	0.46	1.30	0.60	0.67	0.90 *
63.60	1.61	0.50	0.92	0.46	1.30	0.60	0.67	0.90 *
63.65	1.61	0.50	0.92	0.46	1.30	0.60	0.67	0.90 *
63.70	1.61	0.50	0.92	0.46	1.30	0.60	0.67	0.90 *
63.75	1.61	0.50	0.92	0.46	1.30	0.60	0.67	0.90 *

63.80	1.61	0.50	0.92	0.46	1.30	0.60	0.67	0.90 *
63.85	1.61	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
63.90	1.61	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
63.95	1.61	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.00	1.61	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.05	1.61	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.10	1.61	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.15	1.61	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.20	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.25	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.30	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.35	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.40	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.45	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.50	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.55	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.60	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.65	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.70	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.75	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.80	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.85	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.90 *
64.90	1.62	0.50	0.92	0.46	1.30	0.60	0.66	0.91 *
64.95	1.63	0.50	0.92	0.46	1.30	0.60	0.66	0.91 *
65.00	1.63	0.50	0.92	0.46	1.30	0.60	0.66	0.91 *

* F.S.<1: Liquefaction Potential Zone. (If above water table: F.S.=5)
^ No-liquefiable Soils or above Water Table.
(F.S. is limited to 5, CRR is limited to 2,   CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:
Fines Correction for Settlement Analysis:

Depth ft	Ic	qc/N60	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
10.00	-	-	-	27.46	0.00	0.00	27.46
10.05	-	-	-	27.39	0.00	0.00	27.39
10.10	-	-	-	27.32	0.00	0.00	27.32
10.15	-	-	-	27.26	0.00	0.00	27.26
10.20	-	-	-	27.19	0.00	0.00	27.19
10.25	-	-	-	27.12	0.00	0.00	27.12
10.30	-	-	-	27.06	0.00	0.00	27.06
10.35	-	-	-	26.99	0.00	0.00	26.99
10.40	-	-	-	26.93	0.00	0.00	26.93
10.45	-	-	-	26.86	0.00	0.00	26.86
10.50	-	-	-	26.80	0.00	0.00	26.80
10.55	-	-	-	26.74	0.00	0.00	26.74
10.60	-	-	-	26.68	0.00	0.00	26.68
10.65	-	-	-	26.61	0.00	0.00	26.61
10.70	-	-	-	26.55	0.00	0.00	26.55
10.75	-	-	-	26.49	0.00	0.00	26.49
10.80	-	-	-	26.43	0.00	0.00	26.43
10.85	-	-	-	26.37	0.00	0.00	26.37
10.90	-	-	-	26.31	0.00	0.00	26.31
10.95	-	-	-	26.25	0.00	0.00	26.25
11.00	-	-	-	26.19	0.00	0.00	26.19
11.05	-	-	-	26.14	0.00	0.00	26.14
11.10	-	-	-	26.08	0.00	0.00	26.08
11.15	-	-	-	26.02	0.00	0.00	26.02
11.20	-	-	-	25.96	0.00	0.00	25.96
11.25	-	-	-	25.91	0.00	0.00	25.91
11.30	-	-	-	25.85	0.00	0.00	25.85
11.35	-	-	-	25.80	0.00	0.00	25.80
11.40	-	-	-	25.74	0.00	0.00	25.74
11.45	-	-	-	25.69	0.00	0.00	25.69
11.50	-	-	-	25.63	0.00	0.00	25.63
11.55	-	-	-	25.58	0.00	0.00	25.58
11.60	-	-	-	25.53	0.00	0.00	25.53
11.65	-	-	-	25.47	0.00	0.00	25.47
11.70	-	-	-	25.42	0.00	0.00	25.42
11.75	-	-	-	25.37	0.00	0.00	25.37
11.80	-	-	-	25.32	0.00	0.00	25.32

11.85	-	-	-	25.27	0.00	0.00	25.27
11.90	-	-	-	25.21	0.00	0.00	25.21
11.95	-	-	-	25.16	0.00	0.00	25.16
12.00	-	-	-	25.11	0.00	0.00	25.11
12.05	-	-	-	25.06	0.00	0.00	25.06
12.10	-	-	-	25.01	0.00	0.00	25.01
12.15	-	-	-	24.96	0.00	0.00	24.96
12.20	-	-	-	24.92	0.00	0.00	24.92
12.25	-	-	-	24.87	0.00	0.00	24.87
12.30	-	-	-	24.82	0.00	0.00	24.82
12.35	-	-	-	24.77	0.00	0.00	24.77
12.40	-	-	-	24.72	0.00	0.00	24.72
12.45	-	-	-	24.68	0.00	0.00	24.68
12.50	-	-	-	24.63	0.00	0.00	24.63
12.55	-	-	-	24.58	0.00	0.00	24.58
12.60	-	-	-	24.54	0.00	0.00	24.54
12.65	-	-	-	24.49	0.00	0.00	24.49
12.70	-	-	-	24.45	0.00	0.00	24.45
12.75	-	-	-	24.40	0.00	0.00	24.40
12.80	-	-	-	24.36	0.00	0.00	24.36
12.85	-	-	-	24.31	0.00	0.00	24.31
12.90	-	-	-	24.27	0.00	0.00	24.27
12.95	-	-	-	24.22	0.00	0.00	24.22
13.00	-	-	-	24.18	0.00	0.00	24.18
13.05	-	-	-	24.13	0.00	0.00	24.13
13.10	-	-	-	24.09	0.00	0.00	24.09
13.15	-	-	-	24.05	0.00	0.00	24.05
13.20	-	-	-	24.01	0.00	0.00	24.01
13.25	-	-	-	23.96	0.00	0.00	23.96
13.30	-	-	-	23.92	0.00	0.00	23.92
13.35	-	-	-	23.88	0.00	0.00	23.88
13.40	-	-	-	23.84	0.00	0.00	23.84
13.45	-	-	-	23.80	0.00	0.00	23.80
13.50	-	-	-	23.76	0.00	0.00	23.76
13.55	-	-	-	23.71	0.00	0.00	23.71
13.60	-	-	-	23.67	0.00	0.00	23.67
13.65	-	-	-	23.63	0.00	0.00	23.63
13.70	-	-	-	23.59	0.00	0.00	23.59
13.75	-	-	-	23.55	0.00	0.00	23.55
13.80	-	-	-	23.52	0.00	0.00	23.52
13.85	-	-	-	23.48	0.00	0.00	23.48
13.90	-	-	-	23.44	0.00	0.00	23.44
13.95	-	-	-	23.40	0.00	0.00	23.40
14.00	-	-	-	23.36	0.00	0.00	23.36
14.05	-	-	-	23.32	0.00	0.00	23.32
14.10	-	-	-	23.28	0.00	0.00	23.28
14.15	-	-	-	23.25	0.00	0.00	23.25
14.20	-	-	-	23.21	0.00	0.00	23.21
14.25	-	-	-	23.17	0.00	0.00	23.17
14.30	-	-	-	23.13	0.00	0.00	23.13
14.35	-	-	-	23.10	0.00	0.00	23.10
14.40	-	-	-	23.06	0.00	0.00	23.06
14.45	-	-	-	23.02	0.00	0.00	23.02
14.50	-	-	-	22.99	0.00	0.00	22.99
14.55	-	-	-	22.95	0.00	0.00	22.95
14.60	-	-	-	22.92	0.00	0.00	22.92
14.65	-	-	-	22.88	0.00	0.00	22.88
14.70	-	-	-	22.84	0.00	0.00	22.84
14.75	-	-	-	22.81	0.00	0.00	22.81
14.80	-	-	-	25.45	0.00	0.00	25.45
14.85	-	-	-	25.41	0.00	0.00	25.41
14.90	-	-	-	25.38	0.00	0.00	25.38
14.95	-	-	-	25.34	0.00	0.00	25.34
15.00	-	-	-	25.30	0.00	0.00	25.30
15.05	-	-	-	25.07	1.01	0.00	25.07
15.10	-	-	-	24.84	2.02	0.00	24.84
15.15	-	-	-	24.61	3.03	0.00	24.61
15.20	-	-	-	24.38	4.04	0.00	24.38
15.25	-	-	-	24.18	5.05	0.00	24.18
15.30	-	-	-	24.07	6.06	0.00	24.07
15.35	-	-	-	24.03	7.07	0.00	24.03
15.40	-	-	-	24.08	8.08	0.00	24.08
15.45	-	-	-	24.22	9.09	0.00	24.22

15.50	-	-	-	24.42	10.10	0.00	24.42
15.55	-	-	-	24.65	11.11	0.00	24.65
15.60	-	-	-	24.88	12.12	0.00	24.88
15.65	-	-	-	25.11	13.13	0.00	25.11
15.70	-	-	-	25.32	14.14	0.00	25.32
15.75	-	-	-	25.50	15.15	0.00	25.50
15.80	-	-	-	25.67	16.16	0.00	25.67
15.85	-	-	-	25.81	17.17	0.00	25.81
15.90	-	-	-	25.93	18.18	0.00	25.93
15.95	-	-	-	26.03	19.19	0.00	26.03
16.00	-	-	-	26.12	20.20	0.00	26.12
16.05	-	-	-	26.18	21.21	0.00	26.18
16.10	-	-	-	26.24	22.22	0.00	26.24
16.15	-	-	-	26.28	23.23	0.00	26.28
16.20	-	-	-	26.30	24.24	0.00	26.30
16.25	-	-	-	26.32	25.25	0.00	26.32
16.30	-	-	-	26.33	26.26	0.00	26.33
16.35	-	-	-	26.33	27.27	0.00	26.33
16.40	-	-	-	26.32	28.28	0.00	26.32
16.45	-	-	-	26.30	29.29	0.00	26.30
16.50	-	-	-	26.28	30.30	0.00	26.28
16.55	-	-	-	26.25	31.31	0.00	26.25
16.60	-	-	-	26.22	32.32	0.00	26.22
16.65	-	-	-	26.18	33.33	0.00	26.18
16.70	-	-	-	26.14	34.34	0.00	26.14
16.75	-	-	-	26.10	35.35	0.00	26.10
16.80	-	-	-	25.84	36.36	0.00	25.84
16.85	-	-	-	25.59	37.37	0.00	25.59
16.90	-	-	-	25.35	38.38	0.00	25.35
16.95	-	-	-	25.10	39.39	0.00	25.10
17.00	-	-	-	24.85	40.40	0.00	24.85
17.05	-	-	-	24.60	41.41	0.00	24.60
17.10	-	-	-	24.35	42.42	0.00	24.35
17.15	-	-	-	24.11	43.43	0.00	24.11
17.20	-	-	-	23.86	44.44	0.00	23.86
17.25	-	-	-	23.62	45.45	0.00	23.62
17.30	-	-	-	23.38	46.46	0.00	23.38
17.35	-	-	-	23.13	47.47	0.00	23.13
17.40	-	-	-	22.89	48.48	0.00	22.89
17.45	-	-	-	22.65	49.49	0.00	22.65
17.50	-	-	-	22.41	50.50	0.00	22.41
17.55	-	-	-	22.17	51.51	0.00	22.17
17.60	-	-	-	21.93	52.52	0.00	21.93
17.65	-	-	-	21.69	53.53	0.00	21.69
17.70	-	-	-	21.45	54.54	0.00	21.45
17.75	-	-	-	21.21	55.55	0.00	21.21
17.80	-	-	-	20.97	56.56	0.00	20.97
17.85	-	-	-	20.74	57.57	0.00	20.74
17.90	-	-	-	20.50	58.58	0.00	20.50
17.95	-	-	-	20.27	59.59	0.00	20.27
18.00	-	-	-	20.03	60.60	0.00	20.03
18.05	-	-	-	19.80	61.61	0.00	19.80
18.10	-	-	-	19.56	62.62	0.00	19.56
18.15	-	-	-	19.33	63.63	0.00	19.33
18.20	-	-	-	19.10	64.64	0.00	19.10
18.25	-	-	-	18.87	65.65	0.00	18.87
18.30	-	-	-	18.64	66.66	0.00	18.64
18.35	-	-	-	18.41	67.67	0.00	18.41
18.40	-	-	-	18.18	68.68	0.00	18.18
18.45	-	-	-	17.95	69.69	0.00	17.95
18.50	-	-	-	17.72	70.70	0.00	17.72
18.55	-	-	-	17.49	71.71	0.00	17.49
18.60	-	-	-	17.26	72.72	0.00	17.26
18.65	-	-	-	17.04	73.73	0.00	17.04
18.70	-	-	-	16.81	74.74	0.00	16.81
18.75	-	-	-	16.58	75.75	0.00	16.58
18.80	-	-	-	16.36	76.76	0.00	16.36
18.85	-	-	-	16.13	77.77	0.00	16.13
18.90	-	-	-	15.91	78.78	0.00	15.91
18.95	-	-	-	15.69	79.79	0.00	15.69
19.00	-	-	-	15.47	80.80	0.00	15.47
19.05	-	-	-	15.24	81.81	0.00	15.24
19.10	-	-	-	15.02	82.82	0.00	15.02

19.15	-	-	-	14.80	83.83	0.00	14.80
19.20	-	-	-	14.58	84.84	0.00	14.58
19.25	-	-	-	14.36	85.85	0.00	14.36
19.30	-	-	-	14.14	86.86	0.00	14.14
19.35	-	-	-	13.92	87.87	0.00	13.92
19.40	-	-	-	13.70	88.88	0.00	13.70
19.45	-	-	-	13.49	89.89	0.00	13.49
19.50	-	-	-	13.27	90.90	0.00	13.27
19.55	-	-	-	13.05	91.91	0.00	13.05
19.60	-	-	-	12.84	92.92	0.00	12.84
19.65	-	-	-	12.62	93.93	0.00	12.62
19.70	-	-	-	12.41	94.94	0.00	12.41
19.75	-	-	-	12.19	95.95	0.00	12.19
19.80	-	-	-	11.98	96.96	0.00	11.98
19.85	-	-	-	11.76	97.97	0.00	11.76
19.90	-	-	-	11.55	98.98	0.00	11.55
19.95	-	-	-	11.34	99.99	0.00	11.34
20.00	-	-	-	11.13	NoLiq	0.00	11.13
20.05	-	-	-	11.12	NoLiq	0.00	11.12
20.10	-	-	-	11.11	NoLiq	0.00	11.11
20.15	-	-	-	11.10	NoLiq	0.00	11.10
20.20	-	-	-	11.10	NoLiq	0.00	11.10
20.25	-	-	-	11.09	NoLiq	0.00	11.09
20.30	-	-	-	11.08	NoLiq	0.00	11.08
20.35	-	-	-	11.08	NoLiq	0.00	11.08
20.40	-	-	-	11.07	NoLiq	0.00	11.07
20.45	-	-	-	11.06	NoLiq	0.00	11.06
20.50	-	-	-	11.05	NoLiq	0.00	11.05
20.55	-	-	-	11.05	NoLiq	0.00	11.05
20.60	-	-	-	11.04	NoLiq	0.00	11.04
20.65	-	-	-	11.03	NoLiq	0.00	11.03
20.70	-	-	-	11.03	NoLiq	0.00	11.03
20.75	-	-	-	11.02	NoLiq	0.00	11.02
20.80	-	-	-	11.01	NoLiq	0.00	11.01
20.85	-	-	-	11.00	NoLiq	0.00	11.00
20.90	-	-	-	11.00	NoLiq	0.00	11.00
20.95	-	-	-	10.99	NoLiq	0.00	10.99
21.00	-	-	-	10.98	NoLiq	0.00	10.98
21.05	-	-	-	10.98	NoLiq	0.00	10.98
21.10	-	-	-	10.97	NoLiq	0.00	10.97
21.15	-	-	-	10.97	NoLiq	0.00	10.97
21.20	-	-	-	10.97	NoLiq	0.00	10.97
21.25	-	-	-	10.96	NoLiq	0.00	10.96
21.30	-	-	-	10.96	NoLiq	0.00	10.96
21.35	-	-	-	10.96	NoLiq	0.00	10.96
21.40	-	-	-	10.95	NoLiq	0.00	10.95
21.45	-	-	-	10.95	NoLiq	0.00	10.95
21.50	-	-	-	10.95	NoLiq	0.00	10.95
21.55	-	-	-	10.94	NoLiq	0.00	10.94
21.60	-	-	-	10.94	NoLiq	0.00	10.94
21.65	-	-	-	10.94	NoLiq	0.00	10.94
21.70	-	-	-	10.93	NoLiq	0.00	10.93
21.75	-	-	-	10.93	NoLiq	0.00	10.93
21.80	-	-	-	10.93	NoLiq	0.00	10.93
21.85	-	-	-	10.92	NoLiq	0.00	10.92
21.90	-	-	-	10.92	NoLiq	0.00	10.92
21.95	-	-	-	10.92	NoLiq	0.00	10.92
22.00	-	-	-	10.91	NoLiq	0.00	10.91
22.05	-	-	-	10.91	NoLiq	0.00	10.91
22.10	-	-	-	10.91	NoLiq	0.00	10.91
22.15	-	-	-	10.90	NoLiq	0.00	10.90
22.20	-	-	-	10.90	NoLiq	0.00	10.90
22.25	-	-	-	10.90	NoLiq	0.00	10.90
22.30	-	-	-	10.89	NoLiq	0.00	10.89
22.35	-	-	-	10.89	NoLiq	0.00	10.89
22.40	-	-	-	10.89	NoLiq	0.00	10.89
22.45	-	-	-	10.88	NoLiq	0.00	10.88
22.50	-	-	-	10.88	NoLiq	0.00	10.88
22.55	-	-	-	10.88	NoLiq	0.00	10.88
22.60	-	-	-	10.88	NoLiq	0.00	10.88
22.65	-	-	-	10.87	NoLiq	0.00	10.87
22.70	-	-	-	10.87	NoLiq	0.00	10.87
22.75	-	-	-	10.87	NoLiq	0.00	10.87

22.80	-	-	-	10.86	NoLiq	0.00	10.86
22.85	-	-	-	10.86	NoLiq	0.00	10.86
22.90	-	-	-	10.86	NoLiq	0.00	10.86
22.95	-	-	-	10.85	NoLiq	0.00	10.85
23.00	-	-	-	10.85	NoLiq	0.00	10.85
23.05	-	-	-	10.85	NoLiq	0.00	10.85
23.10	-	-	-	10.84	NoLiq	0.00	10.84
23.15	-	-	-	10.84	NoLiq	0.00	10.84
23.20	-	-	-	10.84	NoLiq	0.00	10.84
23.25	-	-	-	10.83	NoLiq	0.00	10.83
23.30	-	-	-	10.83	NoLiq	0.00	10.83
23.35	-	-	-	10.83	NoLiq	0.00	10.83
23.40	-	-	-	10.82	NoLiq	0.00	10.82
23.45	-	-	-	10.82	NoLiq	0.00	10.82
23.50	-	-	-	10.82	NoLiq	0.00	10.82
23.55	-	-	-	10.82	NoLiq	0.00	10.82
23.60	-	-	-	10.81	NoLiq	0.00	10.81
23.65	-	-	-	10.81	NoLiq	0.00	10.81
23.70	-	-	-	10.81	NoLiq	0.00	10.81
23.75	-	-	-	10.80	NoLiq	0.00	10.80
23.80	-	-	-	10.80	NoLiq	0.00	10.80
23.85	-	-	-	10.80	NoLiq	0.00	10.80
23.90	-	-	-	10.79	NoLiq	0.00	10.79
23.95	-	-	-	10.79	NoLiq	0.00	10.79
24.00	-	-	-	10.79	NoLiq	0.00	10.79
24.05	-	-	-	10.78	NoLiq	0.00	10.78
24.10	-	-	-	10.78	NoLiq	0.00	10.78
24.15	-	-	-	10.78	NoLiq	0.00	10.78
24.20	-	-	-	10.77	NoLiq	0.00	10.77
24.25	-	-	-	10.77	NoLiq	0.00	10.77
24.30	-	-	-	10.77	NoLiq	0.00	10.77
24.35	-	-	-	10.77	NoLiq	0.00	10.77
24.40	-	-	-	10.76	NoLiq	0.00	10.76
24.45	-	-	-	10.76	NoLiq	0.00	10.76
24.50	-	-	-	10.76	NoLiq	0.00	10.76
24.55	-	-	-	10.75	NoLiq	0.00	10.75
24.60	-	-	-	10.75	NoLiq	0.00	10.75
24.65	-	-	-	10.75	NoLiq	0.00	10.75
24.70	-	-	-	10.74	NoLiq	0.00	10.74
24.75	-	-	-	10.74	NoLiq	0.00	10.74
24.80	-	-	-	10.74	NoLiq	0.00	10.74
24.85	-	-	-	10.74	NoLiq	0.00	10.74
24.90	-	-	-	10.73	NoLiq	0.00	10.73
24.95	-	-	-	10.73	NoLiq	0.00	10.73
25.00	-	-	-	10.73	NoLiq	0.00	10.73
25.05	-	-	-	10.76	NoLiq	0.00	10.76
25.10	-	-	-	10.80	NoLiq	0.00	10.80
25.15	-	-	-	10.83	NoLiq	0.00	10.83
25.20	-	-	-	10.87	NoLiq	0.00	10.87
25.25	-	-	-	10.90	NoLiq	0.00	10.90
25.30	-	-	-	10.94	NoLiq	0.00	10.94
25.35	-	-	-	10.97	NoLiq	0.00	10.97
25.40	-	-	-	11.01	NoLiq	0.00	11.01
25.45	-	-	-	11.04	NoLiq	0.00	11.04
25.50	-	-	-	11.08	NoLiq	0.00	11.08
25.55	-	-	-	11.11	NoLiq	0.00	11.11
25.60	-	-	-	11.15	NoLiq	0.00	11.15
25.65	-	-	-	11.18	NoLiq	0.00	11.18
25.70	-	-	-	11.22	NoLiq	0.00	11.22
25.75	-	-	-	11.25	NoLiq	0.00	11.25
25.80	-	-	-	11.28	NoLiq	0.00	11.28
25.85	-	-	-	11.32	NoLiq	0.00	11.32
25.90	-	-	-	11.35	NoLiq	0.00	11.35
25.95	-	-	-	11.39	NoLiq	0.00	11.39
26.00	-	-	-	11.42	NoLiq	0.00	11.42
26.05	-	-	-	11.46	NoLiq	0.00	11.46
26.10	-	-	-	11.49	NoLiq	0.00	11.49
26.15	-	-	-	11.53	NoLiq	0.00	11.53
26.20	-	-	-	11.56	NoLiq	0.00	11.56
26.25	-	-	-	11.60	NoLiq	0.00	11.60
26.30	-	-	-	11.63	NoLiq	0.00	11.63
26.35	-	-	-	11.66	NoLiq	0.00	11.66
26.40	-	-	-	11.70	NoLiq	0.00	11.70

26.45	-	-	-	11.73	NoLiq	0.00	11.73
26.50	-	-	-	11.77	NoLiq	0.00	11.77
26.55	-	-	-	11.80	NoLiq	0.00	11.80
26.60	-	-	-	11.83	NoLiq	0.00	11.83
26.65	-	-	-	11.87	NoLiq	0.00	11.87
26.70	-	-	-	11.90	NoLiq	0.00	11.90
26.75	-	-	-	11.94	NoLiq	0.00	11.94
26.80	-	-	-	11.97	NoLiq	0.00	11.97
26.85	-	-	-	12.00	NoLiq	0.00	12.00
26.90	-	-	-	12.04	NoLiq	0.00	12.04
26.95	-	-	-	12.07	NoLiq	0.00	12.07
27.00	-	-	-	12.11	NoLiq	0.00	12.11
27.05	-	-	-	12.14	NoLiq	0.00	12.14
27.10	-	-	-	12.17	NoLiq	0.00	12.17
27.15	-	-	-	12.21	NoLiq	0.00	12.21
27.20	-	-	-	12.24	NoLiq	0.00	12.24
27.25	-	-	-	12.27	NoLiq	0.00	12.27
27.30	-	-	-	12.31	NoLiq	0.00	12.31
27.35	-	-	-	12.34	NoLiq	0.00	12.34
27.40	-	-	-	12.38	NoLiq	0.00	12.38
27.45	-	-	-	12.41	NoLiq	0.00	12.41
27.50	-	-	-	12.44	NoLiq	0.00	12.44
27.55	-	-	-	12.48	NoLiq	0.00	12.48
27.60	-	-	-	12.51	NoLiq	0.00	12.51
27.65	-	-	-	12.54	NoLiq	0.00	12.54
27.70	-	-	-	12.58	NoLiq	0.00	12.58
27.75	-	-	-	12.61	NoLiq	0.00	12.61
27.80	-	-	-	12.64	NoLiq	0.00	12.64
27.85	-	-	-	12.68	NoLiq	0.00	12.68
27.90	-	-	-	13.12	NoLiq	0.00	13.12
27.95	-	-	-	13.15	NoLiq	0.00	13.15
28.00	-	-	-	13.19	NoLiq	0.00	13.19
28.05	-	-	-	13.22	NoLiq	0.00	13.22
28.10	-	-	-	13.26	NoLiq	0.00	13.26
28.15	-	-	-	13.29	NoLiq	0.00	13.29
28.20	-	-	-	13.33	NoLiq	0.00	13.33
28.25	-	-	-	13.36	NoLiq	0.00	13.36
28.30	-	-	-	13.39	NoLiq	0.00	13.39
28.35	-	-	-	13.43	NoLiq	0.00	13.43
28.40	-	-	-	13.46	NoLiq	0.00	13.46
28.45	-	-	-	13.50	NoLiq	0.00	13.50
28.50	-	-	-	13.53	NoLiq	0.00	13.53
28.55	-	-	-	13.57	NoLiq	0.00	13.57
28.60	-	-	-	13.60	NoLiq	0.00	13.60
28.65	-	-	-	13.64	NoLiq	0.00	13.64
28.70	-	-	-	13.67	NoLiq	0.00	13.67
28.75	-	-	-	13.71	NoLiq	0.00	13.71
28.80	-	-	-	13.74	NoLiq	0.00	13.74
28.85	-	-	-	13.78	NoLiq	0.00	13.78
28.90	-	-	-	13.81	NoLiq	0.00	13.81
28.95	-	-	-	13.84	NoLiq	0.00	13.84
29.00	-	-	-	13.88	NoLiq	0.00	13.88
29.05	-	-	-	13.91	NoLiq	0.00	13.91
29.10	-	-	-	13.95	NoLiq	0.00	13.95
29.15	-	-	-	13.98	NoLiq	0.00	13.98
29.20	-	-	-	14.02	NoLiq	0.00	14.02
29.25	-	-	-	14.05	NoLiq	0.00	14.05
29.30	-	-	-	14.08	NoLiq	0.00	14.08
29.35	-	-	-	14.12	NoLiq	0.00	14.12
29.40	-	-	-	14.15	NoLiq	0.00	14.15
29.45	-	-	-	14.19	NoLiq	0.00	14.19
29.50	-	-	-	14.22	NoLiq	0.00	14.22
29.55	-	-	-	14.25	NoLiq	0.00	14.25
29.60	-	-	-	14.29	NoLiq	0.00	14.29
29.65	-	-	-	14.32	NoLiq	0.00	14.32
29.70	-	-	-	14.36	NoLiq	0.00	14.36
29.75	-	-	-	14.39	NoLiq	0.00	14.39
29.80	-	-	-	14.42	NoLiq	0.00	14.42
29.85	-	-	-	14.46	NoLiq	0.00	14.46
29.90	-	-	-	14.49	NoLiq	0.00	14.49
29.95	-	-	-	14.52	NoLiq	0.00	14.52
30.00	-	-	-	14.56	NoLiq	0.00	14.56
30.05	-	-	-	14.55	NoLiq	0.00	14.55

30.10	-	-	-	14.55	NoLiq	0.00	14.55
30.15	-	-	-	14.54	NoLiq	0.00	14.54
30.20	-	-	-	14.54	NoLiq	0.00	14.54
30.25	-	-	-	14.54	NoLiq	0.00	14.54
30.30	-	-	-	14.53	NoLiq	0.00	14.53
30.35	-	-	-	14.53	NoLiq	0.00	14.53
30.40	-	-	-	14.52	NoLiq	0.00	14.52
30.45	-	-	-	14.52	NoLiq	0.00	14.52
30.50	-	-	-	14.51	NoLiq	0.00	14.51
30.55	-	-	-	14.51	NoLiq	0.00	14.51
30.60	-	-	-	14.50	NoLiq	0.00	14.50
30.65	-	-	-	14.50	NoLiq	0.00	14.50
30.70	-	-	-	14.50	NoLiq	0.00	14.50
30.75	-	-	-	14.49	NoLiq	0.00	14.49
30.80	-	-	-	14.49	NoLiq	0.00	14.49
30.85	-	-	-	14.48	NoLiq	0.00	14.48
30.90	-	-	-	14.48	NoLiq	0.00	14.48
30.95	-	-	-	14.47	NoLiq	0.00	14.47
31.00	-	-	-	14.47	NoLiq	0.00	14.47
31.05	-	-	-	14.46	NoLiq	0.00	14.46
31.10	-	-	-	14.46	NoLiq	0.00	14.46
31.15	-	-	-	14.46	NoLiq	0.00	14.46
31.20	-	-	-	14.45	NoLiq	0.00	14.45
31.25	-	-	-	14.45	NoLiq	0.00	14.45
31.30	-	-	-	14.44	NoLiq	0.00	14.44
31.35	-	-	-	14.44	NoLiq	0.00	14.44
31.40	-	-	-	14.43	NoLiq	0.00	14.43
31.45	-	-	-	14.43	NoLiq	0.00	14.43
31.50	-	-	-	14.42	NoLiq	0.00	14.42
31.55	-	-	-	14.42	NoLiq	0.00	14.42
31.60	-	-	-	14.42	NoLiq	0.00	14.42
31.65	-	-	-	14.41	NoLiq	0.00	14.41
31.70	-	-	-	14.41	NoLiq	0.00	14.41
31.75	-	-	-	14.40	NoLiq	0.00	14.40
31.80	-	-	-	14.40	NoLiq	0.00	14.40
31.85	-	-	-	14.39	NoLiq	0.00	14.39
31.90	-	-	-	14.39	NoLiq	0.00	14.39
31.95	-	-	-	14.38	NoLiq	0.00	14.38
32.00	-	-	-	14.38	NoLiq	0.00	14.38
32.05	-	-	-	14.38	NoLiq	0.00	14.38
32.10	-	-	-	14.37	NoLiq	0.00	14.37
32.15	-	-	-	14.37	NoLiq	0.00	14.37
32.20	-	-	-	14.36	NoLiq	0.00	14.36
32.25	-	-	-	14.36	NoLiq	0.00	14.36
32.30	-	-	-	14.35	NoLiq	0.00	14.35
32.35	-	-	-	14.35	NoLiq	0.00	14.35
32.40	-	-	-	14.34	NoLiq	0.00	14.34
32.45	-	-	-	14.34	NoLiq	0.00	14.34
32.50	-	-	-	14.34	NoLiq	0.00	14.34
32.55	-	-	-	14.33	NoLiq	0.00	14.33
32.60	-	-	-	14.33	NoLiq	0.00	14.33
32.65	-	-	-	14.32	NoLiq	0.00	14.32
32.70	-	-	-	14.32	NoLiq	0.00	14.32
32.75	-	-	-	14.31	NoLiq	0.00	14.31
32.80	-	-	-	14.31	NoLiq	0.00	14.31
32.85	-	-	-	14.30	NoLiq	0.00	14.30
32.90	-	-	-	14.30	NoLiq	0.00	14.30
32.95	-	-	-	14.30	NoLiq	0.00	14.30
33.00	-	-	-	14.29	NoLiq	0.00	14.29
33.05	-	-	-	14.29	NoLiq	0.00	14.29
33.10	-	-	-	14.28	NoLiq	0.00	14.28
33.15	-	-	-	14.28	NoLiq	0.00	14.28
33.20	-	-	-	14.27	NoLiq	0.00	14.27
33.25	-	-	-	14.27	NoLiq	0.00	14.27
33.30	-	-	-	14.27	NoLiq	0.00	14.27
33.35	-	-	-	14.26	NoLiq	0.00	14.26
33.40	-	-	-	14.26	NoLiq	0.00	14.26
33.45	-	-	-	14.25	NoLiq	0.00	14.25
33.50	-	-	-	14.25	NoLiq	0.00	14.25
33.55	-	-	-	14.24	NoLiq	0.00	14.24
33.60	-	-	-	14.24	NoLiq	0.00	14.24
33.65	-	-	-	14.24	NoLiq	0.00	14.24
33.70	-	-	-	14.23	NoLiq	0.00	14.23

33.75	-	-	-	14.23	NoLiq	0.00	14.23
33.80	-	-	-	14.22	NoLiq	0.00	14.22
33.85	-	-	-	14.22	NoLiq	0.00	14.22
33.90	-	-	-	14.21	NoLiq	0.00	14.21
33.95	-	-	-	14.21	NoLiq	0.00	14.21
34.00	-	-	-	14.21	NoLiq	0.00	14.21
34.05	-	-	-	14.20	NoLiq	0.00	14.20
34.10	-	-	-	14.20	NoLiq	0.00	14.20
34.15	-	-	-	14.19	NoLiq	0.00	14.19
34.20	-	-	-	14.19	NoLiq	0.00	14.19
34.25	-	-	-	14.18	NoLiq	0.00	14.18
34.30	-	-	-	14.18	NoLiq	0.00	14.18
34.35	-	-	-	14.18	NoLiq	0.00	14.18
34.40	-	-	-	14.17	NoLiq	0.00	14.17
34.45	-	-	-	14.17	NoLiq	0.00	14.17
34.50	-	-	-	14.16	NoLiq	0.00	14.16
34.55	-	-	-	14.16	NoLiq	0.00	14.16
34.60	-	-	-	14.15	NoLiq	0.00	14.15
34.65	-	-	-	14.15	NoLiq	0.00	14.15
34.70	-	-	-	14.15	NoLiq	0.00	14.15
34.75	-	-	-	14.14	NoLiq	0.00	14.14
34.80	-	-	-	14.14	NoLiq	0.00	14.14
34.85	-	-	-	14.13	NoLiq	0.00	14.13
34.90	-	-	-	14.13	NoLiq	0.00	14.13
34.95	-	-	-	14.12	NoLiq	0.00	14.12
35.00	-	-	-	14.12	NoLiq	0.00	14.12
35.05	-	-	-	14.53	NoLiq	0.00	14.53
35.10	-	-	-	14.95	NoLiq	0.00	14.95
35.15	-	-	-	15.36	NoLiq	0.00	15.36
35.20	-	-	-	15.78	NoLiq	0.00	15.78
35.25	-	-	-	16.19	NoLiq	0.00	16.19
35.30	-	-	-	16.60	NoLiq	0.00	16.60
35.35	-	-	-	17.02	NoLiq	0.00	17.02
35.40	-	-	-	17.43	NoLiq	0.00	17.43
35.45	-	-	-	17.84	NoLiq	0.00	17.84
35.50	-	-	-	18.25	NoLiq	0.00	18.25
35.55	-	-	-	18.66	NoLiq	0.00	18.66
35.60	-	-	-	19.07	NoLiq	0.00	19.07
35.65	-	-	-	19.48	NoLiq	0.00	19.48
35.70	-	-	-	19.89	NoLiq	0.00	19.89
35.75	-	-	-	20.30	NoLiq	0.00	20.30
35.80	-	-	-	20.71	NoLiq	0.00	20.71
35.85	-	-	-	21.12	NoLiq	0.00	21.12
35.90	-	-	-	21.53	NoLiq	0.00	21.53
35.95	-	-	-	21.94	NoLiq	0.00	21.94
36.00	-	-	-	22.35	NoLiq	0.00	22.35
36.05	-	-	-	22.76	NoLiq	0.00	22.76
36.10	-	-	-	23.16	NoLiq	0.00	23.16
36.15	-	-	-	23.57	NoLiq	0.00	23.57
36.20	-	-	-	23.98	NoLiq	0.00	23.98
36.25	-	-	-	24.38	NoLiq	0.00	24.38
36.30	-	-	-	24.79	NoLiq	0.00	24.79
36.35	-	-	-	25.19	NoLiq	0.00	25.19
36.40	-	-	-	25.60	NoLiq	0.00	25.60
36.45	-	-	-	26.00	NoLiq	0.00	26.00
36.50	-	-	-	26.41	NoLiq	0.00	26.41
36.55	-	-	-	26.81	NoLiq	0.00	26.81
36.60	-	-	-	27.22	NoLiq	0.00	27.22
36.65	-	-	-	27.62	NoLiq	0.00	27.62
36.70	-	-	-	28.02	NoLiq	0.00	28.02
36.75	-	-	-	28.42	NoLiq	0.00	28.42
36.80	-	-	-	28.83	NoLiq	0.00	28.83
36.85	-	-	-	29.23	NoLiq	0.00	29.23
36.90	-	-	-	29.63	NoLiq	0.00	29.63
36.95	-	-	-	30.03	NoLiq	0.00	30.03
37.00	-	-	-	30.43	NoLiq	0.00	30.43
37.05	-	-	-	30.83	NoLiq	0.00	30.83
37.10	-	-	-	31.23	NoLiq	0.00	31.23
37.15	-	-	-	31.63	NoLiq	0.00	31.63
37.20	-	-	-	32.03	NoLiq	0.00	32.03
37.25	-	-	-	32.43	NoLiq	0.00	32.43
37.30	-	-	-	32.83	NoLiq	0.00	32.83
37.35	-	-	-	33.23	NoLiq	0.00	33.23

37.40	-	-	-	33.63	NoLiq	0.00	33.63
37.45	-	-	-	34.03	NoLiq	0.00	34.03
37.50	-	-	-	34.42	NoLiq	0.00	34.42
37.55	-	-	-	34.82	NoLiq	0.00	34.82
37.60	-	-	-	35.22	NoLiq	0.00	35.22
37.65	-	-	-	35.61	NoLiq	0.00	35.61
37.70	-	-	-	36.01	NoLiq	0.00	36.01
37.75	-	-	-	36.41	NoLiq	0.00	36.41
37.80	-	-	-	36.80	NoLiq	0.00	36.80
37.85	-	-	-	37.20	NoLiq	0.00	37.20
37.90	-	-	-	37.59	NoLiq	0.00	37.59
37.95	-	-	-	37.99	NoLiq	0.00	37.99
38.00	-	-	-	38.38	NoLiq	0.00	38.38
38.05	-	-	-	38.77	NoLiq	0.00	38.77
38.10	-	-	-	39.17	NoLiq	0.00	39.17
38.15	-	-	-	39.56	NoLiq	0.00	39.56
38.20	-	-	-	39.95	NoLiq	0.00	39.95
38.25	-	-	-	40.35	NoLiq	0.00	40.35
38.30	-	-	-	40.74	NoLiq	0.00	40.74
38.35	-	-	-	41.13	NoLiq	0.00	41.13
38.40	-	-	-	41.52	NoLiq	0.00	41.52
38.45	-	-	-	41.91	NoLiq	0.00	41.91
38.50	-	-	-	42.30	NoLiq	0.00	42.30
38.55	-	-	-	42.69	NoLiq	0.00	42.69
38.60	-	-	-	43.08	NoLiq	0.00	43.08
38.65	-	-	-	43.47	NoLiq	0.00	43.47
38.70	-	-	-	43.86	NoLiq	0.00	43.86
38.75	-	-	-	44.25	NoLiq	0.00	44.25
38.80	-	-	-	44.64	NoLiq	0.00	44.64
38.85	-	-	-	45.03	NoLiq	0.00	45.03
38.90	-	-	-	45.42	NoLiq	0.00	45.42
38.95	-	-	-	45.81	NoLiq	0.00	45.81
39.00	-	-	-	46.20	NoLiq	0.00	46.20
39.05	-	-	-	46.58	NoLiq	0.00	46.58
39.10	-	-	-	46.97	NoLiq	0.00	46.97
39.15	-	-	-	47.36	NoLiq	0.00	47.36
39.20	-	-	-	47.74	NoLiq	0.00	47.74
39.25	-	-	-	48.13	NoLiq	0.00	48.13
39.30	-	-	-	48.52	NoLiq	0.00	48.52
39.35	-	-	-	48.90	NoLiq	0.00	48.90
39.40	-	-	-	49.29	NoLiq	0.00	49.29
39.45	-	-	-	49.67	NoLiq	0.00	49.67
39.50	-	-	-	50.06	NoLiq	0.00	50.06
39.55	-	-	-	50.44	NoLiq	0.00	50.44
39.60	-	-	-	50.83	NoLiq	0.00	50.83
39.65	-	-	-	51.21	NoLiq	0.00	51.21
39.70	-	-	-	51.59	NoLiq	0.00	51.59
39.75	-	-	-	51.98	NoLiq	0.00	51.98
39.80	-	-	-	52.36	NoLiq	0.00	52.36
39.85	-	-	-	52.74	NoLiq	0.00	52.74
39.90	-	-	-	53.12	NoLiq	0.00	53.12
39.95	-	-	-	53.51	NoLiq	0.00	53.51
40.00	-	-	-	53.89	NoLiq	0.00	53.89
40.05	-	-	-	53.87	NoLiq	0.00	53.87
40.10	-	-	-	53.85	NoLiq	0.00	53.85
40.15	-	-	-	53.83	NoLiq	0.00	53.83
40.20	-	-	-	53.81	NoLiq	0.00	53.81
40.25	-	-	-	53.79	NoLiq	0.00	53.79
40.30	-	-	-	53.77	NoLiq	0.00	53.77
40.35	-	-	-	53.75	NoLiq	0.00	53.75
40.40	-	-	-	53.73	NoLiq	0.00	53.73
40.45	-	-	-	53.71	NoLiq	0.00	53.71
40.50	-	-	-	53.69	NoLiq	0.00	53.69
40.55	-	-	-	53.67	NoLiq	0.00	53.67
40.60	-	-	-	53.65	NoLiq	0.00	53.65
40.65	-	-	-	53.63	NoLiq	0.00	53.63
40.70	-	-	-	53.61	NoLiq	0.00	53.61
40.75	-	-	-	53.59	NoLiq	0.00	53.59
40.80	-	-	-	53.57	NoLiq	0.00	53.57
40.85	-	-	-	53.55	NoLiq	0.00	53.55
40.90	-	-	-	53.53	NoLiq	0.00	53.53
40.95	-	-	-	53.51	NoLiq	0.00	53.51
41.00	-	-	-	53.49	NoLiq	0.00	53.49

41.05	-	-	-	53.47	NoLiq	0.00	53.47
41.10	-	-	-	53.45	NoLiq	0.00	53.45
41.15	-	-	-	53.43	NoLiq	0.00	53.43
41.20	-	-	-	53.41	NoLiq	0.00	53.41
41.25	-	-	-	53.38	NoLiq	0.00	53.38
41.30	-	-	-	53.36	NoLiq	0.00	53.36
41.35	-	-	-	53.34	NoLiq	0.00	53.34
41.40	-	-	-	53.32	NoLiq	0.00	53.32
41.45	-	-	-	53.30	NoLiq	0.00	53.30
41.50	-	-	-	53.28	NoLiq	0.00	53.28
41.55	-	-	-	53.26	NoLiq	0.00	53.26
41.60	-	-	-	53.24	NoLiq	0.00	53.24
41.65	-	-	-	53.22	NoLiq	0.00	53.22
41.70	-	-	-	53.20	NoLiq	0.00	53.20
41.75	-	-	-	53.18	NoLiq	0.00	53.18
41.80	-	-	-	53.16	NoLiq	0.00	53.16
41.85	-	-	-	53.14	NoLiq	0.00	53.14
41.90	-	-	-	53.12	NoLiq	0.00	53.12
41.95	-	-	-	53.10	NoLiq	0.00	53.10
42.00	-	-	-	53.08	NoLiq	0.00	53.08
42.05	-	-	-	53.06	NoLiq	0.00	53.06
42.10	-	-	-	53.03	NoLiq	0.00	53.03
42.15	-	-	-	53.01	NoLiq	0.00	53.01
42.20	-	-	-	52.99	NoLiq	0.00	52.99
42.25	-	-	-	52.97	NoLiq	0.00	52.97
42.30	-	-	-	52.95	NoLiq	0.00	52.95
42.35	-	-	-	52.93	NoLiq	0.00	52.93
42.40	-	-	-	52.91	NoLiq	0.00	52.91
42.45	-	-	-	52.89	NoLiq	0.00	52.89
42.50	-	-	-	52.87	NoLiq	0.00	52.87
42.55	-	-	-	52.85	NoLiq	0.00	52.85
42.60	-	-	-	52.83	NoLiq	0.00	52.83
42.65	-	-	-	52.81	NoLiq	0.00	52.81
42.70	-	-	-	52.79	NoLiq	0.00	52.79
42.75	-	-	-	52.76	NoLiq	0.00	52.76
42.80	-	-	-	52.74	NoLiq	0.00	52.74
42.85	-	-	-	52.72	NoLiq	0.00	52.72
42.90	-	-	-	52.70	NoLiq	0.00	52.70
42.95	-	-	-	52.68	NoLiq	0.00	52.68
43.00	-	-	-	52.66	NoLiq	0.00	52.66
43.05	-	-	-	52.64	NoLiq	0.00	52.64
43.10	-	-	-	52.62	NoLiq	0.00	52.62
43.15	-	-	-	52.60	NoLiq	0.00	52.60
43.20	-	-	-	52.58	NoLiq	0.00	52.58
43.25	-	-	-	52.55	NoLiq	0.00	52.55
43.30	-	-	-	52.53	NoLiq	0.00	52.53
43.35	-	-	-	52.51	NoLiq	0.00	52.51
43.40	-	-	-	52.49	NoLiq	0.00	52.49
43.45	-	-	-	52.47	NoLiq	0.00	52.47
43.50	-	-	-	52.45	NoLiq	0.00	52.45
43.55	-	-	-	52.43	NoLiq	0.00	52.43
43.60	-	-	-	52.41	NoLiq	0.00	52.41
43.65	-	-	-	52.39	NoLiq	0.00	52.39
43.70	-	-	-	52.36	NoLiq	0.00	52.36
43.75	-	-	-	52.34	NoLiq	0.00	52.34
43.80	-	-	-	52.32	NoLiq	0.00	52.32
43.85	-	-	-	52.30	NoLiq	0.00	52.30
43.90	-	-	-	52.28	NoLiq	0.00	52.28
43.95	-	-	-	52.26	NoLiq	0.00	52.26
44.00	-	-	-	52.24	NoLiq	0.00	52.24
44.05	-	-	-	52.22	NoLiq	0.00	52.22
44.10	-	-	-	52.19	NoLiq	0.00	52.19
44.15	-	-	-	52.17	NoLiq	0.00	52.17
44.20	-	-	-	52.15	NoLiq	0.00	52.15
44.25	-	-	-	52.13	NoLiq	0.00	52.13
44.30	-	-	-	52.11	NoLiq	0.00	52.11
44.35	-	-	-	52.09	NoLiq	0.00	52.09
44.40	-	-	-	52.07	NoLiq	0.00	52.07
44.45	-	-	-	52.05	NoLiq	0.00	52.05
44.50	-	-	-	52.02	NoLiq	0.00	52.02
44.55	-	-	-	52.00	NoLiq	0.00	52.00
44.60	-	-	-	51.98	NoLiq	0.00	51.98
44.65	-	-	-	51.96	NoLiq	0.00	51.96

44.70	-	-	-	51.94	NoLiq	0.00	51.94
44.75	-	-	-	51.92	NoLiq	0.00	51.92
44.80	-	-	-	51.90	NoLiq	0.00	51.90
44.85	-	-	-	51.87	NoLiq	0.00	51.87
44.90	-	-	-	51.85	NoLiq	0.00	51.85
44.95	-	-	-	51.83	NoLiq	0.00	51.83
45.00	-	-	-	51.81	NoLiq	0.00	51.81
45.05	-	-	-	52.07	NoLiq	0.00	52.07
45.10	-	-	-	52.33	99.20	0.00	52.33
45.15	-	-	-	52.60	98.29	0.00	52.60
45.20	-	-	-	52.86	97.38	0.00	52.86
45.25	-	-	-	53.12	96.48	0.00	53.12
45.30	-	-	-	53.38	95.57	0.00	53.38
45.35	-	-	-	53.64	94.67	0.00	53.64
45.40	-	-	-	53.90	93.76	0.00	53.90
45.45	-	-	-	54.16	92.85	0.00	54.16
45.50	-	-	-	54.42	91.95	0.00	54.42
45.55	-	-	-	54.69	91.04	0.00	54.69
45.60	-	-	-	54.95	90.14	0.00	54.95
45.65	-	-	-	55.21	89.23	0.00	55.21
45.70	-	-	-	55.47	88.32	0.00	55.47
45.75	-	-	-	55.72	87.42	0.00	55.72
45.80	-	-	-	55.98	86.51	0.00	55.98
45.85	-	-	-	56.24	85.61	0.00	56.24
45.90	-	-	-	56.50	84.70	0.00	56.50
45.95	-	-	-	56.76	83.79	0.00	56.76
46.00	-	-	-	57.02	82.89	0.00	57.02
46.05	-	-	-	57.28	81.98	0.00	57.28
46.10	-	-	-	57.54	81.08	0.00	57.54
46.15	-	-	-	57.79	80.17	0.00	57.79
46.20	-	-	-	58.05	79.26	0.00	58.05
46.25	-	-	-	58.31	78.36	0.00	58.31
46.30	-	-	-	58.57	77.45	0.00	58.57
46.35	-	-	-	58.82	76.55	0.00	58.82
46.40	-	-	-	59.08	75.64	0.00	59.08
46.45	-	-	-	59.34	74.73	0.00	59.34
46.50	-	-	-	59.60	73.83	0.00	59.60
46.55	-	-	-	59.85	72.92	0.00	59.85
46.60	-	-	-	60.11	72.02	0.00	60.11
46.65	-	-	-	60.36	71.11	0.00	60.36
46.70	-	-	-	60.62	70.20	0.00	60.62
46.75	-	-	-	60.88	69.30	0.00	60.88
46.80	-	-	-	61.13	68.39	0.00	61.13
46.85	-	-	-	61.39	67.49	0.00	61.39
46.90	-	-	-	61.64	66.58	0.00	61.64
46.95	-	-	-	61.90	65.67	0.00	61.90
47.00	-	-	-	62.15	64.77	0.00	62.15
47.05	-	-	-	62.41	63.86	0.00	62.41
47.10	-	-	-	62.66	62.96	0.00	62.66
47.15	-	-	-	62.91	62.05	0.00	62.91
47.20	-	-	-	63.17	61.14	0.00	63.17
47.25	-	-	-	63.42	60.24	0.00	63.42
47.30	-	-	-	63.67	59.33	0.00	63.67
47.35	-	-	-	63.93	58.43	0.00	63.93
47.40	-	-	-	64.18	57.52	0.00	64.18
47.45	-	-	-	64.43	56.61	0.00	64.43
47.50	-	-	-	64.69	55.71	0.00	64.69
47.55	-	-	-	64.94	54.80	0.00	64.94
47.60	-	-	-	65.19	53.90	0.00	65.19
47.65	-	-	-	65.44	52.99	0.00	65.44
47.70	-	-	-	65.70	52.08	0.00	65.70
47.75	-	-	-	65.95	51.18	0.00	65.95
47.80	-	-	-	66.20	50.27	0.00	66.20
47.85	-	-	-	66.45	49.37	0.00	66.45
47.90	-	-	-	66.70	48.46	0.00	66.70
47.95	-	-	-	66.95	47.55	0.00	66.95
48.00	-	-	-	67.20	46.65	0.00	67.20
48.05	-	-	-	67.46	45.74	0.00	67.46
48.10	-	-	-	67.71	44.84	0.00	67.71
48.15	-	-	-	67.96	43.93	0.00	67.96
48.20	-	-	-	68.21	43.02	0.00	68.21
48.25	-	-	-	68.46	42.12	0.00	68.46
48.30	-	-	-	68.71	41.21	0.00	68.71

48.35	-	-	-	68.96	40.31	0.00	68.96
48.40	-	-	-	69.21	39.40	0.00	69.21
48.45	-	-	-	69.46	38.49	0.00	69.46
48.50	-	-	-	69.70	37.59	0.00	69.70
48.55	-	-	-	69.95	36.68	0.00	69.95
48.60	-	-	-	70.20	35.78	0.00	70.20
48.65	-	-	-	70.20	34.87	0.00	70.20
48.70	-	-	-	69.97	33.96	0.00	69.97
48.75	-	-	-	69.74	33.06	0.00	69.74
48.80	-	-	-	69.51	32.15	0.00	69.51
48.85	-	-	-	69.27	31.25	0.00	69.27
48.90	-	-	-	69.04	30.34	0.00	69.04
48.95	-	-	-	68.80	29.43	0.00	68.80
49.00	-	-	-	68.56	28.53	0.00	68.56
49.05	-	-	-	68.32	27.62	0.00	68.32
49.10	-	-	-	68.08	26.72	0.00	68.08
49.15	-	-	-	67.83	25.81	0.00	67.83
49.20	-	-	-	67.58	24.90	0.00	67.58
49.25	-	-	-	67.33	24.00	0.00	67.33
49.30	-	-	-	67.07	23.09	0.00	67.07
49.35	-	-	-	66.81	22.19	0.00	66.81
49.40	-	-	-	66.54	21.28	0.00	66.54
49.45	-	-	-	66.26	20.37	0.00	66.26
49.50	-	-	-	65.97	19.47	0.00	65.97
49.55	-	-	-	65.67	18.56	0.00	65.67
49.60	-	-	-	65.36	17.66	0.00	65.36
49.65	-	-	-	65.04	16.75	0.00	65.04
49.70	-	-	-	64.71	15.84	0.00	64.71
49.75	-	-	-	64.37	14.94	0.00	64.37
49.80	-	-	-	64.01	14.03	0.00	64.01
49.85	-	-	-	63.64	13.13	0.00	63.64
49.90	-	-	-	63.26	12.22	0.00	63.26
49.95	-	-	-	62.88	11.31	0.00	62.88
50.00	-	-	-	62.51	10.41	0.00	62.51
50.05	-	-	-	62.48	10.40	0.00	62.48
50.10	-	-	-	62.46	10.40	0.00	62.46
50.15	-	-	-	62.43	10.40	0.00	62.43
50.20	-	-	-	62.41	10.40	0.00	62.41
50.25	-	-	-	62.38	10.40	0.00	62.38
50.30	-	-	-	62.36	10.40	0.00	62.36
50.35	-	-	-	62.34	10.40	0.00	62.34
50.40	-	-	-	62.31	10.40	0.00	62.31
50.45	-	-	-	62.29	10.40	0.00	62.29
50.50	-	-	-	62.27	10.40	0.00	62.27
50.55	-	-	-	62.24	10.40	0.00	62.24
50.60	-	-	-	62.22	10.40	0.00	62.22
50.65	-	-	-	62.20	10.40	0.00	62.20
50.70	-	-	-	62.18	10.40	0.00	62.18
50.75	-	-	-	62.15	10.40	0.00	62.15
50.80	-	-	-	62.13	10.40	0.00	62.13
50.85	-	-	-	62.11	10.40	0.00	62.11
50.90	-	-	-	62.09	10.40	0.00	62.09
50.95	-	-	-	62.07	10.40	0.00	62.07
51.00	-	-	-	62.04	10.40	0.00	62.04
51.05	-	-	-	62.02	10.40	0.00	62.02
51.10	-	-	-	62.00	10.40	0.00	62.00
51.15	-	-	-	61.98	10.40	0.00	61.98
51.20	-	-	-	61.96	10.40	0.00	61.96
51.25	-	-	-	61.94	10.40	0.00	61.94
51.30	-	-	-	61.91	10.40	0.00	61.91
51.35	-	-	-	61.89	10.40	0.00	61.89
51.40	-	-	-	61.87	10.40	0.00	61.87
51.45	-	-	-	61.85	10.40	0.00	61.85
51.50	-	-	-	61.83	10.40	0.00	61.83
51.55	-	-	-	61.81	10.40	0.00	61.81
51.60	-	-	-	61.79	10.40	0.00	61.79
51.65	-	-	-	61.77	10.40	0.00	61.77
51.70	-	-	-	61.75	10.40	0.00	61.75
51.75	-	-	-	61.73	10.40	0.00	61.73
51.80	-	-	-	61.71	10.40	0.00	61.71
51.85	-	-	-	61.69	10.40	0.00	61.69
51.90	-	-	-	61.67	10.40	0.00	61.67
51.95	-	-	-	61.65	10.40	0.00	61.65

52.00	-	-	-	61.63	10.40	0.00	61.63
52.05	-	-	-	61.61	10.40	0.00	61.61
52.10	-	-	-	61.59	10.40	0.00	61.59
52.15	-	-	-	61.57	10.40	0.00	61.57
52.20	-	-	-	61.55	10.40	0.00	61.55
52.25	-	-	-	61.53	10.40	0.00	61.53
52.30	-	-	-	61.51	10.40	0.00	61.51
52.35	-	-	-	61.49	10.40	0.00	61.49
52.40	-	-	-	61.47	10.40	0.00	61.47
52.45	-	-	-	61.46	10.40	0.00	61.46
52.50	-	-	-	61.44	10.40	0.00	61.44
52.55	-	-	-	61.42	10.40	0.00	61.42
52.60	-	-	-	61.40	10.40	0.00	61.40
52.65	-	-	-	61.38	10.40	0.00	61.38
52.70	-	-	-	61.36	10.40	0.00	61.36
52.75	-	-	-	61.34	10.40	0.00	61.34
52.80	-	-	-	61.33	10.40	0.00	61.33
52.85	-	-	-	61.31	10.40	0.00	61.31
52.90	-	-	-	61.29	10.40	0.00	61.29
52.95	-	-	-	61.27	10.40	0.00	61.27
53.00	-	-	-	61.26	10.40	0.00	61.26
53.05	-	-	-	61.24	10.40	0.00	61.24
53.10	-	-	-	61.22	10.40	0.00	61.22
53.15	-	-	-	61.20	10.40	0.00	61.20
53.20	-	-	-	61.19	10.40	0.00	61.19
53.25	-	-	-	61.17	10.40	0.00	61.17
53.30	-	-	-	61.15	10.40	0.00	61.15
53.35	-	-	-	61.13	10.40	0.00	61.13
53.40	-	-	-	61.12	10.40	0.00	61.12
53.45	-	-	-	61.10	10.40	0.00	61.10
53.50	-	-	-	61.08	10.40	0.00	61.08
53.55	-	-	-	61.07	10.40	0.00	61.07
53.60	-	-	-	61.05	10.40	0.00	61.05
53.65	-	-	-	61.04	10.40	0.00	61.04
53.70	-	-	-	61.02	10.40	0.00	61.02
53.75	-	-	-	61.00	10.40	0.00	61.00
53.80	-	-	-	60.99	10.40	0.00	60.99
53.85	-	-	-	60.97	10.40	0.00	60.97
53.90	-	-	-	60.95	10.40	0.00	60.95
53.95	-	-	-	60.94	10.40	0.00	60.94
54.00	-	-	-	60.92	10.40	0.00	60.92
54.05	-	-	-	60.91	10.40	0.00	60.91
54.10	-	-	-	60.89	10.40	0.00	60.89
54.15	-	-	-	60.88	10.40	0.00	60.88
54.20	-	-	-	60.86	10.40	0.00	60.86
54.25	-	-	-	60.85	10.40	0.00	60.85
54.30	-	-	-	60.83	10.40	0.00	60.83
54.35	-	-	-	60.82	10.40	0.00	60.82
54.40	-	-	-	60.80	10.40	0.00	60.80
54.45	-	-	-	60.79	10.40	0.00	60.79
54.50	-	-	-	60.77	10.40	0.00	60.77
54.55	-	-	-	60.76	10.40	0.00	60.76
54.60	-	-	-	60.74	10.40	0.00	60.74
54.65	-	-	-	60.73	10.40	0.00	60.73
54.70	-	-	-	60.71	10.40	0.00	60.71
54.75	-	-	-	60.70	10.40	0.00	60.70
54.80	-	-	-	60.69	10.40	0.00	60.69
54.85	-	-	-	60.67	10.40	0.00	60.67
54.90	-	-	-	60.66	10.40	0.00	60.66
54.95	-	-	-	60.64	10.40	0.00	60.64
55.00	-	-	-	60.63	10.40	0.00	60.63
55.05	-	-	-	60.60	10.40	0.00	60.60
55.10	-	-	-	60.58	10.40	0.00	60.58
55.15	-	-	-	60.55	10.40	0.00	60.55
55.20	-	-	-	60.52	10.40	0.00	60.52
55.25	-	-	-	60.50	10.40	0.00	60.50
55.30	-	-	-	60.47	10.40	0.00	60.47
55.35	-	-	-	60.44	10.40	0.00	60.44
55.40	-	-	-	60.42	10.40	0.00	60.42
55.45	-	-	-	60.39	10.40	0.00	60.39
55.50	-	-	-	60.36	10.40	0.00	60.36
55.55	-	-	-	60.33	10.40	0.00	60.33
55.60	-	-	-	60.31	10.40	0.00	60.31

55.65	-	-	-	60.28	10.40	0.00	60.28
55.70	-	-	-	60.25	10.40	0.00	60.25
55.75	-	-	-	60.23	10.40	0.00	60.23
55.80	-	-	-	60.20	10.40	0.00	60.20
55.85	-	-	-	60.17	10.40	0.00	60.17
55.90	-	-	-	60.15	10.40	0.00	60.15
55.95	-	-	-	60.12	10.40	0.00	60.12
56.00	-	-	-	60.09	10.40	0.00	60.09
56.05	-	-	-	60.07	10.40	0.00	60.07
56.10	-	-	-	60.04	10.40	0.00	60.04
56.15	-	-	-	60.01	10.40	0.00	60.01
56.20	-	-	-	59.99	10.40	0.00	59.99
56.25	-	-	-	59.96	10.40	0.00	59.96
56.30	-	-	-	59.93	10.40	0.00	59.93
56.35	-	-	-	59.91	10.40	0.00	59.91
56.40	-	-	-	59.88	10.40	0.00	59.88
56.45	-	-	-	59.85	10.40	0.00	59.85
56.50	-	-	-	59.83	10.40	0.00	59.83
56.55	-	-	-	59.80	10.40	0.00	59.80
56.60	-	-	-	59.78	10.40	0.00	59.78
56.65	-	-	-	59.75	10.40	0.00	59.75
56.70	-	-	-	59.72	10.40	0.00	59.72
56.75	-	-	-	59.70	10.40	0.00	59.70
56.80	-	-	-	59.67	10.40	0.00	59.67
56.85	-	-	-	59.64	10.40	0.00	59.64
56.90	-	-	-	59.62	10.40	0.00	59.62
56.95	-	-	-	59.59	10.40	0.00	59.59
57.00	-	-	-	59.56	10.40	0.00	59.56
57.05	-	-	-	59.54	10.40	0.00	59.54
57.10	-	-	-	59.51	10.40	0.00	59.51
57.15	-	-	-	59.48	10.40	0.00	59.48
57.20	-	-	-	59.46	10.40	0.00	59.46
57.25	-	-	-	59.43	10.40	0.00	59.43
57.30	-	-	-	59.41	10.40	0.00	59.41
57.35	-	-	-	59.38	10.40	0.00	59.38
57.40	-	-	-	59.35	10.40	0.00	59.35
57.45	-	-	-	59.33	10.40	0.00	59.33
57.50	-	-	-	59.30	10.40	0.00	59.30
57.55	-	-	-	59.27	10.40	0.00	59.27
57.60	-	-	-	59.25	10.40	0.00	59.25
57.65	-	-	-	59.22	10.40	0.00	59.22
57.70	-	-	-	59.20	10.40	0.00	59.20
57.75	-	-	-	59.17	10.40	0.00	59.17
57.80	-	-	-	59.14	10.40	0.00	59.14
57.85	-	-	-	59.12	10.40	0.00	59.12
57.90	-	-	-	59.09	10.40	0.00	59.09
57.95	-	-	-	59.06	10.40	0.00	59.06
58.00	-	-	-	59.04	10.40	0.00	59.04
58.05	-	-	-	59.01	10.40	0.00	59.01
58.10	-	-	-	58.99	10.40	0.00	58.99
58.15	-	-	-	58.96	10.40	0.00	58.96
58.20	-	-	-	58.93	10.40	0.00	58.93
58.25	-	-	-	58.91	10.40	0.00	58.91
58.30	-	-	-	58.88	10.40	0.00	58.88
58.35	-	-	-	58.86	10.40	0.00	58.86
58.40	-	-	-	58.83	10.40	0.00	58.83
58.45	-	-	-	58.80	10.40	0.00	58.80
58.50	-	-	-	58.78	10.40	0.00	58.78
58.55	-	-	-	58.75	10.40	0.00	58.75
58.60	-	-	-	58.73	10.40	0.00	58.73
58.65	-	-	-	58.70	10.40	0.00	58.70
58.70	-	-	-	58.67	10.40	0.00	58.67
58.75	-	-	-	58.65	10.40	0.00	58.65
58.80	-	-	-	58.62	10.40	0.00	58.62
58.85	-	-	-	58.60	10.40	0.00	58.60
58.90	-	-	-	58.57	10.40	0.00	58.57
58.95	-	-	-	58.54	10.40	0.00	58.54
59.00	-	-	-	58.52	10.40	0.00	58.52
59.05	-	-	-	58.49	10.40	0.00	58.49
59.10	-	-	-	58.47	10.40	0.00	58.47
59.15	-	-	-	58.44	10.40	0.00	58.44
59.20	-	-	-	58.42	10.40	0.00	58.42
59.25	-	-	-	58.39	10.40	0.00	58.39

59.30	-	-	-	58.36	10.40	0.00	58.36
59.35	-	-	-	58.34	10.40	0.00	58.34
59.40	-	-	-	58.31	10.40	0.00	58.31
59.45	-	-	-	58.29	10.40	0.00	58.29
59.50	-	-	-	58.26	10.40	0.00	58.26
59.55	-	-	-	58.23	10.40	0.00	58.23
59.60	-	-	-	58.21	10.40	0.00	58.21
59.65	-	-	-	58.18	10.40	0.00	58.18
59.70	-	-	-	58.16	10.40	0.00	58.16
59.75	-	-	-	58.13	10.40	0.00	58.13
59.80	-	-	-	58.11	10.40	0.00	58.11
59.85	-	-	-	58.08	10.40	0.00	58.08
59.90	-	-	-	58.05	10.40	0.00	58.05
59.95	-	-	-	58.03	10.40	0.00	58.03
60.00	-	-	-	58.00	10.40	0.00	58.00
60.05	-	-	-	57.98	10.40	0.00	57.98
60.10	-	-	-	57.95	10.40	0.00	57.95
60.15	-	-	-	57.93	10.40	0.00	57.93
60.20	-	-	-	57.90	10.40	0.00	57.90
60.25	-	-	-	57.88	10.40	0.00	57.88
60.30	-	-	-	57.85	10.40	0.00	57.85
60.35	-	-	-	57.82	10.40	0.00	57.82
60.40	-	-	-	57.80	10.40	0.00	57.80
60.45	-	-	-	57.77	10.40	0.00	57.77
60.50	-	-	-	57.75	10.40	0.00	57.75
60.55	-	-	-	57.72	10.40	0.00	57.72
60.60	-	-	-	57.70	10.40	0.00	57.70
60.65	-	-	-	57.67	10.40	0.00	57.67
60.70	-	-	-	57.65	10.40	0.00	57.65
60.75	-	-	-	57.62	10.40	0.00	57.62
60.80	-	-	-	57.60	10.40	0.00	57.60
60.85	-	-	-	57.57	10.40	0.00	57.57
60.90	-	-	-	57.55	10.40	0.00	57.55
60.95	-	-	-	57.52	10.40	0.00	57.52
61.00	-	-	-	57.50	10.40	0.00	57.50
61.05	-	-	-	57.47	10.40	0.00	57.47
61.10	-	-	-	57.44	10.40	0.00	57.44
61.15	-	-	-	57.42	10.40	0.00	57.42
61.20	-	-	-	57.39	10.40	0.00	57.39
61.25	-	-	-	57.37	10.40	0.00	57.37
61.30	-	-	-	57.34	10.40	0.00	57.34
61.35	-	-	-	57.32	10.40	0.00	57.32
61.40	-	-	-	57.29	10.40	0.00	57.29
61.45	-	-	-	57.27	10.40	0.00	57.27
61.50	-	-	-	57.24	10.40	0.00	57.24
61.55	-	-	-	57.22	10.40	0.00	57.22
61.60	-	-	-	57.19	10.40	0.00	57.19
61.65	-	-	-	57.17	10.40	0.00	57.17
61.70	-	-	-	57.14	10.40	0.00	57.14
61.75	-	-	-	57.12	10.40	0.00	57.12
61.80	-	-	-	57.09	10.40	0.00	57.09
61.85	-	-	-	57.07	10.40	0.00	57.07
61.90	-	-	-	57.04	10.40	0.00	57.04
61.95	-	-	-	57.02	10.40	0.00	57.02
62.00	-	-	-	56.99	10.40	0.00	56.99
62.05	-	-	-	56.97	10.40	0.00	56.97
62.10	-	-	-	56.94	10.40	0.00	56.94
62.15	-	-	-	56.92	10.40	0.00	56.92
62.20	-	-	-	56.90	10.40	0.00	56.90
62.25	-	-	-	56.87	10.40	0.00	56.87
62.30	-	-	-	56.85	10.40	0.00	56.85
62.35	-	-	-	56.82	10.40	0.00	56.82
62.40	-	-	-	56.80	10.40	0.00	56.80
62.45	-	-	-	56.77	10.40	0.00	56.77
62.50	-	-	-	56.75	10.40	0.00	56.75
62.55	-	-	-	56.72	10.40	0.00	56.72
62.60	-	-	-	56.70	10.40	0.00	56.70
62.65	-	-	-	56.67	10.40	0.00	56.67
62.70	-	-	-	56.65	10.40	0.00	56.65
62.75	-	-	-	56.62	10.40	0.00	56.62
62.80	-	-	-	56.60	10.40	0.00	56.60
62.85	-	-	-	56.57	10.40	0.00	56.57
62.90	-	-	-	56.55	10.40	0.00	56.55

62.95	-	-	-	56.53	10.40	0.00	56.53
63.00	-	-	-	56.50	10.40	0.00	56.50
63.05	-	-	-	56.48	10.40	0.00	56.48
63.10	-	-	-	56.45	10.40	0.00	56.45
63.15	-	-	-	56.43	10.40	0.00	56.43
63.20	-	-	-	56.40	10.40	0.00	56.40
63.25	-	-	-	56.38	10.40	0.00	56.38
63.30	-	-	-	56.35	10.40	0.00	56.35
63.35	-	-	-	56.33	10.40	0.00	56.33
63.40	-	-	-	56.31	10.40	0.00	56.31
63.45	-	-	-	56.28	10.40	0.00	56.28
63.50	-	-	-	56.26	10.40	0.00	56.26
63.55	-	-	-	56.23	10.40	0.00	56.23
63.60	-	-	-	56.21	10.40	0.00	56.21
63.65	-	-	-	56.18	10.40	0.00	56.18
63.70	-	-	-	56.16	10.40	0.00	56.16
63.75	-	-	-	56.14	10.40	0.00	56.14
63.80	-	-	-	56.11	10.40	0.00	56.11
63.85	-	-	-	56.09	10.40	0.00	56.09
63.90	-	-	-	56.06	10.40	0.00	56.06
63.95	-	-	-	56.04	10.40	0.00	56.04
64.00	-	-	-	56.02	10.40	0.00	56.02
64.05	-	-	-	55.99	10.40	0.00	55.99
64.10	-	-	-	55.97	10.40	0.00	55.97
64.15	-	-	-	55.94	10.40	0.00	55.94
64.20	-	-	-	55.92	10.40	0.00	55.92
64.25	-	-	-	55.89	10.40	0.00	55.89
64.30	-	-	-	55.87	10.40	0.00	55.87
64.35	-	-	-	55.85	10.40	0.00	55.85
64.40	-	-	-	55.82	10.40	0.00	55.82
64.45	-	-	-	55.80	10.40	0.00	55.80
64.50	-	-	-	55.78	10.40	0.00	55.78
64.55	-	-	-	55.75	10.40	0.00	55.75
64.60	-	-	-	55.73	10.40	0.00	55.73
64.65	-	-	-	55.70	10.40	0.00	55.70
64.70	-	-	-	55.68	10.40	0.00	55.68
64.75	-	-	-	55.66	10.40	0.00	55.66
64.80	-	-	-	55.63	10.40	0.00	55.63
64.85	-	-	-	55.61	10.40	0.00	55.61
64.90	-	-	-	55.58	10.40	0.00	55.58
64.95	-	-	-	55.56	10.40	0.00	55.56
65.00	-	-	-	55.54	10.40	0.00	55.54

(N1)60s has been fines corrected in liquefaction analysis, therefore d(N1)60=0.
Fines=NoLiq means the soils are not liquefiable.

Settlement of Saturated Sands:
Settlement Analysis Method: Tokimatsu, M-correction

Depth ft	CSRsf	/ MSF*	=CSRm	F.S.	Fines %	(N1)60s	Dr %	ec %	dsz in.	dsp in.	S in.
64.95	0.66	1.30	0.51	0.91	10.40	55.56	100.00	0.000	0.0E0	0.000	0.000
64.90	0.66	1.30	0.51	0.91	10.40	55.58	100.00	0.000	0.0E0	0.000	0.000
64.85	0.66	1.30	0.51	0.90	10.40	55.61	100.00	0.000	0.0E0	0.000	0.000
64.80	0.66	1.30	0.51	0.90	10.40	55.63	100.00	0.000	0.0E0	0.000	0.000
64.75	0.66	1.30	0.51	0.90	10.40	55.66	100.00	0.000	0.0E0	0.000	0.000
64.70	0.66	1.30	0.51	0.90	10.40	55.68	100.00	0.000	0.0E0	0.000	0.000
64.65	0.66	1.30	0.51	0.90	10.40	55.70	100.00	0.000	0.0E0	0.000	0.000
64.60	0.66	1.30	0.51	0.90	10.40	55.73	100.00	0.000	0.0E0	0.000	0.000
64.55	0.66	1.30	0.51	0.90	10.40	55.75	100.00	0.000	0.0E0	0.000	0.000
64.50	0.66	1.30	0.51	0.90	10.40	55.78	100.00	0.000	0.0E0	0.000	0.000
64.45	0.66	1.30	0.51	0.90	10.40	55.80	100.00	0.000	0.0E0	0.000	0.000
64.40	0.66	1.30	0.51	0.90	10.40	55.82	100.00	0.000	0.0E0	0.000	0.000
64.35	0.66	1.30	0.51	0.90	10.40	55.85	100.00	0.000	0.0E0	0.000	0.000
64.30	0.66	1.30	0.51	0.90	10.40	55.87	100.00	0.000	0.0E0	0.000	0.000
64.25	0.66	1.30	0.51	0.90	10.40	55.89	100.00	0.000	0.0E0	0.000	0.000
64.20	0.66	1.30	0.51	0.90	10.40	55.92	100.00	0.000	0.0E0	0.000	0.000
64.15	0.66	1.30	0.51	0.90	10.40	55.94	100.00	0.000	0.0E0	0.000	0.000
64.10	0.66	1.30	0.51	0.90	10.40	55.97	100.00	0.000	0.0E0	0.000	0.000
64.05	0.66	1.30	0.51	0.90	10.40	55.99	100.00	0.000	0.0E0	0.000	0.000
64.00	0.66	1.30	0.51	0.90	10.40	56.02	100.00	0.000	0.0E0	0.000	0.000
63.95	0.66	1.30	0.51	0.90	10.40	56.04	100.00	0.000	0.0E0	0.000	0.000

63.90	0.66	1.30	0.51	0.90	10.40	56.06	100.00	0.000	0.0E0	0.000	0.000
63.85	0.66	1.30	0.51	0.90	10.40	56.09	100.00	0.000	0.0E0	0.000	0.000
63.80	0.67	1.30	0.51	0.90	10.40	56.11	100.00	0.000	0.0E0	0.000	0.000
63.75	0.67	1.30	0.51	0.90	10.40	56.14	100.00	0.000	0.0E0	0.000	0.000
63.70	0.67	1.30	0.51	0.90	10.40	56.16	100.00	0.000	0.0E0	0.000	0.000
63.65	0.67	1.30	0.51	0.90	10.40	56.18	100.00	0.000	0.0E0	0.000	0.000
63.60	0.67	1.30	0.51	0.90	10.40	56.21	100.00	0.000	0.0E0	0.000	0.000
63.55	0.67	1.30	0.51	0.90	10.40	56.23	100.00	0.000	0.0E0	0.000	0.000
63.50	0.67	1.30	0.51	0.89	10.40	56.26	100.00	0.000	0.0E0	0.000	0.000
63.45	0.67	1.30	0.51	0.89	10.40	56.28	100.00	0.000	0.0E0	0.000	0.000
63.40	0.67	1.30	0.51	0.89	10.40	56.31	100.00	0.000	0.0E0	0.000	0.000
63.35	0.67	1.30	0.51	0.89	10.40	56.33	100.00	0.000	0.0E0	0.000	0.000
63.30	0.67	1.30	0.51	0.89	10.40	56.35	100.00	0.000	0.0E0	0.000	0.000
63.25	0.67	1.30	0.51	0.89	10.40	56.38	100.00	0.000	0.0E0	0.000	0.000
63.20	0.67	1.30	0.51	0.89	10.40	56.40	100.00	0.000	0.0E0	0.000	0.000
63.15	0.67	1.30	0.52	0.89	10.40	56.43	100.00	0.000	0.0E0	0.000	0.000
63.10	0.67	1.30	0.52	0.89	10.40	56.45	100.00	0.000	0.0E0	0.000	0.000
63.05	0.67	1.30	0.52	0.89	10.40	56.48	100.00	0.000	0.0E0	0.000	0.000
63.00	0.67	1.30	0.52	0.89	10.40	56.50	100.00	0.000	0.0E0	0.000	0.000
62.95	0.67	1.30	0.52	0.89	10.40	56.53	100.00	0.000	0.0E0	0.000	0.000
62.90	0.67	1.30	0.52	0.89	10.40	56.55	100.00	0.000	0.0E0	0.000	0.000
62.85	0.67	1.30	0.52	0.89	10.40	56.57	100.00	0.000	0.0E0	0.000	0.000
62.80	0.67	1.30	0.52	0.89	10.40	56.60	100.00	0.000	0.0E0	0.000	0.000
62.75	0.67	1.30	0.52	0.89	10.40	56.62	100.00	0.000	0.0E0	0.000	0.000
62.70	0.67	1.30	0.52	0.89	10.40	56.65	100.00	0.000	0.0E0	0.000	0.000
62.65	0.67	1.30	0.52	0.89	10.40	56.67	100.00	0.000	0.0E0	0.000	0.000
62.60	0.67	1.30	0.52	0.89	10.40	56.70	100.00	0.000	0.0E0	0.000	0.000
62.55	0.67	1.30	0.52	0.89	10.40	56.72	100.00	0.000	0.0E0	0.000	0.000
62.50	0.67	1.30	0.52	0.89	10.40	56.75	100.00	0.000	0.0E0	0.000	0.000
62.45	0.67	1.30	0.52	0.89	10.40	56.77	100.00	0.000	0.0E0	0.000	0.000
62.40	0.67	1.30	0.52	0.89	10.40	56.80	100.00	0.000	0.0E0	0.000	0.000
62.35	0.67	1.30	0.52	0.89	10.40	56.82	100.00	0.000	0.0E0	0.000	0.000
62.30	0.68	1.30	0.52	0.89	10.40	56.85	100.00	0.000	0.0E0	0.000	0.000
62.25	0.68	1.30	0.52	0.89	10.40	56.87	100.00	0.000	0.0E0	0.000	0.000
62.20	0.68	1.30	0.52	0.89	10.40	56.90	100.00	0.000	0.0E0	0.000	0.000
62.15	0.68	1.30	0.52	0.89	10.40	56.92	100.00	0.000	0.0E0	0.000	0.000
62.10	0.68	1.30	0.52	0.88	10.40	56.94	100.00	0.000	0.0E0	0.000	0.000
62.05	0.68	1.30	0.52	0.88	10.40	56.97	100.00	0.000	0.0E0	0.000	0.000
62.00	0.68	1.30	0.52	0.88	10.40	56.99	100.00	0.000	0.0E0	0.000	0.000
61.95	0.68	1.30	0.52	0.88	10.40	57.02	100.00	0.000	0.0E0	0.000	0.000
61.90	0.68	1.30	0.52	0.88	10.40	57.04	100.00	0.000	0.0E0	0.000	0.000
61.85	0.68	1.30	0.52	0.88	10.40	57.07	100.00	0.000	0.0E0	0.000	0.000
61.80	0.68	1.30	0.52	0.88	10.40	57.09	100.00	0.000	0.0E0	0.000	0.000
61.75	0.68	1.30	0.52	0.88	10.40	57.12	100.00	0.000	0.0E0	0.000	0.000
61.70	0.68	1.30	0.52	0.88	10.40	57.14	100.00	0.000	0.0E0	0.000	0.000
61.65	0.68	1.30	0.52	0.88	10.40	57.17	100.00	0.000	0.0E0	0.000	0.000
61.60	0.68	1.30	0.52	0.88	10.40	57.19	100.00	0.000	0.0E0	0.000	0.000
61.55	0.68	1.30	0.52	0.88	10.40	57.22	100.00	0.000	0.0E0	0.000	0.000
61.50	0.68	1.30	0.52	0.88	10.40	57.24	100.00	0.000	0.0E0	0.000	0.000
61.45	0.68	1.30	0.52	0.88	10.40	57.27	100.00	0.000	0.0E0	0.000	0.000
61.40	0.68	1.30	0.52	0.88	10.40	57.29	100.00	0.000	0.0E0	0.000	0.000
61.35	0.68	1.30	0.52	0.88	10.40	57.32	100.00	0.000	0.0E0	0.000	0.000
61.30	0.68	1.30	0.52	0.88	10.40	57.34	100.00	0.000	0.0E0	0.000	0.000
61.25	0.68	1.30	0.52	0.88	10.40	57.37	100.00	0.000	0.0E0	0.000	0.000
61.20	0.68	1.30	0.53	0.88	10.40	57.39	100.00	0.000	0.0E0	0.000	0.000
61.15	0.68	1.30	0.53	0.88	10.40	57.42	100.00	0.000	0.0E0	0.000	0.000
61.10	0.68	1.30	0.53	0.88	10.40	57.44	100.00	0.000	0.0E0	0.000	0.000
61.05	0.68	1.30	0.53	0.88	10.40	57.47	100.00	0.000	0.0E0	0.000	0.000
61.00	0.68	1.30	0.53	0.88	10.40	57.50	100.00	0.000	0.0E0	0.000	0.000
60.95	0.68	1.30	0.53	0.88	10.40	57.52	100.00	0.000	0.0E0	0.000	0.000
60.90	0.68	1.30	0.53	0.88	10.40	57.55	100.00	0.000	0.0E0	0.000	0.000
60.85	0.68	1.30	0.53	0.88	10.40	57.57	100.00	0.000	0.0E0	0.000	0.000
60.80	0.69	1.30	0.53	0.88	10.40	57.60	100.00	0.000	0.0E0	0.000	0.000
60.75	0.69	1.30	0.53	0.88	10.40	57.62	100.00	0.000	0.0E0	0.000	0.000
60.70	0.69	1.30	0.53	0.88	10.40	57.65	100.00	0.000	0.0E0	0.000	0.000
60.65	0.69	1.30	0.53	0.87	10.40	57.67	100.00	0.000	0.0E0	0.000	0.000
60.60	0.69	1.30	0.53	0.87	10.40	57.70	100.00	0.000	0.0E0	0.000	0.000
60.55	0.69	1.30	0.53	0.87	10.40	57.72	100.00	0.000	0.0E0	0.000	0.000
60.50	0.69	1.30	0.53	0.87	10.40	57.75	100.00	0.000	0.0E0	0.000	0.000
60.45	0.69	1.30	0.53	0.87	10.40	57.77	100.00	0.000	0.0E0	0.000	0.000
60.40	0.69	1.30	0.53	0.87	10.40	57.80	100.00	0.000	0.0E0	0.000	0.000
60.35	0.69	1.30	0.53	0.87	10.40	57.82	100.00	0.000	0.0E0	0.000	0.000
60.30	0.69	1.30	0.53	0.87	10.40	57.85	100.00	0.000	0.0E0	0.000	0.000

60.25	0.69	1.30	0.53	0.87	10.40	57.88	100.00	0.000	0.0E0	0.000	0.000
60.20	0.69	1.30	0.53	0.87	10.40	57.90	100.00	0.000	0.0E0	0.000	0.000
60.15	0.69	1.30	0.53	0.87	10.40	57.93	100.00	0.000	0.0E0	0.000	0.000
60.10	0.69	1.30	0.53	0.87	10.40	57.95	100.00	0.000	0.0E0	0.000	0.000
60.05	0.69	1.30	0.53	0.87	10.40	57.98	100.00	0.000	0.0E0	0.000	0.000
60.00	0.69	1.30	0.53	0.87	10.40	58.00	100.00	0.000	0.0E0	0.000	0.000
59.95	0.69	1.30	0.53	0.87	10.40	58.03	100.00	0.000	0.0E0	0.000	0.000
59.90	0.69	1.30	0.53	0.87	10.40	58.05	100.00	0.000	0.0E0	0.000	0.000
59.85	0.69	1.30	0.53	0.87	10.40	58.08	100.00	0.000	0.0E0	0.000	0.000
59.80	0.69	1.30	0.53	0.87	10.40	58.11	100.00	0.000	0.0E0	0.000	0.000
59.75	0.69	1.30	0.53	0.87	10.40	58.13	100.00	0.000	0.0E0	0.000	0.000
59.70	0.69	1.30	0.53	0.87	10.40	58.16	100.00	0.000	0.0E0	0.000	0.000
59.65	0.69	1.30	0.53	0.87	10.40	58.18	100.00	0.000	0.0E0	0.000	0.000
59.60	0.69	1.30	0.53	0.87	10.40	58.21	100.00	0.000	0.0E0	0.000	0.000
59.55	0.69	1.30	0.53	0.87	10.40	58.23	100.00	0.000	0.0E0	0.000	0.000
59.50	0.69	1.30	0.53	0.87	10.40	58.26	100.00	0.000	0.0E0	0.000	0.000
59.45	0.69	1.30	0.53	0.87	10.40	58.29	100.00	0.000	0.0E0	0.000	0.000
59.40	0.69	1.30	0.53	0.87	10.40	58.31	100.00	0.000	0.0E0	0.000	0.000
59.35	0.69	1.30	0.53	0.87	10.40	58.34	100.00	0.000	0.0E0	0.000	0.000
59.30	0.69	1.30	0.53	0.87	10.40	58.36	100.00	0.000	0.0E0	0.000	0.000
59.25	0.70	1.30	0.54	0.87	10.40	58.39	100.00	0.000	0.0E0	0.000	0.000
59.20	0.70	1.30	0.54	0.87	10.40	58.42	100.00	0.000	0.0E0	0.000	0.000
59.15	0.70	1.30	0.54	0.87	10.40	58.44	100.00	0.000	0.0E0	0.000	0.000
59.10	0.70	1.30	0.54	0.86	10.40	58.47	100.00	0.000	0.0E0	0.000	0.000
59.05	0.70	1.30	0.54	0.86	10.40	58.49	100.00	0.000	0.0E0	0.000	0.000
59.00	0.70	1.30	0.54	0.86	10.40	58.52	100.00	0.000	0.0E0	0.000	0.000
58.95	0.70	1.30	0.54	0.86	10.40	58.54	100.00	0.000	0.0E0	0.000	0.000
58.90	0.70	1.30	0.54	0.86	10.40	58.57	100.00	0.000	0.0E0	0.000	0.000
58.85	0.70	1.30	0.54	0.86	10.40	58.60	100.00	0.000	0.0E0	0.000	0.000
58.80	0.70	1.30	0.54	0.86	10.40	58.62	100.00	0.000	0.0E0	0.000	0.000
58.75	0.70	1.30	0.54	0.86	10.40	58.65	100.00	0.000	0.0E0	0.000	0.000
58.70	0.70	1.30	0.54	0.86	10.40	58.67	100.00	0.000	0.0E0	0.000	0.000
58.65	0.70	1.30	0.54	0.86	10.40	58.70	100.00	0.000	0.0E0	0.000	0.000
58.60	0.70	1.30	0.54	0.86	10.40	58.73	100.00	0.000	0.0E0	0.000	0.000
58.55	0.70	1.30	0.54	0.86	10.40	58.75	100.00	0.000	0.0E0	0.000	0.000
58.50	0.70	1.30	0.54	0.86	10.40	58.78	100.00	0.000	0.0E0	0.000	0.000
58.45	0.70	1.30	0.54	0.86	10.40	58.80	100.00	0.000	0.0E0	0.000	0.000
58.40	0.70	1.30	0.54	0.86	10.40	58.83	100.00	0.000	0.0E0	0.000	0.000
58.35	0.70	1.30	0.54	0.86	10.40	58.86	100.00	0.000	0.0E0	0.000	0.000
58.30	0.70	1.30	0.54	0.86	10.40	58.88	100.00	0.000	0.0E0	0.000	0.000
58.25	0.70	1.30	0.54	0.86	10.40	58.91	100.00	0.000	0.0E0	0.000	0.000
58.20	0.70	1.30	0.54	0.86	10.40	58.93	100.00	0.000	0.0E0	0.000	0.000
58.15	0.70	1.30	0.54	0.86	10.40	58.96	100.00	0.000	0.0E0	0.000	0.000
58.10	0.70	1.30	0.54	0.86	10.40	58.99	100.00	0.000	0.0E0	0.000	0.000
58.05	0.70	1.30	0.54	0.86	10.40	59.01	100.00	0.000	0.0E0	0.000	0.000
58.00	0.70	1.30	0.54	0.86	10.40	59.04	100.00	0.000	0.0E0	0.000	0.000
57.95	0.70	1.30	0.54	0.86	10.40	59.06	100.00	0.000	0.0E0	0.000	0.000
57.90	0.70	1.30	0.54	0.86	10.40	59.09	100.00	0.000	0.0E0	0.000	0.000
57.85	0.70	1.30	0.54	0.86	10.40	59.12	100.00	0.000	0.0E0	0.000	0.000
57.80	0.70	1.30	0.54	0.86	10.40	59.14	100.00	0.000	0.0E0	0.000	0.000
57.75	0.70	1.30	0.54	0.86	10.40	59.17	100.00	0.000	0.0E0	0.000	0.000
57.70	0.71	1.30	0.54	0.86	10.40	59.20	100.00	0.000	0.0E0	0.000	0.000
57.65	0.71	1.30	0.54	0.86	10.40	59.22	100.00	0.000	0.0E0	0.000	0.000
57.60	0.71	1.30	0.54	0.86	10.40	59.25	100.00	0.000	0.0E0	0.000	0.000
57.55	0.71	1.30	0.54	0.86	10.40	59.27	100.00	0.000	0.0E0	0.000	0.000
57.50	0.71	1.30	0.54	0.85	10.40	59.30	100.00	0.000	0.0E0	0.000	0.000
57.45	0.71	1.30	0.54	0.85	10.40	59.33	100.00	0.000	0.0E0	0.000	0.000
57.40	0.71	1.30	0.54	0.85	10.40	59.35	100.00	0.000	0.0E0	0.000	0.000
57.35	0.71	1.30	0.54	0.85	10.40	59.38	100.00	0.000	0.0E0	0.000	0.000
57.30	0.71	1.30	0.54	0.85	10.40	59.41	100.00	0.000	0.0E0	0.000	0.000
57.25	0.71	1.30	0.55	0.85	10.40	59.43	100.00	0.000	0.0E0	0.000	0.000
57.20	0.71	1.30	0.55	0.85	10.40	59.46	100.00	0.000	0.0E0	0.000	0.000
57.15	0.71	1.30	0.55	0.85	10.40	59.48	100.00	0.000	0.0E0	0.000	0.000
57.10	0.71	1.30	0.55	0.85	10.40	59.51	100.00	0.000	0.0E0	0.000	0.000
57.05	0.71	1.30	0.55	0.85	10.40	59.54	100.00	0.000	0.0E0	0.000	0.000
57.00	0.71	1.30	0.55	0.85	10.40	59.56	100.00	0.000	0.0E0	0.000	0.000
56.95	0.71	1.30	0.55	0.85	10.40	59.59	100.00	0.000	0.0E0	0.000	0.000
56.90	0.71	1.30	0.55	0.85	10.40	59.62	100.00	0.000	0.0E0	0.000	0.000
56.85	0.71	1.30	0.55	0.85	10.40	59.64	100.00	0.000	0.0E0	0.000	0.000
56.80	0.71	1.30	0.55	0.85	10.40	59.67	100.00	0.000	0.0E0	0.000	0.000
56.75	0.71	1.30	0.55	0.85	10.40	59.70	100.00	0.000	0.0E0	0.000	0.000
56.70	0.71	1.30	0.55	0.85	10.40	59.72	100.00	0.000	0.0E0	0.000	0.000
56.65	0.71	1.30	0.55	0.85	10.40	59.75	100.00	0.000	0.0E0	0.000	0.000

56.60	0.71	1.30	0.55	0.85	10.40	59.78	100.00	0.000	0.0E0	0.000	0.000
56.55	0.71	1.30	0.55	0.85	10.40	59.80	100.00	0.000	0.0E0	0.000	0.000
56.50	0.71	1.30	0.55	0.85	10.40	59.83	100.00	0.000	0.0E0	0.000	0.000
56.45	0.71	1.30	0.55	0.85	10.40	59.85	100.00	0.000	0.0E0	0.000	0.000
56.40	0.71	1.30	0.55	0.85	10.40	59.88	100.00	0.000	0.0E0	0.000	0.000
56.35	0.71	1.30	0.55	0.85	10.40	59.91	100.00	0.000	0.0E0	0.000	0.000
56.30	0.71	1.30	0.55	0.85	10.40	59.93	100.00	0.000	0.0E0	0.000	0.000
56.25	0.71	1.30	0.55	0.85	10.40	59.96	100.00	0.000	0.0E0	0.000	0.000
56.20	0.71	1.30	0.55	0.85	10.40	59.99	100.00	0.000	0.0E0	0.000	0.000
56.15	0.72	1.30	0.55	0.85	10.40	60.01	100.00	0.000	0.0E0	0.000	0.000
56.10	0.72	1.30	0.55	0.85	10.40	60.04	100.00	0.000	0.0E0	0.000	0.000
56.05	0.72	1.30	0.55	0.85	10.40	60.07	100.00	0.000	0.0E0	0.000	0.000
56.00	0.72	1.30	0.55	0.85	10.40	60.09	100.00	0.000	0.0E0	0.000	0.000
55.95	0.72	1.30	0.55	0.85	10.40	60.12	100.00	0.000	0.0E0	0.000	0.000
55.90	0.72	1.30	0.55	0.85	10.40	60.15	100.00	0.000	0.0E0	0.000	0.000
55.85	0.72	1.30	0.55	0.85	10.40	60.17	100.00	0.000	0.0E0	0.000	0.000
55.80	0.72	1.30	0.55	0.84	10.40	60.20	100.00	0.000	0.0E0	0.000	0.000
55.75	0.72	1.30	0.55	0.84	10.40	60.23	100.00	0.000	0.0E0	0.000	0.000
55.70	0.72	1.30	0.55	0.84	10.40	60.25	100.00	0.000	0.0E0	0.000	0.000
55.65	0.72	1.30	0.55	0.84	10.40	60.28	100.00	0.000	0.0E0	0.000	0.000
55.60	0.72	1.30	0.55	0.84	10.40	60.31	100.00	0.000	0.0E0	0.000	0.000
55.55	0.72	1.30	0.55	0.84	10.40	60.33	100.00	0.000	0.0E0	0.000	0.000
55.50	0.72	1.30	0.55	0.84	10.40	60.36	100.00	0.000	0.0E0	0.000	0.000
55.45	0.72	1.30	0.55	0.84	10.40	60.39	100.00	0.000	0.0E0	0.000	0.000
55.40	0.72	1.30	0.55	0.84	10.40	60.42	100.00	0.000	0.0E0	0.000	0.000
55.35	0.72	1.30	0.55	0.84	10.40	60.44	100.00	0.000	0.0E0	0.000	0.000
55.30	0.72	1.30	0.55	0.84	10.40	60.47	100.00	0.000	0.0E0	0.000	0.000
55.25	0.72	1.30	0.55	0.84	10.40	60.50	100.00	0.000	0.0E0	0.000	0.000
55.20	0.72	1.30	0.55	0.84	10.40	60.52	100.00	0.000	0.0E0	0.000	0.000
55.15	0.72	1.30	0.56	0.84	10.40	60.55	100.00	0.000	0.0E0	0.000	0.000
55.10	0.72	1.30	0.56	0.84	10.40	60.58	100.00	0.000	0.0E0	0.000	0.000
55.05	0.72	1.30	0.56	0.84	10.40	60.60	100.00	0.000	0.0E0	0.000	0.000
55.00	0.72	1.30	0.56	0.84	10.40	60.63	100.00	0.000	0.0E0	0.000	0.000
54.95	0.72	1.30	0.56	0.84	10.40	60.64	100.00	0.000	0.0E0	0.000	0.000
54.90	0.72	1.30	0.56	0.84	10.40	60.66	100.00	0.000	0.0E0	0.000	0.000
54.85	0.72	1.30	0.56	0.84	10.40	60.67	100.00	0.000	0.0E0	0.000	0.000
54.80	0.72	1.30	0.56	0.84	10.40	60.69	100.00	0.000	0.0E0	0.000	0.000
54.75	0.72	1.30	0.56	0.84	10.40	60.70	100.00	0.000	0.0E0	0.000	0.000
54.70	0.72	1.30	0.56	0.84	10.40	60.71	100.00	0.000	0.0E0	0.000	0.000
54.65	0.72	1.30	0.56	0.84	10.40	60.73	100.00	0.000	0.0E0	0.000	0.000
54.60	0.72	1.30	0.56	0.84	10.40	60.74	100.00	0.000	0.0E0	0.000	0.000
54.55	0.72	1.30	0.56	0.84	10.40	60.76	100.00	0.000	0.0E0	0.000	0.000
54.50	0.73	1.30	0.56	0.84	10.40	60.77	100.00	0.000	0.0E0	0.000	0.000
54.45	0.73	1.30	0.56	0.84	10.40	60.79	100.00	0.000	0.0E0	0.000	0.000
54.40	0.73	1.30	0.56	0.84	10.40	60.80	100.00	0.000	0.0E0	0.000	0.000
54.35	0.73	1.30	0.56	0.84	10.40	60.82	100.00	0.000	0.0E0	0.000	0.000
54.30	0.73	1.30	0.56	0.84	10.40	60.83	100.00	0.000	0.0E0	0.000	0.000
54.25	0.73	1.30	0.56	0.84	10.40	60.85	100.00	0.000	0.0E0	0.000	0.000
54.20	0.73	1.30	0.56	0.84	10.40	60.86	100.00	0.000	0.0E0	0.000	0.000
54.15	0.73	1.30	0.56	0.84	10.40	60.88	100.00	0.000	0.0E0	0.000	0.000
54.10	0.73	1.30	0.56	0.84	10.40	60.89	100.00	0.000	0.0E0	0.000	0.000
54.05	0.73	1.30	0.56	0.84	10.40	60.91	100.00	0.000	0.0E0	0.000	0.000
54.00	0.73	1.30	0.56	0.83	10.40	60.92	100.00	0.000	0.0E0	0.000	0.000
53.95	0.73	1.30	0.56	0.83	10.40	60.94	100.00	0.000	0.0E0	0.000	0.000
53.90	0.73	1.30	0.56	0.83	10.40	60.95	100.00	0.000	0.0E0	0.000	0.000
53.85	0.73	1.30	0.56	0.83	10.40	60.97	100.00	0.000	0.0E0	0.000	0.000
53.80	0.73	1.30	0.56	0.83	10.40	60.99	100.00	0.000	0.0E0	0.000	0.000
53.75	0.73	1.30	0.56	0.83	10.40	61.00	100.00	0.000	0.0E0	0.000	0.000
53.70	0.73	1.30	0.56	0.83	10.40	61.02	100.00	0.000	0.0E0	0.000	0.000
53.65	0.73	1.30	0.56	0.83	10.40	61.04	100.00	0.000	0.0E0	0.000	0.000
53.60	0.73	1.30	0.56	0.83	10.40	61.05	100.00	0.000	0.0E0	0.000	0.000
53.55	0.73	1.30	0.56	0.83	10.40	61.07	100.00	0.000	0.0E0	0.000	0.000
53.50	0.73	1.30	0.56	0.83	10.40	61.08	100.00	0.000	0.0E0	0.000	0.000
53.45	0.73	1.30	0.56	0.83	10.40	61.10	100.00	0.000	0.0E0	0.000	0.000
53.40	0.73	1.30	0.56	0.83	10.40	61.12	100.00	0.000	0.0E0	0.000	0.000
53.35	0.73	1.30	0.56	0.83	10.40	61.13	100.00	0.000	0.0E0	0.000	0.000
53.30	0.73	1.30	0.56	0.83	10.40	61.15	100.00	0.000	0.0E0	0.000	0.000
53.25	0.73	1.30	0.56	0.83	10.40	61.17	100.00	0.000	0.0E0	0.000	0.000
53.20	0.73	1.30	0.56	0.83	10.40	61.19	100.00	0.000	0.0E0	0.000	0.000
53.15	0.73	1.30	0.57	0.83	10.40	61.20	100.00	0.000	0.0E0	0.000	0.000
53.10	0.73	1.30	0.57	0.83	10.40	61.22	100.00	0.000	0.0E0	0.000	0.000
53.05	0.73	1.30	0.57	0.83	10.40	61.24	100.00	0.000	0.0E0	0.000	0.000
53.00	0.74	1.30	0.57	0.83	10.40	61.26	100.00	0.000	0.0E0	0.000	0.000

52.95	0.74	1.30	0.57	0.83	10.40	61.27	100.00	0.000	0.0E0	0.000	0.000
52.90	0.74	1.30	0.57	0.83	10.40	61.29	100.00	0.000	0.0E0	0.000	0.000
52.85	0.74	1.30	0.57	0.83	10.40	61.31	100.00	0.000	0.0E0	0.000	0.000
52.80	0.74	1.30	0.57	0.83	10.40	61.33	100.00	0.000	0.0E0	0.000	0.000
52.75	0.74	1.30	0.57	0.83	10.40	61.34	100.00	0.000	0.0E0	0.000	0.000
52.70	0.74	1.30	0.57	0.83	10.40	61.36	100.00	0.000	0.0E0	0.000	0.000
52.65	0.74	1.30	0.57	0.83	10.40	61.38	100.00	0.000	0.0E0	0.000	0.000
52.60	0.74	1.30	0.57	0.83	10.40	61.40	100.00	0.000	0.0E0	0.000	0.000
52.55	0.74	1.30	0.57	0.83	10.40	61.42	100.00	0.000	0.0E0	0.000	0.000
52.50	0.74	1.30	0.57	0.83	10.40	61.44	100.00	0.000	0.0E0	0.000	0.000
52.45	0.74	1.30	0.57	0.83	10.40	61.46	100.00	0.000	0.0E0	0.000	0.000
52.40	0.74	1.30	0.57	0.83	10.40	61.47	100.00	0.000	0.0E0	0.000	0.000
52.35	0.74	1.30	0.57	0.83	10.40	61.49	100.00	0.000	0.0E0	0.000	0.000
52.30	0.74	1.30	0.57	0.82	10.40	61.51	100.00	0.000	0.0E0	0.000	0.000
52.25	0.74	1.30	0.57	0.82	10.40	61.53	100.00	0.000	0.0E0	0.000	0.000
52.20	0.74	1.30	0.57	0.82	10.40	61.55	100.00	0.000	0.0E0	0.000	0.000
52.15	0.74	1.30	0.57	0.82	10.40	61.57	100.00	0.000	0.0E0	0.000	0.000
52.10	0.74	1.30	0.57	0.82	10.40	61.59	100.00	0.000	0.0E0	0.000	0.000
52.05	0.74	1.30	0.57	0.82	10.40	61.61	100.00	0.000	0.0E0	0.000	0.000
52.00	0.74	1.30	0.57	0.82	10.40	61.63	100.00	0.000	0.0E0	0.000	0.000
51.95	0.74	1.30	0.57	0.82	10.40	61.65	100.00	0.000	0.0E0	0.000	0.000
51.90	0.74	1.30	0.57	0.82	10.40	61.67	100.00	0.000	0.0E0	0.000	0.000
51.85	0.74	1.30	0.57	0.82	10.40	61.69	100.00	0.000	0.0E0	0.000	0.000
51.80	0.74	1.30	0.57	0.82	10.40	61.71	100.00	0.000	0.0E0	0.000	0.000
51.75	0.74	1.30	0.57	0.82	10.40	61.73	100.00	0.000	0.0E0	0.000	0.000
51.70	0.74	1.30	0.57	0.82	10.40	61.75	100.00	0.000	0.0E0	0.000	0.000
51.65	0.75	1.30	0.57	0.82	10.40	61.77	100.00	0.000	0.0E0	0.000	0.000
51.60	0.75	1.30	0.57	0.82	10.40	61.79	100.00	0.000	0.0E0	0.000	0.000
51.55	0.75	1.30	0.57	0.82	10.40	61.81	100.00	0.000	0.0E0	0.000	0.000
51.50	0.75	1.30	0.57	0.82	10.40	61.83	100.00	0.000	0.0E0	0.000	0.000
51.45	0.75	1.30	0.57	0.82	10.40	61.85	100.00	0.000	0.0E0	0.000	0.000
51.40	0.75	1.30	0.58	0.82	10.40	61.87	100.00	0.000	0.0E0	0.000	0.000
51.35	0.75	1.30	0.58	0.82	10.40	61.89	100.00	0.000	0.0E0	0.000	0.000
51.30	0.75	1.30	0.58	0.82	10.40	61.91	100.00	0.000	0.0E0	0.000	0.000
51.25	0.75	1.30	0.58	0.82	10.40	61.94	100.00	0.000	0.0E0	0.000	0.000
51.20	0.75	1.30	0.58	0.82	10.40	61.96	100.00	0.000	0.0E0	0.000	0.000
51.15	0.75	1.30	0.58	0.82	10.40	61.98	100.00	0.000	0.0E0	0.000	0.000
51.10	0.75	1.30	0.58	0.82	10.40	62.00	100.00	0.000	0.0E0	0.000	0.000
51.05	0.75	1.30	0.58	0.82	10.40	62.02	100.00	0.000	0.0E0	0.000	0.000
51.00	0.75	1.30	0.58	0.82	10.40	62.04	100.00	0.000	0.0E0	0.000	0.000
50.95	0.75	1.30	0.58	0.82	10.40	62.07	100.00	0.000	0.0E0	0.000	0.000
50.90	0.75	1.30	0.58	0.82	10.40	62.09	100.00	0.000	0.0E0	0.000	0.000
50.85	0.75	1.30	0.58	0.82	10.40	62.11	100.00	0.000	0.0E0	0.000	0.000
50.80	0.75	1.30	0.58	0.82	10.40	62.13	100.00	0.000	0.0E0	0.000	0.000
50.75	0.75	1.30	0.58	0.82	10.40	62.15	100.00	0.000	0.0E0	0.000	0.000
50.70	0.75	1.30	0.58	0.81	10.40	62.18	100.00	0.000	0.0E0	0.000	0.000
50.65	0.75	1.30	0.58	0.81	10.40	62.20	100.00	0.000	0.0E0	0.000	0.000
50.60	0.75	1.30	0.58	0.81	10.40	62.22	100.00	0.000	0.0E0	0.000	0.000
50.55	0.75	1.30	0.58	0.81	10.40	62.24	100.00	0.000	0.0E0	0.000	0.000
50.50	0.75	1.30	0.58	0.81	10.40	62.27	100.00	0.000	0.0E0	0.000	0.000
50.45	0.76	1.30	0.58	0.81	10.40	62.29	100.00	0.000	0.0E0	0.000	0.000
50.40	0.76	1.30	0.58	0.81	10.40	62.31	100.00	0.000	0.0E0	0.000	0.000
50.35	0.76	1.30	0.58	0.81	10.40	62.34	100.00	0.000	0.0E0	0.000	0.000
50.30	0.76	1.30	0.58	0.81	10.40	62.36	100.00	0.000	0.0E0	0.000	0.000
50.25	0.76	1.30	0.58	0.81	10.40	62.38	100.00	0.000	0.0E0	0.000	0.000
50.20	0.76	1.30	0.58	0.81	10.40	62.41	100.00	0.000	0.0E0	0.000	0.000
50.15	0.76	1.30	0.58	0.81	10.40	62.43	100.00	0.000	0.0E0	0.000	0.000
50.10	0.76	1.30	0.58	0.81	10.40	62.46	100.00	0.000	0.0E0	0.000	0.000
50.05	0.76	1.30	0.58	0.81	10.40	62.48	100.00	0.000	0.0E0	0.000	0.000
50.00	0.76	1.30	0.58	0.81	10.41	62.51	100.00	0.000	0.0E0	0.000	0.000
49.95	0.76	1.30	0.58	0.81	11.31	62.88	100.00	0.000	0.0E0	0.000	0.000
49.90	0.76	1.30	0.58	0.81	12.22	63.26	100.00	0.000	0.0E0	0.000	0.000
49.85	0.76	1.30	0.59	0.81	13.13	63.64	100.00	0.000	0.0E0	0.000	0.000
49.80	0.76	1.30	0.59	0.81	14.03	64.01	100.00	0.000	0.0E0	0.000	0.000
49.75	0.76	1.30	0.59	0.81	14.94	64.37	100.00	0.000	0.0E0	0.000	0.000
49.70	0.76	1.30	0.59	0.81	15.84	64.71	100.00	0.000	0.0E0	0.000	0.000
49.65	0.76	1.30	0.59	0.81	16.75	65.04	100.00	0.000	0.0E0	0.000	0.000
49.60	0.76	1.30	0.59	0.81	17.66	65.36	100.00	0.000	0.0E0	0.000	0.000
49.55	0.76	1.30	0.59	0.81	18.56	65.67	100.00	0.000	0.0E0	0.000	0.000
49.50	0.76	1.30	0.59	0.81	19.47	65.97	100.00	0.000	0.0E0	0.000	0.000
49.45	0.76	1.30	0.59	0.81	20.37	66.26	100.00	0.000	0.0E0	0.000	0.000
49.40	0.76	1.30	0.59	0.81	21.28	66.54	100.00	0.000	0.0E0	0.000	0.000
49.35	0.76	1.30	0.59	0.81	22.19	66.81	100.00	0.000	0.0E0	0.000	0.000

49.30	0.77	1.30	0.59	0.81	23.09	67.07	100.00	0.000	0.0E0	0.000	0.000
49.25	0.77	1.30	0.59	0.80	24.00	67.33	100.00	0.000	0.0E0	0.000	0.000
49.20	0.77	1.30	0.59	0.80	24.90	67.58	100.00	0.000	0.0E0	0.000	0.000
49.15	0.77	1.30	0.59	0.80	25.81	67.83	100.00	0.000	0.0E0	0.000	0.000
49.10	0.77	1.30	0.59	0.80	26.72	68.08	100.00	0.000	0.0E0	0.000	0.000
49.05	0.77	1.30	0.59	0.80	27.62	68.32	100.00	0.000	0.0E0	0.000	0.000
49.00	0.77	1.30	0.59	0.80	28.53	68.56	100.00	0.000	0.0E0	0.000	0.000
48.95	0.77	1.30	0.59	0.80	29.43	68.80	100.00	0.000	0.0E0	0.000	0.000
48.90	0.77	1.30	0.59	0.80	30.34	69.04	100.00	0.000	0.0E0	0.000	0.000
48.85	0.77	1.30	0.59	0.80	31.25	69.27	100.00	0.000	0.0E0	0.000	0.000
48.80	0.77	1.30	0.59	0.80	32.15	69.51	100.00	0.000	0.0E0	0.000	0.000
48.75	0.77	1.30	0.59	0.80	33.06	69.74	100.00	0.000	0.0E0	0.000	0.000
48.70	0.77	1.30	0.59	0.80	33.96	69.97	100.00	0.000	0.0E0	0.000	0.000
48.65	0.77	1.30	0.59	0.80	34.87	70.20	100.00	0.000	0.0E0	0.000	0.000
48.60	0.77	1.30	0.59	0.80	35.78	70.20	100.00	0.000	0.0E0	0.000	0.000
48.55	0.77	1.30	0.59	0.80	36.68	69.95	100.00	0.000	0.0E0	0.000	0.000
48.50	0.77	1.30	0.59	0.80	37.59	69.70	100.00	0.000	0.0E0	0.000	0.000
48.45	0.77	1.30	0.59	0.80	38.49	69.46	100.00	0.000	0.0E0	0.000	0.000
48.40	0.77	1.30	0.60	0.80	39.40	69.21	100.00	0.000	0.0E0	0.000	0.000
48.35	0.77	1.30	0.60	0.80	40.31	68.96	100.00	0.000	0.0E0	0.000	0.000
48.30	0.77	1.30	0.60	0.80	41.21	68.71	100.00	0.000	0.0E0	0.000	0.000
48.25	0.77	1.30	0.60	0.80	42.12	68.46	100.00	0.000	0.0E0	0.000	0.000
48.20	0.78	1.30	0.60	0.80	43.02	68.21	100.00	0.000	0.0E0	0.000	0.000
48.15	0.78	1.30	0.60	0.80	43.93	67.96	100.00	0.000	0.0E0	0.000	0.000
48.10	0.78	1.30	0.60	0.80	44.84	67.71	100.00	0.000	0.0E0	0.000	0.000
48.05	0.78	1.30	0.60	0.80	45.74	67.46	100.00	0.000	0.0E0	0.000	0.000
48.00	0.78	1.30	0.60	0.80	46.65	67.20	100.00	0.000	0.0E0	0.000	0.000
47.95	0.78	1.30	0.60	0.80	47.55	66.95	100.00	0.000	0.0E0	0.000	0.000
47.90	0.78	1.30	0.60	0.80	48.46	66.70	100.00	0.000	0.0E0	0.000	0.000
47.85	0.78	1.30	0.60	0.80	49.37	66.45	100.00	0.000	0.0E0	0.000	0.000
47.80	0.78	1.30	0.60	0.80	50.27	66.20	100.00	0.000	0.0E0	0.000	0.000
47.75	0.78	1.30	0.60	0.79	51.18	65.95	100.00	0.000	0.0E0	0.000	0.000
47.70	0.78	1.30	0.60	0.79	52.08	65.70	100.00	0.000	0.0E0	0.000	0.000
47.65	0.78	1.30	0.60	0.79	52.99	65.44	100.00	0.000	0.0E0	0.000	0.000
47.60	0.78	1.30	0.60	0.79	53.90	65.19	100.00	0.000	0.0E0	0.000	0.000
47.55	0.78	1.30	0.60	0.79	54.80	64.94	100.00	0.000	0.0E0	0.000	0.000
47.50	0.78	1.30	0.60	0.79	55.71	64.69	100.00	0.000	0.0E0	0.000	0.000
47.45	0.78	1.30	0.60	0.79	56.61	64.43	100.00	0.000	0.0E0	0.000	0.000
47.40	0.78	1.30	0.60	0.79	57.52	64.18	100.00	0.000	0.0E0	0.000	0.000
47.35	0.78	1.30	0.60	0.79	58.43	63.93	100.00	0.000	0.0E0	0.000	0.000
47.30	0.78	1.30	0.60	0.79	59.33	63.67	100.00	0.000	0.0E0	0.000	0.000
47.25	0.78	1.30	0.60	0.79	60.24	63.42	100.00	0.000	0.0E0	0.000	0.000
47.20	0.78	1.30	0.60	0.79	61.14	63.17	100.00	0.000	0.0E0	0.000	0.000
47.15	0.78	1.30	0.60	0.79	62.05	62.91	100.00	0.000	0.0E0	0.000	0.000
47.10	0.79	1.30	0.60	0.79	62.96	62.66	100.00	0.000	0.0E0	0.000	0.000
47.05	0.79	1.30	0.60	0.79	63.86	62.41	100.00	0.000	0.0E0	0.000	0.000
47.00	0.79	1.30	0.61	0.79	64.77	62.15	100.00	0.000	0.0E0	0.000	0.000
46.95	0.79	1.30	0.61	0.79	65.67	61.90	100.00	0.000	0.0E0	0.000	0.000
46.90	0.79	1.30	0.61	0.79	66.58	61.64	100.00	0.000	0.0E0	0.000	0.000
46.85	0.79	1.30	0.61	0.79	67.49	61.39	100.00	0.000	0.0E0	0.000	0.000
46.80	0.79	1.30	0.61	0.79	68.39	61.13	100.00	0.000	0.0E0	0.000	0.000
46.75	0.79	1.30	0.61	0.79	69.30	60.88	100.00	0.000	0.0E0	0.000	0.000
46.70	0.79	1.30	0.61	0.79	70.20	60.62	100.00	0.000	0.0E0	0.000	0.000
46.65	0.79	1.30	0.61	0.79	71.11	60.36	100.00	0.000	0.0E0	0.000	0.000
46.60	0.79	1.30	0.61	0.79	72.02	60.11	100.00	0.000	0.0E0	0.000	0.000
46.55	0.79	1.30	0.61	0.79	72.92	59.85	100.00	0.000	0.0E0	0.000	0.000
46.50	0.79	1.30	0.61	0.79	73.83	59.60	100.00	0.000	0.0E0	0.000	0.000
46.45	0.79	1.30	0.61	0.79	74.73	59.34	100.00	0.000	0.0E0	0.000	0.000
46.40	0.79	1.30	0.61	0.79	75.64	59.08	100.00	0.000	0.0E0	0.000	0.000
46.35	0.79	1.30	0.61	0.79	76.55	58.82	100.00	0.000	0.0E0	0.000	0.000
46.30	0.79	1.30	0.61	0.79	77.45	58.57	100.00	0.000	0.0E0	0.000	0.000
46.25	0.79	1.30	0.61	0.78	78.36	58.31	100.00	0.000	0.0E0	0.000	0.000
46.20	0.79	1.30	0.61	0.78	79.26	58.05	100.00	0.000	0.0E0	0.000	0.000
46.15	0.79	1.30	0.61	0.78	80.17	57.79	100.00	0.000	0.0E0	0.000	0.000
46.10	0.79	1.30	0.61	0.78	81.08	57.54	100.00	0.000	0.0E0	0.000	0.000
46.05	0.80	1.30	0.61	0.78	81.98	57.28	100.00	0.000	0.0E0	0.000	0.000
46.00	0.80	1.30	0.61	0.78	82.89	57.02	100.00	0.000	0.0E0	0.000	0.000
45.95	0.80	1.30	0.61	0.78	83.79	56.76	100.00	0.000	0.0E0	0.000	0.000
45.90	0.80	1.30	0.61	0.78	84.70	56.50	100.00	0.000	0.0E0	0.000	0.000
45.85	0.80	1.30	0.61	0.78	85.61	56.24	100.00	0.000	0.0E0	0.000	0.000
45.80	0.80	1.30	0.61	0.78	86.51	55.98	100.00	0.000	0.0E0	0.000	0.000
45.75	0.80	1.30	0.61	0.78	87.42	55.72	100.00	0.000	0.0E0	0.000	0.000
45.70	0.80	1.30	0.61	0.78	88.32	55.47	100.00	0.000	0.0E0	0.000	0.000

45.65	0.80	1.30	0.62	0.78	89.23	55.21	100.00	0.000	0.0E0	0.000	0.000
45.60	0.80	1.30	0.62	0.78	90.14	54.95	100.00	0.000	0.0E0	0.000	0.000
45.55	0.80	1.30	0.62	0.78	91.04	54.69	100.00	0.000	0.0E0	0.000	0.000
45.50	0.80	1.30	0.62	0.78	91.95	54.42	100.00	0.000	0.0E0	0.000	0.000
45.45	0.80	1.30	0.62	0.78	92.85	54.16	100.00	0.000	0.0E0	0.000	0.000
45.40	0.80	1.30	0.62	0.78	93.76	53.90	100.00	0.000	0.0E0	0.000	0.000
45.35	0.80	1.30	0.62	0.78	94.67	53.64	100.00	0.000	0.0E0	0.000	0.000
45.30	0.80	1.30	0.62	0.78	95.57	53.38	100.00	0.000	0.0E0	0.000	0.000
45.25	0.80	1.30	0.62	0.78	96.48	53.12	100.00	0.000	0.0E0	0.000	0.000
45.20	0.80	1.30	0.62	0.78	97.38	52.86	100.00	0.000	0.0E0	0.000	0.000
45.15	0.80	1.30	0.62	0.78	98.29	52.60	100.00	0.000	0.0E0	0.000	0.000
45.10	0.80	1.30	0.62	0.78	99.20	52.33	100.00	0.000	0.0E0	0.000	0.000
45.05	0.81	1.30	0.62	0.78	NoLiq	52.07	100.00	0.000	0.0E0	0.000	0.000
45.00	0.81	1.30	0.62	5.00	NoLiq	51.81	100.00	0.000	0.0E0	0.000	0.000
44.95	0.81	1.30	0.62	5.00	NoLiq	51.83	100.00	0.000	0.0E0	0.000	0.000
44.90	0.81	1.30	0.62	5.00	NoLiq	51.85	100.00	0.000	0.0E0	0.000	0.000
44.85	0.81	1.30	0.62	5.00	NoLiq	51.87	100.00	0.000	0.0E0	0.000	0.000
44.80	0.81	1.30	0.62	5.00	NoLiq	51.90	100.00	0.000	0.0E0	0.000	0.000
44.75	0.81	1.30	0.62	5.00	NoLiq	51.92	100.00	0.000	0.0E0	0.000	0.000
44.70	0.81	1.30	0.62	5.00	NoLiq	51.94	100.00	0.000	0.0E0	0.000	0.000
44.65	0.81	1.30	0.62	5.00	NoLiq	51.96	100.00	0.000	0.0E0	0.000	0.000
44.60	0.81	1.30	0.62	5.00	NoLiq	51.98	100.00	0.000	0.0E0	0.000	0.000
44.55	0.81	1.30	0.62	5.00	NoLiq	52.00	100.00	0.000	0.0E0	0.000	0.000
44.50	0.81	1.30	0.62	5.00	NoLiq	52.02	100.00	0.000	0.0E0	0.000	0.000
44.45	0.81	1.30	0.62	5.00	NoLiq	52.05	100.00	0.000	0.0E0	0.000	0.000
44.40	0.81	1.30	0.62	5.00	NoLiq	52.07	100.00	0.000	0.0E0	0.000	0.000
44.35	0.81	1.30	0.63	5.00	NoLiq	52.09	100.00	0.000	0.0E0	0.000	0.000
44.30	0.81	1.30	0.63	5.00	NoLiq	52.11	100.00	0.000	0.0E0	0.000	0.000
44.25	0.81	1.30	0.63	5.00	NoLiq	52.13	100.00	0.000	0.0E0	0.000	0.000
44.20	0.81	1.30	0.63	5.00	NoLiq	52.15	100.00	0.000	0.0E0	0.000	0.000
44.15	0.81	1.30	0.63	5.00	NoLiq	52.17	100.00	0.000	0.0E0	0.000	0.000
44.10	0.81	1.30	0.63	5.00	NoLiq	52.19	100.00	0.000	0.0E0	0.000	0.000
44.05	0.81	1.30	0.63	5.00	NoLiq	52.22	100.00	0.000	0.0E0	0.000	0.000
44.00	0.82	1.30	0.63	5.00	NoLiq	52.24	100.00	0.000	0.0E0	0.000	0.000
43.95	0.82	1.30	0.63	5.00	NoLiq	52.26	100.00	0.000	0.0E0	0.000	0.000
43.90	0.82	1.30	0.63	5.00	NoLiq	52.28	100.00	0.000	0.0E0	0.000	0.000
43.85	0.82	1.30	0.63	5.00	NoLiq	52.30	100.00	0.000	0.0E0	0.000	0.000
43.80	0.82	1.30	0.63	5.00	NoLiq	52.32	100.00	0.000	0.0E0	0.000	0.000
43.75	0.82	1.30	0.63	5.00	NoLiq	52.34	100.00	0.000	0.0E0	0.000	0.000
43.70	0.82	1.30	0.63	5.00	NoLiq	52.36	100.00	0.000	0.0E0	0.000	0.000
43.65	0.82	1.30	0.63	5.00	NoLiq	52.39	100.00	0.000	0.0E0	0.000	0.000
43.60	0.82	1.30	0.63	5.00	NoLiq	52.41	100.00	0.000	0.0E0	0.000	0.000
43.55	0.82	1.30	0.63	5.00	NoLiq	52.43	100.00	0.000	0.0E0	0.000	0.000
43.50	0.82	1.30	0.63	5.00	NoLiq	52.45	100.00	0.000	0.0E0	0.000	0.000
43.45	0.82	1.30	0.63	5.00	NoLiq	52.47	100.00	0.000	0.0E0	0.000	0.000
43.40	0.82	1.30	0.63	5.00	NoLiq	52.49	100.00	0.000	0.0E0	0.000	0.000
43.35	0.82	1.30	0.63	5.00	NoLiq	52.51	100.00	0.000	0.0E0	0.000	0.000
43.30	0.82	1.30	0.63	5.00	NoLiq	52.53	100.00	0.000	0.0E0	0.000	0.000
43.25	0.82	1.30	0.63	5.00	NoLiq	52.55	100.00	0.000	0.0E0	0.000	0.000
43.20	0.82	1.30	0.63	5.00	NoLiq	52.58	100.00	0.000	0.0E0	0.000	0.000
43.15	0.82	1.30	0.63	5.00	NoLiq	52.60	100.00	0.000	0.0E0	0.000	0.000
43.10	0.82	1.30	0.63	5.00	NoLiq	52.62	100.00	0.000	0.0E0	0.000	0.000
43.05	0.82	1.30	0.63	5.00	NoLiq	52.64	100.00	0.000	0.0E0	0.000	0.000
43.00	0.82	1.30	0.63	5.00	NoLiq	52.66	100.00	0.000	0.0E0	0.000	0.000
42.95	0.83	1.30	0.64	5.00	NoLiq	52.68	100.00	0.000	0.0E0	0.000	0.000
42.90	0.83	1.30	0.64	5.00	NoLiq	52.70	100.00	0.000	0.0E0	0.000	0.000
42.85	0.83	1.30	0.64	5.00	NoLiq	52.72	100.00	0.000	0.0E0	0.000	0.000
42.80	0.83	1.30	0.64	5.00	NoLiq	52.74	100.00	0.000	0.0E0	0.000	0.000
42.75	0.83	1.30	0.64	5.00	NoLiq	52.76	100.00	0.000	0.0E0	0.000	0.000
42.70	0.83	1.30	0.64	5.00	NoLiq	52.79	100.00	0.000	0.0E0	0.000	0.000
42.65	0.83	1.30	0.64	5.00	NoLiq	52.81	100.00	0.000	0.0E0	0.000	0.000
42.60	0.83	1.30	0.64	5.00	NoLiq	52.83	100.00	0.000	0.0E0	0.000	0.000
42.55	0.83	1.30	0.64	5.00	NoLiq	52.85	100.00	0.000	0.0E0	0.000	0.000
42.50	0.83	1.30	0.64	5.00	NoLiq	52.87	100.00	0.000	0.0E0	0.000	0.000
42.45	0.83	1.30	0.64	5.00	NoLiq	52.89	100.00	0.000	0.0E0	0.000	0.000
42.40	0.83	1.30	0.64	5.00	NoLiq	52.91	100.00	0.000	0.0E0	0.000	0.000
42.35	0.83	1.30	0.64	5.00	NoLiq	52.93	100.00	0.000	0.0E0	0.000	0.000
42.30	0.83	1.30	0.64	5.00	NoLiq	52.95	100.00	0.000	0.0E0	0.000	0.000
42.25	0.83	1.30	0.64	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	0.000
42.20	0.83	1.30	0.64	5.00	NoLiq	52.99	100.00	0.000	0.0E0	0.000	0.000
42.15	0.83	1.30	0.64	5.00	NoLiq	53.01	100.00	0.000	0.0E0	0.000	0.000
42.10	0.83	1.30	0.64	5.00	NoLiq	53.03	100.00	0.000	0.0E0	0.000	0.000
42.05	0.83	1.30	0.64	5.00	NoLiq	53.06	100.00	0.000	0.0E0	0.000	0.000

42.00	0.83	1.30	0.64	5.00	NoLiq	53.08	100.00	0.000	0.0E0	0.000	0.000
41.95	0.83	1.30	0.64	5.00	NoLiq	53.10	100.00	0.000	0.0E0	0.000	0.000
41.90	0.83	1.30	0.64	5.00	NoLiq	53.12	100.00	0.000	0.0E0	0.000	0.000
41.85	0.84	1.30	0.64	5.00	NoLiq	53.14	100.00	0.000	0.0E0	0.000	0.000
41.80	0.84	1.30	0.64	5.00	NoLiq	53.16	100.00	0.000	0.0E0	0.000	0.000
41.75	0.84	1.30	0.64	5.00	NoLiq	53.18	100.00	0.000	0.0E0	0.000	0.000
41.70	0.84	1.30	0.64	5.00	NoLiq	53.20	100.00	0.000	0.0E0	0.000	0.000
41.65	0.84	1.30	0.64	5.00	NoLiq	53.22	100.00	0.000	0.0E0	0.000	0.000
41.60	0.84	1.30	0.64	5.00	NoLiq	53.24	100.00	0.000	0.0E0	0.000	0.000
41.55	0.84	1.30	0.64	5.00	NoLiq	53.26	100.00	0.000	0.0E0	0.000	0.000
41.50	0.84	1.30	0.65	5.00	NoLiq	53.28	100.00	0.000	0.0E0	0.000	0.000
41.45	0.84	1.30	0.65	5.00	NoLiq	53.30	100.00	0.000	0.0E0	0.000	0.000
41.40	0.84	1.30	0.65	5.00	NoLiq	53.32	100.00	0.000	0.0E0	0.000	0.000
41.35	0.84	1.30	0.65	5.00	NoLiq	53.34	100.00	0.000	0.0E0	0.000	0.000
41.30	0.84	1.30	0.65	5.00	NoLiq	53.36	100.00	0.000	0.0E0	0.000	0.000
41.25	0.84	1.30	0.65	5.00	NoLiq	53.38	100.00	0.000	0.0E0	0.000	0.000
41.20	0.84	1.30	0.65	5.00	NoLiq	53.41	100.00	0.000	0.0E0	0.000	0.000
41.15	0.84	1.30	0.65	5.00	NoLiq	53.43	100.00	0.000	0.0E0	0.000	0.000
41.10	0.84	1.30	0.65	5.00	NoLiq	53.45	100.00	0.000	0.0E0	0.000	0.000
41.05	0.84	1.30	0.65	5.00	NoLiq	53.47	100.00	0.000	0.0E0	0.000	0.000
41.00	0.84	1.30	0.65	5.00	NoLiq	53.49	100.00	0.000	0.0E0	0.000	0.000
40.95	0.84	1.30	0.65	5.00	NoLiq	53.51	100.00	0.000	0.0E0	0.000	0.000
40.90	0.84	1.30	0.65	5.00	NoLiq	53.53	100.00	0.000	0.0E0	0.000	0.000
40.85	0.84	1.30	0.65	5.00	NoLiq	53.55	100.00	0.000	0.0E0	0.000	0.000
40.80	0.84	1.30	0.65	5.00	NoLiq	53.57	100.00	0.000	0.0E0	0.000	0.000
40.75	0.84	1.30	0.65	5.00	NoLiq	53.59	100.00	0.000	0.0E0	0.000	0.000
40.70	0.85	1.30	0.65	5.00	NoLiq	53.61	100.00	0.000	0.0E0	0.000	0.000
40.65	0.85	1.30	0.65	5.00	NoLiq	53.63	100.00	0.000	0.0E0	0.000	0.000
40.60	0.85	1.30	0.65	5.00	NoLiq	53.65	100.00	0.000	0.0E0	0.000	0.000
40.55	0.85	1.30	0.65	5.00	NoLiq	53.67	100.00	0.000	0.0E0	0.000	0.000
40.50	0.85	1.30	0.65	5.00	NoLiq	53.69	100.00	0.000	0.0E0	0.000	0.000
40.45	0.85	1.30	0.65	5.00	NoLiq	53.71	100.00	0.000	0.0E0	0.000	0.000
40.40	0.85	1.30	0.65	5.00	NoLiq	53.73	100.00	0.000	0.0E0	0.000	0.000
40.35	0.85	1.30	0.65	5.00	NoLiq	53.75	100.00	0.000	0.0E0	0.000	0.000
40.30	0.85	1.30	0.65	5.00	NoLiq	53.77	100.00	0.000	0.0E0	0.000	0.000
40.25	0.85	1.30	0.65	5.00	NoLiq	53.79	100.00	0.000	0.0E0	0.000	0.000
40.20	0.85	1.30	0.65	5.00	NoLiq	53.81	100.00	0.000	0.0E0	0.000	0.000
40.15	0.85	1.30	0.65	5.00	NoLiq	53.83	100.00	0.000	0.0E0	0.000	0.000
40.10	0.85	1.30	0.65	5.00	NoLiq	53.85	100.00	0.000	0.0E0	0.000	0.000
40.05	0.85	1.30	0.65	5.00	NoLiq	53.87	100.00	0.000	0.0E0	0.000	0.000
40.00	0.85	1.30	0.66	5.00	NoLiq	53.89	100.00	0.000	0.0E0	0.000	0.000
39.95	0.85	1.30	0.66	5.00	NoLiq	53.51	100.00	0.000	0.0E0	0.000	0.000
39.90	0.85	1.30	0.66	5.00	NoLiq	53.12	100.00	0.000	0.0E0	0.000	0.000
39.85	0.85	1.30	0.66	5.00	NoLiq	52.74	100.00	0.000	0.0E0	0.000	0.000
39.80	0.85	1.30	0.66	5.00	NoLiq	52.36	100.00	0.000	0.0E0	0.000	0.000
39.75	0.85	1.30	0.66	5.00	NoLiq	51.98	100.00	0.000	0.0E0	0.000	0.000
39.70	0.85	1.30	0.66	5.00	NoLiq	51.59	100.00	0.000	0.0E0	0.000	0.000
39.65	0.85	1.30	0.66	5.00	NoLiq	51.21	100.00	0.000	0.0E0	0.000	0.000
39.60	0.85	1.30	0.66	5.00	NoLiq	50.83	100.00	0.000	0.0E0	0.000	0.000
39.55	0.85	1.30	0.66	5.00	NoLiq	50.44	100.00	0.000	0.0E0	0.000	0.000
39.50	0.86	1.30	0.66	5.00	NoLiq	50.06	100.00	0.000	0.0E0	0.000	0.000
39.45	0.86	1.30	0.66	5.00	NoLiq	49.67	100.00	0.000	0.0E0	0.000	0.000
39.40	0.86	1.30	0.66	5.00	NoLiq	49.29	100.00	0.000	0.0E0	0.000	0.000
39.35	0.86	1.30	0.66	5.00	NoLiq	48.90	100.00	0.000	0.0E0	0.000	0.000
39.30	0.86	1.30	0.66	5.00	NoLiq	48.52	100.00	0.000	0.0E0	0.000	0.000
39.25	0.86	1.30	0.66	5.00	NoLiq	48.13	100.00	0.000	0.0E0	0.000	0.000
39.20	0.86	1.30	0.66	5.00	NoLiq	47.74	100.00	0.000	0.0E0	0.000	0.000
39.15	0.86	1.30	0.66	5.00	NoLiq	47.36	100.00	0.000	0.0E0	0.000	0.000
39.10	0.86	1.30	0.66	5.00	NoLiq	46.97	100.00	0.000	0.0E0	0.000	0.000
39.05	0.86	1.30	0.66	5.00	NoLiq	46.58	100.00	0.000	0.0E0	0.000	0.000
39.00	0.86	1.30	0.66	5.00	NoLiq	46.20	100.00	0.000	0.0E0	0.000	0.000
38.95	0.86	1.30	0.66	5.00	NoLiq	45.81	100.00	0.000	0.0E0	0.000	0.000
38.90	0.86	1.30	0.66	5.00	NoLiq	45.42	100.00	0.000	0.0E0	0.000	0.000
38.85	0.86	1.30	0.66	5.00	NoLiq	45.03	100.00	0.000	0.0E0	0.000	0.000
38.80	0.86	1.30	0.66	5.00	NoLiq	44.64	100.00	0.000	0.0E0	0.000	0.000
38.75	0.86	1.30	0.66	5.00	NoLiq	44.25	100.00	0.000	0.0E0	0.000	0.000
38.70	0.86	1.30	0.66	5.00	NoLiq	43.86	100.00	0.000	0.0E0	0.000	0.000
38.65	0.86	1.30	0.66	5.00	NoLiq	43.47	100.00	0.000	0.0E0	0.000	0.000
38.60	0.86	1.30	0.66	5.00	NoLiq	43.08	100.00	0.000	0.0E0	0.000	0.000
38.55	0.86	1.30	0.66	5.00	NoLiq	42.69	100.00	0.000	0.0E0	0.000	0.000
38.50	0.86	1.30	0.66	5.00	NoLiq	42.30	100.00	0.000	0.0E0	0.000	0.000
38.45	0.86	1.30	0.66	5.00	NoLiq	41.91	100.00	0.000	0.0E0	0.000	0.000
38.40	0.86	1.30	0.67	5.00	NoLiq	41.52	100.00	0.000	0.0E0	0.000	0.000

38.35	0.86	1.30	0.67	5.00	NoLiq	41.13	100.00	0.000	0.0E0	0.000	0.000
38.30	0.87	1.30	0.67	5.00	NoLiq	40.74	100.00	0.000	0.0E0	0.000	0.000
38.25	0.87	1.30	0.67	5.00	NoLiq	40.35	100.00	0.000	0.0E0	0.000	0.000
38.20	0.87	1.30	0.67	5.00	NoLiq	39.95	100.00	0.000	0.0E0	0.000	0.000
38.15	0.87	1.30	0.67	5.00	NoLiq	39.56	100.00	0.000	0.0E0	0.000	0.000
38.10	0.87	1.30	0.67	5.00	NoLiq	39.17	100.00	0.000	0.0E0	0.000	0.000
38.05	0.87	1.30	0.67	5.00	NoLiq	38.77	100.00	0.000	0.0E0	0.000	0.000
38.00	0.87	1.30	0.67	5.00	NoLiq	38.38	100.00	0.000	0.0E0	0.000	0.000
37.95	0.87	1.30	0.67	5.00	NoLiq	37.99	100.00	0.000	0.0E0	0.000	0.000
37.90	0.87	1.30	0.67	5.00	NoLiq	37.59	100.00	0.000	0.0E0	0.000	0.000
37.85	0.87	1.30	0.67	5.00	NoLiq	37.20	100.00	0.000	0.0E0	0.000	0.000
37.80	0.87	1.30	0.67	5.00	NoLiq	36.80	100.00	0.000	0.0E0	0.000	0.000
37.75	0.87	1.30	0.67	5.00	NoLiq	36.41	100.00	0.106	0.0E0	0.000	0.000
37.70	0.87	1.30	0.67	5.00	NoLiq	36.01	100.00	0.119	0.0E0	0.000	0.000
37.65	0.87	1.30	0.67	5.00	NoLiq	35.61	100.00	0.132	0.0E0	0.000	0.000
37.60	0.87	1.30	0.67	5.00	NoLiq	35.22	100.00	0.145	0.0E0	0.000	0.000
37.55	0.87	1.30	0.67	5.00	NoLiq	34.82	100.00	0.157	0.0E0	0.000	0.000
37.50	0.87	1.30	0.67	5.00	NoLiq	34.42	100.00	0.170	0.0E0	0.000	0.000
37.45	0.87	1.30	0.67	5.00	NoLiq	34.03	99.96	0.183	0.0E0	0.000	0.000
37.40	0.87	1.30	0.67	5.00	NoLiq	33.63	98.90	0.196	0.0E0	0.000	0.000
37.35	0.87	1.30	0.67	5.00	NoLiq	33.23	97.86	0.253	0.0E0	0.000	0.000
37.30	0.87	1.30	0.67	5.00	NoLiq	32.83	96.84	0.330	0.0E0	0.000	0.000
37.25	0.87	1.30	0.67	5.00	NoLiq	32.43	95.83	0.408	0.0E0	0.000	0.000
37.20	0.87	1.30	0.67	5.00	NoLiq	32.03	94.84	0.485	0.0E0	0.000	0.000
37.15	0.87	1.30	0.67	5.00	NoLiq	31.63	93.87	0.541	0.0E0	0.000	0.000
37.10	0.88	1.30	0.67	5.00	NoLiq	31.23	92.91	0.592	0.0E0	0.000	0.000
37.05	0.88	1.30	0.67	5.00	NoLiq	30.83	91.97	0.643	0.0E0	0.000	0.000
37.00	0.88	1.30	0.67	5.00	NoLiq	30.43	91.04	0.694	0.0E0	0.000	0.000
36.95	0.88	1.30	0.67	5.00	NoLiq	30.03	90.13	0.745	0.0E0	0.000	0.000
36.90	0.88	1.30	0.67	5.00	NoLiq	29.63	89.23	0.797	0.0E0	0.000	0.000
36.85	0.88	1.30	0.68	5.00	NoLiq	29.23	88.34	0.848	0.0E0	0.000	0.000
36.80	0.88	1.30	0.68	5.00	NoLiq	28.83	87.47	0.899	0.0E0	0.000	0.000
36.75	0.88	1.30	0.68	5.00	NoLiq	28.42	86.61	0.950	0.0E0	0.000	0.000
36.70	0.88	1.30	0.68	5.00	NoLiq	28.02	85.76	1.001	0.0E0	0.000	0.000
36.65	0.88	1.30	0.68	5.00	NoLiq	27.62	84.92	1.026	0.0E0	0.000	0.000
36.60	0.88	1.30	0.68	5.00	NoLiq	27.22	84.09	1.051	0.0E0	0.000	0.000
36.55	0.88	1.30	0.68	5.00	NoLiq	26.81	83.27	1.076	0.0E0	0.000	0.000
36.50	0.88	1.30	0.68	5.00	NoLiq	26.41	82.46	1.102	0.0E0	0.000	0.000
36.45	0.88	1.30	0.68	5.00	NoLiq	26.00	81.66	1.127	0.0E0	0.000	0.000
36.40	0.88	1.30	0.68	5.00	NoLiq	25.60	80.87	1.152	0.0E0	0.000	0.000
36.35	0.88	1.30	0.68	5.00	NoLiq	25.19	80.09	1.177	0.0E0	0.000	0.000
36.30	0.88	1.30	0.68	5.00	NoLiq	24.79	79.31	1.203	0.0E0	0.000	0.000
36.25	0.88	1.30	0.68	5.00	NoLiq	24.38	78.54	1.228	0.0E0	0.000	0.000
36.20	0.88	1.30	0.68	5.00	NoLiq	23.98	77.78	1.254	0.0E0	0.000	0.000
36.15	0.88	1.30	0.68	5.00	NoLiq	23.57	77.02	1.279	0.0E0	0.000	0.000
36.10	0.88	1.30	0.68	5.00	NoLiq	23.16	76.27	1.304	0.0E0	0.000	0.000
36.05	0.88	1.30	0.68	5.00	NoLiq	22.76	75.52	1.330	0.0E0	0.000	0.000
36.00	0.88	1.30	0.68	5.00	NoLiq	22.35	74.78	1.355	0.0E0	0.000	0.000
35.95	0.88	1.30	0.68	5.00	NoLiq	21.94	74.04	1.381	0.0E0	0.000	0.000
35.90	0.89	1.30	0.68	5.00	NoLiq	21.53	73.30	1.406	0.0E0	0.000	0.000
35.85	0.89	1.30	0.68	5.00	NoLiq	21.12	72.56	1.432	0.0E0	0.000	0.000
35.80	0.89	1.30	0.68	5.00	NoLiq	20.71	71.82	1.457	0.0E0	0.000	0.000
35.75	0.89	1.30	0.68	5.00	NoLiq	20.30	71.09	1.483	0.0E0	0.000	0.000
35.70	0.89	1.30	0.68	5.00	NoLiq	19.89	70.35	1.511	0.0E0	0.000	0.000
35.65	0.89	1.30	0.68	5.00	NoLiq	19.48	69.61	1.546	0.0E0	0.000	0.000
35.60	0.89	1.30	0.68	5.00	NoLiq	19.07	68.87	1.580	0.0E0	0.000	0.000
35.55	0.89	1.30	0.68	5.00	NoLiq	18.66	68.12	1.615	0.0E0	0.000	0.000
35.50	0.89	1.30	0.68	5.00	NoLiq	18.25	67.38	1.649	0.0E0	0.000	0.000
35.45	0.89	1.30	0.68	5.00	NoLiq	17.84	66.62	1.683	0.0E0	0.000	0.000
35.40	0.89	1.30	0.68	5.00	NoLiq	17.43	65.87	1.718	0.0E0	0.000	0.000
35.35	0.89	1.30	0.68	5.00	NoLiq	17.02	65.11	1.752	0.0E0	0.000	0.000
35.30	0.89	1.30	0.69	5.00	NoLiq	16.60	64.34	1.787	0.0E0	0.000	0.000
35.25	0.89	1.30	0.69	5.00	NoLiq	16.19	63.56	1.822	0.0E0	0.000	0.000
35.20	0.89	1.30	0.69	5.00	NoLiq	15.78	62.77	1.856	0.0E0	0.000	0.000
35.15	0.89	1.30	0.69	5.00	NoLiq	15.36	61.98	1.891	0.0E0	0.000	0.000
35.10	0.89	1.30	0.69	5.00	NoLiq	14.95	61.17	1.926	0.0E0	0.000	0.000
35.05	0.89	1.30	0.69	5.00	NoLiq	14.53	60.36	1.960	0.0E0	0.000	0.000
35.00	0.89	1.30	0.69	5.00	NoLiq	14.12	59.54	1.995	0.0E0	0.000	0.000
34.95	0.89	1.30	0.69	5.00	NoLiq	14.12	59.54	1.994	0.0E0	0.000	0.000
34.90	0.89	1.30	0.69	5.00	NoLiq	14.13	59.55	1.994	0.0E0	0.000	0.000
34.85	0.89	1.30	0.69	5.00	NoLiq	14.13	59.56	1.994	0.0E0	0.000	0.000
34.80	0.89	1.30	0.69	5.00	NoLiq	14.14	59.57	1.993	0.0E0	0.000	0.000
34.75	0.90	1.30	0.69	5.00	NoLiq	14.14	59.58	1.993	0.0E0	0.000	0.000

34.70	0.90	1.30	0.69	5.00	NoLiq	14.15	59.59	1.993	0.0E0	0.000	0.000
34.65	0.90	1.30	0.69	5.00	NoLiq	14.15	59.60	1.992	0.0E0	0.000	0.000
34.60	0.90	1.30	0.69	5.00	NoLiq	14.15	59.60	1.992	0.0E0	0.000	0.000
34.55	0.90	1.30	0.69	5.00	NoLiq	14.16	59.61	1.992	0.0E0	0.000	0.000
34.50	0.90	1.30	0.69	5.00	NoLiq	14.16	59.62	1.991	0.0E0	0.000	0.000
34.45	0.90	1.30	0.69	5.00	NoLiq	14.17	59.63	1.991	0.0E0	0.000	0.000
34.40	0.90	1.30	0.69	5.00	NoLiq	14.17	59.64	1.990	0.0E0	0.000	0.000
34.35	0.90	1.30	0.69	5.00	NoLiq	14.18	59.65	1.990	0.0E0	0.000	0.000
34.30	0.90	1.30	0.69	5.00	NoLiq	14.18	59.66	1.990	0.0E0	0.000	0.000
34.25	0.90	1.30	0.69	5.00	NoLiq	14.18	59.66	1.989	0.0E0	0.000	0.000
34.20	0.90	1.30	0.69	5.00	NoLiq	14.19	59.67	1.989	0.0E0	0.000	0.000
34.15	0.90	1.30	0.69	5.00	NoLiq	14.19	59.68	1.989	0.0E0	0.000	0.000
34.10	0.90	1.30	0.69	5.00	NoLiq	14.20	59.69	1.988	0.0E0	0.000	0.000
34.05	0.90	1.30	0.69	5.00	NoLiq	14.20	59.70	1.988	0.0E0	0.000	0.000
34.00	0.90	1.30	0.69	5.00	NoLiq	14.21	59.71	1.988	0.0E0	0.000	0.000
33.95	0.90	1.30	0.69	5.00	NoLiq	14.21	59.72	1.987	0.0E0	0.000	0.000
33.90	0.90	1.30	0.69	5.00	NoLiq	14.21	59.72	1.987	0.0E0	0.000	0.000
33.85	0.90	1.30	0.69	5.00	NoLiq	14.22	59.73	1.987	0.0E0	0.000	0.000
33.80	0.90	1.30	0.70	5.00	NoLiq	14.22	59.74	1.986	0.0E0	0.000	0.000
33.75	0.90	1.30	0.70	5.00	NoLiq	14.23	59.75	1.986	0.0E0	0.000	0.000
33.70	0.90	1.30	0.70	5.00	NoLiq	14.23	59.76	1.985	0.0E0	0.000	0.000
33.65	0.90	1.30	0.70	5.00	NoLiq	14.24	59.77	1.985	0.0E0	0.000	0.000
33.60	0.90	1.30	0.70	5.00	NoLiq	14.24	59.78	1.985	0.0E0	0.000	0.000
33.55	0.91	1.30	0.70	5.00	NoLiq	14.24	59.79	1.984	0.0E0	0.000	0.000
33.50	0.91	1.30	0.70	5.00	NoLiq	14.25	59.79	1.984	0.0E0	0.000	0.000
33.45	0.91	1.30	0.70	5.00	NoLiq	14.25	59.80	1.984	0.0E0	0.000	0.000
33.40	0.91	1.30	0.70	5.00	NoLiq	14.26	59.81	1.983	0.0E0	0.000	0.000
33.35	0.91	1.30	0.70	5.00	NoLiq	14.26	59.82	1.983	0.0E0	0.000	0.000
33.30	0.91	1.30	0.70	5.00	NoLiq	14.27	59.83	1.983	0.0E0	0.000	0.000
33.25	0.91	1.30	0.70	5.00	NoLiq	14.27	59.84	1.982	0.0E0	0.000	0.000
33.20	0.91	1.30	0.70	5.00	NoLiq	14.27	59.85	1.982	0.0E0	0.000	0.000
33.15	0.91	1.30	0.70	5.00	NoLiq	14.28	59.85	1.981	0.0E0	0.000	0.000
33.10	0.91	1.30	0.70	5.00	NoLiq	14.28	59.86	1.981	0.0E0	0.000	0.000
33.05	0.91	1.30	0.70	5.00	NoLiq	14.29	59.87	1.981	0.0E0	0.000	0.000
33.00	0.91	1.30	0.70	5.00	NoLiq	14.29	59.88	1.980	0.0E0	0.000	0.000
32.95	0.91	1.30	0.70	5.00	NoLiq	14.30	59.89	1.980	0.0E0	0.000	0.000
32.90	0.91	1.30	0.70	5.00	NoLiq	14.30	59.90	1.980	0.0E0	0.000	0.000
32.85	0.91	1.30	0.70	5.00	NoLiq	14.30	59.91	1.979	0.0E0	0.000	0.000
32.80	0.91	1.30	0.70	5.00	NoLiq	14.31	59.92	1.979	0.0E0	0.000	0.000
32.75	0.91	1.30	0.70	5.00	NoLiq	14.31	59.92	1.979	0.0E0	0.000	0.000
32.70	0.91	1.30	0.70	5.00	NoLiq	14.32	59.93	1.978	0.0E0	0.000	0.000
32.65	0.91	1.30	0.70	5.00	NoLiq	14.32	59.94	1.978	0.0E0	0.000	0.000
32.60	0.91	1.30	0.70	5.00	NoLiq	14.33	59.95	1.977	0.0E0	0.000	0.000
32.55	0.91	1.30	0.70	5.00	NoLiq	14.33	59.96	1.977	0.0E0	0.000	0.000
32.50	0.91	1.30	0.70	5.00	NoLiq	14.34	59.97	1.977	0.0E0	0.000	0.000
32.45	0.91	1.30	0.70	5.00	NoLiq	14.34	59.98	1.976	0.0E0	0.000	0.000
32.40	0.91	1.30	0.70	5.00	NoLiq	14.34	59.99	1.976	0.0E0	0.000	0.000
32.35	0.92	1.30	0.70	5.00	NoLiq	14.35	59.99	1.976	0.0E0	0.000	0.000
32.30	0.92	1.30	0.70	5.00	NoLiq	14.35	60.00	1.975	0.0E0	0.000	0.000
32.25	0.92	1.30	0.71	5.00	NoLiq	14.36	60.01	1.975	0.0E0	0.000	0.000
32.20	0.92	1.30	0.71	5.00	NoLiq	14.36	60.02	1.975	0.0E0	0.000	0.000
32.15	0.92	1.30	0.71	5.00	NoLiq	14.37	60.03	1.974	0.0E0	0.000	0.000
32.10	0.92	1.30	0.71	5.00	NoLiq	14.37	60.04	1.974	0.0E0	0.000	0.000
32.05	0.92	1.30	0.71	5.00	NoLiq	14.38	60.05	1.973	0.0E0	0.000	0.000
32.00	0.92	1.30	0.71	5.00	NoLiq	14.38	60.06	1.973	0.0E0	0.000	0.000
31.95	0.92	1.30	0.71	5.00	NoLiq	14.38	60.06	1.973	0.0E0	0.000	0.000
31.90	0.92	1.30	0.71	5.00	NoLiq	14.39	60.07	1.972	0.0E0	0.000	0.000
31.85	0.92	1.30	0.71	5.00	NoLiq	14.39	60.08	1.972	0.0E0	0.000	0.000
31.80	0.92	1.30	0.71	5.00	NoLiq	14.40	60.09	1.972	0.0E0	0.000	0.000
31.75	0.92	1.30	0.71	5.00	NoLiq	14.40	60.10	1.971	0.0E0	0.000	0.000
31.70	0.92	1.30	0.71	5.00	NoLiq	14.41	60.11	1.971	0.0E0	0.000	0.000
31.65	0.92	1.30	0.71	5.00	NoLiq	14.41	60.12	1.970	0.0E0	0.000	0.000
31.60	0.92	1.30	0.71	5.00	NoLiq	14.42	60.13	1.970	0.0E0	0.000	0.000
31.55	0.92	1.30	0.71	5.00	NoLiq	14.42	60.13	1.970	0.0E0	0.000	0.000
31.50	0.92	1.30	0.71	5.00	NoLiq	14.42	60.14	1.969	0.0E0	0.000	0.000
31.45	0.92	1.30	0.71	5.00	NoLiq	14.43	60.15	1.969	0.0E0	0.000	0.000
31.40	0.92	1.30	0.71	5.00	NoLiq	14.43	60.16	1.969	0.0E0	0.000	0.000
31.35	0.92	1.30	0.71	5.00	NoLiq	14.44	60.17	1.968	0.0E0	0.000	0.000
31.30	0.92	1.30	0.71	5.00	NoLiq	14.44	60.18	1.968	0.0E0	0.000	0.000
31.25	0.92	1.30	0.71	5.00	NoLiq	14.45	60.19	1.967	0.0E0	0.000	0.000
31.20	0.92	1.30	0.71	5.00	NoLiq	14.45	60.20	1.967	0.0E0	0.000	0.000
31.15	0.93	1.30	0.71	5.00	NoLiq	14.46	60.21	1.967	0.0E0	0.000	0.000
31.10	0.93	1.30	0.71	5.00	NoLiq	14.46	60.21	1.966	0.0E0	0.000	0.000

31.05	0.93	1.30	0.71	5.00	NoLiq	14.46	60.22	1.966	0.0E0	0.000	0.000
31.00	0.93	1.30	0.71	5.00	NoLiq	14.47	60.23	1.966	0.0E0	0.000	0.000
30.95	0.93	1.30	0.71	5.00	NoLiq	14.47	60.24	1.965	0.0E0	0.000	0.000
30.90	0.93	1.30	0.71	5.00	NoLiq	14.48	60.25	1.965	0.0E0	0.000	0.000
30.85	0.93	1.30	0.71	5.00	NoLiq	14.48	60.26	1.964	0.0E0	0.000	0.000
30.80	0.93	1.30	0.71	5.00	NoLiq	14.49	60.27	1.964	0.0E0	0.000	0.000
30.75	0.93	1.30	0.71	5.00	NoLiq	14.49	60.28	1.964	0.0E0	0.000	0.000
30.70	0.93	1.30	0.71	5.00	NoLiq	14.50	60.29	1.963	0.0E0	0.000	0.000
30.65	0.93	1.30	0.71	5.00	NoLiq	14.50	60.29	1.963	0.0E0	0.000	0.000
30.60	0.93	1.30	0.72	5.00	NoLiq	14.50	60.30	1.963	0.0E0	0.000	0.000
30.55	0.93	1.30	0.72	5.00	NoLiq	14.51	60.31	1.962	0.0E0	0.000	0.000
30.50	0.93	1.30	0.72	5.00	NoLiq	14.51	60.32	1.962	0.0E0	0.000	0.000
30.45	0.93	1.30	0.72	5.00	NoLiq	14.52	60.33	1.961	0.0E0	0.000	0.000
30.40	0.93	1.30	0.72	5.00	NoLiq	14.52	60.34	1.961	0.0E0	0.000	0.000
30.35	0.93	1.30	0.72	5.00	NoLiq	14.53	60.35	1.961	0.0E0	0.000	0.000
30.30	0.93	1.30	0.72	5.00	NoLiq	14.53	60.36	1.960	0.0E0	0.000	0.000
30.25	0.93	1.30	0.72	5.00	NoLiq	14.54	60.37	1.960	0.0E0	0.000	0.000
30.20	0.93	1.30	0.72	5.00	NoLiq	14.54	60.37	1.960	0.0E0	0.000	0.000
30.15	0.93	1.30	0.72	5.00	NoLiq	14.54	60.38	1.959	0.0E0	0.000	0.000
30.10	0.93	1.30	0.72	5.00	NoLiq	14.55	60.39	1.959	0.0E0	0.000	0.000
30.05	0.93	1.30	0.72	5.00	NoLiq	14.55	60.40	1.958	0.0E0	0.000	0.000
30.00	0.93	1.30	0.72	5.00	NoLiq	14.56	60.41	1.958	0.0E0	0.000	0.000
29.95	0.93	1.30	0.72	5.00	NoLiq	14.52	60.34	1.961	0.0E0	0.000	0.000
29.90	0.93	1.30	0.72	5.00	NoLiq	14.49	60.28	1.964	0.0E0	0.000	0.000
29.85	0.93	1.30	0.72	5.00	NoLiq	14.46	60.21	1.967	0.0E0	0.000	0.000
29.80	0.93	1.30	0.72	5.00	NoLiq	14.42	60.14	1.969	0.0E0	0.000	0.000
29.75	0.93	1.30	0.72	5.00	NoLiq	14.39	60.07	1.972	0.0E0	0.000	0.000
29.70	0.93	1.30	0.72	5.00	NoLiq	14.36	60.01	1.975	0.0E0	0.000	0.000
29.65	0.93	1.30	0.72	5.00	NoLiq	14.32	59.94	1.978	0.0E0	0.000	0.000
29.60	0.93	1.30	0.72	5.00	NoLiq	14.29	59.87	1.981	0.0E0	0.000	0.000
29.55	0.93	1.30	0.72	5.00	NoLiq	14.25	59.80	1.984	0.0E0	0.000	0.000
29.50	0.94	1.30	0.72	5.00	NoLiq	14.22	59.74	1.986	0.0E0	0.000	0.000
29.45	0.94	1.30	0.72	5.00	NoLiq	14.19	59.67	1.989	0.0E0	0.000	0.000
29.40	0.94	1.30	0.72	5.00	NoLiq	14.15	59.60	1.992	0.0E0	0.000	0.000
29.35	0.94	1.30	0.72	5.00	NoLiq	14.12	59.53	1.995	0.0E0	0.000	0.000
29.30	0.94	1.30	0.72	5.00	NoLiq	14.08	59.46	1.998	0.0E0	0.000	0.000
29.25	0.94	1.30	0.72	5.00	NoLiq	14.05	59.39	2.001	0.0E0	0.000	0.000
29.20	0.94	1.30	0.72	5.00	NoLiq	14.02	59.33	2.006	0.0E0	0.000	0.000
29.15	0.94	1.30	0.72	5.00	NoLiq	13.98	59.26	2.010	0.0E0	0.000	0.000
29.10	0.94	1.30	0.72	5.00	NoLiq	13.95	59.19	2.015	0.0E0	0.000	0.000
29.05	0.94	1.30	0.72	5.00	NoLiq	13.91	59.12	2.019	0.0E0	0.000	0.000
29.00	0.94	1.30	0.72	5.00	NoLiq	13.88	59.05	2.024	0.0E0	0.000	0.000
28.95	0.94	1.30	0.72	5.00	NoLiq	13.84	58.98	2.028	0.0E0	0.000	0.000
28.90	0.94	1.30	0.72	5.00	NoLiq	13.81	58.91	2.033	0.0E0	0.000	0.000
28.85	0.94	1.30	0.72	5.00	NoLiq	13.78	58.84	2.037	0.0E0	0.000	0.000
28.80	0.94	1.30	0.72	5.00	NoLiq	13.74	58.77	2.042	0.0E0	0.000	0.000
28.75	0.94	1.30	0.72	5.00	NoLiq	13.71	58.70	2.046	0.0E0	0.000	0.000
28.70	0.94	1.30	0.72	5.00	NoLiq	13.67	58.63	2.051	0.0E0	0.000	0.000
28.65	0.94	1.30	0.72	5.00	NoLiq	13.64	58.56	2.055	0.0E0	0.000	0.000
28.60	0.94	1.30	0.72	5.00	NoLiq	13.60	58.49	2.060	0.0E0	0.000	0.000
28.55	0.94	1.30	0.72	5.00	NoLiq	13.57	58.42	2.064	0.0E0	0.000	0.000
28.50	0.94	1.30	0.72	5.00	NoLiq	13.53	58.35	2.069	0.0E0	0.000	0.000
28.45	0.94	1.30	0.72	5.00	NoLiq	13.50	58.28	2.073	0.0E0	0.000	0.000
28.40	0.94	1.30	0.72	5.00	NoLiq	13.46	58.20	2.078	0.0E0	0.000	0.000
28.35	0.94	1.30	0.72	5.00	NoLiq	13.43	58.13	2.083	0.0E0	0.000	0.000
28.30	0.94	1.30	0.72	5.00	NoLiq	13.39	58.06	2.087	0.0E0	0.000	0.000
28.25	0.94	1.30	0.72	5.00	NoLiq	13.36	57.99	2.092	0.0E0	0.000	0.000
28.20	0.94	1.30	0.72	5.00	NoLiq	13.33	57.92	2.096	0.0E0	0.000	0.000
28.15	0.94	1.30	0.72	5.00	NoLiq	13.29	57.85	2.101	0.0E0	0.000	0.000
28.10	0.94	1.30	0.72	5.00	NoLiq	13.26	57.77	2.105	0.0E0	0.000	0.000
28.05	0.94	1.30	0.72	5.00	NoLiq	13.22	57.70	2.110	0.0E0	0.000	0.000
28.00	0.94	1.30	0.72	5.00	NoLiq	13.19	57.63	2.115	0.0E0	0.000	0.000
27.95	0.94	1.30	0.72	5.00	NoLiq	13.15	57.56	2.119	0.0E0	0.000	0.000
27.90	0.94	1.30	0.72	5.00	NoLiq	13.12	57.48	2.124	0.0E0	0.000	0.000
27.85	0.94	1.30	0.72	5.00	NoLiq	12.68	56.56	2.182	0.0E0	0.000	0.000
27.80	0.94	1.30	0.72	5.00	NoLiq	12.64	56.49	2.186	0.0E0	0.000	0.000
27.75	0.94	1.30	0.72	5.00	NoLiq	12.61	56.42	2.190	0.0E0	0.000	0.000
27.70	0.94	1.30	0.72	5.00	NoLiq	12.58	56.35	2.195	0.0E0	0.000	0.000
27.65	0.94	1.30	0.72	5.00	NoLiq	12.54	56.28	2.199	0.0E0	0.000	0.000
27.60	0.94	1.30	0.72	5.00	NoLiq	12.51	56.21	2.204	0.0E0	0.000	0.000
27.55	0.94	1.30	0.72	5.00	NoLiq	12.48	56.14	2.208	0.0E0	0.000	0.000
27.50	0.94	1.30	0.72	5.00	NoLiq	12.44	56.06	2.212	0.0E0	0.000	0.000
27.45	0.94	1.30	0.72	5.00	NoLiq	12.41	55.99	2.217	0.0E0	0.000	0.000

27.40	0.94	1.30	0.72	5.00	NoLiq	12.38	55.92	2.221	0.0E0	0.000	0.000
27.35	0.94	1.30	0.72	5.00	NoLiq	12.34	55.85	2.226	0.0E0	0.000	0.000
27.30	0.94	1.30	0.72	5.00	NoLiq	12.31	55.78	2.230	0.0E0	0.000	0.000
27.25	0.94	1.30	0.72	5.00	NoLiq	12.27	55.70	2.234	0.0E0	0.000	0.000
27.20	0.94	1.30	0.72	5.00	NoLiq	12.24	55.63	2.239	0.0E0	0.000	0.000
27.15	0.94	1.30	0.72	5.00	NoLiq	12.21	55.56	2.243	0.0E0	0.000	0.000
27.10	0.94	1.30	0.72	5.00	NoLiq	12.17	55.48	2.248	0.0E0	0.000	0.000
27.05	0.94	1.30	0.72	5.00	NoLiq	12.14	55.41	2.252	0.0E0	0.000	0.000
27.00	0.94	1.30	0.72	5.00	NoLiq	12.11	55.34	2.257	0.0E0	0.000	0.000
26.95	0.94	1.30	0.72	5.00	NoLiq	12.07	55.26	2.261	0.0E0	0.000	0.000
26.90	0.94	1.30	0.72	5.00	NoLiq	12.04	55.19	2.266	0.0E0	0.000	0.000
26.85	0.94	1.30	0.72	5.00	NoLiq	12.00	55.12	2.270	0.0E0	0.000	0.000
26.80	0.94	1.30	0.72	5.00	NoLiq	11.97	55.04	2.274	0.0E0	0.000	0.000
26.75	0.94	1.30	0.72	5.00	NoLiq	11.94	54.97	2.279	0.0E0	0.000	0.000
26.70	0.94	1.30	0.72	5.00	NoLiq	11.90	54.89	2.283	0.0E0	0.000	0.000
26.65	0.94	1.30	0.72	5.00	NoLiq	11.87	54.82	2.288	0.0E0	0.000	0.000
26.60	0.94	1.30	0.72	5.00	NoLiq	11.83	54.74	2.292	0.0E0	0.000	0.000
26.55	0.94	1.30	0.72	5.00	NoLiq	11.80	54.67	2.297	0.0E0	0.000	0.000
26.50	0.94	1.30	0.72	5.00	NoLiq	11.77	54.59	2.301	0.0E0	0.000	0.000
26.45	0.94	1.30	0.72	5.00	NoLiq	11.73	54.52	2.306	0.0E0	0.000	0.000
26.40	0.94	1.30	0.72	5.00	NoLiq	11.70	54.44	2.310	0.0E0	0.000	0.000
26.35	0.94	1.30	0.72	5.00	NoLiq	11.66	54.37	2.315	0.0E0	0.000	0.000
26.30	0.94	1.30	0.72	5.00	NoLiq	11.63	54.29	2.319	0.0E0	0.000	0.000
26.25	0.94	1.30	0.72	5.00	NoLiq	11.60	54.22	2.324	0.0E0	0.000	0.000
26.20	0.94	1.30	0.72	5.00	NoLiq	11.56	54.14	2.328	0.0E0	0.000	0.000
26.15	0.94	1.30	0.72	5.00	NoLiq	11.53	54.06	2.333	0.0E0	0.000	0.000
26.10	0.94	1.30	0.72	5.00	NoLiq	11.49	53.99	2.337	0.0E0	0.000	0.000
26.05	0.94	1.30	0.72	5.00	NoLiq	11.46	53.91	2.342	0.0E0	0.000	0.000
26.00	0.94	1.30	0.72	5.00	NoLiq	11.42	53.83	2.346	0.0E0	0.000	0.000
25.95	0.94	1.30	0.72	5.00	NoLiq	11.39	53.76	2.351	0.0E0	0.000	0.000
25.90	0.94	1.30	0.72	5.00	NoLiq	11.35	53.68	2.356	0.0E0	0.000	0.000
25.85	0.94	1.30	0.72	5.00	NoLiq	11.32	53.60	2.360	0.0E0	0.000	0.000
25.80	0.94	1.30	0.72	5.00	NoLiq	11.28	53.52	2.365	0.0E0	0.000	0.000
25.75	0.94	1.30	0.72	5.00	NoLiq	11.25	53.44	2.369	0.0E0	0.000	0.000
25.70	0.94	1.30	0.72	5.00	NoLiq	11.22	53.37	2.374	0.0E0	0.000	0.000
25.65	0.94	1.30	0.72	5.00	NoLiq	11.18	53.29	2.378	0.0E0	0.000	0.000
25.60	0.94	1.30	0.72	5.00	NoLiq	11.15	53.21	2.383	0.0E0	0.000	0.000
25.55	0.94	1.30	0.72	5.00	NoLiq	11.11	53.13	2.387	0.0E0	0.000	0.000
25.50	0.94	1.30	0.72	5.00	NoLiq	11.08	53.05	2.392	0.0E0	0.000	0.000
25.45	0.94	1.30	0.72	5.00	NoLiq	11.04	52.97	2.397	0.0E0	0.000	0.000
25.40	0.94	1.30	0.72	5.00	NoLiq	11.01	52.89	2.401	0.0E0	0.000	0.000
25.35	0.94	1.30	0.73	5.00	NoLiq	10.97	52.81	2.406	0.0E0	0.000	0.000
25.30	0.94	1.30	0.73	5.00	NoLiq	10.94	52.73	2.410	0.0E0	0.000	0.000
25.25	0.94	1.30	0.73	5.00	NoLiq	10.90	52.65	2.415	0.0E0	0.000	0.000
25.20	0.94	1.30	0.73	5.00	NoLiq	10.87	52.57	2.420	0.0E0	0.000	0.000
25.15	0.94	1.30	0.73	5.00	NoLiq	10.83	52.49	2.424	0.0E0	0.000	0.000
25.10	0.94	1.30	0.73	5.00	NoLiq	10.80	52.41	2.429	0.0E0	0.000	0.000
25.05	0.94	1.30	0.73	5.00	NoLiq	10.76	52.33	2.433	0.0E0	0.000	0.000
25.00	0.94	1.30	0.73	5.00	NoLiq	10.73	52.25	2.438	0.0E0	0.000	0.000
24.95	0.94	1.30	0.73	5.00	NoLiq	10.73	52.25	2.438	0.0E0	0.000	0.000
24.90	0.94	1.30	0.73	5.00	NoLiq	10.73	52.26	2.437	0.0E0	0.000	0.000
24.85	0.94	1.30	0.73	5.00	NoLiq	10.74	52.27	2.437	0.0E0	0.000	0.000
24.80	0.94	1.30	0.73	5.00	NoLiq	10.74	52.28	2.436	0.0E0	0.000	0.000
24.75	0.94	1.30	0.73	5.00	NoLiq	10.74	52.28	2.436	0.0E0	0.000	0.000
24.70	0.94	1.30	0.73	5.00	NoLiq	10.74	52.29	2.436	0.0E0	0.000	0.000
24.65	0.94	1.30	0.73	5.00	NoLiq	10.75	52.30	2.435	0.0E0	0.000	0.000
24.60	0.94	1.30	0.73	5.00	NoLiq	10.75	52.30	2.435	0.0E0	0.000	0.000
24.55	0.94	1.30	0.73	5.00	NoLiq	10.75	52.31	2.434	0.0E0	0.000	0.000
24.50	0.94	1.30	0.73	5.00	NoLiq	10.76	52.32	2.434	0.0E0	0.000	0.000
24.45	0.94	1.30	0.73	5.00	NoLiq	10.76	52.32	2.434	0.0E0	0.000	0.000
24.40	0.94	1.30	0.73	5.00	NoLiq	10.76	52.33	2.433	0.0E0	0.000	0.000
24.35	0.94	1.30	0.73	5.00	NoLiq	10.77	52.34	2.433	0.0E0	0.000	0.000
24.30	0.94	1.30	0.73	5.00	NoLiq	10.77	52.35	2.432	0.0E0	0.000	0.000
24.25	0.94	1.30	0.73	5.00	NoLiq	10.77	52.35	2.432	0.0E0	0.000	0.000
24.20	0.94	1.30	0.73	5.00	NoLiq	10.77	52.36	2.432	0.0E0	0.000	0.000
24.15	0.94	1.30	0.73	5.00	NoLiq	10.78	52.37	2.431	0.0E0	0.000	0.000
24.10	0.94	1.30	0.73	5.00	NoLiq	10.78	52.37	2.431	0.0E0	0.000	0.000
24.05	0.94	1.30	0.73	5.00	NoLiq	10.78	52.38	2.430	0.0E0	0.000	0.000
24.00	0.94	1.30	0.73	5.00	NoLiq	10.79	52.39	2.430	0.0E0	0.000	0.000
23.95	0.94	1.30	0.73	5.00	NoLiq	10.79	52.40	2.430	0.0E0	0.000	0.000
23.90	0.94	1.30	0.73	5.00	NoLiq	10.79	52.40	2.429	0.0E0	0.000	0.000
23.85	0.94	1.30	0.73	5.00	NoLiq	10.80	52.41	2.429	0.0E0	0.000	0.000
23.80	0.94	1.30	0.73	5.00	NoLiq	10.80	52.42	2.428	0.0E0	0.000	0.000

23.75	0.94	1.30	0.73	5.00	NoLiq	10.80	52.42	2.428	0.0E0	0.000	0.000
23.70	0.94	1.30	0.73	5.00	NoLiq	10.81	52.43	2.428	0.0E0	0.000	0.000
23.65	0.94	1.30	0.73	5.00	NoLiq	10.81	52.44	2.427	0.0E0	0.000	0.000
23.60	0.94	1.30	0.73	5.00	NoLiq	10.81	52.45	2.427	0.0E0	0.000	0.000
23.55	0.94	1.30	0.73	5.00	NoLiq	10.82	52.45	2.426	0.0E0	0.000	0.000
23.50	0.94	1.30	0.73	5.00	NoLiq	10.82	52.46	2.426	0.0E0	0.000	0.000
23.45	0.94	1.30	0.73	5.00	NoLiq	10.82	52.47	2.426	0.0E0	0.000	0.000
23.40	0.94	1.30	0.73	5.00	NoLiq	10.82	52.47	2.425	0.0E0	0.000	0.000
23.35	0.94	1.30	0.73	5.00	NoLiq	10.83	52.48	2.425	0.0E0	0.000	0.000
23.30	0.94	1.30	0.73	5.00	NoLiq	10.83	52.49	2.424	0.0E0	0.000	0.000
23.25	0.94	1.30	0.73	5.00	NoLiq	10.83	52.50	2.424	0.0E0	0.000	0.000
23.20	0.95	1.30	0.73	5.00	NoLiq	10.84	52.50	2.423	0.0E0	0.000	0.000
23.15	0.95	1.30	0.73	5.00	NoLiq	10.84	52.51	2.423	0.0E0	0.000	0.000
23.10	0.95	1.30	0.73	5.00	NoLiq	10.84	52.52	2.423	0.0E0	0.000	0.000
23.05	0.95	1.30	0.73	5.00	NoLiq	10.85	52.53	2.422	0.0E0	0.000	0.000
23.00	0.95	1.30	0.73	5.00	NoLiq	10.85	52.53	2.422	0.0E0	0.000	0.000
22.95	0.95	1.30	0.73	5.00	NoLiq	10.85	52.54	2.421	0.0E0	0.000	0.000
22.90	0.95	1.30	0.73	5.00	NoLiq	10.86	52.55	2.421	0.0E0	0.000	0.000
22.85	0.95	1.30	0.73	5.00	NoLiq	10.86	52.55	2.421	0.0E0	0.000	0.000
22.80	0.95	1.30	0.73	5.00	NoLiq	10.86	52.56	2.420	0.0E0	0.000	0.000
22.75	0.95	1.30	0.73	5.00	NoLiq	10.87	52.57	2.420	0.0E0	0.000	0.000
22.70	0.95	1.30	0.73	5.00	NoLiq	10.87	52.58	2.419	0.0E0	0.000	0.000
22.65	0.95	1.30	0.73	5.00	NoLiq	10.87	52.58	2.419	0.0E0	0.000	0.000
22.60	0.95	1.30	0.73	5.00	NoLiq	10.88	52.59	2.418	0.0E0	0.000	0.000
22.55	0.95	1.30	0.73	5.00	NoLiq	10.88	52.60	2.418	0.0E0	0.000	0.000
22.50	0.95	1.30	0.73	5.00	NoLiq	10.88	52.61	2.418	0.0E0	0.000	0.000
22.45	0.95	1.30	0.73	5.00	NoLiq	10.88	52.61	2.417	0.0E0	0.000	0.000
22.40	0.95	1.30	0.73	5.00	NoLiq	10.89	52.62	2.417	0.0E0	0.000	0.000
22.35	0.95	1.30	0.73	5.00	NoLiq	10.89	52.63	2.416	0.0E0	0.000	0.000
22.30	0.95	1.30	0.73	5.00	NoLiq	10.89	52.64	2.416	0.0E0	0.000	0.000
22.25	0.95	1.30	0.73	5.00	NoLiq	10.90	52.64	2.415	0.0E0	0.000	0.000
22.20	0.95	1.30	0.73	5.00	NoLiq	10.90	52.65	2.415	0.0E0	0.000	0.000
22.15	0.95	1.30	0.73	5.00	NoLiq	10.90	52.66	2.415	0.0E0	0.000	0.000
22.10	0.95	1.30	0.73	5.00	NoLiq	10.91	52.67	2.414	0.0E0	0.000	0.000
22.05	0.95	1.30	0.73	5.00	NoLiq	10.91	52.67	2.414	0.0E0	0.000	0.000
22.00	0.95	1.30	0.73	5.00	NoLiq	10.91	52.68	2.413	0.0E0	0.000	0.000
21.95	0.95	1.30	0.73	5.00	NoLiq	10.92	52.69	2.413	0.0E0	0.000	0.000
21.90	0.95	1.30	0.73	5.00	NoLiq	10.92	52.70	2.412	0.0E0	0.000	0.000
21.85	0.95	1.30	0.73	5.00	NoLiq	10.92	52.70	2.412	0.0E0	0.000	0.000
21.80	0.95	1.30	0.73	5.00	NoLiq	10.93	52.71	2.412	0.0E0	0.000	0.000
21.75	0.95	1.30	0.73	5.00	NoLiq	10.93	52.72	2.411	0.0E0	0.000	0.000
21.70	0.95	1.30	0.73	5.00	NoLiq	10.93	52.73	2.411	0.0E0	0.000	0.000
21.65	0.95	1.30	0.73	5.00	NoLiq	10.94	52.73	2.410	0.0E0	0.000	0.000
21.60	0.95	1.30	0.73	5.00	NoLiq	10.94	52.74	2.410	0.0E0	0.000	0.000
21.55	0.95	1.30	0.73	5.00	NoLiq	10.94	52.75	2.409	0.0E0	0.000	0.000
21.50	0.95	1.30	0.73	5.00	NoLiq	10.95	52.76	2.409	0.0E0	0.000	0.000
21.45	0.95	1.30	0.73	5.00	NoLiq	10.95	52.76	2.409	0.0E0	0.000	0.000
21.40	0.95	1.30	0.73	5.00	NoLiq	10.95	52.77	2.408	0.0E0	0.000	0.000
21.35	0.95	1.30	0.73	5.00	NoLiq	10.96	52.78	2.408	0.0E0	0.000	0.000
21.30	0.95	1.30	0.73	5.00	NoLiq	10.96	52.79	2.407	0.0E0	0.000	0.000
21.25	0.95	1.30	0.73	5.00	NoLiq	10.96	52.79	2.407	0.0E0	0.000	0.000
21.20	0.95	1.30	0.73	5.00	NoLiq	10.97	52.80	2.406	0.0E0	0.000	0.000
21.15	0.95	1.30	0.73	5.00	NoLiq	10.97	52.81	2.406	0.0E0	0.000	0.000
21.10	0.95	1.30	0.73	5.00	NoLiq	10.97	52.82	2.406	0.0E0	0.000	0.000
21.05	0.95	1.30	0.73	5.00	NoLiq	10.98	52.82	2.405	0.0E0	0.000	0.000
21.00	0.95	1.30	0.73	5.00	NoLiq	10.98	52.84	2.404	0.0E0	0.000	0.000
20.95	0.95	1.30	0.73	5.00	NoLiq	10.99	52.86	2.403	0.0E0	0.000	0.000
20.90	0.95	1.30	0.73	5.00	NoLiq	11.00	52.87	2.402	0.0E0	0.000	0.000
20.85	0.95	1.30	0.73	5.00	NoLiq	11.00	52.89	2.401	0.0E0	0.000	0.000
20.80	0.95	1.30	0.73	5.00	NoLiq	11.01	52.90	2.401	0.0E0	0.000	0.000
20.75	0.95	1.30	0.73	5.00	NoLiq	11.02	52.92	2.400	0.0E0	0.000	0.000
20.70	0.95	1.30	0.73	5.00	NoLiq	11.03	52.94	2.399	0.0E0	0.000	0.000
20.65	0.95	1.30	0.73	5.00	NoLiq	11.03	52.95	2.398	0.0E0	0.000	0.000
20.60	0.95	1.30	0.73	5.00	NoLiq	11.04	52.97	2.397	0.0E0	0.000	0.000
20.55	0.95	1.30	0.73	5.00	NoLiq	11.05	52.98	2.396	0.0E0	0.000	0.000
20.50	0.95	1.30	0.73	5.00	NoLiq	11.05	53.00	2.395	0.0E0	0.000	0.000
20.45	0.95	1.30	0.73	5.00	NoLiq	11.06	53.02	2.394	0.0E0	0.000	0.000
20.40	0.95	1.30	0.73	5.00	NoLiq	11.07	53.03	2.393	0.0E0	0.000	0.000
20.35	0.95	1.30	0.73	5.00	NoLiq	11.08	53.05	2.392	0.0E0	0.000	0.000
20.30	0.95	1.30	0.73	5.00	NoLiq	11.08	53.06	2.391	0.0E0	0.000	0.000
20.25	0.95	1.30	0.73	5.00	NoLiq	11.09	53.08	2.390	0.0E0	0.000	0.000
20.20	0.95	1.30	0.73	5.00	NoLiq	11.10	53.10	2.389	0.0E0	0.000	0.000
20.15	0.95	1.30	0.73	5.00	NoLiq	11.10	53.11	2.388	0.0E0	0.000	0.000

20.10	0.95	1.30	0.73	5.00	NoLiq	11.11	53.13	2.387	0.0E0	0.000	0.000
20.05	0.95	1.30	0.73	5.00	NoLiq	11.12	53.15	2.386	0.0E0	0.000	0.000
20.00	0.95	1.30	0.73	0.17	NoLiq	11.13	53.16	2.385	0.0E0	0.000	0.000
19.95	0.95	1.30	0.73	0.17	99.99	11.34	53.64	2.358	1.4E-2	0.014	0.014
19.90	0.95	1.30	0.73	0.17	98.98	11.55	54.12	2.330	1.4E-2	0.014	0.028
19.85	0.95	1.30	0.73	0.17	97.97	11.76	54.59	2.302	1.4E-2	0.014	0.042
19.80	0.95	1.30	0.73	0.18	96.96	11.98	55.06	2.274	1.4E-2	0.014	0.056
19.75	0.95	1.30	0.73	0.18	95.95	12.19	55.52	2.245	1.3E-2	0.013	0.069
19.70	0.95	1.30	0.73	0.18	94.94	12.41	55.98	2.217	1.3E-2	0.013	0.082
19.65	0.95	1.30	0.73	0.19	93.93	12.62	56.44	2.189	1.3E-2	0.013	0.095
19.60	0.95	1.30	0.73	0.19	92.92	12.84	56.90	2.161	1.3E-2	0.013	0.108
19.55	0.95	1.30	0.73	0.19	91.91	13.05	57.35	2.132	1.3E-2	0.013	0.121
19.50	0.95	1.30	0.73	0.20	90.90	13.27	57.80	2.104	1.3E-2	0.013	0.134
19.45	0.95	1.30	0.73	0.20	89.89	13.49	58.25	2.075	1.2E-2	0.012	0.146
19.40	0.95	1.30	0.73	0.20	88.88	13.70	58.69	2.047	1.2E-2	0.012	0.159
19.35	0.95	1.30	0.73	0.21	87.87	13.92	59.14	2.018	1.2E-2	0.012	0.171
19.30	0.95	1.30	0.73	0.21	86.86	14.14	59.58	1.993	1.2E-2	0.012	0.183
19.25	0.95	1.30	0.73	0.21	85.85	14.36	60.02	1.975	1.2E-2	0.012	0.195
19.20	0.95	1.30	0.73	0.22	84.84	14.58	60.45	1.956	1.2E-2	0.012	0.206
19.15	0.95	1.30	0.73	0.22	83.83	14.80	60.89	1.938	1.2E-2	0.012	0.218
19.10	0.95	1.30	0.73	0.22	82.82	15.02	61.32	1.919	1.2E-2	0.012	0.229
19.05	0.95	1.30	0.73	0.23	81.81	15.24	61.75	1.901	1.1E-2	0.011	0.241
19.00	0.95	1.30	0.73	0.23	80.80	15.47	62.18	1.882	1.1E-2	0.011	0.252
18.95	0.95	1.30	0.73	0.23	79.79	15.69	62.61	1.864	1.1E-2	0.011	0.263
18.90	0.95	1.30	0.73	0.24	78.78	15.91	63.03	1.845	1.1E-2	0.011	0.274
18.85	0.95	1.30	0.73	0.24	77.77	16.13	63.46	1.826	1.1E-2	0.011	0.285
18.80	0.95	1.30	0.73	0.24	76.76	16.36	63.88	1.807	1.1E-2	0.011	0.296
18.75	0.95	1.30	0.73	0.25	75.75	16.58	64.30	1.789	1.1E-2	0.011	0.307
18.70	0.95	1.30	0.73	0.25	74.74	16.81	64.72	1.770	1.1E-2	0.011	0.317
18.65	0.95	1.30	0.73	0.25	73.73	17.04	65.14	1.751	1.1E-2	0.011	0.328
18.60	0.95	1.30	0.73	0.26	72.72	17.26	65.56	1.732	1.0E-2	0.010	0.338
18.55	0.95	1.30	0.73	0.26	71.71	17.49	65.98	1.713	1.0E-2	0.010	0.349
18.50	0.95	1.30	0.73	0.26	70.70	17.72	66.40	1.694	1.0E-2	0.010	0.359
18.45	0.95	1.30	0.73	0.27	69.69	17.95	66.82	1.674	1.0E-2	0.010	0.369
18.40	0.95	1.30	0.73	0.27	68.68	18.18	67.24	1.655	9.9E-3	0.010	0.379
18.35	0.95	1.30	0.73	0.27	67.67	18.41	67.66	1.636	9.8E-3	0.010	0.389
18.30	0.95	1.30	0.73	0.28	66.66	18.64	68.08	1.617	9.7E-3	0.010	0.398
18.25	0.95	1.30	0.73	0.28	65.65	18.87	68.49	1.597	9.6E-3	0.010	0.408
18.20	0.95	1.30	0.73	0.28	64.64	19.10	68.91	1.578	9.5E-3	0.009	0.417
18.15	0.95	1.30	0.73	0.29	63.63	19.33	69.33	1.559	9.4E-3	0.009	0.427
18.10	0.95	1.30	0.73	0.29	62.62	19.56	69.75	1.539	9.2E-3	0.009	0.436
18.05	0.95	1.30	0.73	0.29	61.61	19.80	70.17	1.520	9.1E-3	0.009	0.445
18.00	0.95	1.30	0.73	0.30	60.60	20.03	70.59	1.500	9.0E-3	0.009	0.454
17.95	0.95	1.30	0.73	0.30	59.59	20.27	71.02	1.485	8.9E-3	0.009	0.463
17.90	0.95	1.30	0.73	0.30	58.58	20.50	71.44	1.471	8.8E-3	0.009	0.472
17.85	0.95	1.30	0.73	0.31	57.57	20.74	71.86	1.456	8.7E-3	0.009	0.481
17.80	0.95	1.30	0.73	0.31	56.56	20.97	72.29	1.441	8.6E-3	0.009	0.489
17.75	0.95	1.30	0.73	0.32	55.55	21.21	72.72	1.426	8.6E-3	0.009	0.498
17.70	0.95	1.30	0.73	0.32	54.54	21.45	73.15	1.411	8.5E-3	0.008	0.506
17.65	0.95	1.30	0.73	0.32	53.53	21.69	73.58	1.397	8.4E-3	0.008	0.515
17.60	0.95	1.30	0.73	0.33	52.52	21.93	74.01	1.382	8.3E-3	0.008	0.523
17.55	0.95	1.30	0.73	0.33	51.51	22.17	74.45	1.367	8.2E-3	0.008	0.531
17.50	0.95	1.30	0.73	0.34	50.50	22.41	74.89	1.352	8.1E-3	0.008	0.539
17.45	0.95	1.30	0.73	0.34	49.49	22.65	75.33	1.337	8.0E-3	0.008	0.547
17.40	0.95	1.30	0.73	0.35	48.48	22.89	75.77	1.321	7.9E-3	0.008	0.555
17.35	0.95	1.30	0.73	0.35	47.47	23.13	76.22	1.306	7.8E-3	0.008	0.563
17.30	0.95	1.30	0.73	0.35	46.46	23.38	76.66	1.291	7.7E-3	0.008	0.571
17.25	0.95	1.30	0.73	0.36	45.45	23.62	77.12	1.276	7.7E-3	0.008	0.578
17.20	0.95	1.30	0.73	0.36	44.44	23.86	77.57	1.261	7.6E-3	0.008	0.586
17.15	0.95	1.30	0.73	0.37	43.43	24.11	78.03	1.245	7.5E-3	0.007	0.593
17.10	0.95	1.30	0.73	0.37	42.42	24.35	78.49	1.230	7.4E-3	0.007	0.601
17.05	0.95	1.30	0.73	0.38	41.41	24.60	78.96	1.214	7.3E-3	0.007	0.608
17.00	0.95	1.30	0.73	0.38	40.40	24.85	79.43	1.199	7.2E-3	0.007	0.615
16.95	0.95	1.30	0.73	0.39	39.39	25.10	79.90	1.184	7.1E-3	0.007	0.622
16.90	0.95	1.30	0.73	0.40	38.38	25.35	80.38	1.168	7.0E-3	0.007	0.629
16.85	0.95	1.30	0.73	0.40	37.37	25.59	80.86	1.152	6.9E-3	0.007	0.636
16.80	0.95	1.30	0.73	0.41	36.36	25.84	81.35	1.137	6.8E-3	0.007	0.643
16.75	0.95	1.30	0.73	0.41	35.35	26.10	81.84	1.121	6.7E-3	0.007	0.650
16.70	0.95	1.30	0.73	0.42	34.34	26.14	81.93	1.118	6.7E-3	0.007	0.657
16.65	0.95	1.30	0.73	0.42	33.33	26.18	82.01	1.116	6.7E-3	0.007	0.663
16.60	0.95	1.30	0.73	0.42	32.32	26.22	82.09	1.113	6.7E-3	0.007	0.670
16.55	0.95	1.30	0.73	0.42	31.31	26.25	82.16	1.111	6.7E-3	0.007	0.677
16.50	0.95	1.30	0.73	0.42	30.30	26.28	82.21	1.110	6.7E-3	0.007	0.683

16.45	0.95	1.30	0.73	0.42	29.29	26.30	82.26	1.108	6.6E-3	0.007	0.690
16.40	0.95	1.30	0.73	0.42	28.28	26.32	82.29	1.107	6.6E-3	0.007	0.697
16.35	0.95	1.30	0.73	0.42	27.27	26.33	82.30	1.107	6.6E-3	0.007	0.703
16.30	0.95	1.30	0.73	0.42	26.26	26.33	82.31	1.107	6.6E-3	0.007	0.710
16.25	0.95	1.30	0.73	0.42	25.25	26.32	82.29	1.107	6.6E-3	0.007	0.716
16.20	0.95	1.30	0.73	0.42	24.24	26.30	82.26	1.108	6.6E-3	0.007	0.723
16.15	0.95	1.30	0.73	0.42	23.23	26.28	82.20	1.110	6.7E-3	0.007	0.730
16.10	0.95	1.30	0.73	0.42	22.22	26.24	82.12	1.112	6.7E-3	0.007	0.736
16.05	0.95	1.30	0.73	0.42	21.21	26.18	82.02	1.116	6.7E-3	0.007	0.743
16.00	0.95	1.30	0.73	0.42	20.20	26.12	81.89	1.120	6.7E-3	0.007	0.750
15.95	0.95	1.30	0.73	0.41	19.19	26.03	81.72	1.125	6.7E-3	0.007	0.757
15.90	0.94	1.30	0.73	0.41	18.18	25.93	81.52	1.131	6.8E-3	0.007	0.763
15.85	0.94	1.30	0.73	0.41	17.17	25.81	81.29	1.139	6.8E-3	0.007	0.770
15.80	0.94	1.30	0.73	0.40	16.16	25.67	81.01	1.148	6.9E-3	0.007	0.777
15.75	0.94	1.30	0.73	0.40	15.15	25.50	80.69	1.158	6.9E-3	0.007	0.784
15.70	0.94	1.30	0.73	0.40	14.14	25.32	80.32	1.170	7.0E-3	0.007	0.791
15.65	0.94	1.30	0.73	0.39	13.13	25.11	79.92	1.183	7.1E-3	0.007	0.798
15.60	0.94	1.30	0.73	0.39	12.12	24.88	79.49	1.197	7.2E-3	0.007	0.805
15.55	0.94	1.30	0.73	0.38	11.11	24.65	79.05	1.212	7.3E-3	0.007	0.813
15.50	0.94	1.30	0.73	0.38	10.10	24.42	78.62	1.226	7.4E-3	0.007	0.820
15.45	0.94	1.30	0.73	0.37	9.09	24.22	78.25	1.238	7.4E-3	0.007	0.827
15.40	0.94	1.30	0.73	0.37	8.08	24.08	77.98	1.247	7.5E-3	0.007	0.835
15.35	0.94	1.30	0.73	0.37	7.07	24.03	77.88	1.250	7.5E-3	0.008	0.842
15.30	0.94	1.30	0.73	0.37	6.06	24.07	77.95	1.248	7.5E-3	0.007	0.850
15.25	0.94	1.30	0.73	0.37	5.05	24.18	78.17	1.241	7.4E-3	0.007	0.857
15.20	0.94	1.30	0.73	0.38	4.04	24.38	78.53	1.229	7.4E-3	0.007	0.865
15.15	0.94	1.30	0.73	0.38	3.03	24.61	78.97	1.214	7.3E-3	0.007	0.872
15.10	0.94	1.30	0.73	0.39	2.02	24.84	79.41	1.200	7.2E-3	0.007	0.879
15.05	0.94	1.30	0.73	0.39	1.01	25.07	79.85	1.185	7.1E-3	0.007	0.886
15.00	0.94	1.30	0.73	0.40	0.00	25.30	80.29	1.171	7.0E-3	0.007	0.893
14.95	0.94	1.30	0.73	0.40	0.00	25.34	80.37	1.168	7.0E-3	0.007	0.900
14.90	0.94	1.30	0.72	0.40	0.00	25.38	80.44	1.166	7.0E-3	0.007	0.907
14.85	0.94	1.30	0.72	0.40	0.00	25.41	80.52	1.164	7.0E-3	0.007	0.914
14.80	0.94	1.30	0.72	0.40	0.00	25.45	80.59	1.161	7.0E-3	0.007	0.921
14.75	0.94	1.30	0.72	0.35	0.00	22.81	75.62	1.326	8.0E-3	0.008	0.929
14.70	0.94	1.30	0.72	0.35	0.00	22.84	75.69	1.324	7.9E-3	0.008	0.937
14.65	0.94	1.30	0.72	0.35	0.00	22.88	75.75	1.322	7.9E-3	0.008	0.945
14.60	0.94	1.30	0.72	0.35	0.00	22.92	75.82	1.320	7.9E-3	0.008	0.953
14.55	0.94	1.30	0.72	0.35	0.00	22.95	75.88	1.318	7.9E-3	0.008	0.961
14.50	0.94	1.30	0.72	0.35	0.00	22.99	75.95	1.315	7.9E-3	0.008	0.969
14.45	0.94	1.30	0.72	0.35	0.00	23.02	76.02	1.313	7.9E-3	0.008	0.977
14.40	0.94	1.30	0.72	0.35	0.00	23.06	76.08	1.311	7.9E-3	0.008	0.985
14.35	0.94	1.30	0.72	0.35	0.00	23.10	76.15	1.308	7.9E-3	0.008	0.992
14.30	0.94	1.30	0.72	0.35	0.00	23.13	76.22	1.306	7.8E-3	0.008	1.000
14.25	0.94	1.30	0.72	0.35	0.00	23.17	76.29	1.304	7.8E-3	0.008	1.008
14.20	0.94	1.30	0.72	0.35	0.00	23.21	76.36	1.302	7.8E-3	0.008	1.016
14.15	0.94	1.30	0.72	0.35	0.00	23.25	76.43	1.299	7.8E-3	0.008	1.024
14.10	0.94	1.30	0.72	0.36	0.00	23.28	76.49	1.297	7.8E-3	0.008	1.031
14.05	0.94	1.30	0.72	0.36	0.00	23.32	76.57	1.294	7.8E-3	0.008	1.039
14.00	0.94	1.30	0.72	0.36	0.00	23.36	76.64	1.292	7.8E-3	0.008	1.047
13.95	0.94	1.30	0.72	0.36	0.00	23.40	76.71	1.290	7.7E-3	0.008	1.055
13.90	0.94	1.30	0.72	0.36	0.00	23.44	76.78	1.287	7.7E-3	0.008	1.062
13.85	0.94	1.30	0.72	0.36	0.00	23.48	76.85	1.285	7.7E-3	0.008	1.070
13.80	0.94	1.30	0.72	0.36	0.00	23.52	76.92	1.282	7.7E-3	0.008	1.078
13.75	0.94	1.30	0.72	0.36	0.00	23.55	77.00	1.280	7.7E-3	0.008	1.086
13.70	0.94	1.30	0.72	0.36	0.00	23.59	77.07	1.277	7.7E-3	0.008	1.093
13.65	0.94	1.30	0.72	0.36	0.00	23.63	77.15	1.275	7.6E-3	0.008	1.101
13.60	0.94	1.30	0.72	0.36	0.00	23.67	77.22	1.272	7.6E-3	0.008	1.108
13.55	0.94	1.30	0.72	0.36	0.00	23.71	77.30	1.270	7.6E-3	0.008	1.116
13.50	0.94	1.30	0.72	0.37	0.00	23.76	77.37	1.267	7.6E-3	0.008	1.124
13.45	0.94	1.30	0.72	0.37	0.00	23.80	77.45	1.265	7.6E-3	0.008	1.131
13.40	0.94	1.30	0.72	0.37	0.00	23.84	77.52	1.262	7.6E-3	0.008	1.139
13.35	0.94	1.30	0.72	0.37	0.00	23.88	77.60	1.260	7.6E-3	0.008	1.146
13.30	0.94	1.30	0.72	0.37	0.00	23.92	77.68	1.257	7.5E-3	0.008	1.154
13.25	0.94	1.30	0.72	0.37	0.00	23.96	77.76	1.254	7.5E-3	0.008	1.162
13.20	0.94	1.30	0.72	0.37	0.00	24.01	77.84	1.252	7.5E-3	0.008	1.169
13.15	0.94	1.30	0.72	0.37	0.00	24.05	77.92	1.249	7.5E-3	0.007	1.177
13.10	0.94	1.30	0.72	0.37	0.00	24.09	78.00	1.246	7.5E-3	0.007	1.184
13.05	0.94	1.30	0.72	0.37	0.00	24.13	78.08	1.244	7.5E-3	0.007	1.191
13.00	0.94	1.30	0.72	0.37	0.00	24.18	78.16	1.241	7.4E-3	0.007	1.199
12.95	0.94	1.30	0.72	0.38	0.00	24.22	78.24	1.238	7.4E-3	0.007	1.206
12.90	0.94	1.30	0.72	0.38	0.00	24.27	78.33	1.235	7.4E-3	0.007	1.214
12.85	0.94	1.30	0.72	0.38	0.00	24.31	78.41	1.233	7.4E-3	0.007	1.221

12.80	0.94	1.30	0.72	0.38	0.00	24.36	78.49	1.230	7.4E-3	0.007	1.229
12.75	0.94	1.30	0.72	0.38	0.00	24.40	78.58	1.227	7.4E-3	0.007	1.236
12.70	0.94	1.30	0.72	0.38	0.00	24.45	78.66	1.224	7.3E-3	0.007	1.243
12.65	0.94	1.30	0.72	0.38	0.00	24.49	78.75	1.221	7.3E-3	0.007	1.251
12.60	0.94	1.30	0.72	0.38	0.00	24.54	78.84	1.219	7.3E-3	0.007	1.258
12.55	0.94	1.30	0.72	0.38	0.00	24.58	78.92	1.216	7.3E-3	0.007	1.265
12.50	0.94	1.30	0.72	0.38	0.00	24.63	79.01	1.213	7.3E-3	0.007	1.272
12.45	0.94	1.30	0.72	0.39	0.00	24.68	79.10	1.210	7.3E-3	0.007	1.280
12.40	0.94	1.30	0.72	0.39	0.00	24.72	79.19	1.207	7.2E-3	0.007	1.287
12.35	0.94	1.30	0.72	0.39	0.00	24.77	79.28	1.204	7.2E-3	0.007	1.294
12.30	0.94	1.30	0.72	0.39	0.00	24.82	79.37	1.201	7.2E-3	0.007	1.301
12.25	0.94	1.30	0.72	0.39	0.00	24.87	79.46	1.198	7.2E-3	0.007	1.309
12.20	0.94	1.30	0.72	0.39	0.00	24.92	79.56	1.195	7.2E-3	0.007	1.316
12.15	0.94	1.30	0.72	0.39	0.00	24.96	79.65	1.192	7.2E-3	0.007	1.323
12.10	0.94	1.30	0.72	0.39	0.00	25.01	79.75	1.189	7.1E-3	0.007	1.330
12.05	0.94	1.30	0.72	0.39	0.00	25.06	79.84	1.186	7.1E-3	0.007	1.337
12.00	0.94	1.30	0.72	0.40	0.00	25.11	79.94	1.182	7.1E-3	0.007	1.344
11.95	0.94	1.30	0.72	0.40	0.00	25.16	80.03	1.179	7.1E-3	0.007	1.351
11.90	0.94	1.30	0.72	0.40	0.00	25.21	80.13	1.176	7.1E-3	0.007	1.358
11.85	0.94	1.30	0.72	0.40	0.00	25.27	80.23	1.173	7.0E-3	0.007	1.365
11.80	0.94	1.30	0.72	0.40	0.00	25.32	80.33	1.170	7.0E-3	0.007	1.372
11.75	0.94	1.30	0.72	0.40	0.00	25.37	80.43	1.167	7.0E-3	0.007	1.379
11.70	0.94	1.30	0.72	0.40	0.00	25.42	80.53	1.163	7.0E-3	0.007	1.386
11.65	0.94	1.30	0.72	0.40	0.00	25.47	80.63	1.160	7.0E-3	0.007	1.393
11.60	0.94	1.30	0.72	0.40	0.00	25.53	80.73	1.157	6.9E-3	0.007	1.400
11.55	0.94	1.30	0.72	0.41	0.00	25.58	80.84	1.153	6.9E-3	0.007	1.407
11.50	0.94	1.30	0.72	0.41	0.00	25.63	80.94	1.150	6.9E-3	0.007	1.414
11.45	0.94	1.30	0.72	0.41	0.00	25.69	81.05	1.147	6.9E-3	0.007	1.421
11.40	0.94	1.30	0.72	0.41	0.00	25.74	81.15	1.143	6.9E-3	0.007	1.428
11.35	0.94	1.30	0.72	0.41	0.00	25.80	81.26	1.140	6.8E-3	0.007	1.435
11.30	0.94	1.30	0.72	0.41	0.00	25.85	81.37	1.136	6.8E-3	0.007	1.441
11.25	0.94	1.30	0.72	0.41	0.00	25.91	81.48	1.133	6.8E-3	0.007	1.448
11.20	0.94	1.30	0.72	0.42	0.00	25.96	81.59	1.129	6.8E-3	0.007	1.455
11.15	0.94	1.30	0.72	0.42	0.00	26.02	81.70	1.126	6.8E-3	0.007	1.462
11.10	0.94	1.30	0.72	0.42	0.00	26.08	81.81	1.122	6.7E-3	0.007	1.469
11.05	0.94	1.30	0.72	0.42	0.00	26.14	81.92	1.119	6.7E-3	0.007	1.475
11.00	0.94	1.30	0.72	0.42	0.00	26.19	82.04	1.115	6.7E-3	0.007	1.482
10.95	0.94	1.30	0.72	0.42	0.00	26.25	82.15	1.111	6.7E-3	0.007	1.489
10.90	0.94	1.30	0.72	0.42	0.00	26.31	82.27	1.108	6.6E-3	0.007	1.495
10.85	0.94	1.30	0.72	0.43	0.00	26.37	82.39	1.104	6.6E-3	0.007	1.502
10.80	0.94	1.30	0.72	0.43	0.00	26.43	82.51	1.100	6.6E-3	0.007	1.508
10.75	0.94	1.30	0.72	0.43	0.00	26.49	82.63	1.096	6.6E-3	0.007	1.515
10.70	0.94	1.30	0.72	0.43	0.00	26.55	82.75	1.093	6.6E-3	0.007	1.522
10.65	0.94	1.30	0.72	0.43	0.00	26.61	82.87	1.089	6.5E-3	0.007	1.528
10.60	0.94	1.30	0.72	0.43	0.00	26.68	83.00	1.085	6.5E-3	0.007	1.535
10.55	0.94	1.30	0.72	0.44	0.00	26.74	83.12	1.081	6.5E-3	0.006	1.541
10.50	0.94	1.30	0.72	0.44	0.00	26.80	83.25	1.077	6.5E-3	0.006	1.548
10.45	0.94	1.30	0.72	0.44	0.00	26.86	83.38	1.073	6.4E-3	0.006	1.554
10.40	0.94	1.30	0.72	0.44	0.00	26.93	83.50	1.069	6.4E-3	0.006	1.560
10.35	0.94	1.30	0.72	0.44	0.00	26.99	83.63	1.065	6.4E-3	0.006	1.567
10.30	0.94	1.30	0.72	0.45	0.00	27.06	83.77	1.061	6.4E-3	0.006	1.573
10.25	0.94	1.30	0.72	0.45	0.00	27.12	83.90	1.057	6.3E-3	0.006	1.580
10.20	0.94	1.30	0.72	0.45	0.00	27.19	84.03	1.053	6.3E-3	0.006	1.586
10.15	0.94	1.30	0.72	0.45	0.00	27.26	84.17	1.049	6.3E-3	0.006	1.592
10.10	0.94	1.30	0.72	0.45	0.00	27.32	84.31	1.044	6.3E-3	0.006	1.598
10.05	0.94	1.30	0.72	0.46	0.00	27.39	84.45	1.040	6.2E-3	0.006	1.605
10.00	0.94	1.30	0.72	0.46	0.00	27.46	84.59	1.036	6.2E-3	0.006	1.611

Settlement of Saturated Sands=1.611 in.
qc1 and (N1)60 is after fines correction in liquefaction analysis
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

Depth	sigma'	sigC'	(N1)60s	CSRsf	Gmax	g*Ge/Gm	g_eff	ec7.5	Cec	ec	dsz	dsp	S
ft	atm	atm			atm			%		%	in.	in.	in.

Settlement of Unsaturated Sands

Settlement of Unsaturated Sands=0.000 in.
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=1.611 in.
Differential Settlement=0.805 to 1.063 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf(1 tsf = 1 ton/ft2 = 2 kip/ft2)
1 atm (atmosphere) = 101.325 kPa(1 kPa = 1 kN/m2 = 0.001 Mpa)

SPT	Field data from Standard Penetration Test (SPT)
BPT	Field data from Becker Penetration Test (BPT)
qc	Field data from Cone Penetration Test (CPT) [atm (tsf)]
fs	Friction from CPT testing [atm (tsf)]
Rf	Ratio of fs/qc (%)
gamma	Total unit weight of soil
gamma'	Effective unit weight of soil
Fines	Fines content [%]
D50	Mean grain size
Dr	Relative Density
sigma	Total vertical stress [atm]
sigma'	Effective vertical stress [atm]
sigC'	Effective confining pressure [atm]
rd	Acceleration reduction coefficient by Seed
a_max.	Peak Ground Acceleration (PGA) in ground surface
mZ	Linear acceleration reduction coefficient X depth
a_min.	Minimum acceleration under linear reduction, mZ
CRRv	CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
CRR7.5	Cyclic resistance ratio (M=7.5)
Ksig	Overburden stress correction factor for CRR7.5
CRRm	After magnitude scaling correction CRRm=CRRv * MSF
MSF	Magnitude scaling factor from M=7.5 to user input M
CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F.S.	Calculated factor of safety against liquefaction F.S.=CRRm/CSRsf
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT
qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1
qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement calculation CSRm=CSRsf / MSF*
CSRfs	Cyclic stress ratio induced by earthquake with user inputed fs
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2 of Page C.
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5

NoLiq No-Liquefy Soils

References:

1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T.L., and Idriss, I.M., eds., Technical Report NCEER 97-0022.

SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for
Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.

2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth
International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.

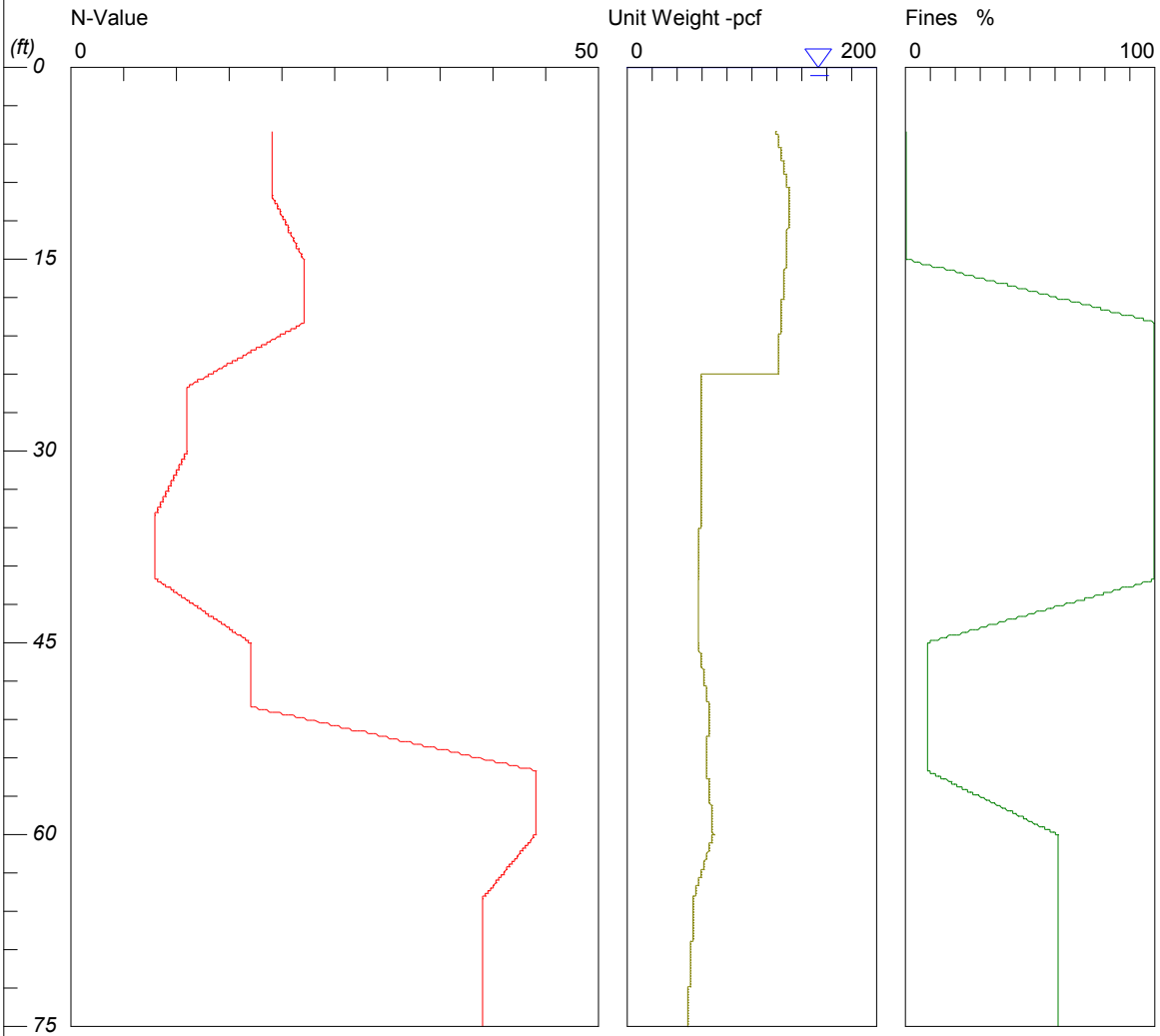
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center,
Report No. EERC 2003-06 by R.B Seed and etc. April 2003.

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-5-14 Water Depth=0 ft

Magnitude=6.73
Acceleration=0.517g



SPT N	Unit Weight	Fines %
19	119.5	
	130.0	
22	127.3	
	122.5	NoLq
11	120.5	NoLq
	122.1	NoLq
8	120.8	NoLq
	119.2	NoLq
17		8.5
	127.4	
44	126.3	
	131.3	60.9
39	115.4	
	113.4	
	109.9	

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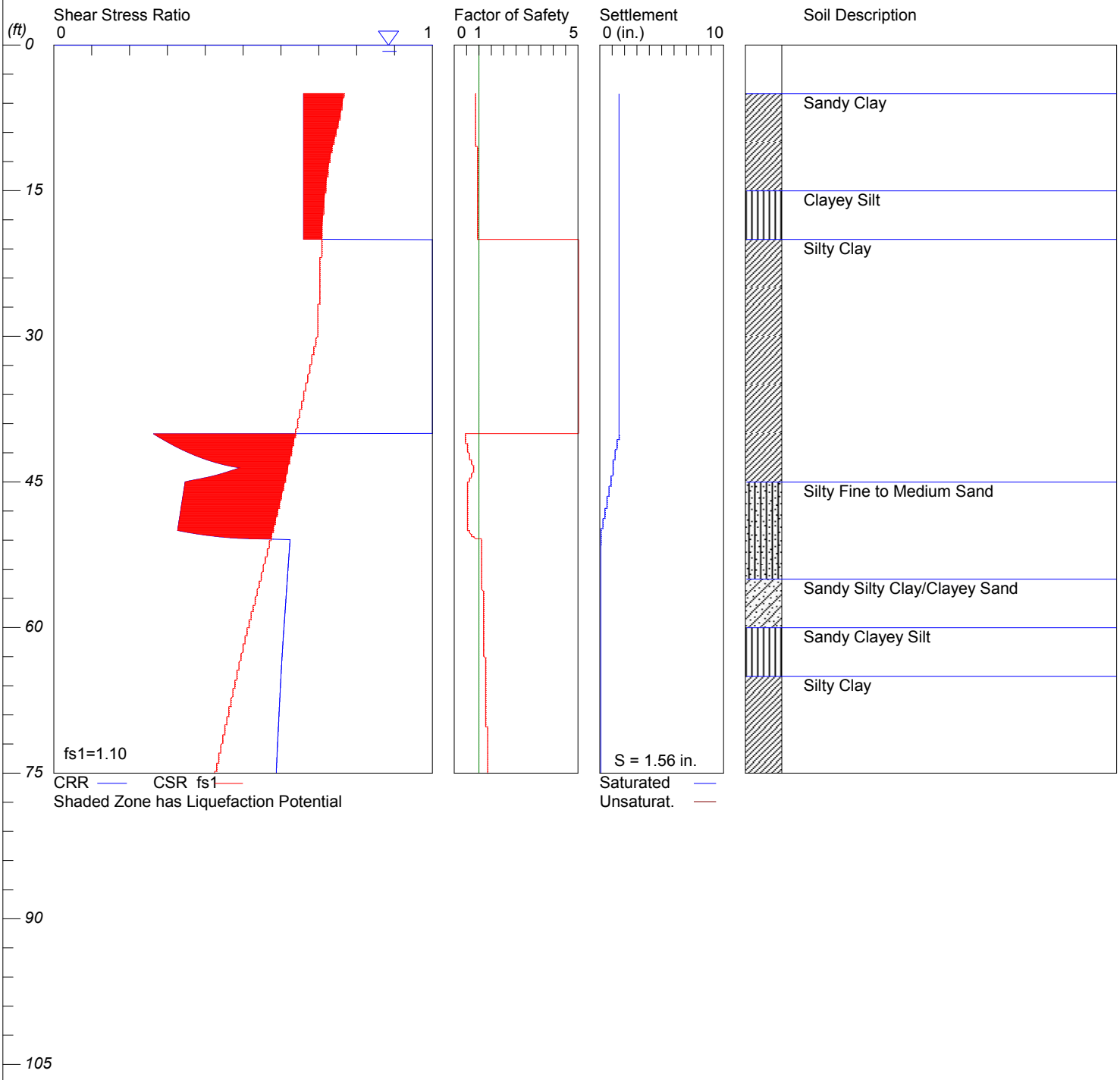
LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-5-14 Water Depth=0 ft

Magnitude=6.73
Acceleration=0.517g



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LIQUEFACTION ANALYSIS CALCULATION DETAILS
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Input File Name: C:\Users\jgurunathan\OneDrive\Work\Projects\6792A -- Sportsmens August 2018\Liquefaction\B-5-14 Reduced.liq
Title: Sportsmen's Lodge
Subtitle: Boring B-5-14 Analysis (2/3 PGAm)

Input Data:
Surface Elev.=
Hole No.=B-5-14
Depth of Hole=75.00 ft
Water Table during Earthquake= 0.00 ft
Water Table during In-Situ Testing= 24.00 ft
Max. Acceleration=0.52 g
Earthquake Magnitude=6.73
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Idriss/Seed
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.42
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.1
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
5.00	19.00	119.50	0.00
10.00	19.00	130.00	0.00
15.00	22.00	127.30	0.00
20.00	22.00	122.50	NoLiq
25.00	11.00	120.50	NoLiq
30.00	11.00	122.10	NoLiq
35.00	8.00	120.80	NoLiq
40.00	8.00	119.20	NoLiq
45.00	17.00	119.20	8.50
50.00	17.00	127.40	8.50
55.00	44.00	126.30	8.50
60.00	44.00	131.30	60.90
65.00	39.00	115.40	60.90
70.00	39.00	113.40	60.90
75.00	39.00	109.90	60.90

Output Results:
Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.52g

CSR Calculation:

Depth ft	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ g	a(z) g	CSR	x fs1	=CSRfs
5.00	119.50	0.282	57.10	0.135	0.99	0.000	0.517	0.70	1.10	0.76
5.05	119.61	0.285	57.21	0.136	0.99	0.000	0.517	0.70	1.10	0.76
5.10	119.71	0.288	57.31	0.138	0.99	0.000	0.517	0.69	1.10	0.76
5.15	119.82	0.291	57.42	0.139	0.99	0.000	0.517	0.69	1.10	0.76

5.20	119.92	0.294	57.52	0.140	0.99	0.000	0.517	0.69	1.10	0.76
5.25	120.03	0.296	57.63	0.142	0.99	0.000	0.517	0.69	1.10	0.76
5.30	120.13	0.299	57.73	0.143	0.99	0.000	0.517	0.69	1.10	0.76
5.35	120.24	0.302	57.83	0.144	0.99	0.000	0.517	0.69	1.10	0.76
5.40	120.34	0.305	57.94	0.146	0.99	0.000	0.517	0.69	1.10	0.76
5.45	120.45	0.308	58.05	0.147	0.99	0.000	0.517	0.69	1.10	0.76
5.50	120.55	0.311	58.15	0.149	0.99	0.000	0.517	0.69	1.10	0.76
5.55	120.66	0.314	58.26	0.150	0.99	0.000	0.517	0.69	1.10	0.76
5.60	120.76	0.316	58.36	0.151	0.99	0.000	0.517	0.69	1.10	0.76
5.65	120.87	0.319	58.47	0.153	0.99	0.000	0.517	0.69	1.10	0.76
5.70	120.97	0.322	58.57	0.154	0.99	0.000	0.517	0.69	1.10	0.76
5.75	121.08	0.325	58.68	0.155	0.99	0.000	0.517	0.69	1.10	0.76
5.80	121.18	0.328	58.78	0.157	0.99	0.000	0.517	0.69	1.10	0.76
5.85	121.29	0.331	58.89	0.158	0.99	0.000	0.517	0.69	1.10	0.76
5.90	121.39	0.334	58.99	0.160	0.99	0.000	0.517	0.69	1.10	0.76
5.95	121.50	0.336	59.10	0.161	0.99	0.000	0.517	0.69	1.10	0.76
6.00	121.60	0.339	59.20	0.162	0.99	0.000	0.517	0.69	1.10	0.76
6.05	121.71	0.342	59.31	0.164	0.99	0.000	0.517	0.69	1.10	0.76
6.10	121.81	0.345	59.41	0.165	0.99	0.000	0.517	0.69	1.10	0.76
6.15	121.92	0.348	59.52	0.167	0.99	0.000	0.517	0.69	1.10	0.76
6.20	122.02	0.351	59.62	0.168	0.99	0.000	0.517	0.69	1.10	0.76
6.25	122.13	0.354	59.73	0.169	0.99	0.000	0.517	0.69	1.10	0.76
6.30	122.23	0.357	59.83	0.171	0.99	0.000	0.517	0.69	1.10	0.76
6.35	122.34	0.359	59.94	0.172	0.99	0.000	0.517	0.69	1.10	0.76
6.40	122.44	0.362	60.04	0.174	0.99	0.000	0.517	0.69	1.10	0.76
6.45	122.55	0.365	60.15	0.175	0.98	0.000	0.517	0.69	1.10	0.76
6.50	122.65	0.368	60.25	0.176	0.98	0.000	0.517	0.69	1.10	0.76
6.55	122.76	0.371	60.36	0.178	0.98	0.000	0.517	0.69	1.10	0.76
6.60	122.86	0.374	60.46	0.179	0.98	0.000	0.517	0.69	1.10	0.76
6.65	122.97	0.377	60.57	0.181	0.98	0.000	0.517	0.69	1.10	0.76
6.70	123.07	0.380	60.67	0.182	0.98	0.000	0.517	0.69	1.10	0.76
6.75	123.18	0.383	60.78	0.184	0.98	0.000	0.517	0.69	1.10	0.76
6.80	123.28	0.386	60.88	0.185	0.98	0.000	0.517	0.69	1.10	0.76
6.85	123.39	0.388	60.99	0.186	0.98	0.000	0.517	0.69	1.10	0.76
6.90	123.49	0.391	61.09	0.188	0.98	0.000	0.517	0.69	1.10	0.76
6.95	123.60	0.394	61.20	0.189	0.98	0.000	0.517	0.69	1.10	0.76
7.00	123.70	0.397	61.30	0.191	0.98	0.000	0.517	0.69	1.10	0.76
7.05	123.81	0.400	61.41	0.192	0.98	0.000	0.517	0.69	1.10	0.76
7.10	123.91	0.403	61.51	0.194	0.98	0.000	0.517	0.69	1.10	0.76
7.15	124.02	0.406	61.62	0.195	0.98	0.000	0.517	0.69	1.10	0.76
7.20	124.12	0.409	61.72	0.197	0.98	0.000	0.517	0.69	1.10	0.76
7.25	124.23	0.412	61.83	0.198	0.98	0.000	0.517	0.69	1.10	0.76
7.30	124.33	0.415	61.93	0.200	0.98	0.000	0.517	0.69	1.10	0.76
7.35	124.44	0.418	62.04	0.201	0.98	0.000	0.517	0.69	1.10	0.76
7.40	124.54	0.421	62.14	0.202	0.98	0.000	0.517	0.69	1.10	0.75
7.45	124.65	0.424	62.25	0.204	0.98	0.000	0.517	0.69	1.10	0.75
7.50	124.75	0.427	62.35	0.205	0.98	0.000	0.517	0.69	1.10	0.75
7.55	124.86	0.430	62.46	0.207	0.98	0.000	0.517	0.69	1.10	0.75
7.60	124.96	0.432	62.56	0.208	0.98	0.000	0.517	0.69	1.10	0.75
7.65	125.07	0.435	62.67	0.210	0.98	0.000	0.517	0.68	1.10	0.75
7.70	125.17	0.438	62.77	0.211	0.98	0.000	0.517	0.68	1.10	0.75
7.75	125.28	0.441	62.88	0.213	0.98	0.000	0.517	0.68	1.10	0.75
7.80	125.38	0.444	62.98	0.214	0.98	0.000	0.517	0.68	1.10	0.75
7.85	125.49	0.447	63.09	0.216	0.98	0.000	0.517	0.68	1.10	0.75
7.90	125.59	0.450	63.19	0.217	0.98	0.000	0.517	0.68	1.10	0.75
7.95	125.70	0.453	63.30	0.219	0.98	0.000	0.517	0.68	1.10	0.75
8.00	125.80	0.456	63.40	0.220	0.98	0.000	0.517	0.68	1.10	0.75
8.05	125.91	0.459	63.51	0.222	0.98	0.000	0.517	0.68	1.10	0.75
8.10	126.01	0.462	63.61	0.223	0.98	0.000	0.517	0.68	1.10	0.75
8.15	126.12	0.465	63.72	0.225	0.98	0.000	0.517	0.68	1.10	0.75
8.20	126.22	0.468	63.82	0.226	0.98	0.000	0.517	0.68	1.10	0.75
8.25	126.33	0.471	63.93	0.228	0.98	0.000	0.517	0.68	1.10	0.75
8.30	126.43	0.474	64.03	0.229	0.98	0.000	0.517	0.68	1.10	0.75
8.35	126.54	0.477	64.14	0.231	0.98	0.000	0.517	0.68	1.10	0.75
8.40	126.64	0.480	64.24	0.232	0.98	0.000	0.517	0.68	1.10	0.75
8.45	126.75	0.483	64.35	0.234	0.98	0.000	0.517	0.68	1.10	0.75
8.50	126.85	0.486	64.45	0.235	0.98	0.000	0.517	0.68	1.10	0.75
8.55	126.96	0.489	64.56	0.237	0.98	0.000	0.517	0.68	1.10	0.75
8.60	127.06	0.492	64.66	0.238	0.98	0.000	0.517	0.68	1.10	0.75
8.65	127.17	0.495	64.77	0.240	0.98	0.000	0.517	0.68	1.10	0.75
8.70	127.27	0.498	64.87	0.241	0.98	0.000	0.517	0.68	1.10	0.75
8.75	127.38	0.501	64.98	0.243	0.98	0.000	0.517	0.68	1.10	0.75
8.80	127.48	0.504	65.08	0.245	0.98	0.000	0.517	0.68	1.10	0.75

8.85	127.59	0.507	65.19	0.246	0.98	0.000	0.517	0.68	1.10	0.75
8.90	127.69	0.510	65.29	0.248	0.98	0.000	0.517	0.68	1.10	0.75
8.95	127.80	0.513	65.40	0.249	0.98	0.000	0.517	0.68	1.10	0.75
9.00	127.90	0.516	65.50	0.251	0.98	0.000	0.517	0.68	1.10	0.75
9.05	128.01	0.519	65.61	0.252	0.98	0.000	0.517	0.68	1.10	0.74
9.10	128.11	0.522	65.71	0.254	0.98	0.000	0.517	0.68	1.10	0.74
9.15	128.22	0.525	65.82	0.255	0.98	0.000	0.517	0.68	1.10	0.74
9.20	128.32	0.528	65.92	0.257	0.98	0.000	0.517	0.68	1.10	0.74
9.25	128.43	0.531	66.03	0.258	0.98	0.000	0.517	0.68	1.10	0.74
9.30	128.53	0.534	66.13	0.260	0.98	0.000	0.517	0.68	1.10	0.74
9.35	128.64	0.537	66.24	0.262	0.98	0.000	0.517	0.68	1.10	0.74
9.40	128.74	0.540	66.34	0.263	0.98	0.000	0.517	0.67	1.10	0.74
9.45	128.85	0.543	66.45	0.265	0.98	0.000	0.517	0.67	1.10	0.74
9.50	128.95	0.546	66.55	0.266	0.98	0.000	0.517	0.67	1.10	0.74
9.55	129.06	0.549	66.66	0.268	0.98	0.000	0.517	0.67	1.10	0.74
9.60	129.16	0.552	66.76	0.269	0.98	0.000	0.517	0.67	1.10	0.74
9.65	129.27	0.556	66.87	0.271	0.98	0.000	0.517	0.67	1.10	0.74
9.70	129.37	0.559	66.97	0.273	0.98	0.000	0.517	0.67	1.10	0.74
9.75	129.48	0.562	67.08	0.274	0.98	0.000	0.517	0.67	1.10	0.74
9.80	129.58	0.565	67.18	0.276	0.98	0.000	0.517	0.67	1.10	0.74
9.85	129.69	0.568	67.29	0.277	0.98	0.000	0.517	0.67	1.10	0.74
9.90	129.79	0.571	67.39	0.279	0.98	0.000	0.517	0.67	1.10	0.74
9.95	129.90	0.574	67.50	0.281	0.98	0.000	0.517	0.67	1.10	0.74
10.00	130.00	0.577	67.60	0.282	0.98	0.000	0.517	0.67	1.10	0.74
10.05	129.97	0.580	67.57	0.284	0.98	0.000	0.517	0.67	1.10	0.74
10.10	129.95	0.583	67.55	0.285	0.98	0.000	0.517	0.67	1.10	0.74
10.15	129.92	0.586	67.52	0.287	0.98	0.000	0.517	0.67	1.10	0.74
10.20	129.89	0.589	67.49	0.288	0.98	0.000	0.517	0.67	1.10	0.74
10.25	129.86	0.592	67.46	0.290	0.98	0.000	0.517	0.67	1.10	0.74
10.30	129.84	0.595	67.44	0.292	0.98	0.000	0.517	0.67	1.10	0.74
10.35	129.81	0.598	67.41	0.293	0.98	0.000	0.517	0.67	1.10	0.74
10.40	129.78	0.602	67.38	0.295	0.98	0.000	0.517	0.67	1.10	0.74
10.45	129.76	0.605	67.36	0.296	0.98	0.000	0.517	0.67	1.10	0.74
10.50	129.73	0.608	67.33	0.298	0.98	0.000	0.517	0.67	1.10	0.74
10.55	129.70	0.611	67.30	0.300	0.98	0.000	0.517	0.67	1.10	0.73
10.60	129.68	0.614	67.28	0.301	0.98	0.000	0.517	0.67	1.10	0.73
10.65	129.65	0.617	67.25	0.303	0.98	0.000	0.517	0.67	1.10	0.73
10.70	129.62	0.620	67.22	0.304	0.98	0.000	0.517	0.67	1.10	0.73
10.75	129.59	0.623	67.19	0.306	0.97	0.000	0.517	0.67	1.10	0.73
10.80	129.57	0.626	67.17	0.308	0.97	0.000	0.517	0.67	1.10	0.73
10.85	129.54	0.629	67.14	0.309	0.97	0.000	0.517	0.67	1.10	0.73
10.90	129.51	0.632	67.11	0.311	0.97	0.000	0.517	0.67	1.10	0.73
10.95	129.49	0.635	67.09	0.312	0.97	0.000	0.517	0.67	1.10	0.73
11.00	129.46	0.638	67.06	0.314	0.97	0.000	0.517	0.67	1.10	0.73
11.05	129.43	0.641	67.03	0.316	0.97	0.000	0.517	0.67	1.10	0.73
11.10	129.41	0.644	67.01	0.317	0.97	0.000	0.517	0.67	1.10	0.73
11.15	129.38	0.647	66.98	0.319	0.97	0.000	0.517	0.67	1.10	0.73
11.20	129.35	0.651	66.95	0.320	0.97	0.000	0.517	0.66	1.10	0.73
11.25	129.32	0.654	66.92	0.322	0.97	0.000	0.517	0.66	1.10	0.73
11.30	129.30	0.657	66.90	0.323	0.97	0.000	0.517	0.66	1.10	0.73
11.35	129.27	0.660	66.87	0.325	0.97	0.000	0.517	0.66	1.10	0.73
11.40	129.24	0.663	66.84	0.327	0.97	0.000	0.517	0.66	1.10	0.73
11.45	129.22	0.666	66.82	0.328	0.97	0.000	0.517	0.66	1.10	0.73
11.50	129.19	0.669	66.79	0.330	0.97	0.000	0.517	0.66	1.10	0.73
11.55	129.16	0.672	66.76	0.331	0.97	0.000	0.517	0.66	1.10	0.73
11.60	129.14	0.675	66.74	0.333	0.97	0.000	0.517	0.66	1.10	0.73
11.65	129.11	0.678	66.71	0.334	0.97	0.000	0.517	0.66	1.10	0.73
11.70	129.08	0.681	66.68	0.336	0.97	0.000	0.517	0.66	1.10	0.73
11.75	129.05	0.684	66.65	0.338	0.97	0.000	0.517	0.66	1.10	0.73
11.80	129.03	0.687	66.63	0.339	0.97	0.000	0.517	0.66	1.10	0.73
11.85	129.00	0.690	66.60	0.341	0.97	0.000	0.517	0.66	1.10	0.73
11.90	128.97	0.693	66.57	0.342	0.97	0.000	0.517	0.66	1.10	0.73
11.95	128.95	0.696	66.55	0.344	0.97	0.000	0.517	0.66	1.10	0.73
12.00	128.92	0.699	66.52	0.345	0.97	0.000	0.517	0.66	1.10	0.73
12.05	128.89	0.702	66.49	0.347	0.97	0.000	0.517	0.66	1.10	0.73
12.10	128.87	0.705	66.47	0.349	0.97	0.000	0.517	0.66	1.10	0.73
12.15	128.84	0.708	66.44	0.350	0.97	0.000	0.517	0.66	1.10	0.73
12.20	128.81	0.712	66.41	0.352	0.97	0.000	0.517	0.66	1.10	0.73
12.25	128.78	0.715	66.38	0.353	0.97	0.000	0.517	0.66	1.10	0.73
12.30	128.76	0.718	66.36	0.355	0.97	0.000	0.517	0.66	1.10	0.73
12.35	128.73	0.721	66.33	0.356	0.97	0.000	0.517	0.66	1.10	0.73
12.40	128.70	0.724	66.30	0.358	0.97	0.000	0.517	0.66	1.10	0.73
12.45	128.68	0.727	66.28	0.360	0.97	0.000	0.517	0.66	1.10	0.73

12.50	128.65	0.730	66.25	0.361	0.97	0.000	0.517	0.66	1.10	0.73
12.55	128.62	0.733	66.22	0.363	0.97	0.000	0.517	0.66	1.10	0.72
12.60	128.60	0.736	66.20	0.364	0.97	0.000	0.517	0.66	1.10	0.72
12.65	128.57	0.739	66.17	0.366	0.97	0.000	0.517	0.66	1.10	0.72
12.70	128.54	0.742	66.14	0.367	0.97	0.000	0.517	0.66	1.10	0.72
12.75	128.51	0.745	66.11	0.369	0.97	0.000	0.517	0.66	1.10	0.72
12.80	128.49	0.748	66.09	0.371	0.97	0.000	0.517	0.66	1.10	0.72
12.85	128.46	0.751	66.06	0.372	0.97	0.000	0.517	0.66	1.10	0.72
12.90	128.43	0.754	66.03	0.374	0.97	0.000	0.517	0.66	1.10	0.72
12.95	128.41	0.757	66.01	0.375	0.97	0.000	0.517	0.66	1.10	0.72
13.00	128.38	0.760	65.98	0.377	0.97	0.000	0.517	0.66	1.10	0.72
13.05	128.35	0.763	65.95	0.378	0.97	0.000	0.517	0.66	1.10	0.72
13.10	128.33	0.766	65.93	0.380	0.97	0.000	0.517	0.66	1.10	0.72
13.15	128.30	0.769	65.90	0.381	0.97	0.000	0.517	0.66	1.10	0.72
13.20	128.27	0.772	65.87	0.383	0.97	0.000	0.517	0.66	1.10	0.72
13.25	128.24	0.775	65.84	0.385	0.97	0.000	0.517	0.66	1.10	0.72
13.30	128.22	0.778	65.82	0.386	0.97	0.000	0.517	0.66	1.10	0.72
13.35	128.19	0.781	65.79	0.388	0.97	0.000	0.517	0.66	1.10	0.72
13.40	128.16	0.784	65.76	0.389	0.97	0.000	0.517	0.66	1.10	0.72
13.45	128.14	0.787	65.74	0.391	0.97	0.000	0.517	0.66	1.10	0.72
13.50	128.11	0.790	65.71	0.392	0.97	0.000	0.517	0.66	1.10	0.72
13.55	128.08	0.793	65.68	0.394	0.97	0.000	0.517	0.66	1.10	0.72
13.60	128.06	0.796	65.66	0.395	0.97	0.000	0.517	0.66	1.10	0.72
13.65	128.03	0.800	65.63	0.397	0.97	0.000	0.517	0.66	1.10	0.72
13.70	128.00	0.803	65.60	0.399	0.97	0.000	0.517	0.66	1.10	0.72
13.75	127.97	0.806	65.57	0.400	0.97	0.000	0.517	0.65	1.10	0.72
13.80	127.95	0.809	65.55	0.402	0.97	0.000	0.517	0.65	1.10	0.72
13.85	127.92	0.812	65.52	0.403	0.97	0.000	0.517	0.65	1.10	0.72
13.90	127.89	0.815	65.49	0.405	0.97	0.000	0.517	0.65	1.10	0.72
13.95	127.87	0.818	65.47	0.406	0.97	0.000	0.517	0.65	1.10	0.72
14.00	127.84	0.821	65.44	0.408	0.97	0.000	0.517	0.65	1.10	0.72
14.05	127.81	0.824	65.41	0.409	0.97	0.000	0.517	0.65	1.10	0.72
14.10	127.79	0.827	65.39	0.411	0.97	0.000	0.517	0.65	1.10	0.72
14.15	127.76	0.830	65.36	0.413	0.97	0.000	0.517	0.65	1.10	0.72
14.20	127.73	0.833	65.33	0.414	0.97	0.000	0.517	0.65	1.10	0.72
14.25	127.70	0.836	65.30	0.416	0.97	0.000	0.517	0.65	1.10	0.72
14.30	127.68	0.839	65.28	0.417	0.97	0.000	0.517	0.65	1.10	0.72
14.35	127.65	0.842	65.25	0.419	0.97	0.000	0.517	0.65	1.10	0.72
14.40	127.62	0.845	65.22	0.420	0.97	0.000	0.517	0.65	1.10	0.72
14.45	127.60	0.848	65.20	0.422	0.97	0.000	0.517	0.65	1.10	0.72
14.50	127.57	0.851	65.17	0.423	0.97	0.000	0.517	0.65	1.10	0.72
14.55	127.54	0.854	65.14	0.425	0.97	0.000	0.517	0.65	1.10	0.72
14.60	127.52	0.857	65.12	0.426	0.97	0.000	0.517	0.65	1.10	0.72
14.65	127.49	0.860	65.09	0.428	0.97	0.000	0.517	0.65	1.10	0.72
14.70	127.46	0.863	65.06	0.429	0.97	0.000	0.517	0.65	1.10	0.72
14.75	127.43	0.866	65.03	0.431	0.97	0.000	0.517	0.65	1.10	0.72
14.80	127.41	0.869	65.01	0.433	0.97	0.000	0.517	0.65	1.10	0.72
14.85	127.38	0.872	64.98	0.434	0.97	0.000	0.517	0.65	1.10	0.72
14.90	127.35	0.875	64.95	0.436	0.97	0.000	0.517	0.65	1.10	0.72
14.95	127.33	0.878	64.93	0.437	0.97	0.000	0.517	0.65	1.10	0.72
15.00	127.30	0.881	64.90	0.439	0.97	0.000	0.517	0.65	1.10	0.72
15.05	127.25	0.884	64.85	0.440	0.96	0.000	0.517	0.65	1.10	0.72
15.10	127.20	0.887	64.80	0.442	0.96	0.000	0.517	0.65	1.10	0.72
15.15	127.16	0.890	64.76	0.443	0.96	0.000	0.517	0.65	1.10	0.72
15.20	127.11	0.893	64.71	0.445	0.96	0.000	0.517	0.65	1.10	0.72
15.25	127.06	0.896	64.66	0.446	0.96	0.000	0.517	0.65	1.10	0.72
15.30	127.01	0.899	64.61	0.448	0.96	0.000	0.517	0.65	1.10	0.72
15.35	126.96	0.902	64.56	0.449	0.96	0.000	0.517	0.65	1.10	0.72
15.40	126.92	0.905	64.52	0.451	0.96	0.000	0.517	0.65	1.10	0.72
15.45	126.87	0.908	64.47	0.452	0.96	0.000	0.517	0.65	1.10	0.72
15.50	126.82	0.911	64.42	0.454	0.96	0.000	0.517	0.65	1.10	0.72
15.55	126.77	0.914	64.37	0.455	0.96	0.000	0.517	0.65	1.10	0.71
15.60	126.72	0.917	64.32	0.457	0.96	0.000	0.517	0.65	1.10	0.71
15.65	126.68	0.920	64.28	0.459	0.96	0.000	0.517	0.65	1.10	0.71
15.70	126.63	0.923	64.23	0.460	0.96	0.000	0.517	0.65	1.10	0.71
15.75	126.58	0.926	64.18	0.462	0.96	0.000	0.517	0.65	1.10	0.71
15.80	126.53	0.929	64.13	0.463	0.96	0.000	0.517	0.65	1.10	0.71
15.85	126.48	0.932	64.08	0.465	0.96	0.000	0.517	0.65	1.10	0.71
15.90	126.44	0.935	64.04	0.466	0.96	0.000	0.517	0.65	1.10	0.71
15.95	126.39	0.938	63.99	0.468	0.96	0.000	0.517	0.65	1.10	0.71
16.00	126.34	0.941	63.94	0.469	0.96	0.000	0.517	0.65	1.10	0.71
16.05	126.29	0.944	63.89	0.471	0.96	0.000	0.517	0.65	1.10	0.71
16.10	126.24	0.947	63.84	0.472	0.96	0.000	0.517	0.65	1.10	0.71

16.15	126.20	0.950	63.80	0.474	0.96	0.000	0.517	0.65	1.10	0.71
16.20	126.15	0.953	63.75	0.475	0.96	0.000	0.517	0.65	1.10	0.71
16.25	126.10	0.956	63.70	0.477	0.96	0.000	0.517	0.65	1.10	0.71
16.30	126.05	0.959	63.65	0.478	0.96	0.000	0.517	0.65	1.10	0.71
16.35	126.00	0.962	63.60	0.480	0.96	0.000	0.517	0.65	1.10	0.71
16.40	125.96	0.965	63.56	0.481	0.96	0.000	0.517	0.65	1.10	0.71
16.45	125.91	0.968	63.51	0.483	0.96	0.000	0.517	0.65	1.10	0.71
16.50	125.86	0.971	63.46	0.484	0.96	0.000	0.517	0.65	1.10	0.71
16.55	125.81	0.974	63.41	0.486	0.96	0.000	0.517	0.65	1.10	0.71
16.60	125.76	0.977	63.36	0.487	0.96	0.000	0.517	0.65	1.10	0.71
16.65	125.72	0.980	63.32	0.489	0.96	0.000	0.517	0.65	1.10	0.71
16.70	125.67	0.983	63.27	0.490	0.96	0.000	0.517	0.65	1.10	0.71
16.75	125.62	0.986	63.22	0.492	0.96	0.000	0.517	0.65	1.10	0.71
16.80	125.57	0.989	63.17	0.493	0.96	0.000	0.517	0.65	1.10	0.71
16.85	125.52	0.991	63.12	0.495	0.96	0.000	0.517	0.65	1.10	0.71
16.90	125.48	0.994	63.08	0.496	0.96	0.000	0.517	0.65	1.10	0.71
16.95	125.43	0.997	63.03	0.498	0.96	0.000	0.517	0.65	1.10	0.71
17.00	125.38	1.000	62.98	0.499	0.96	0.000	0.517	0.65	1.10	0.71
17.05	125.33	1.003	62.93	0.501	0.96	0.000	0.517	0.65	1.10	0.71
17.10	125.28	1.006	62.88	0.502	0.96	0.000	0.517	0.65	1.10	0.71
17.15	125.24	1.009	62.84	0.504	0.96	0.000	0.517	0.65	1.10	0.71
17.20	125.19	1.012	62.79	0.505	0.96	0.000	0.517	0.65	1.10	0.71
17.25	125.14	1.015	62.74	0.507	0.96	0.000	0.517	0.65	1.10	0.71
17.30	125.09	1.018	62.69	0.508	0.96	0.000	0.517	0.65	1.10	0.71
17.35	125.04	1.021	62.64	0.510	0.96	0.000	0.517	0.65	1.10	0.71
17.40	125.00	1.024	62.60	0.511	0.96	0.000	0.517	0.65	1.10	0.71
17.45	124.95	1.027	62.55	0.512	0.96	0.000	0.517	0.65	1.10	0.71
17.50	124.90	1.030	62.50	0.514	0.96	0.000	0.517	0.65	1.10	0.71
17.55	124.85	1.033	62.45	0.515	0.96	0.000	0.517	0.65	1.10	0.71
17.60	124.80	1.036	62.40	0.517	0.96	0.000	0.517	0.65	1.10	0.71
17.65	124.76	1.039	62.36	0.518	0.96	0.000	0.517	0.65	1.10	0.71
17.70	124.71	1.042	62.31	0.520	0.96	0.000	0.517	0.65	1.10	0.71
17.75	124.66	1.045	62.26	0.521	0.96	0.000	0.517	0.65	1.10	0.71
17.80	124.61	1.048	62.21	0.523	0.96	0.000	0.517	0.65	1.10	0.71
17.85	124.56	1.051	62.16	0.524	0.96	0.000	0.517	0.65	1.10	0.71
17.90	124.52	1.054	62.12	0.526	0.96	0.000	0.517	0.65	1.10	0.71
17.95	124.47	1.056	62.07	0.527	0.96	0.000	0.517	0.65	1.10	0.71
18.00	124.42	1.059	62.02	0.529	0.96	0.000	0.517	0.65	1.10	0.71
18.05	124.37	1.062	61.97	0.530	0.96	0.000	0.517	0.65	1.10	0.71
18.10	124.32	1.065	61.92	0.532	0.96	0.000	0.517	0.65	1.10	0.71
18.15	124.28	1.068	61.88	0.533	0.96	0.000	0.517	0.64	1.10	0.71
18.20	124.23	1.071	61.83	0.535	0.96	0.000	0.517	0.64	1.10	0.71
18.25	124.18	1.074	61.78	0.536	0.96	0.000	0.517	0.64	1.10	0.71
18.30	124.13	1.077	61.73	0.537	0.96	0.000	0.517	0.64	1.10	0.71
18.35	124.08	1.080	61.68	0.539	0.96	0.000	0.517	0.64	1.10	0.71
18.40	124.04	1.083	61.64	0.540	0.96	0.000	0.517	0.64	1.10	0.71
18.45	123.99	1.086	61.59	0.542	0.96	0.000	0.517	0.64	1.10	0.71
18.50	123.94	1.089	61.54	0.543	0.96	0.000	0.517	0.64	1.10	0.71
18.55	123.89	1.092	61.49	0.545	0.96	0.000	0.517	0.64	1.10	0.71
18.60	123.84	1.095	61.44	0.546	0.96	0.000	0.517	0.64	1.10	0.71
18.65	123.80	1.098	61.40	0.548	0.96	0.000	0.517	0.64	1.10	0.71
18.70	123.75	1.100	61.35	0.549	0.96	0.000	0.517	0.64	1.10	0.71
18.75	123.70	1.103	61.30	0.551	0.96	0.000	0.517	0.64	1.10	0.71
18.80	123.65	1.106	61.25	0.552	0.96	0.000	0.517	0.64	1.10	0.71
18.85	123.60	1.109	61.20	0.553	0.96	0.000	0.517	0.64	1.10	0.71
18.90	123.56	1.112	61.16	0.555	0.96	0.000	0.517	0.64	1.10	0.71
18.95	123.51	1.115	61.11	0.556	0.96	0.000	0.517	0.64	1.10	0.71
19.00	123.46	1.118	61.06	0.558	0.96	0.000	0.517	0.64	1.10	0.71
19.05	123.41	1.121	61.01	0.559	0.96	0.000	0.517	0.64	1.10	0.71
19.10	123.36	1.124	60.96	0.561	0.96	0.000	0.517	0.64	1.10	0.71
19.15	123.32	1.127	60.92	0.562	0.96	0.000	0.517	0.64	1.10	0.71
19.20	123.27	1.130	60.87	0.564	0.96	0.000	0.517	0.64	1.10	0.71
19.25	123.22	1.133	60.82	0.565	0.96	0.000	0.517	0.64	1.10	0.71
19.30	123.17	1.135	60.77	0.566	0.96	0.000	0.517	0.64	1.10	0.71
19.35	123.12	1.138	60.72	0.568	0.95	0.000	0.517	0.64	1.10	0.71
19.40	123.08	1.141	60.68	0.569	0.95	0.000	0.517	0.64	1.10	0.71
19.45	123.03	1.144	60.63	0.571	0.95	0.000	0.517	0.64	1.10	0.71
19.50	122.98	1.147	60.58	0.572	0.95	0.000	0.517	0.64	1.10	0.71
19.55	122.93	1.150	60.53	0.574	0.95	0.000	0.517	0.64	1.10	0.71
19.60	122.88	1.153	60.48	0.575	0.95	0.000	0.517	0.64	1.10	0.71
19.65	122.84	1.156	60.44	0.576	0.95	0.000	0.517	0.64	1.10	0.71
19.70	122.79	1.159	60.39	0.578	0.95	0.000	0.517	0.64	1.10	0.71
19.75	122.74	1.162	60.34	0.579	0.95	0.000	0.517	0.64	1.10	0.71

19.80	122.69	1.165	60.29	0.581	0.95	0.000	0.517	0.64	1.10	0.71
19.85	122.64	1.167	60.24	0.582	0.95	0.000	0.517	0.64	1.10	0.71
19.90	122.60	1.170	60.20	0.584	0.95	0.000	0.517	0.64	1.10	0.71
19.95	122.55	1.173	60.15	0.585	0.95	0.000	0.517	0.64	1.10	0.71
20.00	122.50	1.176	60.10	0.586	0.95	0.000	0.517	0.64	1.10	0.71
20.05	122.48	1.179	60.08	0.588	0.95	0.000	0.517	0.64	1.10	0.71
20.10	122.46	1.182	60.06	0.589	0.95	0.000	0.517	0.64	1.10	0.71
20.15	122.44	1.185	60.04	0.591	0.95	0.000	0.517	0.64	1.10	0.71
20.20	122.42	1.188	60.02	0.592	0.95	0.000	0.517	0.64	1.10	0.71
20.25	122.40	1.191	60.00	0.593	0.95	0.000	0.517	0.64	1.10	0.71
20.30	122.38	1.193	59.98	0.595	0.95	0.000	0.517	0.64	1.10	0.71
20.35	122.36	1.196	59.96	0.596	0.95	0.000	0.517	0.64	1.10	0.71
20.40	122.34	1.199	59.94	0.598	0.95	0.000	0.517	0.64	1.10	0.71
20.45	122.32	1.202	59.92	0.599	0.95	0.000	0.517	0.64	1.10	0.71
20.50	122.30	1.205	59.90	0.601	0.95	0.000	0.517	0.64	1.10	0.71
20.55	122.28	1.208	59.88	0.602	0.95	0.000	0.517	0.64	1.10	0.71
20.60	122.26	1.211	59.86	0.603	0.95	0.000	0.517	0.64	1.10	0.71
20.65	122.24	1.214	59.84	0.605	0.95	0.000	0.517	0.64	1.10	0.71
20.70	122.22	1.217	59.82	0.606	0.95	0.000	0.517	0.64	1.10	0.71
20.75	122.20	1.219	59.80	0.608	0.95	0.000	0.517	0.64	1.10	0.71
20.80	122.18	1.222	59.78	0.609	0.95	0.000	0.517	0.64	1.10	0.71
20.85	122.16	1.225	59.76	0.610	0.95	0.000	0.517	0.64	1.10	0.71
20.90	122.14	1.228	59.74	0.612	0.95	0.000	0.517	0.64	1.10	0.71
20.95	122.12	1.231	59.72	0.613	0.95	0.000	0.517	0.64	1.10	0.71
21.00	122.10	1.234	59.70	0.615	0.95	0.000	0.517	0.64	1.10	0.71
21.05	122.08	1.237	59.68	0.616	0.95	0.000	0.517	0.64	1.10	0.71
21.10	122.06	1.240	59.66	0.618	0.95	0.000	0.517	0.64	1.10	0.71
21.15	122.04	1.243	59.64	0.619	0.95	0.000	0.517	0.64	1.10	0.71
21.20	122.02	1.245	59.62	0.620	0.95	0.000	0.517	0.64	1.10	0.71
21.25	122.00	1.248	59.60	0.622	0.95	0.000	0.517	0.64	1.10	0.71
21.30	121.98	1.251	59.58	0.623	0.95	0.000	0.517	0.64	1.10	0.71
21.35	121.96	1.254	59.56	0.625	0.95	0.000	0.517	0.64	1.10	0.71
21.40	121.94	1.257	59.54	0.626	0.95	0.000	0.517	0.64	1.10	0.71
21.45	121.92	1.260	59.52	0.627	0.95	0.000	0.517	0.64	1.10	0.71
21.50	121.90	1.263	59.50	0.629	0.95	0.000	0.517	0.64	1.10	0.71
21.55	121.88	1.266	59.48	0.630	0.95	0.000	0.517	0.64	1.10	0.71
21.60	121.86	1.269	59.46	0.632	0.95	0.000	0.517	0.64	1.10	0.71
21.65	121.84	1.271	59.44	0.633	0.95	0.000	0.517	0.64	1.10	0.70
21.70	121.82	1.274	59.42	0.634	0.95	0.000	0.517	0.64	1.10	0.70
21.75	121.80	1.277	59.40	0.636	0.95	0.000	0.517	0.64	1.10	0.70
21.80	121.78	1.280	59.38	0.637	0.95	0.000	0.517	0.64	1.10	0.70
21.85	121.76	1.283	59.36	0.639	0.95	0.000	0.517	0.64	1.10	0.70
21.90	121.74	1.286	59.34	0.640	0.95	0.000	0.517	0.64	1.10	0.70
21.95	121.72	1.289	59.32	0.641	0.95	0.000	0.517	0.64	1.10	0.70
22.00	121.70	1.292	59.30	0.643	0.95	0.000	0.517	0.64	1.10	0.70
22.05	121.68	1.294	59.28	0.644	0.95	0.000	0.517	0.64	1.10	0.70
22.10	121.66	1.297	59.26	0.646	0.95	0.000	0.517	0.64	1.10	0.70
22.15	121.64	1.300	59.24	0.647	0.95	0.000	0.517	0.64	1.10	0.70
22.20	121.62	1.303	59.22	0.648	0.95	0.000	0.517	0.64	1.10	0.70
22.25	121.60	1.306	59.20	0.650	0.95	0.000	0.517	0.64	1.10	0.70
22.30	121.58	1.309	59.18	0.651	0.95	0.000	0.517	0.64	1.10	0.70
22.35	121.56	1.312	59.16	0.653	0.95	0.000	0.517	0.64	1.10	0.70
22.40	121.54	1.315	59.14	0.654	0.95	0.000	0.517	0.64	1.10	0.70
22.45	121.52	1.317	59.12	0.655	0.95	0.000	0.517	0.64	1.10	0.70
22.50	121.50	1.320	59.10	0.657	0.95	0.000	0.517	0.64	1.10	0.70
22.55	121.48	1.323	59.08	0.658	0.95	0.000	0.517	0.64	1.10	0.70
22.60	121.46	1.326	59.06	0.660	0.95	0.000	0.517	0.64	1.10	0.70
22.65	121.44	1.329	59.04	0.661	0.95	0.000	0.517	0.64	1.10	0.70
22.70	121.42	1.332	59.02	0.662	0.95	0.000	0.517	0.64	1.10	0.70
22.75	121.40	1.335	59.00	0.664	0.95	0.000	0.517	0.64	1.10	0.70
22.80	121.38	1.337	58.98	0.665	0.95	0.000	0.517	0.64	1.10	0.70
22.85	121.36	1.340	58.96	0.667	0.95	0.000	0.517	0.64	1.10	0.70
22.90	121.34	1.343	58.94	0.668	0.95	0.000	0.517	0.64	1.10	0.70
22.95	121.32	1.346	58.92	0.669	0.95	0.000	0.517	0.64	1.10	0.70
23.00	121.30	1.349	58.90	0.671	0.95	0.000	0.517	0.64	1.10	0.70
23.05	121.28	1.352	58.88	0.672	0.95	0.000	0.517	0.64	1.10	0.70
23.10	121.26	1.355	58.86	0.674	0.95	0.000	0.517	0.64	1.10	0.70
23.15	121.24	1.358	58.84	0.675	0.95	0.000	0.517	0.64	1.10	0.70
23.20	121.22	1.360	58.82	0.676	0.95	0.000	0.517	0.64	1.10	0.70
23.25	121.20	1.363	58.80	0.678	0.95	0.000	0.517	0.64	1.10	0.70
23.30	121.18	1.366	58.78	0.679	0.95	0.000	0.517	0.64	1.10	0.70
23.35	121.16	1.369	58.76	0.680	0.95	0.000	0.517	0.64	1.10	0.70
23.40	121.14	1.372	58.74	0.682	0.95	0.000	0.517	0.64	1.10	0.70

23.45	121.12	1.375	58.72	0.683	0.95	0.000	0.517	0.64	1.10	0.70
23.50	121.10	1.378	58.70	0.685	0.95	0.000	0.517	0.64	1.10	0.70
23.55	121.08	1.380	58.68	0.686	0.95	0.000	0.517	0.64	1.10	0.70
23.60	121.06	1.383	58.66	0.687	0.94	0.000	0.517	0.64	1.10	0.70
23.65	121.04	1.386	58.64	0.689	0.94	0.000	0.517	0.64	1.10	0.70
23.70	121.02	1.389	58.62	0.690	0.94	0.000	0.517	0.64	1.10	0.70
23.75	121.00	1.392	58.60	0.692	0.94	0.000	0.517	0.64	1.10	0.70
23.80	120.98	1.395	58.58	0.693	0.94	0.000	0.517	0.64	1.10	0.70
23.85	120.96	1.398	58.56	0.694	0.94	0.000	0.517	0.64	1.10	0.70
23.90	120.94	1.400	58.54	0.696	0.94	0.000	0.517	0.64	1.10	0.70
23.95	120.92	1.403	58.52	0.697	0.94	0.000	0.517	0.64	1.10	0.70
24.00	120.90	1.406	58.50	0.698	0.94	0.000	0.517	0.64	1.10	0.70
24.05	120.88	1.409	58.48	0.700	0.94	0.000	0.517	0.64	1.10	0.70
24.10	120.86	1.412	58.46	0.701	0.94	0.000	0.517	0.64	1.10	0.70
24.15	120.84	1.415	58.44	0.703	0.94	0.000	0.517	0.64	1.10	0.70
24.20	120.82	1.418	58.42	0.704	0.94	0.000	0.517	0.64	1.10	0.70
24.25	120.80	1.420	58.40	0.705	0.94	0.000	0.517	0.64	1.10	0.70
24.30	120.78	1.423	58.38	0.707	0.94	0.000	0.517	0.64	1.10	0.70
24.35	120.76	1.426	58.36	0.708	0.94	0.000	0.517	0.64	1.10	0.70
24.40	120.74	1.429	58.34	0.710	0.94	0.000	0.517	0.64	1.10	0.70
24.45	120.72	1.432	58.32	0.711	0.94	0.000	0.517	0.64	1.10	0.70
24.50	120.70	1.435	58.30	0.712	0.94	0.000	0.517	0.64	1.10	0.70
24.55	120.68	1.438	58.28	0.714	0.94	0.000	0.517	0.64	1.10	0.70
24.60	120.66	1.440	58.26	0.715	0.94	0.000	0.517	0.64	1.10	0.70
24.65	120.64	1.443	58.24	0.716	0.94	0.000	0.517	0.64	1.10	0.70
24.70	120.62	1.446	58.22	0.718	0.94	0.000	0.517	0.64	1.10	0.70
24.75	120.60	1.449	58.20	0.719	0.94	0.000	0.517	0.64	1.10	0.70
24.80	120.58	1.452	58.18	0.721	0.94	0.000	0.517	0.64	1.10	0.70
24.85	120.56	1.455	58.16	0.722	0.94	0.000	0.517	0.64	1.10	0.70
24.90	120.54	1.458	58.14	0.723	0.94	0.000	0.517	0.64	1.10	0.70
24.95	120.52	1.460	58.12	0.725	0.94	0.000	0.517	0.64	1.10	0.70
25.00	120.50	1.463	58.10	0.726	0.94	0.000	0.517	0.64	1.10	0.70
25.05	120.52	1.466	58.12	0.727	0.94	0.000	0.517	0.64	1.10	0.70
25.10	120.53	1.469	58.13	0.729	0.94	0.000	0.517	0.64	1.10	0.70
25.15	120.55	1.472	58.15	0.730	0.94	0.000	0.517	0.64	1.10	0.70
25.20	120.56	1.475	58.16	0.732	0.94	0.000	0.517	0.64	1.10	0.70
25.25	120.58	1.477	58.18	0.733	0.94	0.000	0.517	0.64	1.10	0.70
25.30	120.60	1.480	58.20	0.734	0.94	0.000	0.517	0.64	1.10	0.70
25.35	120.61	1.483	58.21	0.736	0.94	0.000	0.517	0.64	1.10	0.70
25.40	120.63	1.486	58.23	0.737	0.94	0.000	0.517	0.64	1.10	0.70
25.45	120.64	1.489	58.24	0.738	0.94	0.000	0.517	0.64	1.10	0.70
25.50	120.66	1.492	58.26	0.740	0.94	0.000	0.517	0.64	1.10	0.70
25.55	120.68	1.495	58.28	0.741	0.94	0.000	0.517	0.64	1.10	0.70
25.60	120.69	1.497	58.29	0.743	0.94	0.000	0.517	0.64	1.10	0.70
25.65	120.71	1.500	58.31	0.744	0.94	0.000	0.517	0.64	1.10	0.70
25.70	120.72	1.503	58.32	0.745	0.94	0.000	0.517	0.64	1.10	0.70
25.75	120.74	1.506	58.34	0.747	0.94	0.000	0.517	0.64	1.10	0.70
25.80	120.76	1.509	58.36	0.748	0.94	0.000	0.517	0.64	1.10	0.70
25.85	120.77	1.512	58.37	0.749	0.94	0.000	0.517	0.64	1.10	0.70
25.90	120.79	1.515	58.39	0.751	0.94	0.000	0.517	0.64	1.10	0.70
25.95	120.80	1.517	58.40	0.752	0.94	0.000	0.517	0.64	1.10	0.70
26.00	120.82	1.520	58.42	0.754	0.94	0.000	0.517	0.64	1.10	0.70
26.05	120.84	1.523	58.44	0.755	0.94	0.000	0.517	0.64	1.10	0.70
26.10	120.85	1.526	58.45	0.756	0.94	0.000	0.517	0.64	1.10	0.70
26.15	120.87	1.529	58.47	0.758	0.94	0.000	0.517	0.64	1.10	0.70
26.20	120.88	1.532	58.48	0.759	0.94	0.000	0.517	0.64	1.10	0.70
26.25	120.90	1.535	58.50	0.760	0.94	0.000	0.517	0.64	1.10	0.70
26.30	120.92	1.537	58.52	0.762	0.94	0.000	0.517	0.64	1.10	0.70
26.35	120.93	1.540	58.53	0.763	0.94	0.000	0.517	0.64	1.10	0.70
26.40	120.95	1.543	58.55	0.765	0.94	0.000	0.517	0.64	1.10	0.70
26.45	120.96	1.546	58.56	0.766	0.94	0.000	0.517	0.64	1.10	0.70
26.50	120.98	1.549	58.58	0.767	0.94	0.000	0.517	0.64	1.10	0.70
26.55	121.00	1.552	58.60	0.769	0.94	0.000	0.517	0.64	1.10	0.70
26.60	121.01	1.555	58.61	0.770	0.94	0.000	0.517	0.64	1.10	0.70
26.65	121.03	1.557	58.63	0.772	0.94	0.000	0.517	0.64	1.10	0.70
26.70	121.04	1.560	58.64	0.773	0.94	0.000	0.517	0.64	1.10	0.70
26.75	121.06	1.563	58.66	0.774	0.94	0.000	0.517	0.64	1.10	0.70
26.80	121.08	1.566	58.68	0.776	0.94	0.000	0.517	0.64	1.10	0.70
26.85	121.09	1.569	58.69	0.777	0.94	0.000	0.517	0.64	1.10	0.70
26.90	121.11	1.572	58.71	0.778	0.94	0.000	0.517	0.64	1.10	0.70
26.95	121.12	1.575	58.72	0.780	0.94	0.000	0.517	0.64	1.10	0.70
27.00	121.14	1.577	58.74	0.781	0.94	0.000	0.517	0.64	1.10	0.70
27.05	121.16	1.580	58.76	0.783	0.94	0.000	0.517	0.64	1.10	0.70

27.10	121.17	1.583	58.77	0.784	0.94	0.000	0.517	0.64	1.10	0.70
27.15	121.19	1.586	58.79	0.785	0.94	0.000	0.517	0.64	1.10	0.70
27.20	121.20	1.589	58.80	0.787	0.94	0.000	0.517	0.64	1.10	0.70
27.25	121.22	1.592	58.82	0.788	0.94	0.000	0.517	0.64	1.10	0.70
27.30	121.24	1.595	58.84	0.790	0.94	0.000	0.517	0.64	1.10	0.70
27.35	121.25	1.597	58.85	0.791	0.94	0.000	0.517	0.64	1.10	0.70
27.40	121.27	1.600	58.87	0.792	0.94	0.000	0.517	0.64	1.10	0.70
27.45	121.28	1.603	58.88	0.794	0.94	0.000	0.517	0.64	1.10	0.70
27.50	121.30	1.606	58.90	0.795	0.94	0.000	0.517	0.64	1.10	0.70
27.55	121.32	1.609	58.92	0.797	0.94	0.000	0.517	0.64	1.10	0.70
27.60	121.33	1.612	58.93	0.798	0.94	0.000	0.517	0.64	1.10	0.70
27.65	121.35	1.615	58.95	0.799	0.94	0.000	0.517	0.64	1.10	0.70
27.70	121.36	1.618	58.96	0.801	0.94	0.000	0.517	0.63	1.10	0.70
27.75	121.38	1.620	58.98	0.802	0.94	0.000	0.517	0.63	1.10	0.70
27.80	121.40	1.623	59.00	0.804	0.94	0.000	0.517	0.63	1.10	0.70
27.85	121.41	1.626	59.01	0.805	0.94	0.000	0.517	0.63	1.10	0.70
27.90	121.43	1.629	59.03	0.806	0.93	0.000	0.517	0.63	1.10	0.70
27.95	121.44	1.632	59.04	0.808	0.93	0.000	0.517	0.63	1.10	0.70
28.00	121.46	1.635	59.06	0.809	0.93	0.000	0.517	0.63	1.10	0.70
28.05	121.48	1.638	59.08	0.810	0.93	0.000	0.517	0.63	1.10	0.70
28.10	121.49	1.640	59.09	0.812	0.93	0.000	0.517	0.63	1.10	0.70
28.15	121.51	1.643	59.11	0.813	0.93	0.000	0.517	0.63	1.10	0.70
28.20	121.52	1.646	59.12	0.815	0.93	0.000	0.517	0.63	1.10	0.70
28.25	121.54	1.649	59.14	0.816	0.93	0.000	0.517	0.63	1.10	0.70
28.30	121.56	1.652	59.16	0.817	0.93	0.000	0.517	0.63	1.10	0.70
28.35	121.57	1.655	59.17	0.819	0.93	0.000	0.517	0.63	1.10	0.70
28.40	121.59	1.658	59.19	0.820	0.93	0.000	0.517	0.63	1.10	0.70
28.45	121.60	1.661	59.20	0.822	0.93	0.000	0.517	0.63	1.10	0.70
28.50	121.62	1.663	59.22	0.823	0.93	0.000	0.517	0.63	1.10	0.70
28.55	121.64	1.666	59.24	0.824	0.93	0.000	0.517	0.63	1.10	0.70
28.60	121.65	1.669	59.25	0.826	0.93	0.000	0.517	0.63	1.10	0.70
28.65	121.67	1.672	59.27	0.827	0.93	0.000	0.517	0.63	1.10	0.70
28.70	121.68	1.675	59.28	0.829	0.93	0.000	0.517	0.63	1.10	0.70
28.75	121.70	1.678	59.30	0.830	0.93	0.000	0.517	0.63	1.10	0.70
28.80	121.72	1.681	59.32	0.831	0.93	0.000	0.517	0.63	1.10	0.70
28.85	121.73	1.684	59.33	0.833	0.93	0.000	0.517	0.63	1.10	0.70
28.90	121.75	1.686	59.35	0.834	0.93	0.000	0.517	0.63	1.10	0.70
28.95	121.76	1.689	59.36	0.836	0.93	0.000	0.517	0.63	1.10	0.70
29.00	121.78	1.692	59.38	0.837	0.93	0.000	0.517	0.63	1.10	0.70
29.05	121.80	1.695	59.40	0.838	0.93	0.000	0.517	0.63	1.10	0.70
29.10	121.81	1.698	59.41	0.840	0.93	0.000	0.517	0.63	1.10	0.70
29.15	121.83	1.701	59.43	0.841	0.93	0.000	0.517	0.63	1.10	0.70
29.20	121.84	1.704	59.44	0.843	0.93	0.000	0.517	0.63	1.10	0.70
29.25	121.86	1.707	59.46	0.844	0.93	0.000	0.517	0.63	1.10	0.70
29.30	121.88	1.709	59.48	0.845	0.93	0.000	0.517	0.63	1.10	0.70
29.35	121.89	1.712	59.49	0.847	0.93	0.000	0.517	0.63	1.10	0.70
29.40	121.91	1.715	59.51	0.848	0.93	0.000	0.517	0.63	1.10	0.70
29.45	121.92	1.718	59.52	0.850	0.93	0.000	0.517	0.63	1.10	0.70
29.50	121.94	1.721	59.54	0.851	0.93	0.000	0.517	0.63	1.10	0.70
29.55	121.96	1.724	59.56	0.853	0.93	0.000	0.517	0.63	1.10	0.70
29.60	121.97	1.727	59.57	0.854	0.93	0.000	0.517	0.63	1.10	0.70
29.65	121.99	1.730	59.59	0.855	0.93	0.000	0.517	0.63	1.10	0.70
29.70	122.00	1.733	59.60	0.857	0.93	0.000	0.517	0.63	1.10	0.70
29.75	122.02	1.735	59.62	0.858	0.93	0.000	0.517	0.63	1.10	0.70
29.80	122.04	1.738	59.64	0.860	0.93	0.000	0.517	0.63	1.10	0.70
29.85	122.05	1.741	59.65	0.861	0.93	0.000	0.517	0.63	1.10	0.70
29.90	122.07	1.744	59.67	0.862	0.93	0.000	0.517	0.63	1.10	0.70
29.95	122.08	1.747	59.68	0.864	0.93	0.000	0.517	0.63	1.10	0.70
30.00	122.10	1.750	59.70	0.865	0.93	0.000	0.517	0.63	1.10	0.70
30.05	122.09	1.753	59.69	0.867	0.93	0.000	0.517	0.63	1.10	0.69
30.10	122.07	1.756	59.67	0.868	0.93	0.000	0.517	0.63	1.10	0.69
30.15	122.06	1.758	59.66	0.869	0.93	0.000	0.517	0.63	1.10	0.69
30.20	122.05	1.761	59.65	0.871	0.93	0.000	0.517	0.63	1.10	0.69
30.25	122.04	1.764	59.64	0.872	0.93	0.000	0.517	0.63	1.10	0.69
30.30	122.02	1.767	59.62	0.874	0.93	0.000	0.517	0.63	1.10	0.69
30.35	122.01	1.770	59.61	0.875	0.93	0.000	0.517	0.63	1.10	0.69
30.40	122.00	1.773	59.60	0.876	0.93	0.000	0.517	0.63	1.10	0.69
30.45	121.98	1.776	59.58	0.878	0.93	0.000	0.517	0.63	1.10	0.69
30.50	121.97	1.779	59.57	0.879	0.93	0.000	0.517	0.63	1.10	0.69
30.55	121.96	1.782	59.56	0.881	0.93	0.000	0.517	0.63	1.10	0.69
30.60	121.94	1.784	59.54	0.882	0.92	0.000	0.517	0.63	1.10	0.69
30.65	121.93	1.787	59.53	0.884	0.92	0.000	0.517	0.63	1.10	0.69
30.70	121.92	1.790	59.52	0.885	0.92	0.000	0.517	0.63	1.10	0.69

30.75	121.91	1.793	59.51	0.886	0.92	0.000	0.517	0.63	1.10	0.69
30.80	121.89	1.796	59.49	0.888	0.92	0.000	0.517	0.63	1.10	0.69
30.85	121.88	1.799	59.48	0.889	0.92	0.000	0.517	0.63	1.10	0.69
30.90	121.87	1.802	59.47	0.891	0.92	0.000	0.517	0.63	1.10	0.69
30.95	121.85	1.805	59.45	0.892	0.92	0.000	0.517	0.63	1.10	0.69
31.00	121.84	1.807	59.44	0.893	0.92	0.000	0.517	0.63	1.10	0.69
31.05	121.83	1.810	59.43	0.895	0.92	0.000	0.517	0.63	1.10	0.69
31.10	121.81	1.813	59.41	0.896	0.92	0.000	0.517	0.63	1.10	0.69
31.15	121.80	1.816	59.40	0.898	0.92	0.000	0.517	0.63	1.10	0.69
31.20	121.79	1.819	59.39	0.899	0.92	0.000	0.517	0.63	1.10	0.69
31.25	121.78	1.822	59.38	0.900	0.92	0.000	0.517	0.63	1.10	0.69
31.30	121.76	1.825	59.36	0.902	0.92	0.000	0.517	0.63	1.10	0.69
31.35	121.75	1.828	59.35	0.903	0.92	0.000	0.517	0.62	1.10	0.69
31.40	121.74	1.830	59.34	0.905	0.92	0.000	0.517	0.62	1.10	0.69
31.45	121.72	1.833	59.32	0.906	0.92	0.000	0.517	0.62	1.10	0.69
31.50	121.71	1.836	59.31	0.907	0.92	0.000	0.517	0.62	1.10	0.69
31.55	121.70	1.839	59.30	0.909	0.92	0.000	0.517	0.62	1.10	0.69
31.60	121.68	1.842	59.28	0.910	0.92	0.000	0.517	0.62	1.10	0.69
31.65	121.67	1.845	59.27	0.912	0.92	0.000	0.517	0.62	1.10	0.69
31.70	121.66	1.848	59.26	0.913	0.92	0.000	0.517	0.62	1.10	0.69
31.75	121.65	1.851	59.25	0.914	0.92	0.000	0.517	0.62	1.10	0.69
31.80	121.63	1.853	59.23	0.916	0.92	0.000	0.517	0.62	1.10	0.68
31.85	121.62	1.856	59.22	0.917	0.91	0.000	0.517	0.62	1.10	0.68
31.90	121.61	1.859	59.21	0.919	0.91	0.000	0.517	0.62	1.10	0.68
31.95	121.59	1.862	59.19	0.920	0.91	0.000	0.517	0.62	1.10	0.68
32.00	121.58	1.865	59.18	0.921	0.91	0.000	0.517	0.62	1.10	0.68
32.05	121.57	1.868	59.17	0.923	0.91	0.000	0.517	0.62	1.10	0.68
32.10	121.55	1.871	59.15	0.924	0.91	0.000	0.517	0.62	1.10	0.68
32.15	121.54	1.874	59.14	0.926	0.91	0.000	0.517	0.62	1.10	0.68
32.20	121.53	1.876	59.13	0.927	0.91	0.000	0.517	0.62	1.10	0.68
32.25	121.52	1.879	59.12	0.928	0.91	0.000	0.517	0.62	1.10	0.68
32.30	121.50	1.882	59.10	0.930	0.91	0.000	0.517	0.62	1.10	0.68
32.35	121.49	1.885	59.09	0.931	0.91	0.000	0.517	0.62	1.10	0.68
32.40	121.48	1.888	59.08	0.933	0.91	0.000	0.517	0.62	1.10	0.68
32.45	121.46	1.891	59.06	0.934	0.91	0.000	0.517	0.62	1.10	0.68
32.50	121.45	1.894	59.05	0.935	0.91	0.000	0.517	0.62	1.10	0.68
32.55	121.44	1.897	59.04	0.937	0.91	0.000	0.517	0.62	1.10	0.68
32.60	121.42	1.899	59.02	0.938	0.91	0.000	0.517	0.62	1.10	0.68
32.65	121.41	1.902	59.01	0.940	0.91	0.000	0.517	0.62	1.10	0.68
32.70	121.40	1.905	59.00	0.941	0.91	0.000	0.517	0.62	1.10	0.68
32.75	121.39	1.908	58.99	0.942	0.91	0.000	0.517	0.62	1.10	0.68
32.80	121.37	1.911	58.97	0.944	0.91	0.000	0.517	0.62	1.10	0.68
32.85	121.36	1.914	58.96	0.945	0.91	0.000	0.517	0.62	1.10	0.68
32.90	121.35	1.917	58.95	0.947	0.91	0.000	0.517	0.62	1.10	0.68
32.95	121.33	1.919	58.93	0.948	0.91	0.000	0.517	0.62	1.10	0.68
33.00	121.32	1.922	58.92	0.949	0.91	0.000	0.517	0.62	1.10	0.68
33.05	121.31	1.925	58.91	0.951	0.91	0.000	0.517	0.62	1.10	0.68
33.10	121.29	1.928	58.89	0.952	0.90	0.000	0.517	0.62	1.10	0.68
33.15	121.28	1.931	58.88	0.953	0.90	0.000	0.517	0.62	1.10	0.68
33.20	121.27	1.934	58.87	0.955	0.90	0.000	0.517	0.62	1.10	0.68
33.25	121.26	1.937	58.86	0.956	0.90	0.000	0.517	0.61	1.10	0.68
33.30	121.24	1.940	58.84	0.958	0.90	0.000	0.517	0.61	1.10	0.68
33.35	121.23	1.942	58.83	0.959	0.90	0.000	0.517	0.61	1.10	0.68
33.40	121.22	1.945	58.82	0.960	0.90	0.000	0.517	0.61	1.10	0.68
33.45	121.20	1.948	58.80	0.962	0.90	0.000	0.517	0.61	1.10	0.68
33.50	121.19	1.951	58.79	0.963	0.90	0.000	0.517	0.61	1.10	0.67
33.55	121.18	1.954	58.78	0.965	0.90	0.000	0.517	0.61	1.10	0.67
33.60	121.16	1.957	58.76	0.966	0.90	0.000	0.517	0.61	1.10	0.67
33.65	121.15	1.960	58.75	0.967	0.90	0.000	0.517	0.61	1.10	0.67
33.70	121.14	1.962	58.74	0.969	0.90	0.000	0.517	0.61	1.10	0.67
33.75	121.13	1.965	58.73	0.970	0.90	0.000	0.517	0.61	1.10	0.67
33.80	121.11	1.968	58.71	0.972	0.90	0.000	0.517	0.61	1.10	0.67
33.85	121.10	1.971	58.70	0.973	0.90	0.000	0.517	0.61	1.10	0.67
33.90	121.09	1.974	58.69	0.974	0.90	0.000	0.517	0.61	1.10	0.67
33.95	121.07	1.977	58.67	0.976	0.90	0.000	0.517	0.61	1.10	0.67
34.00	121.06	1.980	58.66	0.977	0.90	0.000	0.517	0.61	1.10	0.67
34.05	121.05	1.982	58.65	0.978	0.90	0.000	0.517	0.61	1.10	0.67
34.10	121.03	1.985	58.63	0.980	0.90	0.000	0.517	0.61	1.10	0.67
34.15	121.02	1.988	58.62	0.981	0.90	0.000	0.517	0.61	1.10	0.67
34.20	121.01	1.991	58.61	0.983	0.90	0.000	0.517	0.61	1.10	0.67
34.25	121.00	1.994	58.60	0.984	0.90	0.000	0.517	0.61	1.10	0.67
34.30	120.98	1.997	58.58	0.985	0.89	0.000	0.517	0.61	1.10	0.67
34.35	120.97	2.000	58.57	0.987	0.89	0.000	0.517	0.61	1.10	0.67

34.40	120.96	2.002	58.56	0.988	0.89	0.000	0.517	0.61	1.10	0.67
34.45	120.94	2.005	58.54	0.990	0.89	0.000	0.517	0.61	1.10	0.67
34.50	120.93	2.008	58.53	0.991	0.89	0.000	0.517	0.61	1.10	0.67
34.55	120.92	2.011	58.52	0.992	0.89	0.000	0.517	0.61	1.10	0.67
34.60	120.90	2.014	58.50	0.994	0.89	0.000	0.517	0.61	1.10	0.67
34.65	120.89	2.017	58.49	0.995	0.89	0.000	0.517	0.61	1.10	0.67
34.70	120.88	2.020	58.48	0.996	0.89	0.000	0.517	0.61	1.10	0.67
34.75	120.87	2.022	58.47	0.998	0.89	0.000	0.517	0.61	1.10	0.67
34.80	120.85	2.025	58.45	0.999	0.89	0.000	0.517	0.61	1.10	0.67
34.85	120.84	2.028	58.44	1.001	0.89	0.000	0.517	0.61	1.10	0.67
34.90	120.83	2.031	58.43	1.002	0.89	0.000	0.517	0.61	1.10	0.67
34.95	120.81	2.034	58.41	1.003	0.89	0.000	0.517	0.61	1.10	0.67
35.00	120.80	2.037	58.40	1.005	0.89	0.000	0.517	0.61	1.10	0.67
35.05	120.78	2.040	58.38	1.006	0.89	0.000	0.517	0.61	1.10	0.67
35.10	120.77	2.042	58.37	1.007	0.89	0.000	0.517	0.61	1.10	0.67
35.15	120.75	2.045	58.35	1.009	0.89	0.000	0.517	0.60	1.10	0.67
35.20	120.74	2.048	58.34	1.010	0.89	0.000	0.517	0.60	1.10	0.67
35.25	120.72	2.051	58.32	1.012	0.89	0.000	0.517	0.60	1.10	0.66
35.30	120.70	2.054	58.30	1.013	0.89	0.000	0.517	0.60	1.10	0.66
35.35	120.69	2.057	58.29	1.014	0.89	0.000	0.517	0.60	1.10	0.66
35.40	120.67	2.060	58.27	1.016	0.89	0.000	0.517	0.60	1.10	0.66
35.45	120.66	2.062	58.26	1.017	0.89	0.000	0.517	0.60	1.10	0.66
35.50	120.64	2.065	58.24	1.019	0.89	0.000	0.517	0.60	1.10	0.66
35.55	120.62	2.068	58.22	1.020	0.88	0.000	0.517	0.60	1.10	0.66
35.60	120.61	2.071	58.21	1.021	0.88	0.000	0.517	0.60	1.10	0.66
35.65	120.59	2.074	58.19	1.023	0.88	0.000	0.517	0.60	1.10	0.66
35.70	120.58	2.077	58.18	1.024	0.88	0.000	0.517	0.60	1.10	0.66
35.75	120.56	2.080	58.16	1.025	0.88	0.000	0.517	0.60	1.10	0.66
35.80	120.54	2.082	58.14	1.027	0.88	0.000	0.517	0.60	1.10	0.66
35.85	120.53	2.085	58.13	1.028	0.88	0.000	0.517	0.60	1.10	0.66
35.90	120.51	2.088	58.11	1.030	0.88	0.000	0.517	0.60	1.10	0.66
35.95	120.50	2.091	58.10	1.031	0.88	0.000	0.517	0.60	1.10	0.66
36.00	120.48	2.094	58.08	1.032	0.88	0.000	0.517	0.60	1.10	0.66
36.05	120.46	2.097	58.06	1.034	0.88	0.000	0.517	0.60	1.10	0.66
36.10	120.45	2.099	58.05	1.035	0.88	0.000	0.517	0.60	1.10	0.66
36.15	120.43	2.102	58.03	1.036	0.88	0.000	0.517	0.60	1.10	0.66
36.20	120.42	2.105	58.02	1.038	0.88	0.000	0.517	0.60	1.10	0.66
36.25	120.40	2.108	58.00	1.039	0.88	0.000	0.517	0.60	1.10	0.66
36.30	120.38	2.111	57.98	1.040	0.88	0.000	0.517	0.60	1.10	0.66
36.35	120.37	2.114	57.97	1.042	0.88	0.000	0.517	0.60	1.10	0.66
36.40	120.35	2.117	57.95	1.043	0.88	0.000	0.517	0.60	1.10	0.66
36.45	120.34	2.119	57.94	1.045	0.88	0.000	0.517	0.60	1.10	0.66
36.50	120.32	2.122	57.92	1.046	0.88	0.000	0.517	0.60	1.10	0.66
36.55	120.30	2.125	57.90	1.047	0.88	0.000	0.517	0.60	1.10	0.66
36.60	120.29	2.128	57.89	1.049	0.88	0.000	0.517	0.60	1.10	0.66
36.65	120.27	2.131	57.87	1.050	0.88	0.000	0.517	0.60	1.10	0.66
36.70	120.26	2.134	57.86	1.051	0.88	0.000	0.517	0.60	1.10	0.66
36.75	120.24	2.136	57.84	1.053	0.87	0.000	0.517	0.60	1.10	0.66
36.80	120.22	2.139	57.82	1.054	0.87	0.000	0.517	0.60	1.10	0.66
36.85	120.21	2.142	57.81	1.056	0.87	0.000	0.517	0.60	1.10	0.66
36.90	120.19	2.145	57.79	1.057	0.87	0.000	0.517	0.60	1.10	0.66
36.95	120.18	2.148	57.78	1.058	0.87	0.000	0.517	0.60	1.10	0.66
37.00	120.16	2.151	57.76	1.060	0.87	0.000	0.517	0.60	1.10	0.65
37.05	120.14	2.153	57.74	1.061	0.87	0.000	0.517	0.60	1.10	0.65
37.10	120.13	2.156	57.73	1.062	0.87	0.000	0.517	0.59	1.10	0.65
37.15	120.11	2.159	57.71	1.064	0.87	0.000	0.517	0.59	1.10	0.65
37.20	120.10	2.162	57.70	1.065	0.87	0.000	0.517	0.59	1.10	0.65
37.25	120.08	2.165	57.68	1.066	0.87	0.000	0.517	0.59	1.10	0.65
37.30	120.06	2.168	57.66	1.068	0.87	0.000	0.517	0.59	1.10	0.65
37.35	120.05	2.171	57.65	1.069	0.87	0.000	0.517	0.59	1.10	0.65
37.40	120.03	2.173	57.63	1.071	0.87	0.000	0.517	0.59	1.10	0.65
37.45	120.02	2.176	57.62	1.072	0.87	0.000	0.517	0.59	1.10	0.65
37.50	120.00	2.179	57.60	1.073	0.87	0.000	0.517	0.59	1.10	0.65
37.55	119.98	2.182	57.58	1.075	0.87	0.000	0.517	0.59	1.10	0.65
37.60	119.97	2.185	57.57	1.076	0.87	0.000	0.517	0.59	1.10	0.65
37.65	119.95	2.188	57.55	1.077	0.87	0.000	0.517	0.59	1.10	0.65
37.70	119.94	2.190	57.54	1.079	0.87	0.000	0.517	0.59	1.10	0.65
37.75	119.92	2.193	57.52	1.080	0.87	0.000	0.517	0.59	1.10	0.65
37.80	119.90	2.196	57.50	1.081	0.87	0.000	0.517	0.59	1.10	0.65
37.85	119.89	2.199	57.49	1.083	0.87	0.000	0.517	0.59	1.10	0.65
37.90	119.87	2.202	57.47	1.084	0.87	0.000	0.517	0.59	1.10	0.65
37.95	119.86	2.205	57.46	1.085	0.87	0.000	0.517	0.59	1.10	0.65
38.00	119.84	2.207	57.44	1.087	0.86	0.000	0.517	0.59	1.10	0.65

38.05	119.82	2.210	57.42	1.088	0.86	0.000	0.517	0.59	1.10	0.65
38.10	119.81	2.213	57.41	1.090	0.86	0.000	0.517	0.59	1.10	0.65
38.15	119.79	2.216	57.39	1.091	0.86	0.000	0.517	0.59	1.10	0.65
38.20	119.78	2.219	57.38	1.092	0.86	0.000	0.517	0.59	1.10	0.65
38.25	119.76	2.222	57.36	1.094	0.86	0.000	0.517	0.59	1.10	0.65
38.30	119.74	2.224	57.34	1.095	0.86	0.000	0.517	0.59	1.10	0.65
38.35	119.73	2.227	57.33	1.096	0.86	0.000	0.517	0.59	1.10	0.65
38.40	119.71	2.230	57.31	1.098	0.86	0.000	0.517	0.59	1.10	0.65
38.45	119.70	2.233	57.30	1.099	0.86	0.000	0.517	0.59	1.10	0.65
38.50	119.68	2.236	57.28	1.100	0.86	0.000	0.517	0.59	1.10	0.65
38.55	119.66	2.238	57.26	1.102	0.86	0.000	0.517	0.59	1.10	0.65
38.60	119.65	2.241	57.25	1.103	0.86	0.000	0.517	0.59	1.10	0.65
38.65	119.63	2.244	57.23	1.104	0.86	0.000	0.517	0.59	1.10	0.65
38.70	119.62	2.247	57.22	1.106	0.86	0.000	0.517	0.59	1.10	0.65
38.75	119.60	2.250	57.20	1.107	0.86	0.000	0.517	0.59	1.10	0.64
38.80	119.58	2.253	57.18	1.109	0.86	0.000	0.517	0.59	1.10	0.64
38.85	119.57	2.255	57.17	1.110	0.86	0.000	0.517	0.59	1.10	0.64
38.90	119.55	2.258	57.15	1.111	0.86	0.000	0.517	0.59	1.10	0.64
38.95	119.54	2.261	57.14	1.113	0.86	0.000	0.517	0.59	1.10	0.64
39.00	119.52	2.264	57.12	1.114	0.86	0.000	0.517	0.59	1.10	0.64
39.05	119.50	2.267	57.10	1.115	0.86	0.000	0.517	0.58	1.10	0.64
39.10	119.49	2.270	57.09	1.117	0.86	0.000	0.517	0.58	1.10	0.64
39.15	119.47	2.272	57.07	1.118	0.86	0.000	0.517	0.58	1.10	0.64
39.20	119.46	2.275	57.06	1.119	0.86	0.000	0.517	0.58	1.10	0.64
39.25	119.44	2.278	57.04	1.121	0.85	0.000	0.517	0.58	1.10	0.64
39.30	119.42	2.281	57.02	1.122	0.85	0.000	0.517	0.58	1.10	0.64
39.35	119.41	2.284	57.01	1.123	0.85	0.000	0.517	0.58	1.10	0.64
39.40	119.39	2.286	56.99	1.125	0.85	0.000	0.517	0.58	1.10	0.64
39.45	119.38	2.289	56.98	1.126	0.85	0.000	0.517	0.58	1.10	0.64
39.50	119.36	2.292	56.96	1.127	0.85	0.000	0.517	0.58	1.10	0.64
39.55	119.34	2.295	56.94	1.129	0.85	0.000	0.517	0.58	1.10	0.64
39.60	119.33	2.298	56.93	1.130	0.85	0.000	0.517	0.58	1.10	0.64
39.65	119.31	2.301	56.91	1.131	0.85	0.000	0.517	0.58	1.10	0.64
39.70	119.30	2.303	56.90	1.133	0.85	0.000	0.517	0.58	1.10	0.64
39.75	119.28	2.306	56.88	1.134	0.85	0.000	0.517	0.58	1.10	0.64
39.80	119.26	2.309	56.86	1.135	0.85	0.000	0.517	0.58	1.10	0.64
39.85	119.25	2.312	56.85	1.137	0.85	0.000	0.517	0.58	1.10	0.64
39.90	119.23	2.315	56.83	1.138	0.85	0.000	0.517	0.58	1.10	0.64
39.95	119.22	2.318	56.82	1.140	0.85	0.000	0.517	0.58	1.10	0.64
40.00	119.20	2.320	56.80	1.141	0.85	0.000	0.517	0.58	1.10	0.64
40.05	119.20	2.323	56.80	1.142	0.85	0.000	0.517	0.58	1.10	0.64
40.10	119.20	2.326	56.80	1.144	0.85	0.000	0.517	0.58	1.10	0.64
40.15	119.20	2.329	56.80	1.145	0.85	0.000	0.517	0.58	1.10	0.64
40.20	119.20	2.332	56.80	1.146	0.85	0.000	0.517	0.58	1.10	0.64
40.25	119.20	2.334	56.80	1.148	0.85	0.000	0.517	0.58	1.10	0.64
40.30	119.20	2.337	56.80	1.149	0.85	0.000	0.517	0.58	1.10	0.64
40.35	119.20	2.340	56.80	1.150	0.85	0.000	0.517	0.58	1.10	0.64
40.40	119.20	2.343	56.80	1.152	0.85	0.000	0.517	0.58	1.10	0.64
40.45	119.20	2.346	56.80	1.153	0.84	0.000	0.517	0.58	1.10	0.64
40.50	119.20	2.348	56.80	1.154	0.84	0.000	0.517	0.58	1.10	0.64
40.55	119.20	2.351	56.80	1.156	0.84	0.000	0.517	0.58	1.10	0.63
40.60	119.20	2.354	56.80	1.157	0.84	0.000	0.517	0.58	1.10	0.63
40.65	119.20	2.357	56.80	1.158	0.84	0.000	0.517	0.58	1.10	0.63
40.70	119.20	2.360	56.80	1.160	0.84	0.000	0.517	0.58	1.10	0.63
40.75	119.20	2.363	56.80	1.161	0.84	0.000	0.517	0.58	1.10	0.63
40.80	119.20	2.365	56.80	1.162	0.84	0.000	0.517	0.58	1.10	0.63
40.85	119.20	2.368	56.80	1.164	0.84	0.000	0.517	0.58	1.10	0.63
40.90	119.20	2.371	56.80	1.165	0.84	0.000	0.517	0.58	1.10	0.63
40.95	119.20	2.374	56.80	1.166	0.84	0.000	0.517	0.58	1.10	0.63
41.00	119.20	2.377	56.80	1.168	0.84	0.000	0.517	0.57	1.10	0.63
41.05	119.20	2.379	56.80	1.169	0.84	0.000	0.517	0.57	1.10	0.63
41.10	119.20	2.382	56.80	1.170	0.84	0.000	0.517	0.57	1.10	0.63
41.15	119.20	2.385	56.80	1.172	0.84	0.000	0.517	0.57	1.10	0.63
41.20	119.20	2.388	56.80	1.173	0.84	0.000	0.517	0.57	1.10	0.63
41.25	119.20	2.391	56.80	1.174	0.84	0.000	0.517	0.57	1.10	0.63
41.30	119.20	2.394	56.80	1.176	0.84	0.000	0.517	0.57	1.10	0.63
41.35	119.20	2.396	56.80	1.177	0.84	0.000	0.517	0.57	1.10	0.63
41.40	119.20	2.399	56.80	1.178	0.84	0.000	0.517	0.57	1.10	0.63
41.45	119.20	2.402	56.80	1.180	0.84	0.000	0.517	0.57	1.10	0.63
41.50	119.20	2.405	56.80	1.181	0.84	0.000	0.517	0.57	1.10	0.63
41.55	119.20	2.408	56.80	1.182	0.84	0.000	0.517	0.57	1.10	0.63
41.60	119.20	2.410	56.80	1.184	0.84	0.000	0.517	0.57	1.10	0.63
41.65	119.20	2.413	56.80	1.185	0.84	0.000	0.517	0.57	1.10	0.63

41.70	119.20	2.416	56.80	1.186	0.83	0.000	0.517	0.57	1.10	0.63
41.75	119.20	2.419	56.80	1.188	0.83	0.000	0.517	0.57	1.10	0.63
41.80	119.20	2.422	56.80	1.189	0.83	0.000	0.517	0.57	1.10	0.63
41.85	119.20	2.425	56.80	1.191	0.83	0.000	0.517	0.57	1.10	0.63
41.90	119.20	2.427	56.80	1.192	0.83	0.000	0.517	0.57	1.10	0.63
41.95	119.20	2.430	56.80	1.193	0.83	0.000	0.517	0.57	1.10	0.63
42.00	119.20	2.433	56.80	1.195	0.83	0.000	0.517	0.57	1.10	0.63
42.05	119.20	2.436	56.80	1.196	0.83	0.000	0.517	0.57	1.10	0.63
42.10	119.20	2.439	56.80	1.197	0.83	0.000	0.517	0.57	1.10	0.63
42.15	119.20	2.441	56.80	1.199	0.83	0.000	0.517	0.57	1.10	0.63
42.20	119.20	2.444	56.80	1.200	0.83	0.000	0.517	0.57	1.10	0.63
42.25	119.20	2.447	56.80	1.201	0.83	0.000	0.517	0.57	1.10	0.63
42.30	119.20	2.450	56.80	1.203	0.83	0.000	0.517	0.57	1.10	0.62
42.35	119.20	2.453	56.80	1.204	0.83	0.000	0.517	0.57	1.10	0.62
42.40	119.20	2.456	56.80	1.205	0.83	0.000	0.517	0.57	1.10	0.62
42.45	119.20	2.458	56.80	1.207	0.83	0.000	0.517	0.57	1.10	0.62
42.50	119.20	2.461	56.80	1.208	0.83	0.000	0.517	0.57	1.10	0.62
42.55	119.20	2.464	56.80	1.209	0.83	0.000	0.517	0.57	1.10	0.62
42.60	119.20	2.467	56.80	1.211	0.83	0.000	0.517	0.57	1.10	0.62
42.65	119.20	2.470	56.80	1.212	0.83	0.000	0.517	0.57	1.10	0.62
42.70	119.20	2.472	56.80	1.213	0.83	0.000	0.517	0.57	1.10	0.62
42.75	119.20	2.475	56.80	1.215	0.83	0.000	0.517	0.57	1.10	0.62
42.80	119.20	2.478	56.80	1.216	0.83	0.000	0.517	0.57	1.10	0.62
42.85	119.20	2.481	56.80	1.217	0.83	0.000	0.517	0.57	1.10	0.62
42.90	119.20	2.484	56.80	1.219	0.82	0.000	0.517	0.56	1.10	0.62
42.95	119.20	2.486	56.80	1.220	0.82	0.000	0.517	0.56	1.10	0.62
43.00	119.20	2.489	56.80	1.221	0.82	0.000	0.517	0.56	1.10	0.62
43.05	119.20	2.492	56.80	1.223	0.82	0.000	0.517	0.56	1.10	0.62
43.10	119.20	2.495	56.80	1.224	0.82	0.000	0.517	0.56	1.10	0.62
43.15	119.20	2.498	56.80	1.225	0.82	0.000	0.517	0.56	1.10	0.62
43.20	119.20	2.501	56.80	1.227	0.82	0.000	0.517	0.56	1.10	0.62
43.25	119.20	2.503	56.80	1.228	0.82	0.000	0.517	0.56	1.10	0.62
43.30	119.20	2.506	56.80	1.229	0.82	0.000	0.517	0.56	1.10	0.62
43.35	119.20	2.509	56.80	1.231	0.82	0.000	0.517	0.56	1.10	0.62
43.40	119.20	2.512	56.80	1.232	0.82	0.000	0.517	0.56	1.10	0.62
43.45	119.20	2.515	56.80	1.233	0.82	0.000	0.517	0.56	1.10	0.62
43.50	119.20	2.517	56.80	1.235	0.82	0.000	0.517	0.56	1.10	0.62
43.55	119.20	2.520	56.80	1.236	0.82	0.000	0.517	0.56	1.10	0.62
43.60	119.20	2.523	56.80	1.237	0.82	0.000	0.517	0.56	1.10	0.62
43.65	119.20	2.526	56.80	1.239	0.82	0.000	0.517	0.56	1.10	0.62
43.70	119.20	2.529	56.80	1.240	0.82	0.000	0.517	0.56	1.10	0.62
43.75	119.20	2.532	56.80	1.242	0.82	0.000	0.517	0.56	1.10	0.62
43.80	119.20	2.534	56.80	1.243	0.82	0.000	0.517	0.56	1.10	0.62
43.85	119.20	2.537	56.80	1.244	0.82	0.000	0.517	0.56	1.10	0.62
43.90	119.20	2.540	56.80	1.246	0.82	0.000	0.517	0.56	1.10	0.62
43.95	119.20	2.543	56.80	1.247	0.82	0.000	0.517	0.56	1.10	0.62
44.00	119.20	2.546	56.80	1.248	0.82	0.000	0.517	0.56	1.10	0.62
44.05	119.20	2.548	56.80	1.250	0.82	0.000	0.517	0.56	1.10	0.61
44.10	119.20	2.551	56.80	1.251	0.82	0.000	0.517	0.56	1.10	0.61
44.15	119.20	2.554	56.80	1.252	0.81	0.000	0.517	0.56	1.10	0.61
44.20	119.20	2.557	56.80	1.254	0.81	0.000	0.517	0.56	1.10	0.61
44.25	119.20	2.560	56.80	1.255	0.81	0.000	0.517	0.56	1.10	0.61
44.30	119.20	2.563	56.80	1.256	0.81	0.000	0.517	0.56	1.10	0.61
44.35	119.20	2.565	56.80	1.258	0.81	0.000	0.517	0.56	1.10	0.61
44.40	119.20	2.568	56.80	1.259	0.81	0.000	0.517	0.56	1.10	0.61
44.45	119.20	2.571	56.80	1.260	0.81	0.000	0.517	0.56	1.10	0.61
44.50	119.20	2.574	56.80	1.262	0.81	0.000	0.517	0.56	1.10	0.61
44.55	119.20	2.577	56.80	1.263	0.81	0.000	0.517	0.56	1.10	0.61
44.60	119.20	2.579	56.80	1.264	0.81	0.000	0.517	0.56	1.10	0.61
44.65	119.20	2.582	56.80	1.266	0.81	0.000	0.517	0.56	1.10	0.61
44.70	119.20	2.585	56.80	1.267	0.81	0.000	0.517	0.56	1.10	0.61
44.75	119.20	2.588	56.80	1.268	0.81	0.000	0.517	0.56	1.10	0.61
44.80	119.20	2.591	56.80	1.270	0.81	0.000	0.517	0.56	1.10	0.61
44.85	119.20	2.594	56.80	1.271	0.81	0.000	0.517	0.55	1.10	0.61
44.90	119.20	2.596	56.80	1.272	0.81	0.000	0.517	0.55	1.10	0.61
44.95	119.20	2.599	56.80	1.274	0.81	0.000	0.517	0.55	1.10	0.61
45.00	119.20	2.602	56.80	1.275	0.81	0.000	0.517	0.55	1.10	0.61
45.05	119.28	2.605	56.88	1.276	0.81	0.000	0.517	0.55	1.10	0.61
45.10	119.36	2.608	56.96	1.278	0.81	0.000	0.517	0.55	1.10	0.61
45.15	119.45	2.610	57.05	1.279	0.81	0.000	0.517	0.55	1.10	0.61
45.20	119.53	2.613	57.13	1.280	0.81	0.000	0.517	0.55	1.10	0.61
45.25	119.61	2.616	57.21	1.282	0.81	0.000	0.517	0.55	1.10	0.61
45.30	119.69	2.619	57.29	1.283	0.81	0.000	0.517	0.55	1.10	0.61

45.35	119.77	2.622	57.37	1.284	0.80	0.000	0.517	0.55	1.10	0.61
45.40	119.86	2.625	57.46	1.286	0.80	0.000	0.517	0.55	1.10	0.61
45.45	119.94	2.627	57.54	1.287	0.80	0.000	0.517	0.55	1.10	0.61
45.50	120.02	2.630	57.62	1.289	0.80	0.000	0.517	0.55	1.10	0.61
45.55	120.10	2.633	57.70	1.290	0.80	0.000	0.517	0.55	1.10	0.61
45.60	120.18	2.636	57.78	1.291	0.80	0.000	0.517	0.55	1.10	0.61
45.65	120.27	2.639	57.87	1.293	0.80	0.000	0.517	0.55	1.10	0.61
45.70	120.35	2.642	57.95	1.294	0.80	0.000	0.517	0.55	1.10	0.61
45.75	120.43	2.644	58.03	1.295	0.80	0.000	0.517	0.55	1.10	0.60
45.80	120.51	2.647	58.11	1.297	0.80	0.000	0.517	0.55	1.10	0.60
45.85	120.59	2.650	58.19	1.298	0.80	0.000	0.517	0.55	1.10	0.60
45.90	120.68	2.653	58.28	1.300	0.80	0.000	0.517	0.55	1.10	0.60
45.95	120.76	2.656	58.36	1.301	0.80	0.000	0.517	0.55	1.10	0.60
46.00	120.84	2.659	58.44	1.302	0.80	0.000	0.517	0.55	1.10	0.60
46.05	120.92	2.662	58.52	1.304	0.80	0.000	0.517	0.55	1.10	0.60
46.10	121.00	2.664	58.60	1.305	0.80	0.000	0.517	0.55	1.10	0.60
46.15	121.09	2.667	58.69	1.306	0.80	0.000	0.517	0.55	1.10	0.60
46.20	121.17	2.670	58.77	1.308	0.80	0.000	0.517	0.55	1.10	0.60
46.25	121.25	2.673	58.85	1.309	0.80	0.000	0.517	0.55	1.10	0.60
46.30	121.33	2.676	58.93	1.311	0.80	0.000	0.517	0.55	1.10	0.60
46.35	121.41	2.679	59.01	1.312	0.80	0.000	0.517	0.55	1.10	0.60
46.40	121.50	2.682	59.10	1.313	0.80	0.000	0.517	0.55	1.10	0.60
46.45	121.58	2.684	59.18	1.315	0.80	0.000	0.517	0.55	1.10	0.60
46.50	121.66	2.687	59.26	1.316	0.80	0.000	0.517	0.55	1.10	0.60
46.55	121.74	2.690	59.34	1.318	0.80	0.000	0.517	0.55	1.10	0.60
46.60	121.82	2.693	59.42	1.319	0.79	0.000	0.517	0.55	1.10	0.60
46.65	121.91	2.696	59.51	1.320	0.79	0.000	0.517	0.55	1.10	0.60
46.70	121.99	2.699	59.59	1.322	0.79	0.000	0.517	0.54	1.10	0.60
46.75	122.07	2.702	59.67	1.323	0.79	0.000	0.517	0.54	1.10	0.60
46.80	122.15	2.705	59.75	1.325	0.79	0.000	0.517	0.54	1.10	0.60
46.85	122.23	2.707	59.83	1.326	0.79	0.000	0.517	0.54	1.10	0.60
46.90	122.32	2.710	59.92	1.327	0.79	0.000	0.517	0.54	1.10	0.60
46.95	122.40	2.713	60.00	1.329	0.79	0.000	0.517	0.54	1.10	0.60
47.00	122.48	2.716	60.08	1.330	0.79	0.000	0.517	0.54	1.10	0.60
47.05	122.56	2.719	60.16	1.332	0.79	0.000	0.517	0.54	1.10	0.60
47.10	122.64	2.722	60.24	1.333	0.79	0.000	0.517	0.54	1.10	0.60
47.15	122.73	2.725	60.33	1.335	0.79	0.000	0.517	0.54	1.10	0.60
47.20	122.81	2.728	60.41	1.336	0.79	0.000	0.517	0.54	1.10	0.60
47.25	122.89	2.731	60.49	1.337	0.79	0.000	0.517	0.54	1.10	0.60
47.30	122.97	2.734	60.57	1.339	0.79	0.000	0.517	0.54	1.10	0.60
47.35	123.05	2.736	60.65	1.340	0.79	0.000	0.517	0.54	1.10	0.60
47.40	123.14	2.739	60.74	1.342	0.79	0.000	0.517	0.54	1.10	0.59
47.45	123.22	2.742	60.82	1.343	0.79	0.000	0.517	0.54	1.10	0.59
47.50	123.30	2.745	60.90	1.345	0.79	0.000	0.517	0.54	1.10	0.59
47.55	123.38	2.748	60.98	1.346	0.79	0.000	0.517	0.54	1.10	0.59
47.60	123.46	2.751	61.06	1.347	0.79	0.000	0.517	0.54	1.10	0.59
47.65	123.55	2.754	61.15	1.349	0.79	0.000	0.517	0.54	1.10	0.59
47.70	123.63	2.757	61.23	1.350	0.79	0.000	0.517	0.54	1.10	0.59
47.75	123.71	2.760	61.31	1.352	0.79	0.000	0.517	0.54	1.10	0.59
47.80	123.79	2.763	61.39	1.353	0.79	0.000	0.517	0.54	1.10	0.59
47.85	123.87	2.766	61.47	1.355	0.78	0.000	0.517	0.54	1.10	0.59
47.90	123.96	2.769	61.56	1.356	0.78	0.000	0.517	0.54	1.10	0.59
47.95	124.04	2.771	61.64	1.358	0.78	0.000	0.517	0.54	1.10	0.59
48.00	124.12	2.774	61.72	1.359	0.78	0.000	0.517	0.54	1.10	0.59
48.05	124.20	2.777	61.80	1.360	0.78	0.000	0.517	0.54	1.10	0.59
48.10	124.28	2.780	61.88	1.362	0.78	0.000	0.517	0.54	1.10	0.59
48.15	124.37	2.783	61.97	1.363	0.78	0.000	0.517	0.54	1.10	0.59
48.20	124.45	2.786	62.05	1.365	0.78	0.000	0.517	0.54	1.10	0.59
48.25	124.53	2.789	62.13	1.366	0.78	0.000	0.517	0.54	1.10	0.59
48.30	124.61	2.792	62.21	1.368	0.78	0.000	0.517	0.54	1.10	0.59
48.35	124.69	2.795	62.29	1.369	0.78	0.000	0.517	0.54	1.10	0.59
48.40	124.78	2.798	62.38	1.371	0.78	0.000	0.517	0.54	1.10	0.59
48.45	124.86	2.801	62.46	1.372	0.78	0.000	0.517	0.53	1.10	0.59
48.50	124.94	2.804	62.54	1.374	0.78	0.000	0.517	0.53	1.10	0.59
48.55	125.02	2.807	62.62	1.375	0.78	0.000	0.517	0.53	1.10	0.59
48.60	125.10	2.810	62.70	1.377	0.78	0.000	0.517	0.53	1.10	0.59
48.65	125.19	2.813	62.79	1.378	0.78	0.000	0.517	0.53	1.10	0.59
48.70	125.27	2.816	62.87	1.380	0.78	0.000	0.517	0.53	1.10	0.59
48.75	125.35	2.819	62.95	1.381	0.78	0.000	0.517	0.53	1.10	0.59
48.80	125.43	2.822	63.03	1.383	0.78	0.000	0.517	0.53	1.10	0.59
48.85	125.51	2.824	63.11	1.384	0.78	0.000	0.517	0.53	1.10	0.59
48.90	125.60	2.827	63.20	1.386	0.78	0.000	0.517	0.53	1.10	0.59
48.95	125.68	2.830	63.28	1.387	0.78	0.000	0.517	0.53	1.10	0.59

49.00	125.76	2.833	63.36	1.389	0.78	0.000	0.517	0.53	1.10	0.58
49.05	125.84	2.836	63.44	1.390	0.77	0.000	0.517	0.53	1.10	0.58
49.10	125.92	2.839	63.52	1.392	0.77	0.000	0.517	0.53	1.10	0.58
49.15	126.01	2.842	63.61	1.393	0.77	0.000	0.517	0.53	1.10	0.58
49.20	126.09	2.845	63.69	1.395	0.77	0.000	0.517	0.53	1.10	0.58
49.25	126.17	2.848	63.77	1.396	0.77	0.000	0.517	0.53	1.10	0.58
49.30	126.25	2.851	63.85	1.398	0.77	0.000	0.517	0.53	1.10	0.58
49.35	126.33	2.854	63.93	1.399	0.77	0.000	0.517	0.53	1.10	0.58
49.40	126.42	2.857	64.02	1.401	0.77	0.000	0.517	0.53	1.10	0.58
49.45	126.50	2.860	64.10	1.402	0.77	0.000	0.517	0.53	1.10	0.58
49.50	126.58	2.863	64.18	1.404	0.77	0.000	0.517	0.53	1.10	0.58
49.55	126.66	2.866	64.26	1.405	0.77	0.000	0.517	0.53	1.10	0.58
49.60	126.74	2.869	64.34	1.407	0.77	0.000	0.517	0.53	1.10	0.58
49.65	126.83	2.872	64.43	1.408	0.77	0.000	0.517	0.53	1.10	0.58
49.70	126.91	2.875	64.51	1.410	0.77	0.000	0.517	0.53	1.10	0.58
49.75	126.99	2.878	64.59	1.411	0.77	0.000	0.517	0.53	1.10	0.58
49.80	127.07	2.881	64.67	1.413	0.77	0.000	0.517	0.53	1.10	0.58
49.85	127.15	2.884	64.75	1.414	0.77	0.000	0.517	0.53	1.10	0.58
49.90	127.24	2.887	64.84	1.416	0.77	0.000	0.517	0.53	1.10	0.58
49.95	127.32	2.890	64.92	1.417	0.77	0.000	0.517	0.53	1.10	0.58
50.00	127.40	2.893	65.00	1.419	0.77	0.000	0.517	0.53	1.10	0.58
50.05	127.39	2.896	64.99	1.420	0.77	0.000	0.517	0.53	1.10	0.58
50.10	127.38	2.899	64.98	1.422	0.77	0.000	0.517	0.53	1.10	0.58
50.15	127.37	2.902	64.97	1.423	0.77	0.000	0.517	0.52	1.10	0.58
50.20	127.36	2.905	64.96	1.425	0.77	0.000	0.517	0.52	1.10	0.58
50.25	127.35	2.908	64.95	1.427	0.77	0.000	0.517	0.52	1.10	0.58
50.30	127.33	2.911	64.93	1.428	0.76	0.000	0.517	0.52	1.10	0.58
50.35	127.32	2.914	64.92	1.430	0.76	0.000	0.517	0.52	1.10	0.58
50.40	127.31	2.917	64.91	1.431	0.76	0.000	0.517	0.52	1.10	0.58
50.45	127.30	2.920	64.90	1.433	0.76	0.000	0.517	0.52	1.10	0.58
50.50	127.29	2.923	64.89	1.434	0.76	0.000	0.517	0.52	1.10	0.57
50.55	127.28	2.926	64.88	1.436	0.76	0.000	0.517	0.52	1.10	0.57
50.60	127.27	2.929	64.87	1.437	0.76	0.000	0.517	0.52	1.10	0.57
50.65	127.26	2.932	64.86	1.439	0.76	0.000	0.517	0.52	1.10	0.57
50.70	127.25	2.935	64.85	1.440	0.76	0.000	0.517	0.52	1.10	0.57
50.75	127.24	2.938	64.84	1.442	0.76	0.000	0.517	0.52	1.10	0.57
50.80	127.22	2.941	64.82	1.443	0.76	0.000	0.517	0.52	1.10	0.57
50.85	127.21	2.944	64.81	1.445	0.76	0.000	0.517	0.52	1.10	0.57
50.90	127.20	2.947	64.80	1.446	0.76	0.000	0.517	0.52	1.10	0.57
50.95	127.19	2.950	64.79	1.448	0.76	0.000	0.517	0.52	1.10	0.57
51.00	127.18	2.953	64.78	1.450	0.76	0.000	0.517	0.52	1.10	0.57
51.05	127.17	2.956	64.77	1.451	0.76	0.000	0.517	0.52	1.10	0.57
51.10	127.16	2.959	64.76	1.453	0.76	0.000	0.517	0.52	1.10	0.57
51.15	127.15	2.962	64.75	1.454	0.76	0.000	0.517	0.52	1.10	0.57
51.20	127.14	2.965	64.74	1.456	0.76	0.000	0.517	0.52	1.10	0.57
51.25	127.13	2.968	64.73	1.457	0.76	0.000	0.517	0.52	1.10	0.57
51.30	127.11	2.971	64.71	1.459	0.76	0.000	0.517	0.52	1.10	0.57
51.35	127.10	2.974	64.70	1.460	0.76	0.000	0.517	0.52	1.10	0.57
51.40	127.09	2.977	64.69	1.462	0.76	0.000	0.517	0.52	1.10	0.57
51.45	127.08	2.980	64.68	1.463	0.76	0.000	0.517	0.52	1.10	0.57
51.50	127.07	2.983	64.67	1.465	0.75	0.000	0.517	0.52	1.10	0.57
51.55	127.06	2.986	64.66	1.466	0.75	0.000	0.517	0.52	1.10	0.57
51.60	127.05	2.989	64.65	1.468	0.75	0.000	0.517	0.52	1.10	0.57
51.65	127.04	2.992	64.64	1.469	0.75	0.000	0.517	0.52	1.10	0.57
51.70	127.03	2.995	64.63	1.471	0.75	0.000	0.517	0.52	1.10	0.57
51.75	127.02	2.998	64.62	1.472	0.75	0.000	0.517	0.52	1.10	0.57
51.80	127.00	3.001	64.60	1.474	0.75	0.000	0.517	0.51	1.10	0.57
51.85	126.99	3.004	64.59	1.475	0.75	0.000	0.517	0.51	1.10	0.57
51.90	126.98	3.007	64.58	1.477	0.75	0.000	0.517	0.51	1.10	0.57
51.95	126.97	3.010	64.57	1.479	0.75	0.000	0.517	0.51	1.10	0.57
52.00	126.96	3.013	64.56	1.480	0.75	0.000	0.517	0.51	1.10	0.57
52.05	126.95	3.016	64.55	1.482	0.75	0.000	0.517	0.51	1.10	0.56
52.10	126.94	3.019	64.54	1.483	0.75	0.000	0.517	0.51	1.10	0.56
52.15	126.93	3.022	64.53	1.485	0.75	0.000	0.517	0.51	1.10	0.56
52.20	126.92	3.025	64.52	1.486	0.75	0.000	0.517	0.51	1.10	0.56
52.25	126.91	3.028	64.51	1.488	0.75	0.000	0.517	0.51	1.10	0.56
52.30	126.89	3.031	64.49	1.489	0.75	0.000	0.517	0.51	1.10	0.56
52.35	126.88	3.034	64.48	1.491	0.75	0.000	0.517	0.51	1.10	0.56
52.40	126.87	3.037	64.47	1.492	0.75	0.000	0.517	0.51	1.10	0.56
52.45	126.86	3.040	64.46	1.494	0.75	0.000	0.517	0.51	1.10	0.56
52.50	126.85	3.043	64.45	1.495	0.75	0.000	0.517	0.51	1.10	0.56
52.55	126.84	3.046	64.44	1.497	0.75	0.000	0.517	0.51	1.10	0.56
52.60	126.83	3.049	64.43	1.498	0.75	0.000	0.517	0.51	1.10	0.56

52.65	126.82	3.052	64.42	1.500	0.75	0.000	0.517	0.51	1.10	0.56
52.70	126.81	3.055	64.41	1.501	0.75	0.000	0.517	0.51	1.10	0.56
52.75	126.80	3.058	64.40	1.503	0.74	0.000	0.517	0.51	1.10	0.56
52.80	126.78	3.061	64.38	1.504	0.74	0.000	0.517	0.51	1.10	0.56
52.85	126.77	3.064	64.37	1.506	0.74	0.000	0.517	0.51	1.10	0.56
52.90	126.76	3.067	64.36	1.507	0.74	0.000	0.517	0.51	1.10	0.56
52.95	126.75	3.070	64.35	1.509	0.74	0.000	0.517	0.51	1.10	0.56
53.00	126.74	3.073	64.34	1.511	0.74	0.000	0.517	0.51	1.10	0.56
53.05	126.73	3.076	64.33	1.512	0.74	0.000	0.517	0.51	1.10	0.56
53.10	126.72	3.079	64.32	1.514	0.74	0.000	0.517	0.51	1.10	0.56
53.15	126.71	3.082	64.31	1.515	0.74	0.000	0.517	0.51	1.10	0.56
53.20	126.70	3.085	64.30	1.517	0.74	0.000	0.517	0.51	1.10	0.56
53.25	126.69	3.088	64.29	1.518	0.74	0.000	0.517	0.51	1.10	0.56
53.30	126.67	3.091	64.27	1.520	0.74	0.000	0.517	0.51	1.10	0.56
53.35	126.66	3.094	64.26	1.521	0.74	0.000	0.517	0.51	1.10	0.56
53.40	126.65	3.097	64.25	1.523	0.74	0.000	0.517	0.51	1.10	0.56
53.45	126.64	3.100	64.24	1.524	0.74	0.000	0.517	0.51	1.10	0.56
53.50	126.63	3.103	64.23	1.526	0.74	0.000	0.517	0.50	1.10	0.56
53.55	126.62	3.106	64.22	1.527	0.74	0.000	0.517	0.50	1.10	0.56
53.60	126.61	3.109	64.21	1.529	0.74	0.000	0.517	0.50	1.10	0.55
53.65	126.60	3.112	64.20	1.530	0.74	0.000	0.517	0.50	1.10	0.55
53.70	126.59	3.115	64.19	1.532	0.74	0.000	0.517	0.50	1.10	0.55
53.75	126.58	3.118	64.18	1.533	0.74	0.000	0.517	0.50	1.10	0.55
53.80	126.56	3.121	64.16	1.535	0.74	0.000	0.517	0.50	1.10	0.55
53.85	126.55	3.124	64.15	1.536	0.74	0.000	0.517	0.50	1.10	0.55
53.90	126.54	3.127	64.14	1.538	0.74	0.000	0.517	0.50	1.10	0.55
53.95	126.53	3.130	64.13	1.539	0.73	0.000	0.517	0.50	1.10	0.55
54.00	126.52	3.133	64.12	1.541	0.73	0.000	0.517	0.50	1.10	0.55
54.05	126.51	3.136	64.11	1.542	0.73	0.000	0.517	0.50	1.10	0.55
54.10	126.50	3.139	64.10	1.544	0.73	0.000	0.517	0.50	1.10	0.55
54.15	126.49	3.142	64.09	1.545	0.73	0.000	0.517	0.50	1.10	0.55
54.20	126.48	3.145	64.08	1.547	0.73	0.000	0.517	0.50	1.10	0.55
54.25	126.47	3.148	64.07	1.548	0.73	0.000	0.517	0.50	1.10	0.55
54.30	126.45	3.151	64.05	1.550	0.73	0.000	0.517	0.50	1.10	0.55
54.35	126.44	3.154	64.04	1.551	0.73	0.000	0.517	0.50	1.10	0.55
54.40	126.43	3.157	64.03	1.553	0.73	0.000	0.517	0.50	1.10	0.55
54.45	126.42	3.160	64.02	1.555	0.73	0.000	0.517	0.50	1.10	0.55
54.50	126.41	3.163	64.01	1.556	0.73	0.000	0.517	0.50	1.10	0.55
54.55	126.40	3.166	64.00	1.558	0.73	0.000	0.517	0.50	1.10	0.55
54.60	126.39	3.169	63.99	1.559	0.73	0.000	0.517	0.50	1.10	0.55
54.65	126.38	3.172	63.98	1.561	0.73	0.000	0.517	0.50	1.10	0.55
54.70	126.37	3.175	63.97	1.562	0.73	0.000	0.517	0.50	1.10	0.55
54.75	126.36	3.178	63.96	1.564	0.73	0.000	0.517	0.50	1.10	0.55
54.80	126.34	3.181	63.94	1.565	0.73	0.000	0.517	0.50	1.10	0.55
54.85	126.33	3.184	63.93	1.567	0.73	0.000	0.517	0.50	1.10	0.55
54.90	126.32	3.187	63.92	1.568	0.73	0.000	0.517	0.50	1.10	0.55
54.95	126.31	3.190	63.91	1.570	0.73	0.000	0.517	0.50	1.10	0.55
55.00	126.30	3.193	63.90	1.571	0.73	0.000	0.517	0.50	1.10	0.55
55.05	126.35	3.196	63.95	1.573	0.73	0.000	0.517	0.50	1.10	0.55
55.10	126.40	3.199	64.00	1.574	0.73	0.000	0.517	0.50	1.10	0.55
55.15	126.45	3.202	64.05	1.576	0.73	0.000	0.517	0.50	1.10	0.54
55.20	126.50	3.205	64.10	1.577	0.72	0.000	0.517	0.49	1.10	0.54
55.25	126.55	3.208	64.15	1.579	0.72	0.000	0.517	0.49	1.10	0.54
55.30	126.60	3.211	64.20	1.580	0.72	0.000	0.517	0.49	1.10	0.54
55.35	126.65	3.214	64.25	1.582	0.72	0.000	0.517	0.49	1.10	0.54
55.40	126.70	3.217	64.30	1.583	0.72	0.000	0.517	0.49	1.10	0.54
55.45	126.75	3.220	64.35	1.585	0.72	0.000	0.517	0.49	1.10	0.54
55.50	126.80	3.223	64.40	1.586	0.72	0.000	0.517	0.49	1.10	0.54
55.55	126.85	3.226	64.45	1.588	0.72	0.000	0.517	0.49	1.10	0.54
55.60	126.90	3.229	64.50	1.589	0.72	0.000	0.517	0.49	1.10	0.54
55.65	126.95	3.232	64.55	1.591	0.72	0.000	0.517	0.49	1.10	0.54
55.70	127.00	3.235	64.60	1.592	0.72	0.000	0.517	0.49	1.10	0.54
55.75	127.05	3.238	64.65	1.594	0.72	0.000	0.517	0.49	1.10	0.54
55.80	127.10	3.241	64.70	1.595	0.72	0.000	0.517	0.49	1.10	0.54
55.85	127.15	3.244	64.75	1.597	0.72	0.000	0.517	0.49	1.10	0.54
55.90	127.20	3.247	64.80	1.598	0.72	0.000	0.517	0.49	1.10	0.54
55.95	127.25	3.250	64.85	1.600	0.72	0.000	0.517	0.49	1.10	0.54
56.00	127.30	3.253	64.90	1.602	0.72	0.000	0.517	0.49	1.10	0.54
56.05	127.35	3.256	64.95	1.603	0.72	0.000	0.517	0.49	1.10	0.54
56.10	127.40	3.259	65.00	1.605	0.72	0.000	0.517	0.49	1.10	0.54
56.15	127.45	3.262	65.05	1.606	0.72	0.000	0.517	0.49	1.10	0.54
56.20	127.50	3.265	65.10	1.608	0.72	0.000	0.517	0.49	1.10	0.54
56.25	127.55	3.268	65.15	1.609	0.72	0.000	0.517	0.49	1.10	0.54

56.30	127.60	3.271	65.20	1.611	0.72	0.000	0.517	0.49	1.10	0.54
56.35	127.65	3.274	65.25	1.612	0.72	0.000	0.517	0.49	1.10	0.54
56.40	127.70	3.277	65.30	1.614	0.72	0.000	0.517	0.49	1.10	0.54
56.45	127.75	3.280	65.35	1.615	0.71	0.000	0.517	0.49	1.10	0.54
56.50	127.80	3.283	65.40	1.617	0.71	0.000	0.517	0.49	1.10	0.54
56.55	127.85	3.286	65.45	1.618	0.71	0.000	0.517	0.49	1.10	0.54
56.60	127.90	3.289	65.50	1.620	0.71	0.000	0.517	0.49	1.10	0.54
56.65	127.95	3.292	65.55	1.622	0.71	0.000	0.517	0.49	1.10	0.54
56.70	128.00	3.295	65.60	1.623	0.71	0.000	0.517	0.49	1.10	0.53
56.75	128.05	3.298	65.65	1.625	0.71	0.000	0.517	0.49	1.10	0.53
56.80	128.10	3.301	65.70	1.626	0.71	0.000	0.517	0.49	1.10	0.53
56.85	128.15	3.304	65.75	1.628	0.71	0.000	0.517	0.49	1.10	0.53
56.90	128.20	3.307	65.80	1.629	0.71	0.000	0.517	0.48	1.10	0.53
56.95	128.25	3.310	65.85	1.631	0.71	0.000	0.517	0.48	1.10	0.53
57.00	128.30	3.313	65.90	1.632	0.71	0.000	0.517	0.48	1.10	0.53
57.05	128.35	3.316	65.95	1.634	0.71	0.000	0.517	0.48	1.10	0.53
57.10	128.40	3.319	66.00	1.636	0.71	0.000	0.517	0.48	1.10	0.53
57.15	128.45	3.322	66.05	1.637	0.71	0.000	0.517	0.48	1.10	0.53
57.20	128.50	3.325	66.10	1.639	0.71	0.000	0.517	0.48	1.10	0.53
57.25	128.55	3.328	66.15	1.640	0.71	0.000	0.517	0.48	1.10	0.53
57.30	128.60	3.331	66.20	1.642	0.71	0.000	0.517	0.48	1.10	0.53
57.35	128.65	3.334	66.25	1.643	0.71	0.000	0.517	0.48	1.10	0.53
57.40	128.70	3.337	66.30	1.645	0.71	0.000	0.517	0.48	1.10	0.53
57.45	128.75	3.341	66.35	1.647	0.71	0.000	0.517	0.48	1.10	0.53
57.50	128.80	3.344	66.40	1.648	0.71	0.000	0.517	0.48	1.10	0.53
57.55	128.85	3.347	66.45	1.650	0.71	0.000	0.517	0.48	1.10	0.53
57.60	128.90	3.350	66.50	1.651	0.71	0.000	0.517	0.48	1.10	0.53
57.65	128.95	3.353	66.55	1.653	0.70	0.000	0.517	0.48	1.10	0.53
57.70	129.00	3.356	66.60	1.654	0.70	0.000	0.517	0.48	1.10	0.53
57.75	129.05	3.359	66.65	1.656	0.70	0.000	0.517	0.48	1.10	0.53
57.80	129.10	3.362	66.70	1.658	0.70	0.000	0.517	0.48	1.10	0.53
57.85	129.15	3.365	66.75	1.659	0.70	0.000	0.517	0.48	1.10	0.53
57.90	129.20	3.368	66.80	1.661	0.70	0.000	0.517	0.48	1.10	0.53
57.95	129.25	3.371	66.85	1.662	0.70	0.000	0.517	0.48	1.10	0.53
58.00	129.30	3.374	66.90	1.664	0.70	0.000	0.517	0.48	1.10	0.53
58.05	129.35	3.377	66.95	1.665	0.70	0.000	0.517	0.48	1.10	0.53
58.10	129.40	3.380	67.00	1.667	0.70	0.000	0.517	0.48	1.10	0.53
58.15	129.45	3.383	67.05	1.669	0.70	0.000	0.517	0.48	1.10	0.53
58.20	129.50	3.386	67.10	1.670	0.70	0.000	0.517	0.48	1.10	0.52
58.25	129.55	3.389	67.15	1.672	0.70	0.000	0.517	0.48	1.10	0.52
58.30	129.60	3.392	67.20	1.673	0.70	0.000	0.517	0.48	1.10	0.52
58.35	129.65	3.395	67.25	1.675	0.70	0.000	0.517	0.48	1.10	0.52
58.40	129.70	3.399	67.30	1.676	0.70	0.000	0.517	0.48	1.10	0.52
58.45	129.75	3.402	67.35	1.678	0.70	0.000	0.517	0.48	1.10	0.52
58.50	129.80	3.405	67.40	1.680	0.70	0.000	0.517	0.48	1.10	0.52
58.55	129.85	3.408	67.45	1.681	0.70	0.000	0.517	0.48	1.10	0.52
58.60	129.90	3.411	67.50	1.683	0.70	0.000	0.517	0.47	1.10	0.52
58.65	129.95	3.414	67.55	1.684	0.70	0.000	0.517	0.47	1.10	0.52
58.70	130.00	3.417	67.60	1.686	0.70	0.000	0.517	0.47	1.10	0.52
58.75	130.05	3.420	67.65	1.688	0.70	0.000	0.517	0.47	1.10	0.52
58.80	130.10	3.423	67.70	1.689	0.70	0.000	0.517	0.47	1.10	0.52
58.85	130.15	3.426	67.75	1.691	0.70	0.000	0.517	0.47	1.10	0.52
58.90	130.20	3.429	67.80	1.692	0.69	0.000	0.517	0.47	1.10	0.52
58.95	130.25	3.432	67.85	1.694	0.69	0.000	0.517	0.47	1.10	0.52
59.00	130.30	3.435	67.90	1.696	0.69	0.000	0.517	0.47	1.10	0.52
59.05	130.35	3.438	67.95	1.697	0.69	0.000	0.517	0.47	1.10	0.52
59.10	130.40	3.442	68.00	1.699	0.69	0.000	0.517	0.47	1.10	0.52
59.15	130.45	3.445	68.05	1.700	0.69	0.000	0.517	0.47	1.10	0.52
59.20	130.50	3.448	68.10	1.702	0.69	0.000	0.517	0.47	1.10	0.52
59.25	130.55	3.451	68.15	1.704	0.69	0.000	0.517	0.47	1.10	0.52
59.30	130.60	3.454	68.20	1.705	0.69	0.000	0.517	0.47	1.10	0.52
59.35	130.65	3.457	68.25	1.707	0.69	0.000	0.517	0.47	1.10	0.52
59.40	130.70	3.460	68.30	1.709	0.69	0.000	0.517	0.47	1.10	0.52
59.45	130.75	3.463	68.35	1.710	0.69	0.000	0.517	0.47	1.10	0.52
59.50	130.80	3.466	68.40	1.712	0.69	0.000	0.517	0.47	1.10	0.52
59.55	130.85	3.469	68.45	1.713	0.69	0.000	0.517	0.47	1.10	0.52
59.60	130.90	3.472	68.50	1.715	0.69	0.000	0.517	0.47	1.10	0.52
59.65	130.95	3.475	68.55	1.717	0.69	0.000	0.517	0.47	1.10	0.52
59.70	131.00	3.479	68.60	1.718	0.69	0.000	0.517	0.47	1.10	0.52
59.75	131.05	3.482	68.65	1.720	0.69	0.000	0.517	0.47	1.10	0.51
59.80	131.10	3.485	68.70	1.721	0.69	0.000	0.517	0.47	1.10	0.51
59.85	131.15	3.488	68.75	1.723	0.69	0.000	0.517	0.47	1.10	0.51
59.90	131.20	3.491	68.80	1.725	0.69	0.000	0.517	0.47	1.10	0.51

59.95	131.25	3.494	68.85	1.726	0.69	0.000	0.517	0.47	1.10	0.51
60.00	131.30	3.497	68.90	1.728	0.69	0.000	0.517	0.47	1.10	0.51
60.05	131.14	3.500	68.74	1.730	0.69	0.000	0.517	0.47	1.10	0.51
60.10	130.98	3.503	68.58	1.731	0.68	0.000	0.517	0.47	1.10	0.51
60.15	130.83	3.506	68.43	1.733	0.68	0.000	0.517	0.47	1.10	0.51
60.20	130.67	3.510	68.27	1.734	0.68	0.000	0.517	0.47	1.10	0.51
60.25	130.51	3.513	68.11	1.736	0.68	0.000	0.517	0.46	1.10	0.51
60.30	130.35	3.516	67.95	1.738	0.68	0.000	0.517	0.46	1.10	0.51
60.35	130.19	3.519	67.79	1.739	0.68	0.000	0.517	0.46	1.10	0.51
60.40	130.03	3.522	67.63	1.741	0.68	0.000	0.517	0.46	1.10	0.51
60.45	129.87	3.525	67.47	1.742	0.68	0.000	0.517	0.46	1.10	0.51
60.50	129.71	3.528	67.31	1.744	0.68	0.000	0.517	0.46	1.10	0.51
60.55	129.55	3.531	67.15	1.746	0.68	0.000	0.517	0.46	1.10	0.51
60.60	129.39	3.534	66.99	1.747	0.68	0.000	0.517	0.46	1.10	0.51
60.65	129.24	3.537	66.84	1.749	0.68	0.000	0.517	0.46	1.10	0.51
60.70	129.08	3.540	66.68	1.750	0.68	0.000	0.517	0.46	1.10	0.51
60.75	128.92	3.543	66.52	1.752	0.68	0.000	0.517	0.46	1.10	0.51
60.80	128.76	3.546	66.36	1.754	0.68	0.000	0.517	0.46	1.10	0.51
60.85	128.60	3.549	66.20	1.755	0.68	0.000	0.517	0.46	1.10	0.51
60.90	128.44	3.552	66.04	1.757	0.68	0.000	0.517	0.46	1.10	0.51
60.95	128.28	3.555	65.88	1.758	0.68	0.000	0.517	0.46	1.10	0.51
61.00	128.12	3.559	65.72	1.760	0.68	0.000	0.517	0.46	1.10	0.51
61.05	127.96	3.562	65.56	1.761	0.68	0.000	0.517	0.46	1.10	0.51
61.10	127.80	3.565	65.40	1.763	0.68	0.000	0.517	0.46	1.10	0.51
61.15	127.65	3.568	65.25	1.764	0.68	0.000	0.517	0.46	1.10	0.51
61.20	127.49	3.571	65.09	1.766	0.68	0.000	0.517	0.46	1.10	0.51
61.25	127.33	3.574	64.93	1.768	0.68	0.000	0.517	0.46	1.10	0.50
61.30	127.17	3.577	64.77	1.769	0.68	0.000	0.517	0.46	1.10	0.50
61.35	127.01	3.580	64.61	1.771	0.67	0.000	0.517	0.46	1.10	0.50
61.40	126.85	3.583	64.45	1.772	0.67	0.000	0.517	0.46	1.10	0.50
61.45	126.69	3.586	64.29	1.774	0.67	0.000	0.517	0.46	1.10	0.50
61.50	126.53	3.589	64.13	1.775	0.67	0.000	0.517	0.46	1.10	0.50
61.55	126.37	3.592	63.97	1.777	0.67	0.000	0.517	0.46	1.10	0.50
61.60	126.21	3.595	63.81	1.778	0.67	0.000	0.517	0.46	1.10	0.50
61.65	126.06	3.598	63.66	1.780	0.67	0.000	0.517	0.46	1.10	0.50
61.70	125.90	3.601	63.50	1.781	0.67	0.000	0.517	0.46	1.10	0.50
61.75	125.74	3.604	63.34	1.783	0.67	0.000	0.517	0.46	1.10	0.50
61.80	125.58	3.606	63.18	1.784	0.67	0.000	0.517	0.46	1.10	0.50
61.85	125.42	3.609	63.02	1.786	0.67	0.000	0.517	0.46	1.10	0.50
61.90	125.26	3.612	62.86	1.787	0.67	0.000	0.517	0.46	1.10	0.50
61.95	125.10	3.615	62.70	1.789	0.67	0.000	0.517	0.46	1.10	0.50
62.00	124.94	3.618	62.54	1.790	0.67	0.000	0.517	0.45	1.10	0.50
62.05	124.78	3.621	62.38	1.792	0.67	0.000	0.517	0.45	1.10	0.50
62.10	124.62	3.624	62.22	1.793	0.67	0.000	0.517	0.45	1.10	0.50
62.15	124.47	3.627	62.07	1.795	0.67	0.000	0.517	0.45	1.10	0.50
62.20	124.31	3.630	61.91	1.796	0.67	0.000	0.517	0.45	1.10	0.50
62.25	124.15	3.633	61.75	1.797	0.67	0.000	0.517	0.45	1.10	0.50
62.30	123.99	3.636	61.59	1.799	0.67	0.000	0.517	0.45	1.10	0.50
62.35	123.83	3.639	61.43	1.800	0.67	0.000	0.517	0.45	1.10	0.50
62.40	123.67	3.642	61.27	1.802	0.67	0.000	0.517	0.45	1.10	0.50
62.45	123.51	3.645	61.11	1.803	0.67	0.000	0.517	0.45	1.10	0.50
62.50	123.35	3.648	60.95	1.805	0.67	0.000	0.517	0.45	1.10	0.50
62.55	123.19	3.651	60.79	1.806	0.66	0.000	0.517	0.45	1.10	0.50
62.60	123.03	3.654	60.63	1.808	0.66	0.000	0.517	0.45	1.10	0.50
62.65	122.88	3.656	60.48	1.809	0.66	0.000	0.517	0.45	1.10	0.50
62.70	122.72	3.659	60.32	1.810	0.66	0.000	0.517	0.45	1.10	0.50
62.75	122.56	3.662	60.16	1.812	0.66	0.000	0.517	0.45	1.10	0.50
62.80	122.40	3.665	60.00	1.813	0.66	0.000	0.517	0.45	1.10	0.50
62.85	122.24	3.668	59.84	1.815	0.66	0.000	0.517	0.45	1.10	0.50
62.90	122.08	3.671	59.68	1.816	0.66	0.000	0.517	0.45	1.10	0.49
62.95	121.92	3.674	59.52	1.818	0.66	0.000	0.517	0.45	1.10	0.49
63.00	121.76	3.677	59.36	1.819	0.66	0.000	0.517	0.45	1.10	0.49
63.05	121.60	3.680	59.20	1.820	0.66	0.000	0.517	0.45	1.10	0.49
63.10	121.44	3.682	59.04	1.822	0.66	0.000	0.517	0.45	1.10	0.49
63.15	121.29	3.685	58.89	1.823	0.66	0.000	0.517	0.45	1.10	0.49
63.20	121.13	3.688	58.73	1.825	0.66	0.000	0.517	0.45	1.10	0.49
63.25	120.97	3.691	58.57	1.826	0.66	0.000	0.517	0.45	1.10	0.49
63.30	120.81	3.694	58.41	1.827	0.66	0.000	0.517	0.45	1.10	0.49
63.35	120.65	3.697	58.25	1.829	0.66	0.000	0.517	0.45	1.10	0.49
63.40	120.49	3.700	58.09	1.830	0.66	0.000	0.517	0.45	1.10	0.49
63.45	120.33	3.702	57.93	1.831	0.66	0.000	0.517	0.45	1.10	0.49
63.50	120.17	3.705	57.77	1.833	0.66	0.000	0.517	0.45	1.10	0.49
63.55	120.01	3.708	57.61	1.834	0.66	0.000	0.517	0.45	1.10	0.49

63.60	119.85	3.711	57.45	1.836	0.66	0.000	0.517	0.45	1.10	0.49
63.65	119.70	3.714	57.30	1.837	0.66	0.000	0.517	0.45	1.10	0.49
63.70	119.54	3.717	57.14	1.838	0.66	0.000	0.517	0.45	1.10	0.49
63.75	119.38	3.719	56.98	1.840	0.66	0.000	0.517	0.45	1.10	0.49
63.80	119.22	3.722	56.82	1.841	0.65	0.000	0.517	0.44	1.10	0.49
63.85	119.06	3.725	56.66	1.842	0.65	0.000	0.517	0.44	1.10	0.49
63.90	118.90	3.728	56.50	1.844	0.65	0.000	0.517	0.44	1.10	0.49
63.95	118.74	3.731	56.34	1.845	0.65	0.000	0.517	0.44	1.10	0.49
64.00	118.58	3.733	56.18	1.846	0.65	0.000	0.517	0.44	1.10	0.49
64.05	118.42	3.736	56.02	1.848	0.65	0.000	0.517	0.44	1.10	0.49
64.10	118.26	3.739	55.86	1.849	0.65	0.000	0.517	0.44	1.10	0.49
64.15	118.11	3.742	55.71	1.850	0.65	0.000	0.517	0.44	1.10	0.49
64.20	117.95	3.745	55.55	1.852	0.65	0.000	0.517	0.44	1.10	0.49
64.25	117.79	3.747	55.39	1.853	0.65	0.000	0.517	0.44	1.10	0.49
64.30	117.63	3.750	55.23	1.854	0.65	0.000	0.517	0.44	1.10	0.49
64.35	117.47	3.753	55.07	1.856	0.65	0.000	0.517	0.44	1.10	0.49
64.40	117.31	3.756	54.91	1.857	0.65	0.000	0.517	0.44	1.10	0.49
64.45	117.15	3.759	54.75	1.858	0.65	0.000	0.517	0.44	1.10	0.49
64.50	116.99	3.761	54.59	1.859	0.65	0.000	0.517	0.44	1.10	0.49
64.55	116.83	3.764	54.43	1.861	0.65	0.000	0.517	0.44	1.10	0.49
64.60	116.67	3.767	54.27	1.862	0.65	0.000	0.517	0.44	1.10	0.48
64.65	116.52	3.770	54.12	1.863	0.65	0.000	0.517	0.44	1.10	0.48
64.70	116.36	3.772	53.96	1.865	0.65	0.000	0.517	0.44	1.10	0.48
64.75	116.20	3.775	53.80	1.866	0.65	0.000	0.517	0.44	1.10	0.48
64.80	116.04	3.778	53.64	1.867	0.65	0.000	0.517	0.44	1.10	0.48
64.85	115.88	3.781	53.48	1.868	0.65	0.000	0.517	0.44	1.10	0.48
64.90	115.72	3.783	53.32	1.870	0.65	0.000	0.517	0.44	1.10	0.48
64.95	115.56	3.786	53.16	1.871	0.65	0.000	0.517	0.44	1.10	0.48
65.00	115.40	3.789	53.00	1.872	0.65	0.000	0.517	0.44	1.10	0.48
65.05	115.38	3.792	52.98	1.873	0.64	0.000	0.517	0.44	1.10	0.48
65.10	115.36	3.794	52.96	1.875	0.64	0.000	0.517	0.44	1.10	0.48
65.15	115.34	3.797	52.94	1.876	0.64	0.000	0.517	0.44	1.10	0.48
65.20	115.32	3.800	52.92	1.877	0.64	0.000	0.517	0.44	1.10	0.48
65.25	115.30	3.802	52.90	1.878	0.64	0.000	0.517	0.44	1.10	0.48
65.30	115.28	3.805	52.88	1.880	0.64	0.000	0.517	0.44	1.10	0.48
65.35	115.26	3.808	52.86	1.881	0.64	0.000	0.517	0.44	1.10	0.48
65.40	115.24	3.811	52.84	1.882	0.64	0.000	0.517	0.44	1.10	0.48
65.45	115.22	3.813	52.82	1.883	0.64	0.000	0.517	0.44	1.10	0.48
65.50	115.20	3.816	52.80	1.885	0.64	0.000	0.517	0.44	1.10	0.48
65.55	115.18	3.819	52.78	1.886	0.64	0.000	0.517	0.44	1.10	0.48
65.60	115.16	3.821	52.76	1.887	0.64	0.000	0.517	0.44	1.10	0.48
65.65	115.14	3.824	52.74	1.888	0.64	0.000	0.517	0.44	1.10	0.48
65.70	115.12	3.827	52.72	1.890	0.64	0.000	0.517	0.44	1.10	0.48
65.75	115.10	3.830	52.70	1.891	0.64	0.000	0.517	0.43	1.10	0.48
65.80	115.08	3.832	52.68	1.892	0.64	0.000	0.517	0.43	1.10	0.48
65.85	115.06	3.835	52.66	1.893	0.64	0.000	0.517	0.43	1.10	0.48
65.90	115.04	3.838	52.64	1.895	0.64	0.000	0.517	0.43	1.10	0.48
65.95	115.02	3.841	52.62	1.896	0.64	0.000	0.517	0.43	1.10	0.48
66.00	115.00	3.843	52.60	1.897	0.64	0.000	0.517	0.43	1.10	0.48
66.05	114.98	3.846	52.58	1.898	0.64	0.000	0.517	0.43	1.10	0.48
66.10	114.96	3.849	52.56	1.900	0.64	0.000	0.517	0.43	1.10	0.48
66.15	114.94	3.851	52.54	1.901	0.64	0.000	0.517	0.43	1.10	0.48
66.20	114.92	3.854	52.52	1.902	0.64	0.000	0.517	0.43	1.10	0.48
66.25	114.90	3.857	52.50	1.903	0.63	0.000	0.517	0.43	1.10	0.48
66.30	114.88	3.860	52.48	1.905	0.63	0.000	0.517	0.43	1.10	0.48
66.35	114.86	3.862	52.46	1.906	0.63	0.000	0.517	0.43	1.10	0.47
66.40	114.84	3.865	52.44	1.907	0.63	0.000	0.517	0.43	1.10	0.47
66.45	114.82	3.868	52.42	1.908	0.63	0.000	0.517	0.43	1.10	0.47
66.50	114.80	3.870	52.40	1.910	0.63	0.000	0.517	0.43	1.10	0.47
66.55	114.78	3.873	52.38	1.911	0.63	0.000	0.517	0.43	1.10	0.47
66.60	114.76	3.876	52.36	1.912	0.63	0.000	0.517	0.43	1.10	0.47
66.65	114.74	3.879	52.34	1.913	0.63	0.000	0.517	0.43	1.10	0.47
66.70	114.72	3.881	52.32	1.914	0.63	0.000	0.517	0.43	1.10	0.47
66.75	114.70	3.884	52.30	1.916	0.63	0.000	0.517	0.43	1.10	0.47
66.80	114.68	3.887	52.28	1.917	0.63	0.000	0.517	0.43	1.10	0.47
66.85	114.66	3.889	52.26	1.918	0.63	0.000	0.517	0.43	1.10	0.47
66.90	114.64	3.892	52.24	1.919	0.63	0.000	0.517	0.43	1.10	0.47
66.95	114.62	3.895	52.22	1.921	0.63	0.000	0.517	0.43	1.10	0.47
67.00	114.60	3.898	52.20	1.922	0.63	0.000	0.517	0.43	1.10	0.47
67.05	114.58	3.900	52.18	1.923	0.63	0.000	0.517	0.43	1.10	0.47
67.10	114.56	3.903	52.16	1.924	0.63	0.000	0.517	0.43	1.10	0.47
67.15	114.54	3.906	52.14	1.926	0.63	0.000	0.517	0.43	1.10	0.47
67.20	114.52	3.908	52.12	1.927	0.63	0.000	0.517	0.43	1.10	0.47

67.25	114.50	3.911	52.10	1.928	0.63	0.000	0.517	0.43	1.10	0.47
67.30	114.48	3.914	52.08	1.929	0.63	0.000	0.517	0.43	1.10	0.47
67.35	114.46	3.916	52.06	1.931	0.63	0.000	0.517	0.43	1.10	0.47
67.40	114.44	3.919	52.04	1.932	0.63	0.000	0.517	0.43	1.10	0.47
67.45	114.42	3.922	52.02	1.933	0.63	0.000	0.517	0.43	1.10	0.47
67.50	114.40	3.925	52.00	1.934	0.62	0.000	0.517	0.43	1.10	0.47
67.55	114.38	3.927	51.98	1.935	0.62	0.000	0.517	0.43	1.10	0.47
67.60	114.36	3.930	51.96	1.937	0.62	0.000	0.517	0.43	1.10	0.47
67.65	114.34	3.933	51.94	1.938	0.62	0.000	0.517	0.43	1.10	0.47
67.70	114.32	3.935	51.92	1.939	0.62	0.000	0.517	0.42	1.10	0.47
67.75	114.30	3.938	51.90	1.940	0.62	0.000	0.517	0.42	1.10	0.47
67.80	114.28	3.941	51.88	1.942	0.62	0.000	0.517	0.42	1.10	0.47
67.85	114.26	3.943	51.86	1.943	0.62	0.000	0.517	0.42	1.10	0.47
67.90	114.24	3.946	51.84	1.944	0.62	0.000	0.517	0.42	1.10	0.47
67.95	114.22	3.949	51.82	1.945	0.62	0.000	0.517	0.42	1.10	0.47
68.00	114.20	3.952	51.80	1.946	0.62	0.000	0.517	0.42	1.10	0.47
68.05	114.18	3.954	51.78	1.948	0.62	0.000	0.517	0.42	1.10	0.47
68.10	114.16	3.957	51.76	1.949	0.62	0.000	0.517	0.42	1.10	0.47
68.15	114.14	3.960	51.74	1.950	0.62	0.000	0.517	0.42	1.10	0.46
68.20	114.12	3.962	51.72	1.951	0.62	0.000	0.517	0.42	1.10	0.46
68.25	114.10	3.965	51.70	1.953	0.62	0.000	0.517	0.42	1.10	0.46
68.30	114.08	3.968	51.68	1.954	0.62	0.000	0.517	0.42	1.10	0.46
68.35	114.06	3.970	51.66	1.955	0.62	0.000	0.517	0.42	1.10	0.46
68.40	114.04	3.973	51.64	1.956	0.62	0.000	0.517	0.42	1.10	0.46
68.45	114.02	3.976	51.62	1.957	0.62	0.000	0.517	0.42	1.10	0.46
68.50	114.00	3.979	51.60	1.959	0.62	0.000	0.517	0.42	1.10	0.46
68.55	113.98	3.981	51.58	1.960	0.62	0.000	0.517	0.42	1.10	0.46
68.60	113.96	3.984	51.56	1.961	0.62	0.000	0.517	0.42	1.10	0.46
68.65	113.94	3.987	51.54	1.962	0.62	0.000	0.517	0.42	1.10	0.46
68.70	113.92	3.989	51.52	1.964	0.61	0.000	0.517	0.42	1.10	0.46
68.75	113.90	3.992	51.50	1.965	0.61	0.000	0.517	0.42	1.10	0.46
68.80	113.88	3.995	51.48	1.966	0.61	0.000	0.517	0.42	1.10	0.46
68.85	113.86	3.997	51.46	1.967	0.61	0.000	0.517	0.42	1.10	0.46
68.90	113.84	4.000	51.44	1.968	0.61	0.000	0.517	0.42	1.10	0.46
68.95	113.82	4.003	51.42	1.970	0.61	0.000	0.517	0.42	1.10	0.46
69.00	113.80	4.005	51.40	1.971	0.61	0.000	0.517	0.42	1.10	0.46
69.05	113.78	4.008	51.38	1.972	0.61	0.000	0.517	0.42	1.10	0.46
69.10	113.76	4.011	51.36	1.973	0.61	0.000	0.517	0.42	1.10	0.46
69.15	113.74	4.014	51.34	1.974	0.61	0.000	0.517	0.42	1.10	0.46
69.20	113.72	4.016	51.32	1.976	0.61	0.000	0.517	0.42	1.10	0.46
69.25	113.70	4.019	51.30	1.977	0.61	0.000	0.517	0.42	1.10	0.46
69.30	113.68	4.022	51.28	1.978	0.61	0.000	0.517	0.42	1.10	0.46
69.35	113.66	4.024	51.26	1.979	0.61	0.000	0.517	0.42	1.10	0.46
69.40	113.64	4.027	51.24	1.981	0.61	0.000	0.517	0.42	1.10	0.46
69.45	113.62	4.030	51.22	1.982	0.61	0.000	0.517	0.42	1.10	0.46
69.50	113.60	4.032	51.20	1.983	0.61	0.000	0.517	0.42	1.10	0.46
69.55	113.58	4.035	51.18	1.984	0.61	0.000	0.517	0.42	1.10	0.46
69.60	113.56	4.038	51.16	1.985	0.61	0.000	0.517	0.42	1.10	0.46
69.65	113.54	4.040	51.14	1.987	0.61	0.000	0.517	0.42	1.10	0.46
69.70	113.52	4.043	51.12	1.988	0.61	0.000	0.517	0.41	1.10	0.46
69.75	113.50	4.046	51.10	1.989	0.61	0.000	0.517	0.41	1.10	0.46
69.80	113.48	4.048	51.08	1.990	0.61	0.000	0.517	0.41	1.10	0.46
69.85	113.46	4.051	51.06	1.991	0.61	0.000	0.517	0.41	1.10	0.46
69.90	113.44	4.054	51.04	1.993	0.61	0.000	0.517	0.41	1.10	0.46
69.95	113.42	4.056	51.02	1.994	0.60	0.000	0.517	0.41	1.10	0.45
70.00	113.40	4.059	51.00	1.995	0.60	0.000	0.517	0.41	1.10	0.45
70.05	113.37	4.062	50.97	1.996	0.60	0.000	0.517	0.41	1.10	0.45
70.10	113.33	4.064	50.93	1.997	0.60	0.000	0.517	0.41	1.10	0.45
70.15	113.30	4.067	50.90	1.999	0.60	0.000	0.517	0.41	1.10	0.45
70.20	113.26	4.070	50.86	2.000	0.60	0.000	0.517	0.41	1.10	0.45
70.25	113.23	4.073	50.83	2.001	0.60	0.000	0.517	0.41	1.10	0.45
70.30	113.19	4.075	50.79	2.002	0.60	0.000	0.517	0.41	1.10	0.45
70.35	113.16	4.078	50.76	2.003	0.60	0.000	0.517	0.41	1.10	0.45
70.40	113.12	4.081	50.72	2.005	0.60	0.000	0.517	0.41	1.10	0.45
70.45	113.09	4.083	50.69	2.006	0.60	0.000	0.517	0.41	1.10	0.45
70.50	113.05	4.086	50.65	2.007	0.60	0.000	0.517	0.41	1.10	0.45
70.55	113.02	4.089	50.62	2.008	0.60	0.000	0.517	0.41	1.10	0.45
70.60	112.98	4.091	50.58	2.009	0.60	0.000	0.517	0.41	1.10	0.45
70.65	112.95	4.094	50.55	2.011	0.60	0.000	0.517	0.41	1.10	0.45
70.70	112.91	4.097	50.51	2.012	0.60	0.000	0.517	0.41	1.10	0.45
70.75	112.88	4.099	50.48	2.013	0.60	0.000	0.517	0.41	1.10	0.45
70.80	112.84	4.102	50.44	2.014	0.60	0.000	0.517	0.41	1.10	0.45
70.85	112.81	4.105	50.41	2.015	0.60	0.000	0.517	0.41	1.10	0.45

70.90	112.77	4.107	50.37	2.017	0.60	0.000	0.517	0.41	1.10	0.45
70.95	112.74	4.110	50.34	2.018	0.60	0.000	0.517	0.41	1.10	0.45
71.00	112.70	4.113	50.30	2.019	0.60	0.000	0.517	0.41	1.10	0.45
71.05	112.67	4.115	50.27	2.020	0.60	0.000	0.517	0.41	1.10	0.45
71.10	112.63	4.118	50.23	2.021	0.60	0.000	0.517	0.41	1.10	0.45
71.15	112.60	4.121	50.20	2.023	0.60	0.000	0.517	0.41	1.10	0.45
71.20	112.56	4.123	50.16	2.024	0.59	0.000	0.517	0.41	1.10	0.45
71.25	112.53	4.126	50.13	2.025	0.59	0.000	0.517	0.41	1.10	0.45
71.30	112.49	4.129	50.09	2.026	0.59	0.000	0.517	0.41	1.10	0.45
71.35	112.46	4.131	50.06	2.027	0.59	0.000	0.517	0.41	1.10	0.45
71.40	112.42	4.134	50.02	2.028	0.59	0.000	0.517	0.41	1.10	0.45
71.45	112.39	4.136	49.99	2.030	0.59	0.000	0.517	0.41	1.10	0.45
71.50	112.35	4.139	49.95	2.031	0.59	0.000	0.517	0.41	1.10	0.45
71.55	112.32	4.142	49.92	2.032	0.59	0.000	0.517	0.41	1.10	0.45
71.60	112.28	4.144	49.88	2.033	0.59	0.000	0.517	0.41	1.10	0.45
71.65	112.25	4.147	49.85	2.034	0.59	0.000	0.517	0.40	1.10	0.45
71.70	112.21	4.150	49.81	2.036	0.59	0.000	0.517	0.40	1.10	0.45
71.75	112.18	4.152	49.78	2.037	0.59	0.000	0.517	0.40	1.10	0.44
71.80	112.14	4.155	49.74	2.038	0.59	0.000	0.517	0.40	1.10	0.44
71.85	112.11	4.158	49.71	2.039	0.59	0.000	0.517	0.40	1.10	0.44
71.90	112.07	4.160	49.67	2.040	0.59	0.000	0.517	0.40	1.10	0.44
71.95	112.04	4.163	49.64	2.041	0.59	0.000	0.517	0.40	1.10	0.44
72.00	112.00	4.166	49.60	2.043	0.59	0.000	0.517	0.40	1.10	0.44
72.05	111.97	4.168	49.57	2.044	0.59	0.000	0.517	0.40	1.10	0.44
72.10	111.93	4.171	49.53	2.045	0.59	0.000	0.517	0.40	1.10	0.44
72.15	111.90	4.174	49.50	2.046	0.59	0.000	0.517	0.40	1.10	0.44
72.20	111.86	4.176	49.46	2.047	0.59	0.000	0.517	0.40	1.10	0.44
72.25	111.83	4.179	49.43	2.048	0.59	0.000	0.517	0.40	1.10	0.44
72.30	111.79	4.182	49.39	2.050	0.59	0.000	0.517	0.40	1.10	0.44
72.35	111.76	4.184	49.36	2.051	0.59	0.000	0.517	0.40	1.10	0.44
72.40	111.72	4.187	49.32	2.052	0.58	0.000	0.517	0.40	1.10	0.44
72.45	111.69	4.189	49.29	2.053	0.58	0.000	0.517	0.40	1.10	0.44
72.50	111.65	4.192	49.25	2.054	0.58	0.000	0.517	0.40	1.10	0.44
72.55	111.62	4.195	49.22	2.055	0.58	0.000	0.517	0.40	1.10	0.44
72.60	111.58	4.197	49.18	2.057	0.58	0.000	0.517	0.40	1.10	0.44
72.65	111.55	4.200	49.15	2.058	0.58	0.000	0.517	0.40	1.10	0.44
72.70	111.51	4.203	49.11	2.059	0.58	0.000	0.517	0.40	1.10	0.44
72.75	111.48	4.205	49.08	2.060	0.58	0.000	0.517	0.40	1.10	0.44
72.80	111.44	4.208	49.04	2.061	0.58	0.000	0.517	0.40	1.10	0.44
72.85	111.41	4.211	49.01	2.062	0.58	0.000	0.517	0.40	1.10	0.44
72.90	111.37	4.213	48.97	2.064	0.58	0.000	0.517	0.40	1.10	0.44
72.95	111.34	4.216	48.94	2.065	0.58	0.000	0.517	0.40	1.10	0.44
73.00	111.30	4.218	48.90	2.066	0.58	0.000	0.517	0.40	1.10	0.44
73.05	111.27	4.221	48.87	2.067	0.58	0.000	0.517	0.40	1.10	0.44
73.10	111.23	4.224	48.83	2.068	0.58	0.000	0.517	0.40	1.10	0.44
73.15	111.20	4.226	48.80	2.069	0.58	0.000	0.517	0.40	1.10	0.44
73.20	111.16	4.229	48.76	2.070	0.58	0.000	0.517	0.40	1.10	0.44
73.25	111.13	4.232	48.73	2.072	0.58	0.000	0.517	0.40	1.10	0.44
73.30	111.09	4.234	48.69	2.073	0.58	0.000	0.517	0.40	1.10	0.44
73.35	111.06	4.237	48.66	2.074	0.58	0.000	0.517	0.40	1.10	0.44
73.40	111.02	4.239	48.62	2.075	0.58	0.000	0.517	0.40	1.10	0.44
73.45	110.99	4.242	48.59	2.076	0.58	0.000	0.517	0.40	1.10	0.44
73.50	110.95	4.245	48.55	2.077	0.58	0.000	0.517	0.40	1.10	0.43
73.55	110.92	4.247	48.52	2.079	0.58	0.000	0.517	0.40	1.10	0.43
73.60	110.88	4.250	48.48	2.080	0.58	0.000	0.517	0.39	1.10	0.43
73.65	110.85	4.253	48.45	2.081	0.57	0.000	0.517	0.39	1.10	0.43
73.70	110.81	4.255	48.41	2.082	0.57	0.000	0.517	0.39	1.10	0.43
73.75	110.78	4.258	48.38	2.083	0.57	0.000	0.517	0.39	1.10	0.43
73.80	110.74	4.260	48.34	2.084	0.57	0.000	0.517	0.39	1.10	0.43
73.85	110.71	4.263	48.31	2.085	0.57	0.000	0.517	0.39	1.10	0.43
73.90	110.67	4.266	48.27	2.087	0.57	0.000	0.517	0.39	1.10	0.43
73.95	110.64	4.268	48.24	2.088	0.57	0.000	0.517	0.39	1.10	0.43
74.00	110.60	4.271	48.20	2.089	0.57	0.000	0.517	0.39	1.10	0.43
74.05	110.57	4.273	48.17	2.090	0.57	0.000	0.517	0.39	1.10	0.43
74.10	110.53	4.276	48.13	2.091	0.57	0.000	0.517	0.39	1.10	0.43
74.15	110.50	4.279	48.10	2.092	0.57	0.000	0.517	0.39	1.10	0.43
74.20	110.46	4.281	48.06	2.093	0.57	0.000	0.517	0.39	1.10	0.43
74.25	110.43	4.284	48.03	2.095	0.57	0.000	0.517	0.39	1.10	0.43
74.30	110.39	4.287	47.99	2.096	0.57	0.000	0.517	0.39	1.10	0.43
74.35	110.36	4.289	47.96	2.097	0.57	0.000	0.517	0.39	1.10	0.43
74.40	110.32	4.292	47.92	2.098	0.57	0.000	0.517	0.39	1.10	0.43
74.45	110.29	4.294	47.89	2.099	0.57	0.000	0.517	0.39	1.10	0.43
74.50	110.25	4.297	47.85	2.100	0.57	0.000	0.517	0.39	1.10	0.43

74.55	110.22	4.300	47.82	2.101	0.57	0.000	0.517	0.39	1.10	0.43
74.60	110.18	4.302	47.78	2.102	0.57	0.000	0.517	0.39	1.10	0.43
74.65	110.15	4.305	47.75	2.104	0.57	0.000	0.517	0.39	1.10	0.43
74.70	110.11	4.307	47.71	2.105	0.57	0.000	0.517	0.39	1.10	0.43
74.75	110.08	4.310	47.68	2.106	0.57	0.000	0.517	0.39	1.10	0.43
74.80	110.04	4.313	47.64	2.107	0.57	0.000	0.517	0.39	1.10	0.43
74.85	110.01	4.315	47.61	2.108	0.56	0.000	0.517	0.39	1.10	0.43
74.90	109.97	4.318	47.57	2.109	0.56	0.000	0.517	0.39	1.10	0.43
74.95	109.94	4.320	47.54	2.110	0.56	0.000	0.517	0.39	1.10	0.43
75.00	109.90	4.323	47.50	2.111	0.56	0.000	0.517	0.39	1.10	0.43

CSR is based on water table at 0.00 during earthquake

CRR Calculation from SPT or BPT data:

Depth ft	SPT	Cebs	Cr	sigma' atm	Cn	(N1)60	Fines %	d(N1)60	(N1)60f	CRR7.5
5.00	19.00	1.96	0.75	0.282	1.70	47.47	0.00	0.00	47.47	0.50
5.05	19.00	1.96	0.75	0.285	1.70	47.47	0.00	0.00	47.47	0.50
5.10	19.00	1.96	0.75	0.288	1.70	47.47	0.00	0.00	47.47	0.50
5.15	19.00	1.96	0.75	0.291	1.70	47.47	0.00	0.00	47.47	0.50
5.20	19.00	1.96	0.75	0.294	1.70	47.47	0.00	0.00	47.47	0.50
5.25	19.00	1.96	0.75	0.296	1.70	47.47	0.00	0.00	47.47	0.50
5.30	19.00	1.96	0.75	0.299	1.70	47.47	0.00	0.00	47.47	0.50
5.35	19.00	1.96	0.75	0.302	1.70	47.47	0.00	0.00	47.47	0.50
5.40	19.00	1.96	0.75	0.305	1.70	47.47	0.00	0.00	47.47	0.50
5.45	19.00	1.96	0.75	0.308	1.70	47.47	0.00	0.00	47.47	0.50
5.50	19.00	1.96	0.75	0.311	1.70	47.47	0.00	0.00	47.47	0.50
5.55	19.00	1.96	0.75	0.314	1.70	47.47	0.00	0.00	47.47	0.50
5.60	19.00	1.96	0.75	0.316	1.70	47.47	0.00	0.00	47.47	0.50
5.65	19.00	1.96	0.75	0.319	1.70	47.47	0.00	0.00	47.47	0.50
5.70	19.00	1.96	0.75	0.322	1.70	47.47	0.00	0.00	47.47	0.50
5.75	19.00	1.96	0.75	0.325	1.70	47.47	0.00	0.00	47.47	0.50
5.80	19.00	1.96	0.75	0.328	1.70	47.47	0.00	0.00	47.47	0.50
5.85	19.00	1.96	0.75	0.331	1.70	47.47	0.00	0.00	47.47	0.50
5.90	19.00	1.96	0.75	0.334	1.70	47.47	0.00	0.00	47.47	0.50
5.95	19.00	1.96	0.75	0.336	1.70	47.47	0.00	0.00	47.47	0.50
6.00	19.00	1.96	0.75	0.339	1.70	47.47	0.00	0.00	47.47	0.50
6.05	19.00	1.96	0.75	0.342	1.70	47.47	0.00	0.00	47.47	0.50
6.10	19.00	1.96	0.75	0.345	1.70	47.47	0.00	0.00	47.47	0.50
6.15	19.00	1.96	0.75	0.348	1.70	47.34	0.00	0.00	47.34	0.50
6.20	19.00	1.96	0.75	0.351	1.69	47.15	0.00	0.00	47.15	0.50
6.25	19.00	1.96	0.75	0.354	1.68	46.95	0.00	0.00	46.95	0.50
6.30	19.00	1.96	0.75	0.357	1.67	46.76	0.00	0.00	46.76	0.50
6.35	19.00	1.96	0.75	0.359	1.67	46.58	0.00	0.00	46.58	0.50
6.40	19.00	1.96	0.75	0.362	1.66	46.39	0.00	0.00	46.39	0.50
6.45	19.00	1.96	0.75	0.365	1.65	46.21	0.00	0.00	46.21	0.50
6.50	19.00	1.96	0.75	0.368	1.65	46.02	0.00	0.00	46.02	0.50
6.55	19.00	1.96	0.75	0.371	1.64	45.84	0.00	0.00	45.84	0.50
6.60	19.00	1.96	0.75	0.374	1.64	45.67	0.00	0.00	45.67	0.50
6.65	19.00	1.96	0.75	0.377	1.63	45.49	0.00	0.00	45.49	0.50
6.70	19.00	1.96	0.75	0.380	1.62	45.31	0.00	0.00	45.31	0.50
6.75	19.00	1.96	0.75	0.383	1.62	45.14	0.00	0.00	45.14	0.50
6.80	19.00	1.96	0.75	0.386	1.61	44.97	0.00	0.00	44.97	0.50
6.85	19.00	1.96	0.75	0.388	1.60	44.80	0.00	0.00	44.80	0.50
6.90	19.00	1.96	0.75	0.391	1.60	44.64	0.00	0.00	44.64	0.50
6.95	19.00	1.96	0.75	0.394	1.59	44.47	0.00	0.00	44.47	0.50
7.00	19.00	1.96	0.75	0.397	1.59	44.31	0.00	0.00	44.31	0.50
7.05	19.00	1.96	0.75	0.400	1.58	44.14	0.00	0.00	44.14	0.50
7.10	19.00	1.96	0.75	0.403	1.58	43.98	0.00	0.00	43.98	0.50
7.15	19.00	1.96	0.75	0.406	1.57	43.83	0.00	0.00	43.83	0.50
7.20	19.00	1.96	0.75	0.409	1.56	43.67	0.00	0.00	43.67	0.50
7.25	19.00	1.96	0.75	0.412	1.56	43.51	0.00	0.00	43.51	0.50
7.30	19.00	1.96	0.75	0.415	1.55	43.36	0.00	0.00	43.36	0.50
7.35	19.00	1.96	0.75	0.418	1.55	43.21	0.00	0.00	43.21	0.50
7.40	19.00	1.96	0.75	0.421	1.54	43.05	0.00	0.00	43.05	0.50
7.45	19.00	1.96	0.75	0.424	1.54	42.90	0.00	0.00	42.90	0.50
7.50	19.00	1.96	0.75	0.427	1.53	42.76	0.00	0.00	42.76	0.50
7.55	19.00	1.96	0.75	0.430	1.53	42.61	0.00	0.00	42.61	0.50
7.60	19.00	1.96	0.75	0.432	1.52	42.46	0.00	0.00	42.46	0.50
7.65	19.00	1.96	0.75	0.435	1.52	42.32	0.00	0.00	42.32	0.50
7.70	19.00	1.96	0.75	0.438	1.51	42.18	0.00	0.00	42.18	0.50
7.75	19.00	1.96	0.75	0.441	1.51	42.03	0.00	0.00	42.03	0.50

7.80	19.00	1.96	0.75	0.444	1.50	41.89	0.00	0.00	41.89	0.50
7.85	19.00	1.96	0.75	0.447	1.50	41.76	0.00	0.00	41.76	0.50
7.90	19.00	1.96	0.75	0.450	1.49	41.62	0.00	0.00	41.62	0.50
7.95	19.00	1.96	0.75	0.453	1.49	41.48	0.00	0.00	41.48	0.50
8.00	19.00	1.96	0.75	0.456	1.48	41.35	0.00	0.00	41.35	0.50
8.05	19.00	1.96	0.75	0.459	1.48	41.21	0.00	0.00	41.21	0.50
8.10	19.00	1.96	0.75	0.462	1.47	41.08	0.00	0.00	41.08	0.50
8.15	19.00	1.96	0.75	0.465	1.47	40.95	0.00	0.00	40.95	0.50
8.20	19.00	1.96	0.75	0.468	1.46	40.82	0.00	0.00	40.82	0.50
8.25	19.00	1.96	0.85	0.471	1.46	46.11	0.00	0.00	46.11	0.50
8.30	19.00	1.96	0.85	0.474	1.45	45.97	0.00	0.00	45.97	0.50
8.35	19.00	1.96	0.85	0.477	1.45	45.82	0.00	0.00	45.82	0.50
8.40	19.00	1.96	0.85	0.480	1.44	45.68	0.00	0.00	45.68	0.50
8.45	19.00	1.96	0.85	0.483	1.44	45.54	0.00	0.00	45.54	0.50
8.50	19.00	1.96	0.85	0.486	1.43	45.40	0.00	0.00	45.40	0.50
8.55	19.00	1.96	0.85	0.489	1.43	45.26	0.00	0.00	45.26	0.50
8.60	19.00	1.96	0.85	0.492	1.43	45.12	0.00	0.00	45.12	0.50
8.65	19.00	1.96	0.85	0.495	1.42	44.98	0.00	0.00	44.98	0.50
8.70	19.00	1.96	0.85	0.498	1.42	44.85	0.00	0.00	44.85	0.50
8.75	19.00	1.96	0.85	0.501	1.41	44.71	0.00	0.00	44.71	0.50
8.80	19.00	1.96	0.85	0.504	1.41	44.58	0.00	0.00	44.58	0.50
8.85	19.00	1.96	0.85	0.507	1.40	44.45	0.00	0.00	44.45	0.50
8.90	19.00	1.96	0.85	0.510	1.40	44.31	0.00	0.00	44.31	0.50
8.95	19.00	1.96	0.85	0.513	1.40	44.18	0.00	0.00	44.18	0.50
9.00	19.00	1.96	0.85	0.516	1.39	44.05	0.00	0.00	44.05	0.50
9.05	19.00	1.96	0.85	0.519	1.39	43.93	0.00	0.00	43.93	0.50
9.10	19.00	1.96	0.85	0.522	1.38	43.80	0.00	0.00	43.80	0.50
9.15	19.00	1.96	0.85	0.525	1.38	43.67	0.00	0.00	43.67	0.50
9.20	19.00	1.96	0.85	0.528	1.38	43.55	0.00	0.00	43.55	0.50
9.25	19.00	1.96	0.85	0.531	1.37	43.42	0.00	0.00	43.42	0.50
9.30	19.00	1.96	0.85	0.534	1.37	43.30	0.00	0.00	43.30	0.50
9.35	19.00	1.96	0.85	0.537	1.36	43.18	0.00	0.00	43.18	0.50
9.40	19.00	1.96	0.85	0.540	1.36	43.05	0.00	0.00	43.05	0.50
9.45	19.00	1.96	0.85	0.543	1.36	42.93	0.00	0.00	42.93	0.50
9.50	19.00	1.96	0.85	0.546	1.35	42.81	0.00	0.00	42.81	0.50
9.55	19.00	1.96	0.85	0.549	1.35	42.70	0.00	0.00	42.70	0.50
9.60	19.00	1.96	0.85	0.552	1.35	42.58	0.00	0.00	42.58	0.50
9.65	19.00	1.96	0.85	0.556	1.34	42.46	0.00	0.00	42.46	0.50
9.70	19.00	1.96	0.85	0.559	1.34	42.34	0.00	0.00	42.34	0.50
9.75	19.00	1.96	0.85	0.562	1.33	42.23	0.00	0.00	42.23	0.50
9.80	19.00	1.96	0.85	0.565	1.33	42.11	0.00	0.00	42.11	0.50
9.85	19.00	1.96	0.85	0.568	1.33	42.00	0.00	0.00	42.00	0.50
9.90	19.00	1.96	0.85	0.571	1.32	41.89	0.00	0.00	41.89	0.50
9.95	19.00	1.96	0.85	0.574	1.32	41.78	0.00	0.00	41.78	0.50
10.00	19.00	1.96	0.85	0.577	1.32	41.66	0.00	0.00	41.66	0.50
10.05	19.03	1.96	0.85	0.580	1.31	41.62	0.00	0.00	41.62	0.50
10.10	19.06	1.96	0.85	0.583	1.31	41.58	0.00	0.00	41.58	0.50
10.15	19.09	1.96	0.85	0.586	1.31	41.53	0.00	0.00	41.53	0.50
10.20	19.12	1.96	0.85	0.589	1.30	41.49	0.00	0.00	41.49	0.50
10.25	19.15	1.96	0.85	0.592	1.30	41.45	0.00	0.00	41.45	0.50
10.30	19.18	1.96	0.85	0.595	1.30	41.40	0.00	0.00	41.40	0.50
10.35	19.21	1.96	0.85	0.598	1.29	41.36	0.00	0.00	41.36	0.50
10.40	19.24	1.96	0.85	0.602	1.29	41.32	0.00	0.00	41.32	0.50
10.45	19.27	1.96	0.85	0.605	1.29	41.28	0.00	0.00	41.28	0.50
10.50	19.30	1.96	0.85	0.608	1.28	41.24	0.00	0.00	41.24	0.50
10.55	19.33	1.96	0.85	0.611	1.28	41.20	0.00	0.00	41.20	0.50
10.60	19.36	1.96	0.85	0.614	1.28	41.16	0.00	0.00	41.16	0.50
10.65	19.39	1.96	0.85	0.617	1.27	41.12	0.00	0.00	41.12	0.50
10.70	19.42	1.96	0.85	0.620	1.27	41.08	0.00	0.00	41.08	0.50
10.75	19.45	1.96	0.85	0.623	1.27	41.05	0.00	0.00	41.05	0.50
10.80	19.48	1.96	0.85	0.626	1.26	41.01	0.00	0.00	41.01	0.50
10.85	19.51	1.96	0.85	0.629	1.26	40.97	0.00	0.00	40.97	0.50
10.90	19.54	1.96	0.85	0.632	1.26	40.94	0.00	0.00	40.94	0.50
10.95	19.57	1.96	0.85	0.635	1.25	40.90	0.00	0.00	40.90	0.50
11.00	19.60	1.96	0.85	0.638	1.25	40.86	0.00	0.00	40.86	0.50
11.05	19.63	1.96	0.85	0.641	1.25	40.83	0.00	0.00	40.83	0.50
11.10	19.66	1.96	0.85	0.644	1.25	40.79	0.00	0.00	40.79	0.50
11.15	19.69	1.96	0.85	0.647	1.24	40.76	0.00	0.00	40.76	0.50
11.20	19.72	1.96	0.85	0.651	1.24	40.73	0.00	0.00	40.73	0.50
11.25	19.75	1.96	0.85	0.654	1.24	40.69	0.00	0.00	40.69	0.50
11.30	19.78	1.96	0.85	0.657	1.23	40.66	0.00	0.00	40.66	0.50
11.35	19.81	1.96	0.85	0.660	1.23	40.63	0.00	0.00	40.63	0.50
11.40	19.84	1.96	0.85	0.663	1.23	40.59	0.00	0.00	40.59	0.50

11.45	19.87	1.96	0.85	0.666	1.23	40.56	0.00	0.00	40.56	0.50
11.50	19.90	1.96	0.85	0.669	1.22	40.53	0.00	0.00	40.53	0.50
11.55	19.93	1.96	0.85	0.672	1.22	40.50	0.00	0.00	40.50	0.50
11.60	19.96	1.96	0.85	0.675	1.22	40.47	0.00	0.00	40.47	0.50
11.65	19.99	1.96	0.85	0.678	1.21	40.44	0.00	0.00	40.44	0.50
11.70	20.02	1.96	0.85	0.681	1.21	40.41	0.00	0.00	40.41	0.50
11.75	20.05	1.96	0.85	0.684	1.21	40.38	0.00	0.00	40.38	0.50
11.80	20.08	1.96	0.85	0.687	1.21	40.35	0.00	0.00	40.35	0.50
11.85	20.11	1.96	0.85	0.690	1.20	40.32	0.00	0.00	40.32	0.50
11.90	20.14	1.96	0.85	0.693	1.20	40.29	0.00	0.00	40.29	0.50
11.95	20.17	1.96	0.85	0.696	1.20	40.26	0.00	0.00	40.26	0.50
12.00	20.20	1.96	0.85	0.699	1.20	40.23	0.00	0.00	40.23	0.50
12.05	20.23	1.96	0.85	0.702	1.19	40.21	0.00	0.00	40.21	0.50
12.10	20.26	1.96	0.85	0.705	1.19	40.18	0.00	0.00	40.18	0.50
12.15	20.29	1.96	0.85	0.708	1.19	40.15	0.00	0.00	40.15	0.50
12.20	20.32	1.96	0.85	0.712	1.19	40.13	0.00	0.00	40.13	0.50
12.25	20.35	1.96	0.85	0.715	1.18	40.10	0.00	0.00	40.10	0.50
12.30	20.38	1.96	0.85	0.718	1.18	40.07	0.00	0.00	40.07	0.50
12.35	20.41	1.96	0.85	0.721	1.18	40.05	0.00	0.00	40.05	0.50
12.40	20.44	1.96	0.85	0.724	1.18	40.02	0.00	0.00	40.02	0.50
12.45	20.47	1.96	0.85	0.727	1.17	40.00	0.00	0.00	40.00	0.50
12.50	20.50	1.96	0.85	0.730	1.17	39.97	0.00	0.00	39.97	0.50
12.55	20.53	1.96	0.85	0.733	1.17	39.95	0.00	0.00	39.95	0.50
12.60	20.56	1.96	0.85	0.736	1.17	39.92	0.00	0.00	39.92	0.50
12.65	20.59	1.96	0.85	0.739	1.16	39.90	0.00	0.00	39.90	0.50
12.70	20.62	1.96	0.85	0.742	1.16	39.87	0.00	0.00	39.87	0.50
12.75	20.65	1.96	0.85	0.745	1.16	39.85	0.00	0.00	39.85	0.50
12.80	20.68	1.96	0.85	0.748	1.16	39.83	0.00	0.00	39.83	0.50
12.85	20.71	1.96	0.85	0.751	1.15	39.81	0.00	0.00	39.81	0.50
12.90	20.74	1.96	0.85	0.754	1.15	39.78	0.00	0.00	39.78	0.50
12.95	20.77	1.96	0.85	0.757	1.15	39.76	0.00	0.00	39.76	0.50
13.00	20.80	1.96	0.85	0.760	1.15	39.74	0.00	0.00	39.74	0.50
13.05	20.83	1.96	0.85	0.763	1.14	39.72	0.00	0.00	39.72	0.50
13.10	20.86	1.96	0.85	0.766	1.14	39.69	0.00	0.00	39.69	0.50
13.15	20.89	1.96	0.85	0.769	1.14	39.67	0.00	0.00	39.67	0.50
13.20	20.92	1.96	0.85	0.772	1.14	39.65	0.00	0.00	39.65	0.50
13.25	20.95	1.96	0.85	0.775	1.14	39.63	0.00	0.00	39.63	0.50
13.30	20.98	1.96	0.85	0.778	1.13	39.61	0.00	0.00	39.61	0.50
13.35	21.01	1.96	0.85	0.781	1.13	39.59	0.00	0.00	39.59	0.50
13.40	21.04	1.96	0.85	0.784	1.13	39.57	0.00	0.00	39.57	0.50
13.45	21.07	1.96	0.85	0.787	1.13	39.55	0.00	0.00	39.55	0.50
13.50	21.10	1.96	0.85	0.790	1.12	39.53	0.00	0.00	39.53	0.50
13.55	21.13	1.96	0.85	0.793	1.12	39.51	0.00	0.00	39.51	0.50
13.60	21.16	1.96	0.85	0.796	1.12	39.49	0.00	0.00	39.49	0.50
13.65	21.19	1.96	0.85	0.800	1.12	39.47	0.00	0.00	39.47	0.50
13.70	21.22	1.96	0.85	0.803	1.12	39.45	0.00	0.00	39.45	0.50
13.75	21.25	1.96	0.85	0.806	1.11	39.44	0.00	0.00	39.44	0.50
13.80	21.28	1.96	0.85	0.809	1.11	39.42	0.00	0.00	39.42	0.50
13.85	21.31	1.96	0.85	0.812	1.11	39.40	0.00	0.00	39.40	0.50
13.90	21.34	1.96	0.85	0.815	1.11	39.38	0.00	0.00	39.38	0.50
13.95	21.37	1.96	0.85	0.818	1.11	39.36	0.00	0.00	39.36	0.50
14.00	21.40	1.96	0.85	0.821	1.10	39.35	0.00	0.00	39.35	0.50
14.05	21.43	1.96	0.85	0.824	1.10	39.33	0.00	0.00	39.33	0.50
14.10	21.46	1.96	0.85	0.827	1.10	39.31	0.00	0.00	39.31	0.50
14.15	21.49	1.96	0.85	0.830	1.10	39.30	0.00	0.00	39.30	0.50
14.20	21.52	1.96	0.85	0.833	1.10	39.28	0.00	0.00	39.28	0.50
14.25	21.55	1.96	0.85	0.836	1.09	39.26	0.00	0.00	39.26	0.50
14.30	21.58	1.96	0.85	0.839	1.09	39.25	0.00	0.00	39.25	0.50
14.35	21.61	1.96	0.85	0.842	1.09	39.23	0.00	0.00	39.23	0.50
14.40	21.64	1.96	0.85	0.845	1.09	39.22	0.00	0.00	39.22	0.50
14.45	21.67	1.96	0.85	0.848	1.09	39.20	0.00	0.00	39.20	0.50
14.50	21.70	1.96	0.85	0.851	1.08	39.18	0.00	0.00	39.18	0.50
14.55	21.73	1.96	0.85	0.854	1.08	39.17	0.00	0.00	39.17	0.50
14.60	21.76	1.96	0.85	0.857	1.08	39.15	0.00	0.00	39.15	0.50
14.65	21.79	1.96	0.85	0.860	1.08	39.14	0.00	0.00	39.14	0.50
14.70	21.82	1.96	0.85	0.863	1.08	39.13	0.00	0.00	39.13	0.50
14.75	21.85	1.96	0.85	0.866	1.07	39.11	0.00	0.00	39.11	0.50
14.80	21.88	1.96	0.95	0.869	1.07	43.70	0.00	0.00	43.70	0.50
14.85	21.91	1.96	0.95	0.872	1.07	43.68	0.00	0.00	43.68	0.50
14.90	21.94	1.96	0.95	0.875	1.07	43.67	0.00	0.00	43.67	0.50
14.95	21.97	1.96	0.95	0.878	1.07	43.65	0.00	0.00	43.65	0.50
15.00	22.00	1.96	0.95	0.881	1.07	43.63	0.00	0.00	43.63	0.50
15.05	22.00	1.96	0.95	0.884	1.06	43.56	1.01	0.00	43.56	0.50

15.10	22.00	1.96	0.95	0.887	1.06	43.49	2.02	0.00	43.49	0.50
15.15	22.00	1.96	0.95	0.890	1.06	43.41	3.03	0.00	43.41	0.50
15.20	22.00	1.96	0.95	0.893	1.06	43.34	4.04	0.00	43.34	0.50
15.25	22.00	1.96	0.95	0.896	1.06	43.27	5.05	0.06	43.33	0.50
15.30	22.00	1.96	0.95	0.899	1.05	43.20	6.06	0.25	43.44	0.50
15.35	22.00	1.96	0.95	0.902	1.05	43.12	7.07	0.51	43.63	0.50
15.40	22.00	1.96	0.95	0.905	1.05	43.05	8.08	0.88	43.93	0.50
15.45	22.00	1.96	0.95	0.908	1.05	42.98	9.09	1.33	44.31	0.50
15.50	22.00	1.96	0.95	0.911	1.05	42.91	10.10	1.85	44.76	0.50
15.55	22.00	1.96	0.95	0.914	1.05	42.84	11.11	2.41	45.24	0.50
15.60	22.00	1.96	0.95	0.917	1.04	42.77	12.12	2.97	45.74	0.50
15.65	22.00	1.96	0.95	0.920	1.04	42.70	13.13	3.54	46.24	0.50
15.70	22.00	1.96	0.95	0.923	1.04	42.63	14.14	4.09	46.72	0.50
15.75	22.00	1.96	0.95	0.926	1.04	42.56	15.15	4.62	47.19	0.50
15.80	22.00	1.96	0.95	0.929	1.04	42.49	16.16	5.14	47.64	0.50
15.85	22.00	1.96	0.95	0.932	1.04	42.42	17.17	5.65	48.07	0.50
15.90	22.00	1.96	0.95	0.935	1.03	42.36	18.18	6.13	48.49	0.50
15.95	22.00	1.96	0.95	0.938	1.03	42.29	19.19	6.60	48.89	0.50
16.00	22.00	1.96	0.95	0.941	1.03	42.22	20.20	7.06	49.28	0.50
16.05	22.00	1.96	0.95	0.944	1.03	42.16	21.21	7.51	49.66	0.50
16.10	22.00	1.96	0.95	0.947	1.03	42.09	22.22	7.94	50.03	0.50
16.15	22.00	1.96	0.95	0.950	1.03	42.02	23.23	8.37	50.40	0.50
16.20	22.00	1.96	0.95	0.953	1.02	41.96	24.24	8.79	50.75	0.50
16.25	22.00	1.96	0.95	0.956	1.02	41.89	25.25	9.21	51.10	0.50
16.30	22.00	1.96	0.95	0.959	1.02	41.83	26.26	9.62	51.45	0.50
16.35	22.00	1.96	0.95	0.962	1.02	41.76	27.27	10.03	51.79	0.50
16.40	22.00	1.96	0.95	0.965	1.02	41.70	28.28	10.44	52.13	0.50
16.45	22.00	1.96	0.95	0.968	1.02	41.63	29.29	10.84	52.47	0.50
16.50	22.00	1.96	0.95	0.971	1.01	41.57	30.30	11.24	52.81	0.50
16.55	22.00	1.96	0.95	0.974	1.01	41.51	31.31	11.65	53.15	0.50
16.60	22.00	1.96	0.95	0.977	1.01	41.44	32.32	12.05	53.49	0.50
16.65	22.00	1.96	0.95	0.980	1.01	41.38	33.33	12.45	53.83	0.50
16.70	22.00	1.96	0.95	0.983	1.01	41.32	34.34	12.85	54.17	0.50
16.75	22.00	1.96	0.95	0.986	1.01	41.25	35.35	13.25	54.51	0.50
16.80	22.00	1.96	0.95	0.989	1.01	41.19	36.36	13.24	54.43	0.50
16.85	22.00	1.96	0.95	0.991	1.00	41.13	37.37	13.23	54.36	0.50
16.90	22.00	1.96	0.95	0.994	1.00	41.07	38.38	13.21	54.28	0.50
16.95	22.00	1.96	0.95	0.997	1.00	41.01	39.39	13.20	54.21	0.50
17.00	22.00	1.96	0.95	1.000	1.00	40.95	40.40	13.19	54.14	0.50
17.05	22.00	1.96	0.95	1.003	1.00	40.89	41.41	13.18	54.06	0.50
17.10	22.00	1.96	0.95	1.006	1.00	40.83	42.42	13.17	53.99	0.50
17.15	22.00	1.96	0.95	1.009	1.00	40.77	43.43	13.15	53.92	0.50
17.20	22.00	1.96	0.95	1.012	0.99	40.71	44.44	13.14	53.85	0.50
17.25	22.00	1.96	0.95	1.015	0.99	40.65	45.45	13.13	53.78	0.50
17.30	22.00	1.96	0.95	1.018	0.99	40.59	46.46	13.12	53.71	0.50
17.35	22.00	1.96	0.95	1.021	0.99	40.53	47.47	13.11	53.64	0.50
17.40	22.00	1.96	0.95	1.024	0.99	40.47	48.48	13.09	53.57	0.50
17.45	22.00	1.96	0.95	1.027	0.99	40.41	49.49	13.08	53.50	0.50
17.50	22.00	1.96	0.95	1.030	0.99	40.36	50.50	13.07	53.43	0.50
17.55	22.00	1.96	0.95	1.033	0.98	40.30	51.51	13.06	53.36	0.50
17.60	22.00	1.96	0.95	1.036	0.98	40.24	52.52	13.05	53.29	0.50
17.65	22.00	1.96	0.95	1.039	0.98	40.18	53.53	13.04	53.22	0.50
17.70	22.00	1.96	0.95	1.042	0.98	40.13	54.54	13.03	53.15	0.50
17.75	22.00	1.96	0.95	1.045	0.98	40.07	55.55	13.01	53.08	0.50
17.80	22.00	1.96	0.95	1.048	0.98	40.01	56.56	13.00	53.02	0.50
17.85	22.00	1.96	0.95	1.051	0.98	39.96	57.57	12.99	52.95	0.50
17.90	22.00	1.96	0.95	1.054	0.97	39.90	58.58	12.98	52.88	0.50
17.95	22.00	1.96	0.95	1.056	0.97	39.85	59.59	12.97	52.81	0.50
18.00	22.00	1.96	0.95	1.059	0.97	39.79	60.60	12.96	52.75	0.50
18.05	22.00	1.96	0.95	1.062	0.97	39.74	61.61	12.95	52.68	0.50
18.10	22.00	1.96	0.95	1.065	0.97	39.68	62.62	12.94	52.62	0.50
18.15	22.00	1.96	0.95	1.068	0.97	39.63	63.63	12.93	52.55	0.50
18.20	22.00	1.96	0.95	1.071	0.97	39.57	64.64	12.91	52.49	0.50
18.25	22.00	1.96	0.95	1.074	0.96	39.52	65.65	12.90	52.42	0.50
18.30	22.00	1.96	0.95	1.077	0.96	39.46	66.66	12.89	52.36	0.50
18.35	22.00	1.96	0.95	1.080	0.96	39.41	67.67	12.88	52.29	0.50
18.40	22.00	1.96	0.95	1.083	0.96	39.36	68.68	12.87	52.23	0.50
18.45	22.00	1.96	0.95	1.086	0.96	39.30	69.69	12.86	52.16	0.50
18.50	22.00	1.96	0.95	1.089	0.96	39.25	70.70	12.85	52.10	0.50
18.55	22.00	1.96	0.95	1.092	0.96	39.20	71.71	12.84	52.04	0.50
18.60	22.00	1.96	0.95	1.095	0.96	39.15	72.72	12.83	51.97	0.50
18.65	22.00	1.96	0.95	1.098	0.95	39.09	73.73	12.82	51.91	0.50
18.70	22.00	1.96	0.95	1.100	0.95	39.04	74.74	12.81	51.85	0.50

18.75	22.00	1.96	0.95	1.103	0.95	38.99	75.75	12.80	51.79	0.50
18.80	22.00	1.96	0.95	1.106	0.95	38.94	76.76	12.79	51.73	0.50
18.85	22.00	1.96	0.95	1.109	0.95	38.89	77.77	12.78	51.66	0.50
18.90	22.00	1.96	0.95	1.112	0.95	38.84	78.78	12.77	51.60	0.50
18.95	22.00	1.96	0.95	1.115	0.95	38.78	79.79	12.76	51.54	0.50
19.00	22.00	1.96	0.95	1.118	0.95	38.73	80.80	12.75	51.48	0.50
19.05	22.00	1.96	0.95	1.121	0.94	38.68	81.81	12.74	51.42	0.50
19.10	22.00	1.96	0.95	1.124	0.94	38.63	82.82	12.73	51.36	0.50
19.15	22.00	1.96	0.95	1.127	0.94	38.58	83.83	12.72	51.30	0.50
19.20	22.00	1.96	0.95	1.130	0.94	38.53	84.84	12.71	51.24	0.50
19.25	22.00	1.96	0.95	1.133	0.94	38.48	85.85	12.70	51.18	0.50
19.30	22.00	1.96	0.95	1.135	0.94	38.43	86.86	12.69	51.12	0.50
19.35	22.00	1.96	0.95	1.138	0.94	38.39	87.87	12.68	51.06	0.50
19.40	22.00	1.96	0.95	1.141	0.94	38.34	88.88	12.67	51.00	0.50
19.45	22.00	1.96	0.95	1.144	0.93	38.29	89.89	12.66	50.95	0.50
19.50	22.00	1.96	0.95	1.147	0.93	38.24	90.90	12.65	50.89	0.50
19.55	22.00	1.96	0.95	1.150	0.93	38.19	91.91	12.64	50.83	0.50
19.60	22.00	1.96	0.95	1.153	0.93	38.14	92.92	12.63	50.77	0.50
19.65	22.00	1.96	0.95	1.156	0.93	38.09	93.93	12.62	50.71	0.50
19.70	22.00	1.96	0.95	1.159	0.93	38.05	94.94	12.61	50.66	0.50
19.75	22.00	1.96	0.95	1.162	0.93	38.00	95.95	12.60	50.60	0.50
19.80	22.00	1.96	0.95	1.165	0.93	37.95	96.96	12.59	50.54	0.50
19.85	22.00	1.96	0.95	1.167	0.93	37.90	97.97	12.58	50.49	0.50
19.90	22.00	1.96	0.95	1.170	0.92	37.86	98.98	12.57	50.43	0.50
19.95	22.00	1.96	0.95	1.173	0.92	37.81	99.99	12.56	50.37	0.50
20.00	22.00	1.96	0.95	1.176	0.92	37.76	NoLiq	12.55	50.32	0.50
20.05	21.89	1.96	0.95	1.179	0.92	37.53	NoLiq	12.51	50.04	0.50
20.10	21.78	1.96	0.95	1.182	0.92	37.30	NoLiq	12.46	49.75	0.50
20.15	21.67	1.96	0.95	1.185	0.92	37.06	NoLiq	12.41	49.47	0.50
20.20	21.56	1.96	0.95	1.188	0.92	36.83	NoLiq	12.37	49.19	0.50
20.25	21.45	1.96	0.95	1.191	0.92	36.60	NoLiq	12.32	48.92	0.50
20.30	21.34	1.96	0.95	1.193	0.92	36.36	NoLiq	12.27	48.64	0.50
20.35	21.23	1.96	0.95	1.196	0.91	36.13	NoLiq	12.23	48.36	0.50
20.40	21.12	1.96	0.95	1.199	0.91	35.90	NoLiq	12.18	48.08	0.50
20.45	21.01	1.96	0.95	1.202	0.91	35.67	NoLiq	12.13	47.81	0.50
20.50	20.90	1.96	0.95	1.205	0.91	35.44	NoLiq	12.09	47.53	0.50
20.55	20.79	1.96	0.95	1.208	0.91	35.21	NoLiq	12.04	47.26	0.50
20.60	20.68	1.96	0.95	1.211	0.91	34.99	NoLiq	12.00	46.98	0.50
20.65	20.57	1.96	0.95	1.214	0.91	34.76	NoLiq	11.95	46.71	0.50
20.70	20.46	1.96	0.95	1.217	0.91	34.53	NoLiq	11.91	46.44	0.50
20.75	20.35	1.96	0.95	1.219	0.91	34.31	NoLiq	11.86	46.17	0.50
20.80	20.24	1.96	0.95	1.222	0.90	34.08	NoLiq	11.82	45.90	0.50
20.85	20.13	1.96	0.95	1.225	0.90	33.85	NoLiq	11.77	45.63	0.50
20.90	20.02	1.96	0.95	1.228	0.90	33.63	NoLiq	11.73	45.36	0.50
20.95	19.91	1.96	0.95	1.231	0.90	33.41	NoLiq	11.68	45.09	0.50
21.00	19.80	1.96	0.95	1.234	0.90	33.18	NoLiq	11.64	44.82	0.50
21.05	19.69	1.96	0.95	1.237	0.90	32.96	NoLiq	11.59	44.55	0.50
21.10	19.58	1.96	0.95	1.240	0.90	32.74	NoLiq	11.55	44.29	0.50
21.15	19.47	1.96	0.95	1.243	0.90	32.52	NoLiq	11.50	44.02	0.50
21.20	19.36	1.96	0.95	1.245	0.90	32.29	NoLiq	11.46	43.75	0.50
21.25	19.25	1.96	0.95	1.248	0.90	32.07	NoLiq	11.41	43.49	0.50
21.30	19.14	1.96	0.95	1.251	0.89	31.85	NoLiq	11.37	43.23	0.50
21.35	19.03	1.96	0.95	1.254	0.89	31.63	NoLiq	11.33	42.96	0.50
21.40	18.92	1.96	0.95	1.257	0.89	31.42	NoLiq	11.28	42.70	0.50
21.45	18.81	1.96	0.95	1.260	0.89	31.20	NoLiq	11.24	42.44	0.50
21.50	18.70	1.96	0.95	1.263	0.89	30.98	NoLiq	11.20	42.18	0.50
21.55	18.59	1.96	0.95	1.266	0.89	30.76	NoLiq	11.15	41.91	0.50
21.60	18.48	1.96	0.95	1.269	0.89	30.55	NoLiq	11.11	41.65	0.50
21.65	18.37	1.96	0.95	1.271	0.89	30.33	NoLiq	11.07	41.40	0.50
21.70	18.26	1.96	0.95	1.274	0.89	30.11	NoLiq	11.02	41.14	0.50
21.75	18.15	1.96	0.95	1.277	0.88	29.90	NoLiq	10.98	40.88	0.50
21.80	18.04	1.96	0.95	1.280	0.88	29.68	NoLiq	10.94	40.62	0.50
21.85	17.93	1.96	0.95	1.283	0.88	29.47	NoLiq	10.89	40.36	0.50
21.90	17.82	1.96	0.95	1.286	0.88	29.26	NoLiq	10.85	40.11	0.50
21.95	17.71	1.96	0.95	1.289	0.88	29.04	NoLiq	10.81	39.85	0.50
22.00	17.60	1.96	0.95	1.292	0.88	28.83	NoLiq	10.77	39.60	0.50
22.05	17.49	1.96	0.95	1.294	0.88	28.62	NoLiq	10.72	39.34	0.50
22.10	17.38	1.96	0.95	1.297	0.88	28.41	NoLiq	10.68	39.09	0.50
22.15	17.27	1.96	0.95	1.300	0.88	28.20	NoLiq	10.64	38.84	0.50
22.20	17.16	1.96	0.95	1.303	0.88	27.99	NoLiq	10.60	38.58	0.50
22.25	17.05	1.96	0.95	1.306	0.88	27.78	NoLiq	10.56	38.33	0.50
22.30	16.94	1.96	0.95	1.309	0.87	27.57	NoLiq	10.51	38.08	0.50
22.35	16.83	1.96	0.95	1.312	0.87	27.36	NoLiq	10.47	37.83	0.50

22.40	16.72	1.96	0.95	1.315	0.87	27.15	NoLiq	10.43	37.58	0.50
22.45	16.61	1.96	0.95	1.317	0.87	26.94	NoLiq	10.39	37.33	0.50
22.50	16.50	1.96	0.95	1.320	0.87	26.73	NoLiq	10.35	37.08	0.50
22.55	16.39	1.96	0.95	1.323	0.87	26.53	NoLiq	10.31	36.83	0.50
22.60	16.28	1.96	0.95	1.326	0.87	26.32	NoLiq	10.26	36.58	0.50
22.65	16.17	1.96	0.95	1.329	0.87	26.11	NoLiq	10.22	36.34	0.50
22.70	16.06	1.96	0.95	1.332	0.87	25.91	NoLiq	10.18	36.09	0.50
22.75	15.95	1.96	0.95	1.335	0.87	25.70	NoLiq	10.14	35.84	0.50
22.80	15.84	1.96	0.95	1.337	0.86	25.50	NoLiq	10.10	35.60	0.50
22.85	15.73	1.96	0.95	1.340	0.86	25.29	NoLiq	10.06	35.35	0.50
22.90	15.62	1.96	0.95	1.343	0.86	25.09	NoLiq	10.02	35.11	0.50
22.95	15.51	1.96	0.95	1.346	0.86	24.89	NoLiq	9.98	34.86	0.50
23.00	15.40	1.96	0.95	1.349	0.86	24.68	NoLiq	9.94	34.62	0.50
23.05	15.29	1.96	0.95	1.352	0.86	24.48	NoLiq	9.90	34.38	0.50
23.10	15.18	1.96	0.95	1.355	0.86	24.28	NoLiq	9.86	34.14	0.50
23.15	15.07	1.96	0.95	1.358	0.86	24.08	NoLiq	9.82	33.89	0.50
23.20	14.96	1.96	0.95	1.360	0.86	23.88	NoLiq	9.78	33.65	0.50
23.25	14.85	1.96	0.95	1.363	0.86	23.68	NoLiq	9.74	33.41	0.50
23.30	14.74	1.96	0.95	1.366	0.86	23.48	NoLiq	9.70	33.17	0.50
23.35	14.63	1.96	0.95	1.369	0.85	23.28	NoLiq	9.66	32.93	0.50
23.40	14.52	1.96	0.95	1.372	0.85	23.08	NoLiq	9.62	32.69	0.50
23.45	14.41	1.96	0.95	1.375	0.85	22.88	NoLiq	9.58	32.46	0.50
23.50	14.30	1.96	0.95	1.378	0.85	22.68	NoLiq	9.54	32.22	0.50
23.55	14.19	1.96	0.95	1.380	0.85	22.48	NoLiq	9.50	31.98	0.50
23.60	14.08	1.96	0.95	1.383	0.85	22.29	NoLiq	9.46	31.74	0.50
23.65	13.97	1.96	0.95	1.386	0.85	22.09	NoLiq	9.42	31.51	0.50
23.70	13.86	1.96	0.95	1.389	0.85	21.89	NoLiq	9.38	31.27	0.50
23.75	13.75	1.96	0.95	1.392	0.85	21.70	NoLiq	9.34	31.04	0.50
23.80	13.64	1.96	0.95	1.395	0.85	21.50	NoLiq	9.30	30.80	0.50
23.85	13.53	1.96	0.95	1.398	0.85	21.31	NoLiq	9.26	30.57	0.50
23.90	13.42	1.96	0.95	1.400	0.85	21.11	NoLiq	9.22	30.33	0.50
23.95	13.31	1.96	0.95	1.403	0.84	20.92	NoLiq	9.18	30.10	0.49
24.00	13.20	1.96	0.95	1.406	0.84	20.72	NoLiq	9.14	29.87	0.44
24.05	13.09	1.96	0.95	1.409	0.84	20.53	NoLiq	9.11	29.64	0.41
24.10	12.98	1.96	0.95	1.410	0.84	20.35	NoLiq	9.07	29.42	0.40
24.15	12.87	1.96	0.95	1.412	0.84	20.16	NoLiq	9.03	29.20	0.38
24.20	12.76	1.96	0.95	1.413	0.84	19.98	NoLiq	9.00	28.98	0.37
24.25	12.65	1.96	0.95	1.415	0.84	19.80	NoLiq	8.96	28.76	0.37
24.30	12.54	1.96	0.95	1.416	0.84	19.62	NoLiq	8.92	28.54	0.36
24.35	12.43	1.96	0.95	1.417	0.84	19.44	NoLiq	8.89	28.32	0.35
24.40	12.32	1.96	0.95	1.419	0.84	19.26	NoLiq	8.85	28.11	0.35
24.45	12.21	1.96	0.95	1.420	0.84	19.07	NoLiq	8.81	27.89	0.34
24.50	12.10	1.96	0.95	1.421	0.84	18.89	NoLiq	8.78	27.67	0.33
24.55	11.99	1.96	0.95	1.423	0.84	18.71	NoLiq	8.74	27.46	0.33
24.60	11.88	1.96	0.95	1.424	0.84	18.53	NoLiq	8.71	27.24	0.32
24.65	11.77	1.96	0.95	1.426	0.84	18.35	NoLiq	8.67	27.02	0.32
24.70	11.66	1.96	0.95	1.427	0.84	18.17	NoLiq	8.63	26.81	0.32
24.75	11.55	1.96	0.95	1.428	0.84	17.99	NoLiq	8.60	26.59	0.31
24.80	11.44	1.96	0.95	1.430	0.84	17.81	NoLiq	8.56	26.37	0.31
24.85	11.33	1.96	0.95	1.431	0.84	17.63	NoLiq	8.53	26.16	0.30
24.90	11.22	1.96	0.95	1.432	0.84	17.45	NoLiq	8.49	25.94	0.30
24.95	11.11	1.96	0.95	1.434	0.84	17.27	NoLiq	8.45	25.73	0.29
25.00	11.00	1.96	0.95	1.435	0.83	17.09	NoLiq	8.42	25.51	0.29
25.05	11.00	1.96	0.95	1.437	0.83	17.09	NoLiq	8.42	25.50	0.29
25.10	11.00	1.96	0.95	1.438	0.83	17.08	NoLiq	8.42	25.49	0.29
25.15	11.00	1.96	0.95	1.439	0.83	17.07	NoLiq	8.41	25.48	0.29
25.20	11.00	1.96	0.95	1.441	0.83	17.06	NoLiq	8.41	25.47	0.29
25.25	11.00	1.96	0.95	1.442	0.83	17.05	NoLiq	8.41	25.46	0.29
25.30	11.00	1.96	0.95	1.443	0.83	17.04	NoLiq	8.41	25.45	0.29
25.35	11.00	1.96	0.95	1.445	0.83	17.04	NoLiq	8.41	25.44	0.29
25.40	11.00	1.96	0.95	1.446	0.83	17.03	NoLiq	8.41	25.43	0.29
25.45	11.00	1.96	0.95	1.448	0.83	17.02	NoLiq	8.40	25.42	0.29
25.50	11.00	1.96	0.95	1.449	0.83	17.01	NoLiq	8.40	25.41	0.29
25.55	11.00	1.96	0.95	1.450	0.83	17.00	NoLiq	8.40	25.40	0.29
25.60	11.00	1.96	0.95	1.452	0.83	17.00	NoLiq	8.40	25.40	0.29
25.65	11.00	1.96	0.95	1.453	0.83	16.99	NoLiq	8.40	25.39	0.29
25.70	11.00	1.96	0.95	1.454	0.83	16.98	NoLiq	8.40	25.38	0.29
25.75	11.00	1.96	0.95	1.456	0.83	16.97	NoLiq	8.39	25.37	0.29
25.80	11.00	1.96	0.95	1.457	0.83	16.96	NoLiq	8.39	25.36	0.29
25.85	11.00	1.96	0.95	1.459	0.83	16.96	NoLiq	8.39	25.35	0.29
25.90	11.00	1.96	0.95	1.460	0.83	16.95	NoLiq	8.39	25.34	0.29
25.95	11.00	1.96	0.95	1.461	0.83	16.94	NoLiq	8.39	25.33	0.29
26.00	11.00	1.96	0.95	1.463	0.83	16.93	NoLiq	8.39	25.32	0.29

26.05	11.00	1.96	0.95	1.464	0.83	16.92	NoLiq	8.38	25.31	0.29
26.10	11.00	1.96	0.95	1.465	0.83	16.92	NoLiq	8.38	25.30	0.29
26.15	11.00	1.96	0.95	1.467	0.83	16.91	NoLiq	8.38	25.29	0.29
26.20	11.00	1.96	0.95	1.468	0.83	16.90	NoLiq	8.38	25.28	0.29
26.25	11.00	1.96	0.95	1.470	0.82	16.89	NoLiq	8.38	25.27	0.29
26.30	11.00	1.96	0.95	1.471	0.82	16.88	NoLiq	8.38	25.26	0.29
26.35	11.00	1.96	0.95	1.472	0.82	16.88	NoLiq	8.38	25.25	0.29
26.40	11.00	1.96	0.95	1.474	0.82	16.87	NoLiq	8.37	25.24	0.29
26.45	11.00	1.96	0.95	1.475	0.82	16.86	NoLiq	8.37	25.23	0.29
26.50	11.00	1.96	0.95	1.477	0.82	16.85	NoLiq	8.37	25.22	0.29
26.55	11.00	1.96	0.95	1.478	0.82	16.84	NoLiq	8.37	25.21	0.29
26.60	11.00	1.96	0.95	1.479	0.82	16.84	NoLiq	8.37	25.20	0.29
26.65	11.00	1.96	0.95	1.481	0.82	16.83	NoLiq	8.37	25.19	0.29
26.70	11.00	1.96	0.95	1.482	0.82	16.82	NoLiq	8.36	25.18	0.29
26.75	11.00	1.96	0.95	1.483	0.82	16.81	NoLiq	8.36	25.18	0.29
26.80	11.00	1.96	0.95	1.485	0.82	16.81	NoLiq	8.36	25.17	0.29
26.85	11.00	1.96	0.95	1.486	0.82	16.80	NoLiq	8.36	25.16	0.29
26.90	11.00	1.96	0.95	1.488	0.82	16.79	NoLiq	8.36	25.15	0.29
26.95	11.00	1.96	0.95	1.489	0.82	16.78	NoLiq	8.36	25.14	0.28
27.00	11.00	1.96	0.95	1.490	0.82	16.77	NoLiq	8.35	25.13	0.28
27.05	11.00	1.96	0.95	1.492	0.82	16.77	NoLiq	8.35	25.12	0.28
27.10	11.00	1.96	0.95	1.493	0.82	16.76	NoLiq	8.35	25.11	0.28
27.15	11.00	1.96	0.95	1.495	0.82	16.75	NoLiq	8.35	25.10	0.28
27.20	11.00	1.96	0.95	1.496	0.82	16.74	NoLiq	8.35	25.09	0.28
27.25	11.00	1.96	0.95	1.497	0.82	16.73	NoLiq	8.35	25.08	0.28
27.30	11.00	1.96	0.95	1.499	0.82	16.73	NoLiq	8.35	25.07	0.28
27.35	11.00	1.96	0.95	1.500	0.82	16.72	NoLiq	8.34	25.06	0.28
27.40	11.00	1.96	0.95	1.502	0.82	16.71	NoLiq	8.34	25.05	0.28
27.45	11.00	1.96	0.95	1.503	0.82	16.70	NoLiq	8.34	25.04	0.28
27.50	11.00	1.96	0.95	1.504	0.82	16.70	NoLiq	8.34	25.04	0.28
27.55	11.00	1.96	0.95	1.506	0.81	16.69	NoLiq	8.34	25.03	0.28
27.60	11.00	1.96	0.95	1.507	0.81	16.68	NoLiq	8.34	25.02	0.28
27.65	11.00	1.96	0.95	1.508	0.81	16.67	NoLiq	8.33	25.01	0.28
27.70	11.00	1.96	0.95	1.510	0.81	16.67	NoLiq	8.33	25.00	0.28
27.75	11.00	1.96	0.95	1.511	0.81	16.66	NoLiq	8.33	24.99	0.28
27.80	11.00	1.96	0.95	1.513	0.81	16.65	NoLiq	8.33	24.98	0.28
27.85	11.00	1.96	0.95	1.514	0.81	16.64	NoLiq	8.33	24.97	0.28
27.90	11.00	1.96	1.00	1.515	0.81	17.51	NoLiq	8.50	26.01	0.30
27.95	11.00	1.96	1.00	1.517	0.81	17.50	NoLiq	8.50	26.00	0.30
28.00	11.00	1.96	1.00	1.518	0.81	17.49	NoLiq	8.50	25.99	0.30
28.05	11.00	1.96	1.00	1.520	0.81	17.49	NoLiq	8.50	25.98	0.30
28.10	11.00	1.96	1.00	1.521	0.81	17.48	NoLiq	8.50	25.97	0.30
28.15	11.00	1.96	1.00	1.522	0.81	17.47	NoLiq	8.49	25.96	0.30
28.20	11.00	1.96	1.00	1.524	0.81	17.46	NoLiq	8.49	25.95	0.30
28.25	11.00	1.96	1.00	1.525	0.81	17.45	NoLiq	8.49	25.94	0.30
28.30	11.00	1.96	1.00	1.527	0.81	17.45	NoLiq	8.49	25.94	0.30
28.35	11.00	1.96	1.00	1.528	0.81	17.44	NoLiq	8.49	25.93	0.30
28.40	11.00	1.96	1.00	1.529	0.81	17.43	NoLiq	8.49	25.92	0.30
28.45	11.00	1.96	1.00	1.531	0.81	17.42	NoLiq	8.48	25.91	0.30
28.50	11.00	1.96	1.00	1.532	0.81	17.41	NoLiq	8.48	25.90	0.30
28.55	11.00	1.96	1.00	1.534	0.81	17.41	NoLiq	8.48	25.89	0.30
28.60	11.00	1.96	1.00	1.535	0.81	17.40	NoLiq	8.48	25.88	0.30
28.65	11.00	1.96	1.00	1.536	0.81	17.39	NoLiq	8.48	25.87	0.30
28.70	11.00	1.96	1.00	1.538	0.81	17.38	NoLiq	8.48	25.86	0.30
28.75	11.00	1.96	1.00	1.539	0.81	17.37	NoLiq	8.47	25.85	0.30
28.80	11.00	1.96	1.00	1.541	0.81	17.37	NoLiq	8.47	25.84	0.30
28.85	11.00	1.96	1.00	1.542	0.81	17.36	NoLiq	8.47	25.83	0.30
28.90	11.00	1.96	1.00	1.543	0.80	17.35	NoLiq	8.47	25.82	0.30
28.95	11.00	1.96	1.00	1.545	0.80	17.34	NoLiq	8.47	25.81	0.30
29.00	11.00	1.96	1.00	1.546	0.80	17.33	NoLiq	8.47	25.80	0.30
29.05	11.00	1.96	1.00	1.548	0.80	17.33	NoLiq	8.47	25.79	0.30
29.10	11.00	1.96	1.00	1.549	0.80	17.32	NoLiq	8.46	25.78	0.30
29.15	11.00	1.96	1.00	1.550	0.80	17.31	NoLiq	8.46	25.77	0.30
29.20	11.00	1.96	1.00	1.552	0.80	17.30	NoLiq	8.46	25.76	0.30
29.25	11.00	1.96	1.00	1.553	0.80	17.30	NoLiq	8.46	25.75	0.30
29.30	11.00	1.96	1.00	1.555	0.80	17.29	NoLiq	8.46	25.75	0.30
29.35	11.00	1.96	1.00	1.556	0.80	17.28	NoLiq	8.46	25.74	0.30
29.40	11.00	1.96	1.00	1.557	0.80	17.27	NoLiq	8.45	25.73	0.29
29.45	11.00	1.96	1.00	1.559	0.80	17.26	NoLiq	8.45	25.72	0.29
29.50	11.00	1.96	1.00	1.560	0.80	17.26	NoLiq	8.45	25.71	0.29
29.55	11.00	1.96	1.00	1.562	0.80	17.25	NoLiq	8.45	25.70	0.29
29.60	11.00	1.96	1.00	1.563	0.80	17.24	NoLiq	8.45	25.69	0.29
29.65	11.00	1.96	1.00	1.564	0.80	17.23	NoLiq	8.45	25.68	0.29

29.70	11.00	1.96	1.00	1.566	0.80	17.23	NoLiq	8.45	25.67	0.29
29.75	11.00	1.96	1.00	1.567	0.80	17.22	NoLiq	8.44	25.66	0.29
29.80	11.00	1.96	1.00	1.569	0.80	17.21	NoLiq	8.44	25.65	0.29
29.85	11.00	1.96	1.00	1.570	0.80	17.20	NoLiq	8.44	25.64	0.29
29.90	11.00	1.96	1.00	1.572	0.80	17.19	NoLiq	8.44	25.63	0.29
29.95	11.00	1.96	1.00	1.573	0.80	17.19	NoLiq	8.44	25.62	0.29
30.00	11.00	1.96	1.00	1.574	0.80	17.18	NoLiq	8.44	25.62	0.29
30.05	10.97	1.96	1.00	1.576	0.80	17.13	NoLiq	8.43	25.55	0.29
30.10	10.94	1.96	1.00	1.577	0.80	17.07	NoLiq	8.41	25.48	0.29
30.15	10.91	1.96	1.00	1.579	0.80	17.02	NoLiq	8.40	25.42	0.29
30.20	10.88	1.96	1.00	1.580	0.80	16.96	NoLiq	8.39	25.35	0.29
30.25	10.85	1.96	1.00	1.581	0.80	16.91	NoLiq	8.38	25.29	0.29
30.30	10.82	1.96	1.00	1.583	0.79	16.85	NoLiq	8.37	25.22	0.29
30.35	10.79	1.96	1.00	1.584	0.79	16.80	NoLiq	8.36	25.16	0.29
30.40	10.76	1.96	1.00	1.586	0.79	16.74	NoLiq	8.35	25.09	0.28
30.45	10.73	1.96	1.00	1.587	0.79	16.69	NoLiq	8.34	25.03	0.28
30.50	10.70	1.96	1.00	1.588	0.79	16.64	NoLiq	8.33	24.96	0.28
30.55	10.67	1.96	1.00	1.590	0.79	16.58	NoLiq	8.32	24.90	0.28
30.60	10.64	1.96	1.00	1.591	0.79	16.53	NoLiq	8.31	24.83	0.28
30.65	10.61	1.96	1.00	1.593	0.79	16.47	NoLiq	8.29	24.77	0.28
30.70	10.58	1.96	1.00	1.594	0.79	16.42	NoLiq	8.28	24.71	0.28
30.75	10.55	1.96	1.00	1.595	0.79	16.37	NoLiq	8.27	24.64	0.28
30.80	10.52	1.96	1.00	1.597	0.79	16.31	NoLiq	8.26	24.58	0.28
30.85	10.49	1.96	1.00	1.598	0.79	16.26	NoLiq	8.25	24.51	0.27
30.90	10.46	1.96	1.00	1.600	0.79	16.21	NoLiq	8.24	24.45	0.27
30.95	10.43	1.96	1.00	1.601	0.79	16.15	NoLiq	8.23	24.38	0.27
31.00	10.40	1.96	1.00	1.603	0.79	16.10	NoLiq	8.22	24.32	0.27
31.05	10.37	1.96	1.00	1.604	0.79	16.05	NoLiq	8.21	24.25	0.27
31.10	10.34	1.96	1.00	1.605	0.79	15.99	NoLiq	8.20	24.19	0.27
31.15	10.31	1.96	1.00	1.607	0.79	15.94	NoLiq	8.19	24.13	0.27
31.20	10.28	1.96	1.00	1.608	0.79	15.89	NoLiq	8.18	24.06	0.27
31.25	10.25	1.96	1.00	1.610	0.79	15.83	NoLiq	8.17	24.00	0.27
31.30	10.22	1.96	1.00	1.611	0.79	15.78	NoLiq	8.16	23.94	0.27
31.35	10.19	1.96	1.00	1.612	0.79	15.73	NoLiq	8.15	23.87	0.27
31.40	10.16	1.96	1.00	1.614	0.79	15.67	NoLiq	8.13	23.81	0.26
31.45	10.13	1.96	1.00	1.615	0.79	15.62	NoLiq	8.12	23.74	0.26
31.50	10.10	1.96	1.00	1.617	0.79	15.57	NoLiq	8.11	23.68	0.26
31.55	10.07	1.96	1.00	1.618	0.79	15.51	NoLiq	8.10	23.62	0.26
31.60	10.04	1.96	1.00	1.619	0.79	15.46	NoLiq	8.09	23.55	0.26
31.65	10.01	1.96	1.00	1.621	0.79	15.41	NoLiq	8.08	23.49	0.26
31.70	9.98	1.96	1.00	1.622	0.79	15.36	NoLiq	8.07	23.43	0.26
31.75	9.95	1.96	1.00	1.624	0.78	15.30	NoLiq	8.06	23.36	0.26
31.80	9.92	1.96	1.00	1.625	0.78	15.25	NoLiq	8.05	23.30	0.26
31.85	9.89	1.96	1.00	1.626	0.78	15.20	NoLiq	8.04	23.24	0.26
31.90	9.86	1.96	1.00	1.628	0.78	15.14	NoLiq	8.03	23.17	0.26
31.95	9.83	1.96	1.00	1.629	0.78	15.09	NoLiq	8.02	23.11	0.25
32.00	9.80	1.96	1.00	1.631	0.78	15.04	NoLiq	8.01	23.05	0.25
32.05	9.77	1.96	1.00	1.632	0.78	14.99	NoLiq	8.00	22.98	0.25
32.10	9.74	1.96	1.00	1.633	0.78	14.93	NoLiq	7.99	22.92	0.25
32.15	9.71	1.96	1.00	1.635	0.78	14.88	NoLiq	7.98	22.86	0.25
32.20	9.68	1.96	1.00	1.636	0.78	14.83	NoLiq	7.97	22.80	0.25
32.25	9.65	1.96	1.00	1.638	0.78	14.78	NoLiq	7.96	22.73	0.25
32.30	9.62	1.96	1.00	1.639	0.78	14.73	NoLiq	7.95	22.67	0.25
32.35	9.59	1.96	1.00	1.640	0.78	14.67	NoLiq	7.93	22.61	0.25
32.40	9.56	1.96	1.00	1.642	0.78	14.62	NoLiq	7.92	22.55	0.25
32.45	9.53	1.96	1.00	1.643	0.78	14.57	NoLiq	7.91	22.48	0.25
32.50	9.50	1.96	1.00	1.645	0.78	14.52	NoLiq	7.90	22.42	0.25
32.55	9.47	1.96	1.00	1.646	0.78	14.47	NoLiq	7.89	22.36	0.24
32.60	9.44	1.96	1.00	1.647	0.78	14.41	NoLiq	7.88	22.30	0.24
32.65	9.41	1.96	1.00	1.649	0.78	14.36	NoLiq	7.87	22.23	0.24
32.70	9.38	1.96	1.00	1.650	0.78	14.31	NoLiq	7.86	22.17	0.24
32.75	9.35	1.96	1.00	1.651	0.78	14.26	NoLiq	7.85	22.11	0.24
32.80	9.32	1.96	1.00	1.653	0.78	14.21	NoLiq	7.84	22.05	0.24
32.85	9.29	1.96	1.00	1.654	0.78	14.15	NoLiq	7.83	21.99	0.24
32.90	9.26	1.96	1.00	1.656	0.78	14.10	NoLiq	7.82	21.92	0.24
32.95	9.23	1.96	1.00	1.657	0.78	14.05	NoLiq	7.81	21.86	0.24
33.00	9.20	1.96	1.00	1.658	0.78	14.00	NoLiq	7.80	21.80	0.24
33.05	9.17	1.96	1.00	1.660	0.78	13.95	NoLiq	7.79	21.74	0.24
33.10	9.14	1.96	1.00	1.661	0.78	13.90	NoLiq	7.78	21.68	0.24
33.15	9.11	1.96	1.00	1.663	0.78	13.85	NoLiq	7.77	21.61	0.24
33.20	9.08	1.96	1.00	1.664	0.78	13.79	NoLiq	7.76	21.55	0.23
33.25	9.05	1.96	1.00	1.665	0.77	13.74	NoLiq	7.75	21.49	0.23
33.30	9.02	1.96	1.00	1.667	0.77	13.69	NoLiq	7.74	21.43	0.23

33.35	8.99	1.96	1.00	1.668	0.77	13.64	NoLiq	7.73	21.37	0.23
33.40	8.96	1.96	1.00	1.670	0.77	13.59	NoLiq	7.72	21.31	0.23
33.45	8.93	1.96	1.00	1.671	0.77	13.54	NoLiq	7.71	21.25	0.23
33.50	8.90	1.96	1.00	1.672	0.77	13.49	NoLiq	7.70	21.18	0.23
33.55	8.87	1.96	1.00	1.674	0.77	13.44	NoLiq	7.69	21.12	0.23
33.60	8.84	1.96	1.00	1.675	0.77	13.38	NoLiq	7.68	21.06	0.23
33.65	8.81	1.96	1.00	1.677	0.77	13.33	NoLiq	7.67	21.00	0.23
33.70	8.78	1.96	1.00	1.678	0.77	13.28	NoLiq	7.66	20.94	0.23
33.75	8.75	1.96	1.00	1.679	0.77	13.23	NoLiq	7.65	20.88	0.23
33.80	8.72	1.96	1.00	1.681	0.77	13.18	NoLiq	7.64	20.82	0.23
33.85	8.69	1.96	1.00	1.682	0.77	13.13	NoLiq	7.63	20.76	0.22
33.90	8.66	1.96	1.00	1.683	0.77	13.08	NoLiq	7.62	20.70	0.22
33.95	8.63	1.96	1.00	1.685	0.77	13.03	NoLiq	7.61	20.63	0.22
34.00	8.60	1.96	1.00	1.686	0.77	12.98	NoLiq	7.60	20.57	0.22
34.05	8.57	1.96	1.00	1.688	0.77	12.93	NoLiq	7.59	20.51	0.22
34.10	8.54	1.96	1.00	1.689	0.77	12.88	NoLiq	7.58	20.45	0.22
34.15	8.51	1.96	1.00	1.690	0.77	12.83	NoLiq	7.57	20.39	0.22
34.20	8.48	1.96	1.00	1.692	0.77	12.78	NoLiq	7.56	20.33	0.22
34.25	8.45	1.96	1.00	1.693	0.77	12.73	NoLiq	7.55	20.27	0.22
34.30	8.42	1.96	1.00	1.695	0.77	12.68	NoLiq	7.54	20.21	0.22
34.35	8.39	1.96	1.00	1.696	0.77	12.63	NoLiq	7.53	20.15	0.22
34.40	8.36	1.96	1.00	1.697	0.77	12.57	NoLiq	7.51	20.09	0.22
34.45	8.33	1.96	1.00	1.699	0.77	12.52	NoLiq	7.50	20.03	0.22
34.50	8.30	1.96	1.00	1.700	0.77	12.47	NoLiq	7.49	19.97	0.22
34.55	8.27	1.96	1.00	1.701	0.77	12.42	NoLiq	7.48	19.91	0.22
34.60	8.24	1.96	1.00	1.703	0.77	12.37	NoLiq	7.47	19.85	0.21
34.65	8.21	1.96	1.00	1.704	0.77	12.32	NoLiq	7.46	19.79	0.21
34.70	8.18	1.96	1.00	1.706	0.77	12.27	NoLiq	7.45	19.73	0.21
34.75	8.15	1.96	1.00	1.707	0.77	12.22	NoLiq	7.44	19.67	0.21
34.80	8.12	1.96	1.00	1.708	0.77	12.17	NoLiq	7.43	19.61	0.21
34.85	8.09	1.96	1.00	1.710	0.76	12.12	NoLiq	7.42	19.55	0.21
34.90	8.06	1.96	1.00	1.711	0.76	12.07	NoLiq	7.41	19.49	0.21
34.95	8.03	1.96	1.00	1.713	0.76	12.02	NoLiq	7.40	19.43	0.21
35.00	8.00	1.96	1.00	1.714	0.76	11.97	NoLiq	7.39	19.37	0.21
35.05	8.00	1.96	1.00	1.715	0.76	11.97	NoLiq	7.39	19.36	0.21
35.10	8.00	1.96	1.00	1.717	0.76	11.97	NoLiq	7.39	19.36	0.21
35.15	8.00	1.96	1.00	1.718	0.76	11.96	NoLiq	7.39	19.35	0.21
35.20	8.00	1.96	1.00	1.719	0.76	11.96	NoLiq	7.39	19.35	0.21
35.25	8.00	1.96	1.00	1.721	0.76	11.95	NoLiq	7.39	19.34	0.21
35.30	8.00	1.96	1.00	1.722	0.76	11.95	NoLiq	7.39	19.34	0.21
35.35	8.00	1.96	1.00	1.724	0.76	11.94	NoLiq	7.39	19.33	0.21
35.40	8.00	1.96	1.00	1.725	0.76	11.94	NoLiq	7.39	19.32	0.21
35.45	8.00	1.96	1.00	1.726	0.76	11.93	NoLiq	7.39	19.32	0.21
35.50	8.00	1.96	1.00	1.728	0.76	11.93	NoLiq	7.39	19.31	0.21
35.55	8.00	1.96	1.00	1.729	0.76	11.92	NoLiq	7.38	19.31	0.21
35.60	8.00	1.96	1.00	1.730	0.76	11.92	NoLiq	7.38	19.30	0.21
35.65	8.00	1.96	1.00	1.732	0.76	11.91	NoLiq	7.38	19.30	0.21
35.70	8.00	1.96	1.00	1.733	0.76	11.91	NoLiq	7.38	19.29	0.21
35.75	8.00	1.96	1.00	1.735	0.76	11.90	NoLiq	7.38	19.28	0.21
35.80	8.00	1.96	1.00	1.736	0.76	11.90	NoLiq	7.38	19.28	0.21
35.85	8.00	1.96	1.00	1.737	0.76	11.89	NoLiq	7.38	19.27	0.21
35.90	8.00	1.96	1.00	1.739	0.76	11.89	NoLiq	7.38	19.27	0.21
35.95	8.00	1.96	1.00	1.740	0.76	11.88	NoLiq	7.38	19.26	0.21
36.00	8.00	1.96	1.00	1.741	0.76	11.88	NoLiq	7.38	19.26	0.21
36.05	8.00	1.96	1.00	1.743	0.76	11.88	NoLiq	7.38	19.25	0.21
36.10	8.00	1.96	1.00	1.744	0.76	11.87	NoLiq	7.37	19.24	0.21
36.15	8.00	1.96	1.00	1.746	0.76	11.87	NoLiq	7.37	19.24	0.21
36.20	8.00	1.96	1.00	1.747	0.76	11.86	NoLiq	7.37	19.23	0.21
36.25	8.00	1.96	1.00	1.748	0.76	11.86	NoLiq	7.37	19.23	0.21
36.30	8.00	1.96	1.00	1.750	0.76	11.85	NoLiq	7.37	19.22	0.21
36.35	8.00	1.96	1.00	1.751	0.76	11.85	NoLiq	7.37	19.22	0.21
36.40	8.00	1.96	1.00	1.752	0.76	11.84	NoLiq	7.37	19.21	0.21
36.45	8.00	1.96	1.00	1.754	0.76	11.84	NoLiq	7.37	19.21	0.21
36.50	8.00	1.96	1.00	1.755	0.75	11.83	NoLiq	7.37	19.20	0.21
36.55	8.00	1.96	1.00	1.756	0.75	11.83	NoLiq	7.37	19.19	0.21
36.60	8.00	1.96	1.00	1.758	0.75	11.82	NoLiq	7.36	19.19	0.21
36.65	8.00	1.96	1.00	1.759	0.75	11.82	NoLiq	7.36	19.18	0.21
36.70	8.00	1.96	1.00	1.761	0.75	11.81	NoLiq	7.36	19.18	0.21
36.75	8.00	1.96	1.00	1.762	0.75	11.81	NoLiq	7.36	19.17	0.21
36.80	8.00	1.96	1.00	1.763	0.75	11.81	NoLiq	7.36	19.17	0.21
36.85	8.00	1.96	1.00	1.765	0.75	11.80	NoLiq	7.36	19.16	0.21
36.90	8.00	1.96	1.00	1.766	0.75	11.80	NoLiq	7.36	19.16	0.21
36.95	8.00	1.96	1.00	1.767	0.75	11.79	NoLiq	7.36	19.15	0.21

37.00	8.00	1.96	1.00	1.769	0.75	11.79	NoLiq	7.36	19.14	0.21
37.05	8.00	1.96	1.00	1.770	0.75	11.78	NoLiq	7.36	19.14	0.21
37.10	8.00	1.96	1.00	1.772	0.75	11.78	NoLiq	7.36	19.13	0.21
37.15	8.00	1.96	1.00	1.773	0.75	11.77	NoLiq	7.35	19.13	0.21
37.20	8.00	1.96	1.00	1.774	0.75	11.77	NoLiq	7.35	19.12	0.21
37.25	8.00	1.96	1.00	1.776	0.75	11.76	NoLiq	7.35	19.12	0.21
37.30	8.00	1.96	1.00	1.777	0.75	11.76	NoLiq	7.35	19.11	0.21
37.35	8.00	1.96	1.00	1.778	0.75	11.76	NoLiq	7.35	19.11	0.21
37.40	8.00	1.96	1.00	1.780	0.75	11.75	NoLiq	7.35	19.10	0.21
37.45	8.00	1.96	1.00	1.781	0.75	11.75	NoLiq	7.35	19.10	0.21
37.50	8.00	1.96	1.00	1.782	0.75	11.74	NoLiq	7.35	19.09	0.21
37.55	8.00	1.96	1.00	1.784	0.75	11.74	NoLiq	7.35	19.09	0.21
37.60	8.00	1.96	1.00	1.785	0.75	11.73	NoLiq	7.35	19.08	0.21
37.65	8.00	1.96	1.00	1.787	0.75	11.73	NoLiq	7.35	19.07	0.21
37.70	8.00	1.96	1.00	1.788	0.75	11.72	NoLiq	7.34	19.07	0.21
37.75	8.00	1.96	1.00	1.789	0.75	11.72	NoLiq	7.34	19.06	0.21
37.80	8.00	1.96	1.00	1.791	0.75	11.72	NoLiq	7.34	19.06	0.21
37.85	8.00	1.96	1.00	1.792	0.75	11.71	NoLiq	7.34	19.05	0.21
37.90	8.00	1.96	1.00	1.793	0.75	11.71	NoLiq	7.34	19.05	0.21
37.95	8.00	1.96	1.00	1.795	0.75	11.70	NoLiq	7.34	19.04	0.21
38.00	8.00	1.96	1.00	1.796	0.75	11.70	NoLiq	7.34	19.04	0.21
38.05	8.00	1.96	1.00	1.797	0.75	11.69	NoLiq	7.34	19.03	0.21
38.10	8.00	1.96	1.00	1.799	0.75	11.69	NoLiq	7.34	19.03	0.21
38.15	8.00	1.96	1.00	1.800	0.75	11.68	NoLiq	7.34	19.02	0.21
38.20	8.00	1.96	1.00	1.801	0.75	11.68	NoLiq	7.34	19.02	0.21
38.25	8.00	1.96	1.00	1.803	0.74	11.68	NoLiq	7.34	19.01	0.21
38.30	8.00	1.96	1.00	1.804	0.74	11.67	NoLiq	7.33	19.01	0.21
38.35	8.00	1.96	1.00	1.806	0.74	11.67	NoLiq	7.33	19.00	0.21
38.40	8.00	1.96	1.00	1.807	0.74	11.66	NoLiq	7.33	19.00	0.20
38.45	8.00	1.96	1.00	1.808	0.74	11.66	NoLiq	7.33	18.99	0.20
38.50	8.00	1.96	1.00	1.810	0.74	11.65	NoLiq	7.33	18.98	0.20
38.55	8.00	1.96	1.00	1.811	0.74	11.65	NoLiq	7.33	18.98	0.20
38.60	8.00	1.96	1.00	1.812	0.74	11.65	NoLiq	7.33	18.97	0.20
38.65	8.00	1.96	1.00	1.814	0.74	11.64	NoLiq	7.33	18.97	0.20
38.70	8.00	1.96	1.00	1.815	0.74	11.64	NoLiq	7.33	18.96	0.20
38.75	8.00	1.96	1.00	1.816	0.74	11.63	NoLiq	7.33	18.96	0.20
38.80	8.00	1.96	1.00	1.818	0.74	11.63	NoLiq	7.33	18.95	0.20
38.85	8.00	1.96	1.00	1.819	0.74	11.62	NoLiq	7.32	18.95	0.20
38.90	8.00	1.96	1.00	1.820	0.74	11.62	NoLiq	7.32	18.94	0.20
38.95	8.00	1.96	1.00	1.822	0.74	11.61	NoLiq	7.32	18.94	0.20
39.00	8.00	1.96	1.00	1.823	0.74	11.61	NoLiq	7.32	18.93	0.20
39.05	8.00	1.96	1.00	1.824	0.74	11.61	NoLiq	7.32	18.93	0.20
39.10	8.00	1.96	1.00	1.826	0.74	11.60	NoLiq	7.32	18.92	0.20
39.15	8.00	1.96	1.00	1.827	0.74	11.60	NoLiq	7.32	18.92	0.20
39.20	8.00	1.96	1.00	1.828	0.74	11.59	NoLiq	7.32	18.91	0.20
39.25	8.00	1.96	1.00	1.830	0.74	11.59	NoLiq	7.32	18.91	0.20
39.30	8.00	1.96	1.00	1.831	0.74	11.58	NoLiq	7.32	18.90	0.20
39.35	8.00	1.96	1.00	1.833	0.74	11.58	NoLiq	7.32	18.90	0.20
39.40	8.00	1.96	1.00	1.834	0.74	11.58	NoLiq	7.32	18.89	0.20
39.45	8.00	1.96	1.00	1.835	0.74	11.57	NoLiq	7.31	18.89	0.20
39.50	8.00	1.96	1.00	1.837	0.74	11.57	NoLiq	7.31	18.88	0.20
39.55	8.00	1.96	1.00	1.838	0.74	11.56	NoLiq	7.31	18.88	0.20
39.60	8.00	1.96	1.00	1.839	0.74	11.56	NoLiq	7.31	18.87	0.20
39.65	8.00	1.96	1.00	1.841	0.74	11.56	NoLiq	7.31	18.87	0.20
39.70	8.00	1.96	1.00	1.842	0.74	11.55	NoLiq	7.31	18.86	0.20
39.75	8.00	1.96	1.00	1.843	0.74	11.55	NoLiq	7.31	18.86	0.20
39.80	8.00	1.96	1.00	1.845	0.74	11.54	NoLiq	7.31	18.85	0.20
39.85	8.00	1.96	1.00	1.846	0.74	11.54	NoLiq	7.31	18.85	0.20
39.90	8.00	1.96	1.00	1.847	0.74	11.53	NoLiq	7.31	18.84	0.20
39.95	8.00	1.96	1.00	1.849	0.74	11.53	NoLiq	7.31	18.84	0.20
40.00	8.00	1.96	1.00	1.850	0.74	11.53	NoLiq	7.31	18.83	0.20
40.05	8.09	1.96	1.00	1.851	0.73	11.65	NoLiq	7.33	18.98	0.20
40.10	8.18	1.96	1.00	1.853	0.73	11.78	99.16	7.36	19.13	0.21
40.15	8.27	1.96	1.00	1.854	0.73	11.90	98.23	7.38	19.28	0.21
40.20	8.36	1.96	1.00	1.855	0.73	12.03	97.31	7.41	19.43	0.21
40.25	8.45	1.96	1.00	1.857	0.73	12.15	96.38	7.43	19.58	0.21
40.30	8.54	1.96	1.00	1.858	0.73	12.28	95.46	7.46	19.73	0.21
40.35	8.63	1.96	1.00	1.859	0.73	12.40	94.53	7.48	19.88	0.21
40.40	8.72	1.96	1.00	1.861	0.73	12.53	93.61	7.51	20.03	0.22
40.45	8.81	1.96	1.00	1.862	0.73	12.65	92.68	7.53	20.18	0.22
40.50	8.90	1.96	1.00	1.863	0.73	12.78	91.76	7.56	20.33	0.22
40.55	8.99	1.96	1.00	1.865	0.73	12.90	90.83	7.58	20.48	0.22
40.60	9.08	1.96	1.00	1.866	0.73	13.02	89.91	7.60	20.63	0.22

40.65	9.17	1.96	1.00	1.867	0.73	13.15	88.98	7.63	20.78	0.23
40.70	9.26	1.96	1.00	1.869	0.73	13.27	88.06	7.65	20.93	0.23
40.75	9.35	1.96	1.00	1.870	0.73	13.40	87.13	7.68	21.08	0.23
40.80	9.44	1.96	1.00	1.871	0.73	13.52	86.21	7.70	21.23	0.23
40.85	9.53	1.96	1.00	1.873	0.73	13.65	85.28	7.73	21.37	0.23
40.90	9.62	1.96	1.00	1.874	0.73	13.77	84.36	7.75	21.52	0.23
40.95	9.71	1.96	1.00	1.876	0.73	13.89	83.43	7.78	21.67	0.24
41.00	9.80	1.96	1.00	1.877	0.73	14.02	82.51	7.80	21.82	0.24
41.05	9.89	1.96	1.00	1.878	0.73	14.14	81.58	7.83	21.97	0.24
41.10	9.98	1.96	1.00	1.880	0.73	14.26	80.66	7.85	22.12	0.24
41.15	10.07	1.96	1.00	1.881	0.73	14.39	79.73	7.88	22.27	0.24
41.20	10.16	1.96	1.00	1.882	0.73	14.51	78.81	7.90	22.41	0.25
41.25	10.25	1.96	1.00	1.884	0.73	14.63	77.88	7.93	22.56	0.25
41.30	10.34	1.96	1.00	1.885	0.73	14.76	76.96	7.95	22.71	0.25
41.35	10.43	1.96	1.00	1.886	0.73	14.88	76.03	7.98	22.86	0.25
41.40	10.52	1.96	1.00	1.888	0.73	15.00	75.11	8.00	23.00	0.25
41.45	10.61	1.96	1.00	1.889	0.73	15.13	74.18	8.03	23.15	0.26
41.50	10.70	1.96	1.00	1.890	0.73	15.25	73.26	8.05	23.30	0.26
41.55	10.79	1.96	1.00	1.892	0.73	15.37	72.33	8.07	23.45	0.26
41.60	10.88	1.96	1.00	1.893	0.73	15.50	71.41	8.10	23.59	0.26
41.65	10.97	1.96	1.00	1.894	0.73	15.62	70.48	8.12	23.74	0.26
41.70	11.06	1.96	1.00	1.896	0.73	15.74	69.56	8.15	23.89	0.27
41.75	11.15	1.96	1.00	1.897	0.73	15.86	68.63	8.17	24.04	0.27
41.80	11.24	1.96	1.00	1.898	0.73	15.99	67.71	8.20	24.18	0.27
41.85	11.33	1.96	1.00	1.900	0.73	16.11	66.78	8.22	24.33	0.27
41.90	11.42	1.96	1.00	1.901	0.73	16.23	65.86	8.25	24.48	0.27
41.95	11.51	1.96	1.00	1.902	0.73	16.35	64.93	8.27	24.62	0.28
42.00	11.60	1.96	1.00	1.904	0.72	16.47	64.01	8.29	24.77	0.28
42.05	11.69	1.96	1.00	1.905	0.72	16.60	63.08	8.32	24.92	0.28
42.10	11.78	1.96	1.00	1.906	0.72	16.72	62.16	8.34	25.06	0.28
42.15	11.87	1.96	1.00	1.908	0.72	16.84	61.23	8.37	25.21	0.29
42.20	11.96	1.96	1.00	1.909	0.72	16.96	60.31	8.39	25.35	0.29
42.25	12.05	1.96	1.00	1.910	0.72	17.08	59.38	8.42	25.50	0.29
42.30	12.14	1.96	1.00	1.912	0.72	17.20	58.46	8.44	25.65	0.29
42.35	12.23	1.96	1.00	1.913	0.72	17.33	57.53	8.47	25.79	0.30
42.40	12.32	1.96	1.00	1.914	0.72	17.45	56.61	8.49	25.94	0.30
42.45	12.41	1.96	1.00	1.916	0.72	17.57	55.68	8.51	26.08	0.30
42.50	12.50	1.96	1.00	1.917	0.72	17.69	54.76	8.54	26.23	0.30
42.55	12.59	1.96	1.00	1.918	0.72	17.81	53.83	8.56	26.37	0.31
42.60	12.68	1.96	1.00	1.920	0.72	17.93	52.91	8.59	26.52	0.31
42.65	12.77	1.96	1.00	1.921	0.72	18.05	51.98	8.61	26.66	0.31
42.70	12.86	1.96	1.00	1.922	0.72	18.17	51.06	8.63	26.81	0.32
42.75	12.95	1.96	1.00	1.924	0.72	18.30	50.13	8.66	26.95	0.32
42.80	13.04	1.96	1.00	1.925	0.72	18.42	49.21	8.68	27.10	0.32
42.85	13.13	1.96	1.00	1.927	0.72	18.54	48.28	8.71	27.24	0.32
42.90	13.22	1.96	1.00	1.928	0.72	18.66	47.36	8.73	27.39	0.33
42.95	13.31	1.96	1.00	1.929	0.72	18.78	46.43	8.76	27.53	0.33
43.00	13.40	1.96	1.00	1.931	0.72	18.90	45.51	8.78	27.68	0.33
43.05	13.49	1.96	1.00	1.932	0.72	19.02	44.58	8.80	27.82	0.34
43.10	13.58	1.96	1.00	1.933	0.72	19.14	43.66	8.83	27.97	0.34
43.15	13.67	1.96	1.00	1.935	0.72	19.26	42.73	8.85	28.11	0.35
43.20	13.76	1.96	1.00	1.936	0.72	19.38	41.81	8.88	28.25	0.35
43.25	13.85	1.96	1.00	1.937	0.72	19.50	40.88	8.90	28.40	0.35
43.30	13.94	1.96	1.00	1.939	0.72	19.62	39.96	8.92	28.54	0.36
43.35	14.03	1.96	1.00	1.940	0.72	19.74	39.03	8.95	28.69	0.36
43.40	14.12	1.96	1.00	1.941	0.72	19.86	38.11	8.97	28.83	0.37
43.45	14.21	1.96	1.00	1.943	0.72	19.98	37.18	9.00	28.97	0.37
43.50	14.30	1.96	1.00	1.944	0.72	20.10	36.26	9.02	29.12	0.38
43.55	14.39	1.96	1.00	1.945	0.72	20.22	35.33	9.04	29.26	0.39
43.60	14.48	1.96	1.00	1.947	0.72	20.34	34.41	8.85	29.19	0.38
43.65	14.57	1.96	1.00	1.948	0.72	20.46	33.48	8.66	29.12	0.38
43.70	14.66	1.96	1.00	1.949	0.72	20.58	32.56	8.47	29.05	0.38
43.75	14.75	1.96	1.00	1.951	0.72	20.69	31.63	8.28	28.98	0.37
43.80	14.84	1.96	1.00	1.952	0.72	20.81	30.71	8.09	28.90	0.37
43.85	14.93	1.96	1.00	1.953	0.72	20.93	29.78	7.88	28.82	0.37
43.90	15.02	1.96	1.00	1.955	0.72	21.05	28.86	7.68	28.73	0.36
43.95	15.11	1.96	1.00	1.956	0.72	21.17	27.93	7.47	28.64	0.36
44.00	15.20	1.96	1.00	1.957	0.71	21.29	27.01	7.25	28.54	0.36
44.05	15.29	1.96	1.00	1.959	0.71	21.41	26.08	7.03	28.44	0.36
44.10	15.38	1.96	1.00	1.960	0.71	21.53	25.16	6.81	28.33	0.35
44.15	15.47	1.96	1.00	1.961	0.71	21.64	24.23	6.57	28.22	0.35
44.20	15.56	1.96	1.00	1.963	0.71	21.76	23.31	6.33	28.09	0.35
44.25	15.65	1.96	1.00	1.964	0.71	21.88	22.38	6.08	27.96	0.34

44.30	15.74	1.96	1.00	1.965	0.71	22.00	21.46	5.81	27.81	0.34
44.35	15.83	1.96	1.00	1.967	0.71	22.12	20.53	5.54	27.66	0.33
44.40	15.92	1.96	1.00	1.968	0.71	22.24	19.61	5.25	27.49	0.33
44.45	16.01	1.96	1.00	1.969	0.71	22.35	18.68	4.95	27.31	0.33
44.50	16.10	1.96	1.00	1.971	0.71	22.47	17.76	4.64	27.11	0.32
44.55	16.19	1.96	1.00	1.972	0.71	22.59	16.83	4.31	26.90	0.32
44.60	16.28	1.96	1.00	1.973	0.71	22.71	15.91	3.96	26.67	0.31
44.65	16.37	1.96	1.00	1.975	0.71	22.83	14.98	3.59	26.41	0.31
44.70	16.46	1.96	1.00	1.976	0.71	22.94	14.06	3.20	26.15	0.30
44.75	16.55	1.96	1.00	1.977	0.71	23.06	13.13	2.80	25.86	0.30
44.80	16.64	1.96	1.00	1.979	0.71	23.18	12.21	2.38	25.56	0.29
44.85	16.73	1.96	1.00	1.980	0.71	23.30	11.28	1.96	25.25	0.29
44.90	16.82	1.96	1.00	1.982	0.71	23.41	10.36	1.54	24.95	0.28
44.95	16.91	1.96	1.00	1.983	0.71	23.53	9.43	1.13	24.66	0.28
45.00	17.00	1.96	1.00	1.984	0.71	23.65	8.51	0.77	24.42	0.27
45.05	17.00	1.96	1.00	1.986	0.71	23.64	8.50	0.77	24.41	0.27
45.10	17.00	1.96	1.00	1.987	0.71	23.63	8.50	0.77	24.40	0.27
45.15	17.00	1.96	1.00	1.988	0.71	23.63	8.50	0.77	24.39	0.27
45.20	17.00	1.96	1.00	1.990	0.71	23.62	8.50	0.77	24.39	0.27
45.25	17.00	1.96	1.00	1.991	0.71	23.61	8.50	0.77	24.38	0.27
45.30	17.00	1.96	1.00	1.992	0.71	23.60	8.50	0.77	24.37	0.27
45.35	17.00	1.96	1.00	1.994	0.71	23.59	8.50	0.77	24.36	0.27
45.40	17.00	1.96	1.00	1.995	0.71	23.59	8.50	0.77	24.35	0.27
45.45	17.00	1.96	1.00	1.996	0.71	23.58	8.50	0.77	24.35	0.27
45.50	17.00	1.96	1.00	1.998	0.71	23.57	8.50	0.77	24.34	0.27
45.55	17.00	1.96	1.00	1.999	0.71	23.56	8.50	0.77	24.33	0.27
45.60	17.00	1.96	1.00	2.000	0.71	23.55	8.50	0.77	24.32	0.27
45.65	17.00	1.96	1.00	2.002	0.71	23.55	8.50	0.77	24.31	0.27
45.70	17.00	1.96	1.00	2.003	0.71	23.54	8.50	0.77	24.30	0.27
45.75	17.00	1.96	1.00	2.005	0.71	23.53	8.50	0.77	24.30	0.27
45.80	17.00	1.96	1.00	2.006	0.71	23.52	8.50	0.77	24.29	0.27
45.85	17.00	1.96	1.00	2.007	0.71	23.51	8.50	0.77	24.28	0.27
45.90	17.00	1.96	1.00	2.009	0.71	23.51	8.50	0.77	24.27	0.27
45.95	17.00	1.96	1.00	2.010	0.71	23.50	8.50	0.77	24.26	0.27
46.00	17.00	1.96	1.00	2.011	0.71	23.49	8.50	0.77	24.26	0.27
46.05	17.00	1.96	1.00	2.013	0.70	23.48	8.50	0.77	24.25	0.27
46.10	17.00	1.96	1.00	2.014	0.70	23.47	8.50	0.77	24.24	0.27
46.15	17.00	1.96	1.00	2.016	0.70	23.46	8.50	0.77	24.23	0.27
46.20	17.00	1.96	1.00	2.017	0.70	23.46	8.50	0.77	24.22	0.27
46.25	17.00	1.96	1.00	2.018	0.70	23.45	8.50	0.77	24.21	0.27
46.30	17.00	1.96	1.00	2.020	0.70	23.44	8.50	0.77	24.21	0.27
46.35	17.00	1.96	1.00	2.021	0.70	23.43	8.50	0.77	24.20	0.27
46.40	17.00	1.96	1.00	2.023	0.70	23.42	8.50	0.77	24.19	0.27
46.45	17.00	1.96	1.00	2.024	0.70	23.42	8.50	0.77	24.18	0.27
46.50	17.00	1.96	1.00	2.025	0.70	23.41	8.50	0.77	24.17	0.27
46.55	17.00	1.96	1.00	2.027	0.70	23.40	8.50	0.76	24.17	0.27
46.60	17.00	1.96	1.00	2.028	0.70	23.39	8.50	0.76	24.16	0.27
46.65	17.00	1.96	1.00	2.030	0.70	23.38	8.50	0.76	24.15	0.27
46.70	17.00	1.96	1.00	2.031	0.70	23.38	8.50	0.76	24.14	0.27
46.75	17.00	1.96	1.00	2.032	0.70	23.37	8.50	0.76	24.13	0.27
46.80	17.00	1.96	1.00	2.034	0.70	23.36	8.50	0.76	24.12	0.27
46.85	17.00	1.96	1.00	2.035	0.70	23.35	8.50	0.76	24.12	0.27
46.90	17.00	1.96	1.00	2.037	0.70	23.34	8.50	0.76	24.11	0.27
46.95	17.00	1.96	1.00	2.038	0.70	23.34	8.50	0.76	24.10	0.27
47.00	17.00	1.96	1.00	2.039	0.70	23.33	8.50	0.76	24.09	0.27
47.05	17.00	1.96	1.00	2.041	0.70	23.32	8.50	0.76	24.08	0.27
47.10	17.00	1.96	1.00	2.042	0.70	23.31	8.50	0.76	24.07	0.27
47.15	17.00	1.96	1.00	2.044	0.70	23.30	8.50	0.76	24.07	0.27
47.20	17.00	1.96	1.00	2.045	0.70	23.29	8.50	0.76	24.06	0.27
47.25	17.00	1.96	1.00	2.047	0.70	23.29	8.50	0.76	24.05	0.27
47.30	17.00	1.96	1.00	2.048	0.70	23.28	8.50	0.76	24.04	0.27
47.35	17.00	1.96	1.00	2.049	0.70	23.27	8.50	0.76	24.03	0.27
47.40	17.00	1.96	1.00	2.051	0.70	23.26	8.50	0.76	24.03	0.27
47.45	17.00	1.96	1.00	2.052	0.70	23.25	8.50	0.76	24.02	0.27
47.50	17.00	1.96	1.00	2.054	0.70	23.25	8.50	0.76	24.01	0.27
47.55	17.00	1.96	1.00	2.055	0.70	23.24	8.50	0.76	24.00	0.27
47.60	17.00	1.96	1.00	2.057	0.70	23.23	8.50	0.76	23.99	0.27
47.65	17.00	1.96	1.00	2.058	0.70	23.22	8.50	0.76	23.98	0.27
47.70	17.00	1.96	1.00	2.059	0.70	23.21	8.50	0.76	23.98	0.27
47.75	17.00	1.96	1.00	2.061	0.70	23.21	8.50	0.76	23.97	0.27
47.80	17.00	1.96	1.00	2.062	0.70	23.20	8.50	0.76	23.96	0.27
47.85	17.00	1.96	1.00	2.064	0.70	23.19	8.50	0.76	23.95	0.27
47.90	17.00	1.96	1.00	2.065	0.70	23.18	8.50	0.76	23.94	0.27

47.95	17.00	1.96	1.00	2.067	0.70	23.17	8.50	0.76	23.93	0.27
48.00	17.00	1.96	1.00	2.068	0.70	23.16	8.50	0.76	23.93	0.27
48.05	17.00	1.96	1.00	2.070	0.70	23.16	8.50	0.76	23.92	0.27
48.10	17.00	1.96	1.00	2.071	0.69	23.15	8.50	0.76	23.91	0.27
48.15	17.00	1.96	1.00	2.073	0.69	23.14	8.50	0.76	23.90	0.27
48.20	17.00	1.96	1.00	2.074	0.69	23.13	8.50	0.76	23.89	0.27
48.25	17.00	1.96	1.00	2.075	0.69	23.12	8.50	0.76	23.88	0.27
48.30	17.00	1.96	1.00	2.077	0.69	23.12	8.50	0.76	23.88	0.27
48.35	17.00	1.96	1.00	2.078	0.69	23.11	8.50	0.76	23.87	0.27
48.40	17.00	1.96	1.00	2.080	0.69	23.10	8.50	0.76	23.86	0.27
48.45	17.00	1.96	1.00	2.081	0.69	23.09	8.50	0.76	23.85	0.27
48.50	17.00	1.96	1.00	2.083	0.69	23.08	8.50	0.76	23.84	0.26
48.55	17.00	1.96	1.00	2.084	0.69	23.07	8.50	0.76	23.83	0.26
48.60	17.00	1.96	1.00	2.086	0.69	23.07	8.50	0.76	23.83	0.26
48.65	17.00	1.96	1.00	2.087	0.69	23.06	8.50	0.76	23.82	0.26
48.70	17.00	1.96	1.00	2.089	0.69	23.05	8.50	0.76	23.81	0.26
48.75	17.00	1.96	1.00	2.090	0.69	23.04	8.50	0.76	23.80	0.26
48.80	17.00	1.96	1.00	2.092	0.69	23.03	8.50	0.76	23.79	0.26
48.85	17.00	1.96	1.00	2.093	0.69	23.03	8.50	0.76	23.78	0.26
48.90	17.00	1.96	1.00	2.095	0.69	23.02	8.50	0.76	23.78	0.26
48.95	17.00	1.96	1.00	2.096	0.69	23.01	8.50	0.76	23.77	0.26
49.00	17.00	1.96	1.00	2.098	0.69	23.00	8.50	0.76	23.76	0.26
49.05	17.00	1.96	1.00	2.099	0.69	22.99	8.50	0.76	23.75	0.26
49.10	17.00	1.96	1.00	2.101	0.69	22.98	8.50	0.76	23.74	0.26
49.15	17.00	1.96	1.00	2.102	0.69	22.98	8.50	0.76	23.73	0.26
49.20	17.00	1.96	1.00	2.104	0.69	22.97	8.50	0.76	23.73	0.26
49.25	17.00	1.96	1.00	2.105	0.69	22.96	8.50	0.76	23.72	0.26
49.30	17.00	1.96	1.00	2.107	0.69	22.95	8.50	0.76	23.71	0.26
49.35	17.00	1.96	1.00	2.108	0.69	22.94	8.50	0.76	23.70	0.26
49.40	17.00	1.96	1.00	2.110	0.69	22.94	8.50	0.76	23.69	0.26
49.45	17.00	1.96	1.00	2.111	0.69	22.93	8.50	0.76	23.68	0.26
49.50	17.00	1.96	1.00	2.113	0.69	22.92	8.50	0.76	23.68	0.26
49.55	17.00	1.96	1.00	2.114	0.69	22.91	8.50	0.76	23.67	0.26
49.60	17.00	1.96	1.00	2.116	0.69	22.90	8.50	0.76	23.66	0.26
49.65	17.00	1.96	1.00	2.117	0.69	22.89	8.50	0.76	23.65	0.26
49.70	17.00	1.96	1.00	2.119	0.69	22.89	8.50	0.76	23.64	0.26
49.75	17.00	1.96	1.00	2.120	0.69	22.88	8.50	0.76	23.63	0.26
49.80	17.00	1.96	1.00	2.122	0.69	22.87	8.50	0.76	23.63	0.26
49.85	17.00	1.96	1.00	2.123	0.69	22.86	8.50	0.76	23.62	0.26
49.90	17.00	1.96	1.00	2.125	0.69	22.85	8.50	0.76	23.61	0.26
49.95	17.00	1.96	1.00	2.126	0.69	22.84	8.50	0.76	23.60	0.26
50.00	17.00	1.96	1.00	2.128	0.69	22.84	8.50	0.76	23.59	0.26
50.05	17.27	1.96	1.00	2.130	0.69	23.19	8.50	0.76	23.95	0.27
50.10	17.54	1.96	1.00	2.131	0.69	23.54	8.50	0.77	24.31	0.27
50.15	17.81	1.96	1.00	2.133	0.68	23.90	8.50	0.77	24.67	0.28
50.20	18.08	1.96	1.00	2.134	0.68	24.25	8.50	0.78	25.03	0.28
50.25	18.35	1.96	1.00	2.136	0.68	24.60	8.50	0.78	25.38	0.29
50.30	18.62	1.96	1.00	2.137	0.68	24.96	8.50	0.79	25.74	0.30
50.35	18.89	1.96	1.00	2.139	0.68	25.31	8.50	0.79	26.10	0.30
50.40	19.16	1.96	1.00	2.140	0.68	25.66	8.50	0.80	26.46	0.31
50.45	19.43	1.96	1.00	2.142	0.68	26.01	8.50	0.80	26.82	0.32
50.50	19.70	1.96	1.00	2.143	0.68	26.37	8.50	0.81	27.17	0.32
50.55	19.97	1.96	1.00	2.145	0.68	26.72	8.50	0.81	27.53	0.33
50.60	20.24	1.96	1.00	2.146	0.68	27.07	8.50	0.82	27.89	0.34
50.65	20.51	1.96	1.00	2.148	0.68	27.42	8.50	0.82	28.24	0.35
50.70	20.78	1.96	1.00	2.149	0.68	27.77	8.50	0.83	28.60	0.36
50.75	21.05	1.96	1.00	2.151	0.68	28.12	8.50	0.83	28.96	0.37
50.80	21.32	1.96	1.00	2.153	0.68	28.47	8.50	0.84	29.31	0.39
50.85	21.59	1.96	1.00	2.154	0.68	28.82	8.50	0.85	29.67	0.41
50.90	21.86	1.96	1.00	2.156	0.68	29.17	8.50	0.85	30.02	0.46
50.95	22.13	1.96	1.00	2.157	0.68	29.52	8.50	0.86	30.38	0.50
51.00	22.40	1.96	1.00	2.159	0.68	29.87	8.50	0.86	30.73	0.50
51.05	22.67	1.96	1.00	2.160	0.68	30.22	8.50	0.87	31.09	0.50
51.10	22.94	1.96	1.00	2.162	0.68	30.57	8.50	0.87	31.44	0.50
51.15	23.21	1.96	1.00	2.163	0.68	30.92	8.50	0.88	31.80	0.50
51.20	23.48	1.96	1.00	2.165	0.68	31.27	8.50	0.88	32.15	0.50
51.25	23.75	1.96	1.00	2.166	0.68	31.62	8.50	0.89	32.50	0.50
51.30	24.02	1.96	1.00	2.168	0.68	31.97	8.50	0.89	32.86	0.50
51.35	24.29	1.96	1.00	2.169	0.68	32.31	8.50	0.90	33.21	0.50
51.40	24.56	1.96	1.00	2.171	0.68	32.66	8.50	0.90	33.56	0.50
51.45	24.83	1.96	1.00	2.172	0.68	33.01	8.50	0.91	33.92	0.50
51.50	25.10	1.96	1.00	2.174	0.68	33.36	8.50	0.91	34.27	0.50
51.55	25.37	1.96	1.00	2.175	0.68	33.70	8.50	0.92	34.62	0.50

51.60	25.64	1.96	1.00	2.177	0.68	34.05	8.50	0.92	34.97	0.50
51.65	25.91	1.96	1.00	2.179	0.68	34.40	8.50	0.93	35.32	0.50
51.70	26.18	1.96	1.00	2.180	0.68	34.74	8.50	0.93	35.67	0.50
51.75	26.45	1.96	1.00	2.182	0.68	35.09	8.50	0.94	36.03	0.50
51.80	26.72	1.96	1.00	2.183	0.68	35.43	8.50	0.94	36.38	0.50
51.85	26.99	1.96	1.00	2.185	0.68	35.78	8.50	0.95	36.73	0.50
51.90	27.26	1.96	1.00	2.186	0.68	36.12	8.50	0.95	37.08	0.50
51.95	27.53	1.96	1.00	2.188	0.68	36.47	8.50	0.96	37.43	0.50
52.00	27.80	1.96	1.00	2.189	0.68	36.81	8.50	0.96	37.78	0.50
52.05	28.07	1.96	1.00	2.191	0.68	37.16	8.50	0.97	38.13	0.50
52.10	28.34	1.96	1.00	2.192	0.68	37.50	8.50	0.97	38.48	0.50
52.15	28.61	1.96	1.00	2.194	0.68	37.85	8.50	0.98	38.83	0.50
52.20	28.88	1.96	1.00	2.195	0.67	38.19	8.50	0.98	39.18	0.50
52.25	29.15	1.96	1.00	2.197	0.67	38.54	8.50	0.99	39.52	0.50
52.30	29.42	1.96	1.00	2.198	0.67	38.88	8.50	0.99	39.87	0.50
52.35	29.69	1.96	1.00	2.200	0.67	39.22	8.50	1.00	40.22	0.50
52.40	29.96	1.96	1.00	2.201	0.67	39.57	8.50	1.00	40.57	0.50
52.45	30.23	1.96	1.00	2.203	0.67	39.91	8.50	1.01	40.92	0.50
52.50	30.50	1.96	1.00	2.204	0.67	40.25	8.50	1.01	41.26	0.50
52.55	30.77	1.96	1.00	2.206	0.67	40.59	8.50	1.02	41.61	0.50
52.60	31.04	1.96	1.00	2.208	0.67	40.94	8.50	1.02	41.96	0.50
52.65	31.31	1.96	1.00	2.209	0.67	41.28	8.50	1.03	42.31	0.50
52.70	31.58	1.96	1.00	2.211	0.67	41.62	8.50	1.03	42.65	0.50
52.75	31.85	1.96	1.00	2.212	0.67	41.96	8.50	1.04	43.00	0.50
52.80	32.12	1.96	1.00	2.214	0.67	42.30	8.50	1.04	43.35	0.50
52.85	32.39	1.96	1.00	2.215	0.67	42.64	8.50	1.05	43.69	0.50
52.90	32.66	1.96	1.00	2.217	0.67	42.98	8.50	1.05	44.04	0.50
52.95	32.93	1.96	1.00	2.218	0.67	43.32	8.50	1.06	44.38	0.50
53.00	33.20	1.96	1.00	2.220	0.67	43.66	8.50	1.06	44.73	0.50
53.05	33.47	1.96	1.00	2.221	0.67	44.00	8.50	1.07	45.07	0.50
53.10	33.74	1.96	1.00	2.223	0.67	44.34	8.50	1.07	45.42	0.50
53.15	34.01	1.96	1.00	2.224	0.67	44.68	8.50	1.08	45.76	0.50
53.20	34.28	1.96	1.00	2.226	0.67	45.02	8.50	1.08	46.11	0.50
53.25	34.55	1.96	1.00	2.227	0.67	45.36	8.50	1.09	46.45	0.50
53.30	34.82	1.96	1.00	2.229	0.67	45.70	8.50	1.09	46.80	0.50
53.35	35.09	1.96	1.00	2.230	0.67	46.04	8.50	1.10	47.14	0.50
53.40	35.36	1.96	1.00	2.232	0.67	46.38	8.50	1.10	47.48	0.50
53.45	35.63	1.96	1.00	2.233	0.67	46.72	8.50	1.11	47.83	0.50
53.50	35.90	1.96	1.00	2.235	0.67	47.05	8.50	1.11	48.17	0.50
53.55	36.17	1.96	1.00	2.236	0.67	47.39	8.50	1.12	48.51	0.50
53.60	36.44	1.96	1.00	2.238	0.67	47.73	8.50	1.12	48.85	0.50
53.65	36.71	1.96	1.00	2.239	0.67	48.07	8.50	1.13	49.20	0.50
53.70	36.98	1.96	1.00	2.241	0.67	48.40	8.50	1.13	49.54	0.50
53.75	37.25	1.96	1.00	2.242	0.67	48.74	8.50	1.14	49.88	0.50
53.80	37.52	1.96	1.00	2.244	0.67	49.08	8.50	1.14	50.22	0.50
53.85	37.79	1.96	1.00	2.245	0.67	49.41	8.50	1.15	50.56	0.50
53.90	38.06	1.96	1.00	2.247	0.67	49.75	8.50	1.15	50.91	0.50
53.95	38.33	1.96	1.00	2.249	0.67	50.09	8.50	1.16	51.25	0.50
54.00	38.60	1.96	1.00	2.250	0.67	50.42	8.50	1.16	51.59	0.50
54.05	38.87	1.96	1.00	2.252	0.67	50.76	8.50	1.17	51.93	0.50
54.10	39.14	1.96	1.00	2.253	0.67	51.09	8.50	1.17	52.27	0.50
54.15	39.41	1.96	1.00	2.255	0.67	51.43	8.50	1.18	52.61	0.50
54.20	39.68	1.96	1.00	2.256	0.67	51.76	8.50	1.18	52.95	0.50
54.25	39.95	1.96	1.00	2.258	0.67	52.10	8.50	1.19	53.29	0.50
54.30	40.22	1.96	1.00	2.259	0.67	52.43	8.50	1.19	53.63	0.50
54.35	40.49	1.96	1.00	2.261	0.67	52.77	8.50	1.20	53.97	0.50
54.40	40.76	1.96	1.00	2.262	0.66	53.10	8.50	1.20	54.31	0.50
54.45	41.03	1.96	1.00	2.264	0.66	53.44	8.50	1.21	54.64	0.50
54.50	41.30	1.96	1.00	2.265	0.66	53.77	8.50	1.21	54.98	0.50
54.55	41.57	1.96	1.00	2.267	0.66	54.10	8.50	1.22	55.32	0.50
54.60	41.84	1.96	1.00	2.268	0.66	54.44	8.50	1.22	55.66	0.50
54.65	42.11	1.96	1.00	2.270	0.66	54.77	8.50	1.23	56.00	0.50
54.70	42.38	1.96	1.00	2.271	0.66	55.10	8.50	1.23	56.34	0.50
54.75	42.65	1.96	1.00	2.273	0.66	55.43	8.50	1.24	56.67	0.50
54.80	42.92	1.96	1.00	2.274	0.66	55.77	8.50	1.24	57.01	0.50
54.85	43.19	1.96	1.00	2.276	0.66	56.10	8.50	1.25	57.35	0.50
54.90	43.46	1.96	1.00	2.277	0.66	56.43	8.50	1.25	57.68	0.50
54.95	43.73	1.96	1.00	2.279	0.66	56.76	8.50	1.26	58.02	0.50
55.00	44.00	1.96	1.00	2.280	0.66	57.09	8.50	1.26	58.36	0.50
55.05	44.00	1.96	1.00	2.282	0.66	57.08	9.02	1.54	58.62	0.50
55.10	44.00	1.96	1.00	2.283	0.66	57.06	9.54	1.83	58.89	0.50
55.15	44.00	1.96	1.00	2.285	0.66	57.04	10.07	2.14	59.18	0.50
55.20	44.00	1.96	1.00	2.286	0.66	57.02	10.59	2.46	59.49	0.50

55.25	44.00	1.96	1.00	2.288	0.66	57.00	11.11	2.79	59.79	0.50
55.30	44.00	1.96	1.00	2.289	0.66	56.99	11.64	3.12	60.11	0.50
55.35	44.00	1.96	1.00	2.291	0.66	56.97	12.16	3.46	60.42	0.50
55.40	44.00	1.96	1.00	2.292	0.66	56.95	12.69	3.79	60.74	0.50
55.45	44.00	1.96	1.00	2.294	0.66	56.93	13.21	4.12	61.05	0.50
55.50	44.00	1.96	1.00	2.295	0.66	56.91	13.73	4.45	61.36	0.50
55.55	44.00	1.96	1.00	2.297	0.66	56.89	14.26	4.78	61.67	0.50
55.60	44.00	1.96	1.00	2.298	0.66	56.87	14.78	5.10	61.97	0.50
55.65	44.00	1.96	1.00	2.300	0.66	56.85	15.31	5.42	62.27	0.50
55.70	44.00	1.96	1.00	2.302	0.66	56.83	15.83	5.73	62.57	0.50
55.75	44.00	1.96	1.00	2.303	0.66	56.82	16.35	6.05	62.86	0.50
55.80	44.00	1.96	1.00	2.305	0.66	56.80	16.88	6.35	63.15	0.50
55.85	44.00	1.96	1.00	2.306	0.66	56.78	17.40	6.66	63.44	0.50
55.90	44.00	1.96	1.00	2.308	0.66	56.76	17.93	6.96	63.72	0.50
55.95	44.00	1.96	1.00	2.309	0.66	56.74	18.45	7.26	64.00	0.50
56.00	44.00	1.96	1.00	2.311	0.66	56.72	18.97	7.55	64.27	0.50
56.05	44.00	1.96	1.00	2.312	0.66	56.70	19.50	7.84	64.54	0.50
56.10	44.00	1.96	1.00	2.314	0.66	56.68	20.02	8.13	64.81	0.50
56.15	44.00	1.96	1.00	2.315	0.66	56.67	20.55	8.42	65.08	0.50
56.20	44.00	1.96	1.00	2.317	0.66	56.65	21.07	8.70	65.35	0.50
56.25	44.00	1.96	1.00	2.318	0.66	56.63	21.59	8.98	65.61	0.50
56.30	44.00	1.96	1.00	2.320	0.66	56.61	22.12	9.26	65.87	0.50
56.35	44.00	1.96	1.00	2.321	0.66	56.59	22.64	9.54	66.13	0.50
56.40	44.00	1.96	1.00	2.323	0.66	56.57	23.17	9.82	66.39	0.50
56.45	44.00	1.96	1.00	2.325	0.66	56.55	23.69	10.10	66.65	0.50
56.50	44.00	1.96	1.00	2.326	0.66	56.53	24.21	10.37	66.91	0.50
56.55	44.00	1.96	1.00	2.328	0.66	56.51	24.74	10.65	67.16	0.50
56.60	44.00	1.96	1.00	2.329	0.66	56.50	25.26	10.92	67.42	0.50
56.65	44.00	1.96	1.00	2.331	0.66	56.48	25.79	11.20	67.68	0.50
56.70	44.00	1.96	1.00	2.332	0.65	56.46	26.31	11.47	67.93	0.50
56.75	44.00	1.96	1.00	2.334	0.65	56.44	26.83	11.75	68.19	0.50
56.80	44.00	1.96	1.00	2.335	0.65	56.42	27.36	12.02	68.44	0.50
56.85	44.00	1.96	1.00	2.337	0.65	56.40	27.88	12.29	68.69	0.50
56.90	44.00	1.96	1.00	2.338	0.65	56.38	28.41	12.57	68.95	0.50
56.95	44.00	1.96	1.00	2.340	0.65	56.36	28.93	12.84	69.20	0.50
57.00	44.00	1.96	1.00	2.342	0.65	56.35	29.45	13.11	69.46	0.50
57.05	44.00	1.96	1.00	2.343	0.65	56.33	29.98	13.39	69.71	0.50
57.10	44.00	1.96	1.00	2.345	0.65	56.31	30.50	13.66	69.97	0.50
57.15	44.00	1.96	1.00	2.346	0.65	56.29	31.03	13.94	70.23	0.50
57.20	44.00	1.96	1.00	2.348	0.65	56.27	31.55	14.21	70.48	0.50
57.25	44.00	1.96	1.00	2.349	0.65	56.25	32.07	14.49	70.74	0.50
57.30	44.00	1.96	1.00	2.351	0.65	56.23	32.60	14.76	71.00	0.50
57.35	44.00	1.96	1.00	2.353	0.65	56.22	33.12	15.04	71.26	0.50
57.40	44.00	1.96	1.00	2.354	0.65	56.20	33.65	15.32	71.52	0.50
57.45	44.00	1.96	1.00	2.356	0.65	56.18	34.17	15.60	71.78	0.50
57.50	44.00	1.96	1.00	2.357	0.65	56.16	34.69	15.88	72.04	0.50
57.55	44.00	1.96	1.00	2.359	0.65	56.14	35.22	16.23	72.37	0.50
57.60	44.00	1.96	1.00	2.360	0.65	56.12	35.74	16.22	72.35	0.50
57.65	44.00	1.96	1.00	2.362	0.65	56.10	36.27	16.22	72.32	0.50
57.70	44.00	1.96	1.00	2.364	0.65	56.08	36.79	16.22	72.30	0.50
57.75	44.00	1.96	1.00	2.365	0.65	56.07	37.31	16.21	72.28	0.50
57.80	44.00	1.96	1.00	2.367	0.65	56.05	37.84	16.21	72.26	0.50
57.85	44.00	1.96	1.00	2.368	0.65	56.03	38.36	16.21	72.23	0.50
57.90	44.00	1.96	1.00	2.370	0.65	56.01	38.89	16.20	72.21	0.50
57.95	44.00	1.96	1.00	2.371	0.65	55.99	39.41	16.20	72.19	0.50
58.00	44.00	1.96	1.00	2.373	0.65	55.97	39.93	16.19	72.17	0.50
58.05	44.00	1.96	1.00	2.375	0.65	55.95	40.46	16.19	72.14	0.50
58.10	44.00	1.96	1.00	2.376	0.65	55.94	40.98	16.19	72.12	0.50
58.15	44.00	1.96	1.00	2.378	0.65	55.92	41.51	16.18	72.10	0.50
58.20	44.00	1.96	1.00	2.379	0.65	55.90	42.03	16.18	72.08	0.50
58.25	44.00	1.96	1.00	2.381	0.65	55.88	42.55	16.18	72.06	0.50
58.30	44.00	1.96	1.00	2.382	0.65	55.86	43.08	16.17	72.03	0.50
58.35	44.00	1.96	1.00	2.384	0.65	55.84	43.60	16.17	72.01	0.50
58.40	44.00	1.96	1.00	2.386	0.65	55.82	44.13	16.16	71.99	0.50
58.45	44.00	1.96	1.00	2.387	0.65	55.80	44.65	16.16	71.97	0.50
58.50	44.00	1.96	1.00	2.389	0.65	55.79	45.17	16.16	71.94	0.50
58.55	44.00	1.96	1.00	2.390	0.65	55.77	45.70	16.15	71.92	0.50
58.60	44.00	1.96	1.00	2.392	0.65	55.75	46.22	16.15	71.90	0.50
58.65	44.00	1.96	1.00	2.394	0.65	55.73	46.75	16.15	71.88	0.50
58.70	44.00	1.96	1.00	2.395	0.65	55.71	47.27	16.14	71.85	0.50
58.75	44.00	1.96	1.00	2.397	0.65	55.69	47.79	16.14	71.83	0.50
58.80	44.00	1.96	1.00	2.398	0.65	55.67	48.32	16.13	71.81	0.50
58.85	44.00	1.96	1.00	2.400	0.65	55.66	48.84	16.13	71.79	0.50

58.90	44.00	1.96	1.00	2.402	0.65	55.64	49.37	16.13	71.77	0.50
58.95	44.00	1.96	1.00	2.403	0.65	55.62	49.89	16.12	71.74	0.50
59.00	44.00	1.96	1.00	2.405	0.64	55.60	50.41	16.12	71.72	0.50
59.05	44.00	1.96	1.00	2.406	0.64	55.58	50.94	16.12	71.70	0.50
59.10	44.00	1.96	1.00	2.408	0.64	55.56	51.46	16.11	71.68	0.50
59.15	44.00	1.96	1.00	2.410	0.64	55.55	51.99	16.11	71.65	0.50
59.20	44.00	1.96	1.00	2.411	0.64	55.53	52.51	16.11	71.63	0.50
59.25	44.00	1.96	1.00	2.413	0.64	55.51	53.03	16.10	71.61	0.50
59.30	44.00	1.96	1.00	2.414	0.64	55.49	53.56	16.10	71.59	0.50
59.35	44.00	1.96	1.00	2.416	0.64	55.47	54.08	16.09	71.57	0.50
59.40	44.00	1.96	1.00	2.418	0.64	55.45	54.61	16.09	71.54	0.50
59.45	44.00	1.96	1.00	2.419	0.64	55.43	55.13	16.09	71.52	0.50
59.50	44.00	1.96	1.00	2.421	0.64	55.42	55.65	16.08	71.50	0.50
59.55	44.00	1.96	1.00	2.423	0.64	55.40	56.18	16.08	71.48	0.50
59.60	44.00	1.96	1.00	2.424	0.64	55.38	56.70	16.08	71.45	0.50
59.65	44.00	1.96	1.00	2.426	0.64	55.36	57.23	16.07	71.43	0.50
59.70	44.00	1.96	1.00	2.427	0.64	55.34	57.75	16.07	71.41	0.50
59.75	44.00	1.96	1.00	2.429	0.64	55.32	58.27	16.06	71.39	0.50
59.80	44.00	1.96	1.00	2.431	0.64	55.30	58.80	16.06	71.37	0.50
59.85	44.00	1.96	1.00	2.432	0.64	55.29	59.32	16.06	71.34	0.50
59.90	44.00	1.96	1.00	2.434	0.64	55.27	59.85	16.05	71.32	0.50
59.95	44.00	1.96	1.00	2.435	0.64	55.25	60.37	16.05	71.30	0.50
60.00	44.00	1.96	1.00	2.437	0.64	55.23	60.89	16.05	71.28	0.50
60.05	43.95	1.96	1.00	2.439	0.64	55.15	60.90	16.03	71.18	0.50
60.10	43.90	1.96	1.00	2.440	0.64	55.07	60.90	16.01	71.08	0.50
60.15	43.85	1.96	1.00	2.442	0.64	54.99	60.90	16.00	70.99	0.50
60.20	43.80	1.96	1.00	2.444	0.64	54.91	60.90	15.98	70.89	0.50
60.25	43.75	1.96	1.00	2.445	0.64	54.83	60.90	15.97	70.79	0.50
60.30	43.70	1.96	1.00	2.447	0.64	54.75	60.90	15.95	70.70	0.50
60.35	43.65	1.96	1.00	2.448	0.64	54.67	60.90	15.93	70.60	0.50
60.40	43.60	1.96	1.00	2.450	0.64	54.59	60.90	15.92	70.50	0.50
60.45	43.55	1.96	1.00	2.452	0.64	54.50	60.90	15.90	70.41	0.50
60.50	43.50	1.96	1.00	2.453	0.64	54.42	60.90	15.88	70.31	0.50
60.55	43.45	1.96	1.00	2.455	0.64	54.34	60.90	15.87	70.21	0.50
60.60	43.40	1.96	1.00	2.456	0.64	54.26	60.90	15.85	70.12	0.50
60.65	43.35	1.96	1.00	2.458	0.64	54.18	60.90	15.84	70.02	0.50
60.70	43.30	1.96	1.00	2.460	0.64	54.10	60.90	15.82	69.93	0.50
60.75	43.25	1.96	1.00	2.461	0.64	54.02	60.90	15.80	69.83	0.50
60.80	43.20	1.96	1.00	2.463	0.64	53.94	60.90	15.79	69.73	0.50
60.85	43.15	1.96	1.00	2.464	0.64	53.87	60.90	15.77	69.64	0.50
60.90	43.10	1.96	1.00	2.466	0.64	53.79	60.90	15.76	69.54	0.50
60.95	43.05	1.96	1.00	2.467	0.64	53.71	60.90	15.74	69.45	0.50
61.00	43.00	1.96	1.00	2.469	0.64	53.63	60.90	15.73	69.35	0.50
61.05	42.95	1.96	1.00	2.471	0.64	53.55	60.90	15.71	69.26	0.50
61.10	42.90	1.96	1.00	2.472	0.64	53.47	60.90	15.69	69.16	0.50
61.15	42.85	1.96	1.00	2.474	0.64	53.39	60.90	15.68	69.07	0.50
61.20	42.80	1.96	1.00	2.475	0.64	53.31	60.90	15.66	68.97	0.50
61.25	42.75	1.96	1.00	2.477	0.64	53.23	60.90	15.65	68.88	0.50
61.30	42.70	1.96	1.00	2.478	0.64	53.15	60.90	15.63	68.78	0.50
61.35	42.65	1.96	1.00	2.480	0.64	53.07	60.90	15.61	68.69	0.50
61.40	42.60	1.96	1.00	2.481	0.63	53.00	60.90	15.60	68.60	0.50
61.45	42.55	1.96	1.00	2.483	0.63	52.92	60.90	15.58	68.50	0.50
61.50	42.50	1.96	1.00	2.484	0.63	52.84	60.90	15.57	68.41	0.50
61.55	42.45	1.96	1.00	2.486	0.63	52.76	60.90	15.55	68.31	0.50
61.60	42.40	1.96	1.00	2.487	0.63	52.68	60.90	15.54	68.22	0.50
61.65	42.35	1.96	1.00	2.489	0.63	52.61	60.90	15.52	68.13	0.50
61.70	42.30	1.96	1.00	2.490	0.63	52.53	60.90	15.51	68.03	0.50
61.75	42.25	1.96	1.00	2.492	0.63	52.45	60.90	15.49	67.94	0.50
61.80	42.20	1.96	1.00	2.493	0.63	52.37	60.90	15.47	67.85	0.50
61.85	42.15	1.96	1.00	2.495	0.63	52.29	60.90	15.46	67.75	0.50
61.90	42.10	1.96	1.00	2.496	0.63	52.22	60.90	15.44	67.66	0.50
61.95	42.05	1.96	1.00	2.498	0.63	52.14	60.90	15.43	67.57	0.50
62.00	42.00	1.96	1.00	2.499	0.63	52.06	60.90	15.41	67.47	0.50
62.05	41.95	1.96	1.00	2.501	0.63	51.98	60.90	15.40	67.38	0.50
62.10	41.90	1.96	1.00	2.502	0.63	51.91	60.90	15.38	67.29	0.50
62.15	41.85	1.96	1.00	2.504	0.63	51.83	60.90	15.37	67.20	0.50
62.20	41.80	1.96	1.00	2.505	0.63	51.75	60.90	15.35	67.10	0.50
62.25	41.75	1.96	1.00	2.507	0.63	51.68	60.90	15.34	67.01	0.50
62.30	41.70	1.96	1.00	2.508	0.63	51.60	60.90	15.32	66.92	0.50
62.35	41.65	1.96	1.00	2.510	0.63	51.52	60.90	15.30	66.83	0.50
62.40	41.60	1.96	1.00	2.511	0.63	51.44	60.90	15.29	66.73	0.50
62.45	41.55	1.96	1.00	2.512	0.63	51.37	60.90	15.27	66.64	0.50
62.50	41.50	1.96	1.00	2.514	0.63	51.29	60.90	15.26	66.55	0.50

62.55	41.45	1.96	1.00	2.515	0.63	51.22	60.90	15.24	66.46	0.50
62.60	41.40	1.96	1.00	2.517	0.63	51.14	60.90	15.23	66.37	0.50
62.65	41.35	1.96	1.00	2.518	0.63	51.06	60.90	15.21	66.28	0.50
62.70	41.30	1.96	1.00	2.520	0.63	50.99	60.90	15.20	66.18	0.50
62.75	41.25	1.96	1.00	2.521	0.63	50.91	60.90	15.18	66.09	0.50
62.80	41.20	1.96	1.00	2.522	0.63	50.83	60.90	15.17	66.00	0.50
62.85	41.15	1.96	1.00	2.524	0.63	50.76	60.90	15.15	65.91	0.50
62.90	41.10	1.96	1.00	2.525	0.63	50.68	60.90	15.14	65.82	0.50
62.95	41.05	1.96	1.00	2.527	0.63	50.61	60.90	15.12	65.73	0.50
63.00	41.00	1.96	1.00	2.528	0.63	50.53	60.90	15.11	65.64	0.50
63.05	40.95	1.96	1.00	2.530	0.63	50.46	60.90	15.09	65.55	0.50
63.10	40.90	1.96	1.00	2.531	0.63	50.38	60.90	15.08	65.46	0.50
63.15	40.85	1.96	1.00	2.532	0.63	50.30	60.90	15.06	65.37	0.50
63.20	40.80	1.96	1.00	2.534	0.63	50.23	60.90	15.05	65.27	0.50
63.25	40.75	1.96	1.00	2.535	0.63	50.15	60.90	15.03	65.18	0.50
63.30	40.70	1.96	1.00	2.537	0.63	50.08	60.90	15.02	65.09	0.50
63.35	40.65	1.96	1.00	2.538	0.63	50.00	60.90	15.00	65.00	0.50
63.40	40.60	1.96	1.00	2.539	0.63	49.93	60.90	14.99	64.91	0.50
63.45	40.55	1.96	1.00	2.541	0.63	49.85	60.90	14.97	64.82	0.50
63.50	40.50	1.96	1.00	2.542	0.63	49.78	60.90	14.96	64.73	0.50
63.55	40.45	1.96	1.00	2.543	0.63	49.70	60.90	14.94	64.64	0.50
63.60	40.40	1.96	1.00	2.545	0.63	49.63	60.90	14.93	64.55	0.50
63.65	40.35	1.96	1.00	2.546	0.63	49.55	60.90	14.91	64.47	0.50
63.70	40.30	1.96	1.00	2.547	0.63	49.48	60.90	14.90	64.38	0.50
63.75	40.25	1.96	1.00	2.549	0.63	49.41	60.90	14.88	64.29	0.50
63.80	40.20	1.96	1.00	2.550	0.63	49.33	60.90	14.87	64.20	0.50
63.85	40.15	1.96	1.00	2.551	0.63	49.26	60.90	14.85	64.11	0.50
63.90	40.10	1.96	1.00	2.553	0.63	49.18	60.90	14.84	64.02	0.50
63.95	40.05	1.96	1.00	2.554	0.63	49.11	60.90	14.82	63.93	0.50
64.00	40.00	1.96	1.00	2.555	0.63	49.03	60.90	14.81	63.84	0.50
64.05	39.95	1.96	1.00	2.557	0.63	48.96	60.90	14.79	63.75	0.50
64.10	39.90	1.96	1.00	2.558	0.63	48.89	60.90	14.78	63.66	0.50
64.15	39.85	1.96	1.00	2.559	0.63	48.81	60.90	14.76	63.57	0.50
64.20	39.80	1.96	1.00	2.561	0.62	48.74	60.90	14.75	63.49	0.50
64.25	39.75	1.96	1.00	2.562	0.62	48.66	60.90	14.73	63.40	0.50
64.30	39.70	1.96	1.00	2.563	0.62	48.59	60.90	14.72	63.31	0.50
64.35	39.65	1.96	1.00	2.565	0.62	48.52	60.90	14.70	63.22	0.50
64.40	39.60	1.96	1.00	2.566	0.62	48.44	60.90	14.69	63.13	0.50
64.45	39.55	1.96	1.00	2.567	0.62	48.37	60.90	14.67	63.04	0.50
64.50	39.50	1.96	1.00	2.569	0.62	48.30	60.90	14.66	62.96	0.50
64.55	39.45	1.96	1.00	2.570	0.62	48.22	60.90	14.64	62.87	0.50
64.60	39.40	1.96	1.00	2.571	0.62	48.15	60.90	14.63	62.78	0.50
64.65	39.35	1.96	1.00	2.572	0.62	48.08	60.90	14.62	62.69	0.50
64.70	39.30	1.96	1.00	2.574	0.62	48.00	60.90	14.60	62.61	0.50
64.75	39.25	1.96	1.00	2.575	0.62	47.93	60.90	14.59	62.52	0.50
64.80	39.20	1.96	1.00	2.576	0.62	47.86	60.90	14.57	62.43	0.50
64.85	39.15	1.96	1.00	2.578	0.62	47.79	60.90	14.56	62.34	0.50
64.90	39.10	1.96	1.00	2.579	0.62	47.71	60.90	14.54	62.26	0.50
64.95	39.05	1.96	1.00	2.580	0.62	47.64	60.90	14.53	62.17	0.50
65.00	39.00	1.96	1.00	2.581	0.62	47.57	60.90	14.51	62.08	0.50
65.05	39.00	1.96	1.00	2.583	0.62	47.56	60.90	14.51	62.07	0.50
65.10	39.00	1.96	1.00	2.584	0.62	47.54	60.90	14.51	62.05	0.50
65.15	39.00	1.96	1.00	2.585	0.62	47.53	60.90	14.51	62.04	0.50
65.20	39.00	1.96	1.00	2.586	0.62	47.52	60.90	14.50	62.03	0.50
65.25	39.00	1.96	1.00	2.588	0.62	47.51	60.90	14.50	62.01	0.50
65.30	39.00	1.96	1.00	2.589	0.62	47.50	60.90	14.50	62.00	0.50
65.35	39.00	1.96	1.00	2.590	0.62	47.49	60.90	14.50	61.98	0.50
65.40	39.00	1.96	1.00	2.591	0.62	47.48	60.90	14.50	61.97	0.50
65.45	39.00	1.96	1.00	2.593	0.62	47.46	60.90	14.49	61.96	0.50
65.50	39.00	1.96	1.00	2.594	0.62	47.45	60.90	14.49	61.94	0.50
65.55	39.00	1.96	1.00	2.595	0.62	47.44	60.90	14.49	61.93	0.50
65.60	39.00	1.96	1.00	2.596	0.62	47.43	60.90	14.49	61.92	0.50
65.65	39.00	1.96	1.00	2.598	0.62	47.42	60.90	14.48	61.90	0.50
65.70	39.00	1.96	1.00	2.599	0.62	47.41	60.90	14.48	61.89	0.50
65.75	39.00	1.96	1.00	2.600	0.62	47.40	60.90	14.48	61.88	0.50
65.80	39.00	1.96	1.00	2.601	0.62	47.38	60.90	14.48	61.86	0.50
65.85	39.00	1.96	1.00	2.603	0.62	47.37	60.90	14.47	61.85	0.50
65.90	39.00	1.96	1.00	2.604	0.62	47.36	60.90	14.47	61.83	0.50
65.95	39.00	1.96	1.00	2.605	0.62	47.35	60.90	14.47	61.82	0.50
66.00	39.00	1.96	1.00	2.606	0.62	47.34	60.90	14.47	61.81	0.50
66.05	39.00	1.96	1.00	2.608	0.62	47.33	60.90	14.47	61.79	0.50
66.10	39.00	1.96	1.00	2.609	0.62	47.32	60.90	14.46	61.78	0.50
66.15	39.00	1.96	1.00	2.610	0.62	47.31	60.90	14.46	61.77	0.50

66.20	39.00	1.96	1.00	2.611	0.62	47.29	60.90	14.46	61.75	0.50
66.25	39.00	1.96	1.00	2.612	0.62	47.28	60.90	14.46	61.74	0.50
66.30	39.00	1.96	1.00	2.614	0.62	47.27	60.90	14.45	61.73	0.50
66.35	39.00	1.96	1.00	2.615	0.62	47.26	60.90	14.45	61.71	0.50
66.40	39.00	1.96	1.00	2.616	0.62	47.25	60.90	14.45	61.70	0.50
66.45	39.00	1.96	1.00	2.617	0.62	47.24	60.90	14.45	61.69	0.50
66.50	39.00	1.96	1.00	2.619	0.62	47.23	60.90	14.45	61.67	0.50
66.55	39.00	1.96	1.00	2.620	0.62	47.22	60.90	14.44	61.66	0.50
66.60	39.00	1.96	1.00	2.621	0.62	47.20	60.90	14.44	61.65	0.50
66.65	39.00	1.96	1.00	2.622	0.62	47.19	60.90	14.44	61.63	0.50
66.70	39.00	1.96	1.00	2.624	0.62	47.18	60.90	14.44	61.62	0.50
66.75	39.00	1.96	1.00	2.625	0.62	47.17	60.90	14.43	61.61	0.50
66.80	39.00	1.96	1.00	2.626	0.62	47.16	60.90	14.43	61.59	0.50
66.85	39.00	1.96	1.00	2.627	0.62	47.15	60.90	14.43	61.58	0.50
66.90	39.00	1.96	1.00	2.629	0.62	47.14	60.90	14.43	61.57	0.50
66.95	39.00	1.96	1.00	2.630	0.62	47.13	60.90	14.43	61.55	0.50
67.00	39.00	1.96	1.00	2.631	0.62	47.12	60.90	14.42	61.54	0.50
67.05	39.00	1.96	1.00	2.632	0.62	47.10	60.90	14.42	61.53	0.50
67.10	39.00	1.96	1.00	2.634	0.62	47.09	60.90	14.42	61.51	0.50
67.15	39.00	1.96	1.00	2.635	0.62	47.08	60.90	14.42	61.50	0.50
67.20	39.00	1.96	1.00	2.636	0.62	47.07	60.90	14.41	61.49	0.50
67.25	39.00	1.96	1.00	2.637	0.62	47.06	60.90	14.41	61.47	0.50
67.30	39.00	1.96	1.00	2.638	0.62	47.05	60.90	14.41	61.46	0.50
67.35	39.00	1.96	1.00	2.640	0.62	47.04	60.90	14.41	61.45	0.50
67.40	39.00	1.96	1.00	2.641	0.62	47.03	60.90	14.41	61.43	0.50
67.45	39.00	1.96	1.00	2.642	0.62	47.02	60.90	14.40	61.42	0.50
67.50	39.00	1.96	1.00	2.643	0.62	47.01	60.90	14.40	61.41	0.50
67.55	39.00	1.96	1.00	2.645	0.61	47.00	60.90	14.40	61.39	0.50
67.60	39.00	1.96	1.00	2.646	0.61	46.98	60.90	14.40	61.38	0.50
67.65	39.00	1.96	1.00	2.647	0.61	46.97	60.90	14.39	61.37	0.50
67.70	39.00	1.96	1.00	2.648	0.61	46.96	60.90	14.39	61.36	0.50
67.75	39.00	1.96	1.00	2.649	0.61	46.95	60.90	14.39	61.34	0.50
67.80	39.00	1.96	1.00	2.651	0.61	46.94	60.90	14.39	61.33	0.50
67.85	39.00	1.96	1.00	2.652	0.61	46.93	60.90	14.39	61.32	0.50
67.90	39.00	1.96	1.00	2.653	0.61	46.92	60.90	14.38	61.30	0.50
67.95	39.00	1.96	1.00	2.654	0.61	46.91	60.90	14.38	61.29	0.50
68.00	39.00	1.96	1.00	2.656	0.61	46.90	60.90	14.38	61.28	0.50
68.05	39.00	1.96	1.00	2.657	0.61	46.89	60.90	14.38	61.26	0.50
68.10	39.00	1.96	1.00	2.658	0.61	46.88	60.90	14.38	61.25	0.50
68.15	39.00	1.96	1.00	2.659	0.61	46.87	60.90	14.37	61.24	0.50
68.20	39.00	1.96	1.00	2.661	0.61	46.85	60.90	14.37	61.23	0.50
68.25	39.00	1.96	1.00	2.662	0.61	46.84	60.90	14.37	61.21	0.50
68.30	39.00	1.96	1.00	2.663	0.61	46.83	60.90	14.37	61.20	0.50
68.35	39.00	1.96	1.00	2.664	0.61	46.82	60.90	14.36	61.19	0.50
68.40	39.00	1.96	1.00	2.665	0.61	46.81	60.90	14.36	61.17	0.50
68.45	39.00	1.96	1.00	2.667	0.61	46.80	60.90	14.36	61.16	0.50
68.50	39.00	1.96	1.00	2.668	0.61	46.79	60.90	14.36	61.15	0.50
68.55	39.00	1.96	1.00	2.669	0.61	46.78	60.90	14.36	61.14	0.50
68.60	39.00	1.96	1.00	2.670	0.61	46.77	60.90	14.35	61.12	0.50
68.65	39.00	1.96	1.00	2.671	0.61	46.76	60.90	14.35	61.11	0.50
68.70	39.00	1.96	1.00	2.673	0.61	46.75	60.90	14.35	61.10	0.50
68.75	39.00	1.96	1.00	2.674	0.61	46.74	60.90	14.35	61.08	0.50
68.80	39.00	1.96	1.00	2.675	0.61	46.73	60.90	14.35	61.07	0.50
68.85	39.00	1.96	1.00	2.676	0.61	46.72	60.90	14.34	61.06	0.50
68.90	39.00	1.96	1.00	2.678	0.61	46.70	60.90	14.34	61.05	0.50
68.95	39.00	1.96	1.00	2.679	0.61	46.69	60.90	14.34	61.03	0.50
69.00	39.00	1.96	1.00	2.680	0.61	46.68	60.90	14.34	61.02	0.50
69.05	39.00	1.96	1.00	2.681	0.61	46.67	60.90	14.33	61.01	0.50
69.10	39.00	1.96	1.00	2.682	0.61	46.66	60.90	14.33	60.99	0.50
69.15	39.00	1.96	1.00	2.684	0.61	46.65	60.90	14.33	60.98	0.50
69.20	39.00	1.96	1.00	2.685	0.61	46.64	60.90	14.33	60.97	0.50
69.25	39.00	1.96	1.00	2.686	0.61	46.63	60.90	14.33	60.96	0.50
69.30	39.00	1.96	1.00	2.687	0.61	46.62	60.90	14.32	60.94	0.50
69.35	39.00	1.96	1.00	2.688	0.61	46.61	60.90	14.32	60.93	0.50
69.40	39.00	1.96	1.00	2.690	0.61	46.60	60.90	14.32	60.92	0.50
69.45	39.00	1.96	1.00	2.691	0.61	46.59	60.90	14.32	60.91	0.50
69.50	39.00	1.96	1.00	2.692	0.61	46.58	60.90	14.32	60.89	0.50
69.55	39.00	1.96	1.00	2.693	0.61	46.57	60.90	14.31	60.88	0.50
69.60	39.00	1.96	1.00	2.695	0.61	46.56	60.90	14.31	60.87	0.50
69.65	39.00	1.96	1.00	2.696	0.61	46.55	60.90	14.31	60.86	0.50
69.70	39.00	1.96	1.00	2.697	0.61	46.54	60.90	14.31	60.84	0.50
69.75	39.00	1.96	1.00	2.698	0.61	46.53	60.90	14.31	60.83	0.50
69.80	39.00	1.96	1.00	2.699	0.61	46.52	60.90	14.30	60.82	0.50

69.85	39.00	1.96	1.00	2.701	0.61	46.51	60.90	14.30	60.81	0.50
69.90	39.00	1.96	1.00	2.702	0.61	46.49	60.90	14.30	60.79	0.50
69.95	39.00	1.96	1.00	2.703	0.61	46.48	60.90	14.30	60.78	0.50
70.00	39.00	1.96	1.00	2.704	0.61	46.47	60.90	14.29	60.77	0.50
70.05	39.00	1.96	1.00	2.705	0.61	46.46	60.90	14.29	60.76	0.50
70.10	39.00	1.96	1.00	2.707	0.61	46.45	60.90	14.29	60.74	0.50
70.15	39.00	1.96	1.00	2.708	0.61	46.44	60.90	14.29	60.73	0.50
70.20	39.00	1.96	1.00	2.709	0.61	46.43	60.90	14.29	60.72	0.50
70.25	39.00	1.96	1.00	2.710	0.61	46.42	60.90	14.28	60.71	0.50
70.30	39.00	1.96	1.00	2.711	0.61	46.41	60.90	14.28	60.69	0.50
70.35	39.00	1.96	1.00	2.713	0.61	46.40	60.90	14.28	60.68	0.50
70.40	39.00	1.96	1.00	2.714	0.61	46.39	60.90	14.28	60.67	0.50
70.45	39.00	1.96	1.00	2.715	0.61	46.38	60.90	14.28	60.66	0.50
70.50	39.00	1.96	1.00	2.716	0.61	46.37	60.90	14.27	60.65	0.50
70.55	39.00	1.96	1.00	2.717	0.61	46.36	60.90	14.27	60.63	0.50
70.60	39.00	1.96	1.00	2.719	0.61	46.35	60.90	14.27	60.62	0.50
70.65	39.00	1.96	1.00	2.720	0.61	46.34	60.90	14.27	60.61	0.50
70.70	39.00	1.96	1.00	2.721	0.61	46.33	60.90	14.27	60.60	0.50
70.75	39.00	1.96	1.00	2.722	0.61	46.32	60.90	14.26	60.58	0.50
70.80	39.00	1.96	1.00	2.723	0.61	46.31	60.90	14.26	60.57	0.50
70.85	39.00	1.96	1.00	2.725	0.61	46.30	60.90	14.26	60.56	0.50
70.90	39.00	1.96	1.00	2.726	0.61	46.29	60.90	14.26	60.55	0.50
70.95	39.00	1.96	1.00	2.727	0.61	46.28	60.90	14.26	60.54	0.50
71.00	39.00	1.96	1.00	2.728	0.61	46.27	60.90	14.25	60.52	0.50
71.05	39.00	1.96	1.00	2.729	0.61	46.26	60.90	14.25	60.51	0.50
71.10	39.00	1.96	1.00	2.731	0.61	46.25	60.90	14.25	60.50	0.50
71.15	39.00	1.96	1.00	2.732	0.61	46.24	60.90	14.25	60.49	0.50
71.20	39.00	1.96	1.00	2.733	0.60	46.23	60.90	14.25	60.48	0.50
71.25	39.00	1.96	1.00	2.734	0.60	46.22	60.90	14.24	60.46	0.50
71.30	39.00	1.96	1.00	2.735	0.60	46.21	60.90	14.24	60.45	0.50
71.35	39.00	1.96	1.00	2.736	0.60	46.20	60.90	14.24	60.44	0.50
71.40	39.00	1.96	1.00	2.738	0.60	46.19	60.90	14.24	60.43	0.50
71.45	39.00	1.96	1.00	2.739	0.60	46.18	60.90	14.24	60.42	0.50
71.50	39.00	1.96	1.00	2.740	0.60	46.17	60.90	14.23	60.40	0.50
71.55	39.00	1.96	1.00	2.741	0.60	46.16	60.90	14.23	60.39	0.50
71.60	39.00	1.96	1.00	2.742	0.60	46.15	60.90	14.23	60.38	0.50
71.65	39.00	1.96	1.00	2.744	0.60	46.14	60.90	14.23	60.37	0.50
71.70	39.00	1.96	1.00	2.745	0.60	46.13	60.90	14.23	60.36	0.50
71.75	39.00	1.96	1.00	2.746	0.60	46.12	60.90	14.22	60.34	0.50
71.80	39.00	1.96	1.00	2.747	0.60	46.11	60.90	14.22	60.33	0.50
71.85	39.00	1.96	1.00	2.748	0.60	46.10	60.90	14.22	60.32	0.50
71.90	39.00	1.96	1.00	2.749	0.60	46.09	60.90	14.22	60.31	0.50
71.95	39.00	1.96	1.00	2.751	0.60	46.08	60.90	14.22	60.30	0.50
72.00	39.00	1.96	1.00	2.752	0.60	46.07	60.90	14.21	60.29	0.50
72.05	39.00	1.96	1.00	2.753	0.60	46.06	60.90	14.21	60.27	0.50
72.10	39.00	1.96	1.00	2.754	0.60	46.05	60.90	14.21	60.26	0.50
72.15	39.00	1.96	1.00	2.755	0.60	46.04	60.90	14.21	60.25	0.50
72.20	39.00	1.96	1.00	2.756	0.60	46.03	60.90	14.21	60.24	0.50
72.25	39.00	1.96	1.00	2.758	0.60	46.02	60.90	14.20	60.23	0.50
72.30	39.00	1.96	1.00	2.759	0.60	46.01	60.90	14.20	60.21	0.50
72.35	39.00	1.96	1.00	2.760	0.60	46.00	60.90	14.20	60.20	0.50
72.40	39.00	1.96	1.00	2.761	0.60	45.99	60.90	14.20	60.19	0.50
72.45	39.00	1.96	1.00	2.762	0.60	45.98	60.90	14.20	60.18	0.50
72.50	39.00	1.96	1.00	2.763	0.60	45.97	60.90	14.19	60.17	0.50
72.55	39.00	1.96	1.00	2.765	0.60	45.96	60.90	14.19	60.16	0.50
72.60	39.00	1.96	1.00	2.766	0.60	45.95	60.90	14.19	60.14	0.50
72.65	39.00	1.96	1.00	2.767	0.60	45.94	60.90	14.19	60.13	0.50
72.70	39.00	1.96	1.00	2.768	0.60	45.93	60.90	14.19	60.12	0.50
72.75	39.00	1.96	1.00	2.769	0.60	45.93	60.90	14.19	60.11	0.50
72.80	39.00	1.96	1.00	2.770	0.60	45.92	60.90	14.18	60.10	0.50
72.85	39.00	1.96	1.00	2.772	0.60	45.91	60.90	14.18	60.09	0.50
72.90	39.00	1.96	1.00	2.773	0.60	45.90	60.90	14.18	60.08	0.50
72.95	39.00	1.96	1.00	2.774	0.60	45.89	60.90	14.18	60.06	0.50
73.00	39.00	1.96	1.00	2.775	0.60	45.88	60.90	14.18	60.05	0.50
73.05	39.00	1.96	1.00	2.776	0.60	45.87	60.90	14.17	60.04	0.50
73.10	39.00	1.96	1.00	2.777	0.60	45.86	60.90	14.17	60.03	0.50
73.15	39.00	1.96	1.00	2.779	0.60	45.85	60.90	14.17	60.02	0.50
73.20	39.00	1.96	1.00	2.780	0.60	45.84	60.90	14.17	60.01	0.50
73.25	39.00	1.96	1.00	2.781	0.60	45.83	60.90	14.17	60.00	0.50
73.30	39.00	1.96	1.00	2.782	0.60	45.82	60.90	14.16	59.98	0.50
73.35	39.00	1.96	1.00	2.783	0.60	45.81	60.90	14.16	59.97	0.50
73.40	39.00	1.96	1.00	2.784	0.60	45.80	60.90	14.16	59.96	0.50
73.45	39.00	1.96	1.00	2.785	0.60	45.79	60.90	14.16	59.95	0.50

73.50	39.00	1.96	1.00	2.787	0.60	45.78	60.90	14.16	59.94	0.50
73.55	39.00	1.96	1.00	2.788	0.60	45.77	60.90	14.15	59.93	0.50
73.60	39.00	1.96	1.00	2.789	0.60	45.76	60.90	14.15	59.92	0.50
73.65	39.00	1.96	1.00	2.790	0.60	45.75	60.90	14.15	59.90	0.50
73.70	39.00	1.96	1.00	2.791	0.60	45.74	60.90	14.15	59.89	0.50
73.75	39.00	1.96	1.00	2.792	0.60	45.74	60.90	14.15	59.88	0.50
73.80	39.00	1.96	1.00	2.793	0.60	45.73	60.90	14.15	59.87	0.50
73.85	39.00	1.96	1.00	2.795	0.60	45.72	60.90	14.14	59.86	0.50
73.90	39.00	1.96	1.00	2.796	0.60	45.71	60.90	14.14	59.85	0.50
73.95	39.00	1.96	1.00	2.797	0.60	45.70	60.90	14.14	59.84	0.50
74.00	39.00	1.96	1.00	2.798	0.60	45.69	60.90	14.14	59.83	0.50
74.05	39.00	1.96	1.00	2.799	0.60	45.68	60.90	14.14	59.82	0.50
74.10	39.00	1.96	1.00	2.800	0.60	45.67	60.90	14.13	59.80	0.50
74.15	39.00	1.96	1.00	2.801	0.60	45.66	60.90	14.13	59.79	0.50
74.20	39.00	1.96	1.00	2.803	0.60	45.65	60.90	14.13	59.78	0.50
74.25	39.00	1.96	1.00	2.804	0.60	45.64	60.90	14.13	59.77	0.50
74.30	39.00	1.96	1.00	2.805	0.60	45.63	60.90	14.13	59.76	0.50
74.35	39.00	1.96	1.00	2.806	0.60	45.62	60.90	14.12	59.75	0.50
74.40	39.00	1.96	1.00	2.807	0.60	45.61	60.90	14.12	59.74	0.50
74.45	39.00	1.96	1.00	2.808	0.60	45.61	60.90	14.12	59.73	0.50
74.50	39.00	1.96	1.00	2.809	0.60	45.60	60.90	14.12	59.72	0.50
74.55	39.00	1.96	1.00	2.810	0.60	45.59	60.90	14.12	59.70	0.50
74.60	39.00	1.96	1.00	2.812	0.60	45.58	60.90	14.12	59.69	0.50
74.65	39.00	1.96	1.00	2.813	0.60	45.57	60.90	14.11	59.68	0.50
74.70	39.00	1.96	1.00	2.814	0.60	45.56	60.90	14.11	59.67	0.50
74.75	39.00	1.96	1.00	2.815	0.60	45.55	60.90	14.11	59.66	0.50
74.80	39.00	1.96	1.00	2.816	0.60	45.54	60.90	14.11	59.65	0.50
74.85	39.00	1.96	1.00	2.817	0.60	45.53	60.90	14.11	59.64	0.50
74.90	39.00	1.96	1.00	2.818	0.60	45.52	60.90	14.10	59.63	0.50
74.95	39.00	1.96	1.00	2.819	0.60	45.51	60.90	14.10	59.62	0.50
75.00	39.00	1.96	1.00	2.821	0.60	45.51	60.90	14.10	59.61	0.50

CRR is based on water table at 24.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.73:

Depth ft	sigC' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	F.S.=CRRm/CSRfs
5.00	0.18	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.05	0.19	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.10	0.19	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.15	0.19	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.20	0.19	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.25	0.19	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.30	0.19	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.35	0.20	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.40	0.20	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.45	0.20	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.50	0.20	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.55	0.20	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.60	0.21	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.65	0.21	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.70	0.21	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.75	0.21	0.50	1.00	0.50	1.32	0.66	0.76	0.86 *
5.80	0.21	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
5.85	0.21	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
5.90	0.22	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
5.95	0.22	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.00	0.22	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.05	0.22	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.10	0.22	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.15	0.23	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.20	0.23	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.25	0.23	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.30	0.23	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.35	0.23	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.40	0.24	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.45	0.24	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.50	0.24	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.55	0.24	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.60	0.24	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.65	0.24	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.70	0.25	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *

6.75	0.25	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.80	0.25	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.85	0.25	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.90	0.25	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
6.95	0.26	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.00	0.26	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.05	0.26	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.10	0.26	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.15	0.26	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.20	0.27	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.25	0.27	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.30	0.27	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.35	0.27	0.50	1.00	0.50	1.32	0.66	0.76	0.87 *
7.40	0.27	0.50	1.00	0.50	1.32	0.66	0.75	0.87 *
7.45	0.28	0.50	1.00	0.50	1.32	0.66	0.75	0.87 *
7.50	0.28	0.50	1.00	0.50	1.32	0.66	0.75	0.87 *
7.55	0.28	0.50	1.00	0.50	1.32	0.66	0.75	0.87 *
7.60	0.28	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
7.65	0.28	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
7.70	0.28	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
7.75	0.29	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
7.80	0.29	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
7.85	0.29	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
7.90	0.29	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
7.95	0.29	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.00	0.30	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.05	0.30	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.10	0.30	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.15	0.30	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.20	0.30	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.25	0.31	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.30	0.31	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.35	0.31	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.40	0.31	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.45	0.31	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.50	0.32	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.55	0.32	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.60	0.32	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.65	0.32	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.70	0.32	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.75	0.33	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.80	0.33	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.85	0.33	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.90	0.33	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
8.95	0.33	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
9.00	0.34	0.50	1.00	0.50	1.32	0.66	0.75	0.89 *
9.05	0.34	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.10	0.34	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.15	0.34	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.20	0.34	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.25	0.35	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.30	0.35	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.35	0.35	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.40	0.35	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.45	0.35	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.50	0.36	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.55	0.36	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.60	0.36	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.65	0.36	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.70	0.36	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.75	0.37	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.80	0.37	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.85	0.37	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.90	0.37	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
9.95	0.37	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.00	0.38	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.05	0.38	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.10	0.38	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.15	0.38	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.20	0.38	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.25	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.90 *
10.30	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.90 *
10.35	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.90 *

10.40	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.90 *
10.45	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.90 *
10.50	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.90 *
10.55	0.40	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
10.60	0.40	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
10.65	0.40	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
10.70	0.40	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
10.75	0.40	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
10.80	0.41	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
10.85	0.41	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
10.90	0.41	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
10.95	0.41	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.00	0.41	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.05	0.42	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.10	0.42	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.15	0.42	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.20	0.42	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.25	0.42	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.30	0.43	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.35	0.43	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.40	0.43	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.45	0.43	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.50	0.43	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.55	0.44	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.60	0.44	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.65	0.44	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
11.70	0.44	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
11.75	0.44	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
11.80	0.45	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
11.85	0.45	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
11.90	0.45	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
11.95	0.45	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.00	0.45	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.05	0.46	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.10	0.46	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.15	0.46	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.20	0.46	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.25	0.46	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.30	0.47	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.35	0.47	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.40	0.47	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.45	0.47	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.50	0.47	0.50	1.00	0.50	1.32	0.66	0.73	0.91 *
12.55	0.48	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
12.60	0.48	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
12.65	0.48	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
12.70	0.48	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
12.75	0.48	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
12.80	0.49	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
12.85	0.49	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
12.90	0.49	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
12.95	0.49	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.00	0.49	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.05	0.50	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.10	0.50	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.15	0.50	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.20	0.50	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.25	0.50	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.30	0.51	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.35	0.51	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.40	0.51	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.45	0.51	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.50	0.51	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.55	0.52	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.60	0.52	0.50	1.00	0.50	1.32	0.66	0.72	0.91 *
13.65	0.52	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
13.70	0.52	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
13.75	0.52	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
13.80	0.53	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
13.85	0.53	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
13.90	0.53	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
13.95	0.53	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.00	0.53	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *

14.05	0.54	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.10	0.54	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.15	0.54	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.20	0.54	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.25	0.54	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.30	0.55	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.35	0.55	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.40	0.55	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.45	0.55	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.50	0.55	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.55	0.56	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.60	0.56	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.65	0.56	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.70	0.56	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.75	0.56	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.80	0.56	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.85	0.57	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.90	0.57	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
14.95	0.57	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.00	0.57	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.05	0.57	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.10	0.58	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.15	0.58	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.20	0.58	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.25	0.58	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.30	0.58	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.35	0.59	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.40	0.59	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.45	0.59	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.50	0.59	0.50	1.00	0.50	1.32	0.66	0.72	0.92 *
15.55	0.59	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
15.60	0.60	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
15.65	0.60	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
15.70	0.60	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
15.75	0.60	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
15.80	0.60	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
15.85	0.61	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
15.90	0.61	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
15.95	0.61	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
16.00	0.61	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
16.05	0.61	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
16.10	0.62	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
16.15	0.62	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
16.20	0.62	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
16.25	0.62	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
16.30	0.62	0.50	1.00	0.50	1.32	0.66	0.71	0.92 *
16.35	0.63	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.40	0.63	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.45	0.63	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.50	0.63	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.55	0.63	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.60	0.63	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.65	0.64	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.70	0.64	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.75	0.64	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.80	0.64	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.85	0.64	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.90	0.65	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
16.95	0.65	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.00	0.65	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.05	0.65	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.10	0.65	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.15	0.66	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.20	0.66	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.25	0.66	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.30	0.66	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.35	0.66	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.40	0.67	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.45	0.67	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.50	0.67	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.55	0.67	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.60	0.67	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.65	0.68	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *

17.70	0.68	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.75	0.68	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.80	0.68	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.85	0.68	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.90	0.68	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
17.95	0.69	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.00	0.69	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.05	0.69	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.10	0.69	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.15	0.69	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.20	0.70	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.25	0.70	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.30	0.70	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.35	0.70	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.40	0.70	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.45	0.71	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.50	0.71	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.55	0.71	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.60	0.71	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.65	0.71	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.70	0.72	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.75	0.72	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.80	0.72	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.85	0.72	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.90	0.72	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
18.95	0.72	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.00	0.73	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.05	0.73	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.10	0.73	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.15	0.73	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.20	0.73	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.25	0.74	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.30	0.74	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.35	0.74	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.40	0.74	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.45	0.74	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.50	0.75	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.55	0.75	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.60	0.75	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.65	0.75	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.70	0.75	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.75	0.76	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.80	0.76	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.85	0.76	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.90	0.76	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
19.95	0.76	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
20.00	0.76	0.50	1.00	0.50	1.32	0.66	0.71	0.93 *
20.05	0.77	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.10	0.77	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.15	0.77	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.20	0.77	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.25	0.77	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.30	0.78	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.35	0.78	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.40	0.78	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.45	0.78	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.50	0.78	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.55	0.79	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.60	0.79	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.65	0.79	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.70	0.79	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.75	0.79	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.80	0.79	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.85	0.80	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.90	0.80	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
20.95	0.80	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.00	0.80	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.05	0.80	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.10	0.81	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.15	0.81	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.20	0.81	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.25	0.81	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.30	0.81	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^

21.35	0.82	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.40	0.82	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.45	0.82	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.50	0.82	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.55	0.82	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.60	0.82	0.50	1.00	0.50	1.32	2.00	0.71	5.00 ^
21.65	0.83	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
21.70	0.83	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
21.75	0.83	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
21.80	0.83	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
21.85	0.83	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
21.90	0.84	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
21.95	0.84	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.00	0.84	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.05	0.84	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.10	0.84	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.15	0.85	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.20	0.85	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.25	0.85	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.30	0.85	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.35	0.85	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.40	0.85	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.45	0.86	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.50	0.86	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.55	0.86	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.60	0.86	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.65	0.86	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.70	0.87	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.75	0.87	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.80	0.87	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.85	0.87	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.90	0.87	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
22.95	0.87	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.00	0.88	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.05	0.88	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.10	0.88	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.15	0.88	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.20	0.88	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.25	0.89	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.30	0.89	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.35	0.89	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.40	0.89	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.45	0.89	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.50	0.90	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.55	0.90	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.60	0.90	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.65	0.90	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.70	0.90	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.75	0.90	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.80	0.91	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.85	0.91	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.90	0.91	0.50	1.00	0.50	1.32	2.00	0.70	5.00 ^
23.95	0.91	0.49	1.00	0.49	1.32	2.00	0.70	5.00 ^
24.00	0.91	0.44	1.00	0.44	1.32	2.00	0.70	5.00 ^
24.05	0.92	0.41	1.00	0.41	1.32	2.00	0.70	5.00 ^
24.10	0.92	0.40	1.00	0.40	1.32	2.00	0.70	5.00 ^
24.15	0.92	0.38	1.00	0.38	1.32	2.00	0.70	5.00 ^
24.20	0.92	0.37	1.00	0.37	1.32	2.00	0.70	5.00 ^
24.25	0.92	0.37	1.00	0.37	1.32	2.00	0.70	5.00 ^
24.30	0.92	0.36	1.00	0.36	1.32	2.00	0.70	5.00 ^
24.35	0.92	0.35	1.00	0.35	1.32	2.00	0.70	5.00 ^
24.40	0.92	0.35	1.00	0.35	1.32	2.00	0.70	5.00 ^
24.45	0.92	0.34	1.00	0.34	1.32	2.00	0.70	5.00 ^
24.50	0.92	0.33	1.00	0.33	1.32	2.00	0.70	5.00 ^
24.55	0.92	0.33	1.00	0.33	1.32	2.00	0.70	5.00 ^
24.60	0.93	0.32	1.00	0.32	1.32	2.00	0.70	5.00 ^
24.65	0.93	0.32	1.00	0.32	1.32	2.00	0.70	5.00 ^
24.70	0.93	0.32	1.00	0.32	1.32	2.00	0.70	5.00 ^
24.75	0.93	0.31	1.00	0.31	1.32	2.00	0.70	5.00 ^
24.80	0.93	0.31	1.00	0.31	1.32	2.00	0.70	5.00 ^
24.85	0.93	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
24.90	0.93	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
24.95	0.93	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^

25.00	0.93	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.05	0.93	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.10	0.93	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.15	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.20	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.25	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.30	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.35	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.40	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.45	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.50	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.55	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.60	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.65	0.94	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.70	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.75	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.80	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.85	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.90	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
25.95	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.00	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.05	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.10	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.15	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.20	0.95	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.25	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.30	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.35	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.40	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.45	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.50	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.55	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.60	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.65	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.70	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.75	0.96	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.80	0.97	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.85	0.97	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.90	0.97	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
26.95	0.97	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.00	0.97	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.05	0.97	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.10	0.97	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.15	0.97	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.20	0.97	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.25	0.97	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.30	0.97	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.35	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.40	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.45	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.50	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.55	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.60	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.65	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.70	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.75	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.80	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.85	0.98	0.28	1.00	0.28	1.32	2.00	0.70	5.00 ^
27.90	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
27.95	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.00	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.05	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.10	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.15	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.20	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.25	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.30	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.35	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.40	0.99	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.45	1.00	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.50	1.00	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.55	1.00	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.60	1.00	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^

28.65	1.00	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.70	1.00	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
28.75	1.00	0.30	1.01	0.30	1.32	2.00	0.70	5.00 ^
28.80	1.00	0.30	1.01	0.30	1.32	2.00	0.70	5.00 ^
28.85	1.00	0.30	1.01	0.30	1.32	2.00	0.70	5.00 ^
28.90	1.00	0.30	1.01	0.30	1.32	2.00	0.70	5.00 ^
28.95	1.00	0.30	1.01	0.30	1.32	2.00	0.70	5.00 ^
29.00	1.01	0.30	1.01	0.30	1.32	2.00	0.70	5.00 ^
29.05	1.01	0.30	1.01	0.30	1.32	2.00	0.70	5.00 ^
29.10	1.01	0.30	1.01	0.30	1.32	2.00	0.70	5.00 ^
29.15	1.01	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.20	1.01	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.25	1.01	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.30	1.01	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.35	1.01	0.30	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.40	1.01	0.29	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.45	1.01	0.29	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.50	1.01	0.29	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.55	1.02	0.29	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.60	1.02	0.29	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.65	1.02	0.29	1.00	0.30	1.32	2.00	0.70	5.00 ^
29.70	1.02	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
29.75	1.02	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
29.80	1.02	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
29.85	1.02	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
29.90	1.02	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
29.95	1.02	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
30.00	1.02	0.29	1.00	0.29	1.32	2.00	0.70	5.00 ^
30.05	1.02	0.29	1.00	0.29	1.32	2.00	0.69	5.00 ^
30.10	1.03	0.29	1.00	0.29	1.32	2.00	0.69	5.00 ^
30.15	1.03	0.29	1.00	0.29	1.32	2.00	0.69	5.00 ^
30.20	1.03	0.29	1.00	0.29	1.32	2.00	0.69	5.00 ^
30.25	1.03	0.29	1.00	0.29	1.32	2.00	0.69	5.00 ^
30.30	1.03	0.29	1.00	0.29	1.32	2.00	0.69	5.00 ^
30.35	1.03	0.29	1.00	0.29	1.32	2.00	0.69	5.00 ^
30.40	1.03	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.45	1.03	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.50	1.03	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.55	1.03	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.60	1.03	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.65	1.04	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.70	1.04	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.75	1.04	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.80	1.04	0.28	1.00	0.28	1.32	2.00	0.69	5.00 ^
30.85	1.04	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
30.90	1.04	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
30.95	1.04	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
31.00	1.04	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
31.05	1.04	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
31.10	1.04	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
31.15	1.04	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
31.20	1.05	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
31.25	1.05	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
31.30	1.05	0.27	1.00	0.27	1.32	2.00	0.69	5.00 ^
31.35	1.05	0.27	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.40	1.05	0.26	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.45	1.05	0.26	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.50	1.05	0.26	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.55	1.05	0.26	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.60	1.05	0.26	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.65	1.05	0.26	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.70	1.05	0.26	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.75	1.06	0.26	1.00	0.26	1.32	2.00	0.69	5.00 ^
31.80	1.06	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
31.85	1.06	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
31.90	1.06	0.26	1.00	0.25	1.32	2.00	0.68	5.00 ^
31.95	1.06	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.00	1.06	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.05	1.06	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.10	1.06	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.15	1.06	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.20	1.06	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.25	1.06	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^

32.30	1.07	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.35	1.07	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.40	1.07	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.45	1.07	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
32.50	1.07	0.25	1.00	0.24	1.32	2.00	0.68	5.00 ^
32.55	1.07	0.24	1.00	0.24	1.32	2.00	0.68	5.00 ^
32.60	1.07	0.24	1.00	0.24	1.32	2.00	0.68	5.00 ^
32.65	1.07	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
32.70	1.07	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
32.75	1.07	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
32.80	1.07	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
32.85	1.08	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
32.90	1.08	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
32.95	1.08	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
33.00	1.08	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
33.05	1.08	0.24	0.99	0.24	1.32	2.00	0.68	5.00 ^
33.10	1.08	0.24	0.99	0.23	1.32	2.00	0.68	5.00 ^
33.15	1.08	0.24	0.99	0.23	1.32	2.00	0.68	5.00 ^
33.20	1.08	0.23	0.99	0.23	1.32	2.00	0.68	5.00 ^
33.25	1.08	0.23	0.99	0.23	1.32	2.00	0.68	5.00 ^
33.30	1.08	0.23	0.99	0.23	1.32	2.00	0.68	5.00 ^
33.35	1.08	0.23	0.99	0.23	1.32	2.00	0.68	5.00 ^
33.40	1.09	0.23	0.99	0.23	1.32	2.00	0.68	5.00 ^
33.45	1.09	0.23	0.99	0.23	1.32	2.00	0.68	5.00 ^
33.50	1.09	0.23	0.99	0.23	1.32	2.00	0.67	5.00 ^
33.55	1.09	0.23	0.99	0.23	1.32	2.00	0.67	5.00 ^
33.60	1.09	0.23	0.99	0.23	1.32	2.00	0.67	5.00 ^
33.65	1.09	0.23	0.99	0.23	1.32	2.00	0.67	5.00 ^
33.70	1.09	0.23	0.99	0.23	1.32	2.00	0.67	5.00 ^
33.75	1.09	0.23	0.99	0.22	1.32	2.00	0.67	5.00 ^
33.80	1.09	0.23	0.99	0.22	1.32	2.00	0.67	5.00 ^
33.85	1.09	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
33.90	1.09	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
33.95	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.00	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.05	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.10	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.15	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.20	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.25	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.30	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.35	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.40	1.10	0.22	0.99	0.22	1.32	2.00	0.67	5.00 ^
34.45	1.10	0.22	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.50	1.11	0.22	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.55	1.11	0.22	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.60	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.65	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.70	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.75	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.80	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.85	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.90	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
34.95	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
35.00	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
35.05	1.11	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
35.10	1.12	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
35.15	1.12	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
35.20	1.12	0.21	0.99	0.21	1.32	2.00	0.67	5.00 ^
35.25	1.12	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.30	1.12	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.35	1.12	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.40	1.12	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.45	1.12	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.50	1.12	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.55	1.12	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.60	1.12	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.65	1.13	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.70	1.13	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.75	1.13	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.80	1.13	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.85	1.13	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^
35.90	1.13	0.21	0.99	0.21	1.32	2.00	0.66	5.00 ^

35.95	1.13	0.21	0.99	0.20	1.32	2.00	0.66	5.00 ^
36.00	1.13	0.21	0.99	0.20	1.32	2.00	0.66	5.00 ^
36.05	1.13	0.21	0.99	0.20	1.32	2.00	0.66	5.00 ^
36.10	1.13	0.21	0.99	0.20	1.32	2.00	0.66	5.00 ^
36.15	1.13	0.21	0.99	0.20	1.32	2.00	0.66	5.00 ^
36.20	1.14	0.21	0.99	0.20	1.32	2.00	0.66	5.00 ^
36.25	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.30	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.35	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.40	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.45	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.50	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.55	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.60	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.65	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.70	1.14	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.75	1.15	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.80	1.15	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.85	1.15	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.90	1.15	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
36.95	1.15	0.21	0.98	0.20	1.32	2.00	0.66	5.00 ^
37.00	1.15	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.05	1.15	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.10	1.15	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.15	1.15	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.20	1.15	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.25	1.15	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.30	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.35	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.40	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.45	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.50	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.55	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.60	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.65	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.70	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.75	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.80	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.85	1.16	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.90	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
37.95	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.00	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.05	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.10	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.15	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.20	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.25	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.30	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.35	1.17	0.21	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.40	1.17	0.20	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.45	1.18	0.20	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.50	1.18	0.20	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.55	1.18	0.20	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.60	1.18	0.20	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.65	1.18	0.20	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.70	1.18	0.20	0.98	0.20	1.32	2.00	0.65	5.00 ^
38.75	1.18	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
38.80	1.18	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
38.85	1.18	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
38.90	1.18	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
38.95	1.18	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.00	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.05	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.10	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.15	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.20	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.25	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.30	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.35	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.40	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.45	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.50	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.55	1.19	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^

39.60	1.20	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.65	1.20	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.70	1.20	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.75	1.20	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.80	1.20	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.85	1.20	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.90	1.20	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
39.95	1.20	0.20	0.98	0.20	1.32	2.00	0.64	5.00 ^
40.00	1.20	0.20	0.97	0.20	1.32	2.00	0.64	5.00 ^
40.05	1.20	0.20	0.97	0.20	1.32	0.26	0.64	0.41 *
40.10	1.20	0.21	0.97	0.20	1.32	0.27	0.64	0.42 *
40.15	1.21	0.21	0.97	0.20	1.32	0.27	0.64	0.42 *
40.20	1.21	0.21	0.97	0.20	1.32	0.27	0.64	0.42 *
40.25	1.21	0.21	0.97	0.21	1.32	0.27	0.64	0.43 *
40.30	1.21	0.21	0.97	0.21	1.32	0.27	0.64	0.43 *
40.35	1.21	0.21	0.97	0.21	1.32	0.28	0.64	0.43 *
40.40	1.21	0.22	0.97	0.21	1.32	0.28	0.64	0.44 *
40.45	1.21	0.22	0.97	0.21	1.32	0.28	0.64	0.44 *
40.50	1.21	0.22	0.97	0.21	1.32	0.28	0.64	0.44 *
40.55	1.21	0.22	0.97	0.22	1.32	0.28	0.63	0.45 *
40.60	1.21	0.22	0.97	0.22	1.32	0.29	0.63	0.45 *
40.65	1.21	0.23	0.97	0.22	1.32	0.29	0.63	0.46 *
40.70	1.21	0.23	0.97	0.22	1.32	0.29	0.63	0.46 *
40.75	1.22	0.23	0.97	0.22	1.32	0.29	0.63	0.46 *
40.80	1.22	0.23	0.97	0.22	1.32	0.30	0.63	0.47 *
40.85	1.22	0.23	0.97	0.23	1.32	0.30	0.63	0.47 *
40.90	1.22	0.23	0.97	0.23	1.32	0.30	0.63	0.47 *
40.95	1.22	0.24	0.97	0.23	1.32	0.30	0.63	0.48 *
41.00	1.22	0.24	0.97	0.23	1.32	0.31	0.63	0.48 *
41.05	1.22	0.24	0.97	0.23	1.32	0.31	0.63	0.49 *
41.10	1.22	0.24	0.97	0.23	1.32	0.31	0.63	0.49 *
41.15	1.22	0.24	0.97	0.24	1.32	0.31	0.63	0.49 *
41.20	1.22	0.25	0.97	0.24	1.32	0.31	0.63	0.50 *
41.25	1.22	0.25	0.97	0.24	1.32	0.32	0.63	0.50 *
41.30	1.23	0.25	0.97	0.24	1.32	0.32	0.63	0.51 *
41.35	1.23	0.25	0.97	0.24	1.32	0.32	0.63	0.51 *
41.40	1.23	0.25	0.97	0.25	1.32	0.32	0.63	0.51 *
41.45	1.23	0.26	0.97	0.25	1.32	0.33	0.63	0.52 *
41.50	1.23	0.26	0.97	0.25	1.32	0.33	0.63	0.52 *
41.55	1.23	0.26	0.97	0.25	1.32	0.33	0.63	0.53 *
41.60	1.23	0.26	0.97	0.25	1.32	0.33	0.63	0.53 *
41.65	1.23	0.26	0.97	0.26	1.32	0.34	0.63	0.54 *
41.70	1.23	0.27	0.97	0.26	1.32	0.34	0.63	0.54 *
41.75	1.23	0.27	0.97	0.26	1.32	0.34	0.63	0.55 *
41.80	1.23	0.27	0.97	0.26	1.32	0.35	0.63	0.55 *
41.85	1.23	0.27	0.97	0.26	1.32	0.35	0.63	0.56 *
41.90	1.24	0.27	0.97	0.27	1.32	0.35	0.63	0.56 *
41.95	1.24	0.28	0.97	0.27	1.32	0.35	0.63	0.56 *
42.00	1.24	0.28	0.97	0.27	1.32	0.36	0.63	0.57 *
42.05	1.24	0.28	0.97	0.27	1.32	0.36	0.63	0.57 *
42.10	1.24	0.28	0.97	0.27	1.32	0.36	0.63	0.58 *
42.15	1.24	0.29	0.97	0.28	1.32	0.37	0.63	0.58 *
42.20	1.24	0.29	0.97	0.28	1.32	0.37	0.63	0.59 *
42.25	1.24	0.29	0.97	0.28	1.32	0.37	0.63	0.60 *
42.30	1.24	0.29	0.97	0.28	1.32	0.38	0.62	0.60 *
42.35	1.24	0.30	0.97	0.29	1.32	0.38	0.62	0.61 *
42.40	1.24	0.30	0.97	0.29	1.32	0.38	0.62	0.61 *
42.45	1.25	0.30	0.97	0.29	1.32	0.39	0.62	0.62 *
42.50	1.25	0.30	0.97	0.29	1.32	0.39	0.62	0.62 *
42.55	1.25	0.31	0.97	0.30	1.32	0.39	0.62	0.63 *
42.60	1.25	0.31	0.97	0.30	1.32	0.40	0.62	0.63 *
42.65	1.25	0.31	0.97	0.30	1.32	0.40	0.62	0.64 *
42.70	1.25	0.32	0.97	0.31	1.32	0.40	0.62	0.65 *
42.75	1.25	0.32	0.97	0.31	1.32	0.41	0.62	0.65 *
42.80	1.25	0.32	0.97	0.31	1.32	0.41	0.62	0.66 *
42.85	1.25	0.32	0.97	0.31	1.32	0.41	0.62	0.67 *
42.90	1.25	0.33	0.97	0.32	1.32	0.42	0.62	0.67 *
42.95	1.25	0.33	0.97	0.32	1.32	0.42	0.62	0.68 *
43.00	1.25	0.33	0.97	0.32	1.32	0.43	0.62	0.69 *
43.05	1.26	0.34	0.97	0.33	1.32	0.43	0.62	0.70 *
43.10	1.26	0.34	0.97	0.33	1.32	0.44	0.62	0.70 *
43.15	1.26	0.35	0.97	0.33	1.32	0.44	0.62	0.71 *
43.20	1.26	0.35	0.97	0.34	1.32	0.45	0.62	0.72 *

43.25	1.26	0.35	0.97	0.34	1.32	0.45	0.62	0.73 *
43.30	1.26	0.36	0.97	0.35	1.32	0.46	0.62	0.74 *
43.35	1.26	0.36	0.97	0.35	1.32	0.46	0.62	0.75 *
43.40	1.26	0.37	0.97	0.36	1.32	0.47	0.62	0.76 *
43.45	1.26	0.37	0.97	0.36	1.32	0.48	0.62	0.77 *
43.50	1.26	0.38	0.97	0.37	1.32	0.48	0.62	0.78 *
43.55	1.26	0.39	0.97	0.37	1.32	0.49	0.62	0.80 *
43.60	1.27	0.38	0.97	0.37	1.32	0.49	0.62	0.79 *
43.65	1.27	0.38	0.97	0.37	1.32	0.48	0.62	0.78 *
43.70	1.27	0.38	0.97	0.36	1.32	0.48	0.62	0.78 *
43.75	1.27	0.37	0.97	0.36	1.32	0.48	0.62	0.77 *
43.80	1.27	0.37	0.97	0.36	1.32	0.47	0.62	0.77 *
43.85	1.27	0.37	0.96	0.35	1.32	0.47	0.62	0.76 *
43.90	1.27	0.36	0.96	0.35	1.32	0.46	0.62	0.75 *
43.95	1.27	0.36	0.96	0.35	1.32	0.46	0.62	0.75 *
44.00	1.27	0.36	0.96	0.35	1.32	0.46	0.62	0.74 *
44.05	1.27	0.36	0.96	0.34	1.32	0.45	0.61	0.74 *
44.10	1.27	0.35	0.96	0.34	1.32	0.45	0.61	0.73 *
44.15	1.27	0.35	0.96	0.34	1.32	0.44	0.61	0.72 *
44.20	1.28	0.35	0.96	0.33	1.32	0.44	0.61	0.72 *
44.25	1.28	0.34	0.96	0.33	1.32	0.43	0.61	0.71 *
44.30	1.28	0.34	0.96	0.33	1.32	0.43	0.61	0.70 *
44.35	1.28	0.33	0.96	0.32	1.32	0.43	0.61	0.69 *
44.40	1.28	0.33	0.96	0.32	1.32	0.42	0.61	0.69 *
44.45	1.28	0.33	0.96	0.31	1.32	0.41	0.61	0.68 *
44.50	1.28	0.32	0.96	0.31	1.32	0.41	0.61	0.67 *
44.55	1.28	0.32	0.96	0.31	1.32	0.40	0.61	0.66 *
44.60	1.28	0.31	0.96	0.30	1.32	0.40	0.61	0.65 *
44.65	1.28	0.31	0.96	0.30	1.32	0.39	0.61	0.64 *
44.70	1.28	0.30	0.96	0.29	1.32	0.38	0.61	0.63 *
44.75	1.29	0.30	0.96	0.29	1.32	0.38	0.61	0.62 *
44.80	1.29	0.29	0.96	0.28	1.32	0.37	0.61	0.61 *
44.85	1.29	0.29	0.96	0.28	1.32	0.36	0.61	0.60 *
44.90	1.29	0.28	0.96	0.27	1.32	0.36	0.61	0.59 *
44.95	1.29	0.28	0.96	0.27	1.32	0.35	0.61	0.58 *
45.00	1.29	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.05	1.29	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.10	1.29	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.15	1.29	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.20	1.29	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.25	1.29	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.30	1.29	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.35	1.30	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.40	1.30	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.45	1.30	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.50	1.30	0.27	0.96	0.26	1.32	0.35	0.61	0.57 *
45.55	1.30	0.27	0.96	0.26	1.32	0.34	0.61	0.57 *
45.60	1.30	0.27	0.96	0.26	1.32	0.34	0.61	0.57 *
45.65	1.30	0.27	0.96	0.26	1.32	0.34	0.61	0.57 *
45.70	1.30	0.27	0.96	0.26	1.32	0.34	0.61	0.57 *
45.75	1.30	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
45.80	1.30	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
45.85	1.30	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
45.90	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
45.95	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.00	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.05	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.10	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.15	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.20	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.25	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.30	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.35	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.40	1.31	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.45	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.50	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.55	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.60	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.65	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.70	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.75	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.80	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.85	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *

46.90	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
46.95	1.32	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.00	1.33	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.05	1.33	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.10	1.33	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.15	1.33	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.20	1.33	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.25	1.33	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.30	1.33	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.35	1.33	0.27	0.96	0.26	1.32	0.34	0.60	0.57 *
47.40	1.33	0.27	0.96	0.26	1.32	0.34	0.59	0.57 *
47.45	1.33	0.27	0.96	0.26	1.32	0.34	0.59	0.57 *
47.50	1.33	0.27	0.96	0.26	1.32	0.34	0.59	0.57 *
47.55	1.34	0.27	0.96	0.26	1.32	0.34	0.59	0.57 *
47.60	1.34	0.27	0.96	0.26	1.32	0.34	0.59	0.57 *
47.65	1.34	0.27	0.96	0.26	1.32	0.34	0.59	0.57 *
47.70	1.34	0.27	0.96	0.25	1.32	0.34	0.59	0.57 *
47.75	1.34	0.27	0.95	0.25	1.32	0.34	0.59	0.57 *
47.80	1.34	0.27	0.95	0.25	1.32	0.34	0.59	0.57 *
47.85	1.34	0.27	0.95	0.25	1.32	0.34	0.59	0.57 *
47.90	1.34	0.27	0.95	0.25	1.32	0.34	0.59	0.57 *
47.95	1.34	0.27	0.95	0.25	1.32	0.34	0.59	0.57 *
48.00	1.34	0.27	0.95	0.25	1.32	0.34	0.59	0.57 *
48.05	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.10	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.15	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.20	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.25	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.30	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.35	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.40	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.45	1.35	0.27	0.95	0.25	1.32	0.33	0.59	0.57 *
48.50	1.35	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.55	1.35	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.60	1.36	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.65	1.36	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.70	1.36	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.75	1.36	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.80	1.36	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.85	1.36	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.90	1.36	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
48.95	1.36	0.26	0.95	0.25	1.32	0.33	0.59	0.57 *
49.00	1.36	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.05	1.36	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.10	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.15	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.20	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.25	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.30	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.35	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.40	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.45	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.50	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.55	1.37	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.60	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.65	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.70	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.75	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.80	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.85	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.90	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
49.95	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
50.00	1.38	0.26	0.95	0.25	1.32	0.33	0.58	0.57 *
50.05	1.38	0.27	0.95	0.25	1.32	0.33	0.58	0.58 *
50.10	1.39	0.27	0.95	0.26	1.32	0.34	0.58	0.59 *
50.15	1.39	0.28	0.95	0.26	1.32	0.35	0.58	0.60 *
50.20	1.39	0.28	0.95	0.27	1.32	0.35	0.58	0.61 *
50.25	1.39	0.29	0.95	0.27	1.32	0.36	0.58	0.63 *
50.30	1.39	0.30	0.95	0.28	1.32	0.37	0.58	0.64 *
50.35	1.39	0.30	0.95	0.29	1.32	0.38	0.58	0.65 *
50.40	1.39	0.31	0.95	0.29	1.32	0.39	0.58	0.67 *
50.45	1.39	0.32	0.95	0.30	1.32	0.39	0.58	0.69 *
50.50	1.39	0.32	0.95	0.31	1.32	0.40	0.57	0.70 *

50.55	1.39	0.33	0.95	0.31	1.32	0.41	0.57	0.72 *
50.60	1.40	0.34	0.95	0.32	1.32	0.42	0.57	0.74 *
50.65	1.40	0.35	0.95	0.33	1.32	0.44	0.57	0.76 *
50.70	1.40	0.36	0.95	0.34	1.32	0.45	0.57	0.78 *
50.75	1.40	0.37	0.95	0.35	1.32	0.47	0.57	0.81 *
50.80	1.40	0.39	0.95	0.37	1.32	0.49	0.57	0.85 *
50.85	1.40	0.41	0.95	0.39	1.32	0.52	0.57	0.90 *
50.90	1.40	0.46	0.95	0.44	1.32	0.58	0.57	1.01
50.95	1.40	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.00	1.40	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.05	1.40	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.10	1.41	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.15	1.41	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.20	1.41	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.25	1.41	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.30	1.41	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.35	1.41	0.50	0.95	0.47	1.32	0.62	0.57	1.09
51.40	1.41	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.45	1.41	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.50	1.41	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.55	1.41	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.60	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.65	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.70	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.75	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.80	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.85	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.90	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
51.95	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
52.00	1.42	0.50	0.94	0.47	1.32	0.62	0.57	1.10
52.05	1.42	0.50	0.94	0.47	1.32	0.62	0.56	1.10
52.10	1.42	0.50	0.94	0.47	1.32	0.62	0.56	1.10
52.15	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.10
52.20	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.10
52.25	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.10
52.30	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.10
52.35	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.10
52.40	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.10
52.45	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.50	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.55	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.60	1.43	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.65	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.70	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.75	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.80	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.85	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.90	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
52.95	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.00	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.05	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.10	1.44	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.15	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.20	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.25	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.30	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.35	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.40	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.45	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.11
53.50	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.12
53.55	1.45	0.50	0.94	0.47	1.32	0.62	0.56	1.12
53.60	1.45	0.50	0.94	0.47	1.32	0.62	0.55	1.12
53.65	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
53.70	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
53.75	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
53.80	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
53.85	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
53.90	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
53.95	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.00	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.05	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.10	1.46	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.15	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.12

54.20	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.25	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.30	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.35	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.40	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.45	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.12
54.50	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.55	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.60	1.47	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.65	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.70	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.75	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.80	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.85	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.90	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
54.95	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
55.00	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
55.05	1.48	0.50	0.94	0.47	1.32	0.62	0.55	1.13
55.10	1.48	0.50	0.93	0.47	1.32	0.62	0.55	1.13
55.15	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.13
55.20	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.13
55.25	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.13
55.30	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.13
55.35	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.13
55.40	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.13
55.45	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.13
55.50	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.55	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.60	1.49	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.65	1.50	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.70	1.50	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.75	1.50	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.80	1.50	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.85	1.50	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.90	1.50	0.50	0.93	0.47	1.32	0.62	0.54	1.14
55.95	1.50	0.50	0.93	0.47	1.32	0.62	0.54	1.14
56.00	1.50	0.50	0.93	0.47	1.32	0.62	0.54	1.14
56.05	1.50	0.50	0.93	0.47	1.32	0.61	0.54	1.14
56.10	1.50	0.50	0.93	0.47	1.32	0.61	0.54	1.14
56.15	1.50	0.50	0.93	0.47	1.32	0.61	0.54	1.14
56.20	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.14
56.25	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.14
56.30	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.14
56.35	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.14
56.40	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.14
56.45	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.15
56.50	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.15
56.55	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.15
56.60	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.15
56.65	1.51	0.50	0.93	0.47	1.32	0.61	0.54	1.15
56.70	1.52	0.50	0.93	0.47	1.32	0.61	0.53	1.15
56.75	1.52	0.50	0.93	0.47	1.32	0.61	0.53	1.15
56.80	1.52	0.50	0.93	0.47	1.32	0.61	0.53	1.15
56.85	1.52	0.50	0.93	0.47	1.32	0.61	0.53	1.15
56.90	1.52	0.50	0.93	0.47	1.32	0.61	0.53	1.15
56.95	1.52	0.50	0.93	0.47	1.32	0.61	0.53	1.15
57.00	1.52	0.50	0.93	0.46	1.32	0.61	0.53	1.15
57.05	1.52	0.50	0.93	0.46	1.32	0.61	0.53	1.15
57.10	1.52	0.50	0.93	0.46	1.32	0.61	0.53	1.15
57.15	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.15
57.20	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.15
57.25	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.15
57.30	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.15
57.35	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.15
57.40	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.45	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.50	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.55	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.60	1.53	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.65	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.70	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.75	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.80	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16

57.85	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.90	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
57.95	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
58.00	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
58.05	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
58.10	1.54	0.50	0.93	0.46	1.32	0.61	0.53	1.16
58.15	1.55	0.50	0.93	0.46	1.32	0.61	0.53	1.16
58.20	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.16
58.25	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.16
58.30	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.35	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.40	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.45	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.50	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.55	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.60	1.55	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.65	1.56	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.70	1.56	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.75	1.56	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.80	1.56	0.50	0.93	0.46	1.32	0.61	0.52	1.17
58.85	1.56	0.50	0.92	0.46	1.32	0.61	0.52	1.17
58.90	1.56	0.50	0.92	0.46	1.32	0.61	0.52	1.17
58.95	1.56	0.50	0.92	0.46	1.32	0.61	0.52	1.17
59.00	1.56	0.50	0.92	0.46	1.32	0.61	0.52	1.17
59.05	1.56	0.50	0.92	0.46	1.32	0.61	0.52	1.17
59.10	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.17
59.15	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.20	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.25	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.30	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.35	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.40	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.45	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.50	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.55	1.57	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.60	1.58	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.65	1.58	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.70	1.58	0.50	0.92	0.46	1.32	0.61	0.52	1.18
59.75	1.58	0.50	0.92	0.46	1.32	0.61	0.51	1.18
59.80	1.58	0.50	0.92	0.46	1.32	0.61	0.51	1.18
59.85	1.58	0.50	0.92	0.46	1.32	0.61	0.51	1.18
59.90	1.58	0.50	0.92	0.46	1.32	0.61	0.51	1.18
59.95	1.58	0.50	0.92	0.46	1.32	0.61	0.51	1.18
60.00	1.58	0.50	0.92	0.46	1.32	0.61	0.51	1.18
60.05	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.10	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.15	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.20	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.25	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.30	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.35	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.40	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.45	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.50	1.59	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.55	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.60	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.65	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.70	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.75	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.80	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.19
60.85	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.20
60.90	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.20
60.95	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.20
61.00	1.60	0.50	0.92	0.46	1.32	0.61	0.51	1.20
61.05	1.61	0.50	0.92	0.46	1.32	0.61	0.51	1.20
61.10	1.61	0.50	0.92	0.46	1.32	0.61	0.51	1.20
61.15	1.61	0.50	0.92	0.46	1.32	0.61	0.51	1.20
61.20	1.61	0.50	0.92	0.46	1.32	0.61	0.51	1.20
61.25	1.61	0.50	0.92	0.46	1.32	0.61	0.50	1.20
61.30	1.61	0.50	0.92	0.46	1.32	0.61	0.50	1.20
61.35	1.61	0.50	0.92	0.46	1.32	0.61	0.50	1.20
61.40	1.61	0.50	0.92	0.46	1.32	0.61	0.50	1.20
61.45	1.61	0.50	0.92	0.46	1.32	0.61	0.50	1.20

61.50	1.61	0.50	0.92	0.46	1.32	0.61	0.50	1.20
61.55	1.62	0.50	0.92	0.46	1.32	0.61	0.50	1.20
61.60	1.62	0.50	0.92	0.46	1.32	0.61	0.50	1.20
61.65	1.62	0.50	0.92	0.46	1.32	0.61	0.50	1.20
61.70	1.62	0.50	0.92	0.46	1.32	0.60	0.50	1.20
61.75	1.62	0.50	0.92	0.46	1.32	0.60	0.50	1.21
61.80	1.62	0.50	0.92	0.46	1.32	0.60	0.50	1.21
61.85	1.62	0.50	0.92	0.46	1.32	0.60	0.50	1.21
61.90	1.62	0.50	0.92	0.46	1.32	0.60	0.50	1.21
61.95	1.62	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.00	1.62	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.05	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.10	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.15	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.20	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.25	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.30	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.35	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.40	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.45	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.50	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.55	1.63	0.50	0.92	0.46	1.32	0.60	0.50	1.21
62.60	1.64	0.50	0.92	0.46	1.32	0.60	0.50	1.22
62.65	1.64	0.50	0.91	0.46	1.32	0.60	0.50	1.22
62.70	1.64	0.50	0.91	0.46	1.32	0.60	0.50	1.22
62.75	1.64	0.50	0.91	0.46	1.32	0.60	0.50	1.22
62.80	1.64	0.50	0.91	0.46	1.32	0.60	0.50	1.22
62.85	1.64	0.50	0.91	0.46	1.32	0.60	0.50	1.22
62.90	1.64	0.50	0.91	0.46	1.32	0.60	0.49	1.22
62.95	1.64	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.00	1.64	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.05	1.64	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.10	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.15	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.20	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.25	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.30	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.35	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.40	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.22
63.45	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.50	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.55	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.60	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.65	1.65	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.70	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.75	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.80	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.85	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.90	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
63.95	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
64.00	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
64.05	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
64.10	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
64.15	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
64.20	1.66	0.50	0.91	0.46	1.32	0.60	0.49	1.23
64.25	1.67	0.50	0.91	0.46	1.32	0.60	0.49	1.23
64.30	1.67	0.50	0.91	0.46	1.32	0.60	0.49	1.24
64.35	1.67	0.50	0.91	0.46	1.32	0.60	0.49	1.24
64.40	1.67	0.50	0.91	0.46	1.32	0.60	0.49	1.24
64.45	1.67	0.50	0.91	0.46	1.32	0.60	0.49	1.24
64.50	1.67	0.50	0.91	0.46	1.32	0.60	0.49	1.24
64.55	1.67	0.50	0.91	0.46	1.32	0.60	0.49	1.24
64.60	1.67	0.50	0.91	0.46	1.32	0.60	0.48	1.24
64.65	1.67	0.50	0.91	0.46	1.32	0.60	0.48	1.24
64.70	1.67	0.50	0.91	0.46	1.32	0.60	0.48	1.24
64.75	1.67	0.50	0.91	0.46	1.32	0.60	0.48	1.24
64.80	1.67	0.50	0.91	0.46	1.32	0.60	0.48	1.24
64.85	1.68	0.50	0.91	0.46	1.32	0.60	0.48	1.24
64.90	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.24
64.95	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.24
65.00	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.24
65.05	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.24
65.10	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.24

65.15	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.20	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.25	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.30	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.35	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.40	1.68	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.45	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.50	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.55	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.60	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.65	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.70	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.75	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.80	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.85	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.90	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
65.95	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.25
66.00	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.26
66.05	1.69	0.50	0.91	0.45	1.32	0.60	0.48	1.26
66.10	1.70	0.50	0.91	0.45	1.32	0.60	0.48	1.26
66.15	1.70	0.50	0.91	0.45	1.32	0.60	0.48	1.26
66.20	1.70	0.50	0.91	0.45	1.32	0.60	0.48	1.26
66.25	1.70	0.50	0.91	0.45	1.32	0.60	0.48	1.26
66.30	1.70	0.50	0.91	0.45	1.32	0.60	0.48	1.26
66.35	1.70	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.40	1.70	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.45	1.70	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.50	1.70	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.55	1.70	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.60	1.70	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.65	1.70	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.70	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.75	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.80	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.26
66.85	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
66.90	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
66.95	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.00	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.05	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.10	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.15	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.20	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.25	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.30	1.71	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.35	1.72	0.50	0.91	0.45	1.32	0.60	0.47	1.27
67.40	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.27
67.45	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.27
67.50	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.27
67.55	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.27
67.60	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.27
67.65	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.28
67.70	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.28
67.75	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.28
67.80	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.28
67.85	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.28
67.90	1.72	0.50	0.90	0.45	1.32	0.60	0.47	1.28
67.95	1.73	0.50	0.90	0.45	1.32	0.60	0.47	1.28
68.00	1.73	0.50	0.90	0.45	1.32	0.60	0.47	1.28
68.05	1.73	0.50	0.90	0.45	1.32	0.60	0.47	1.28
68.10	1.73	0.50	0.90	0.45	1.32	0.60	0.47	1.28
68.15	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.28
68.20	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.28
68.25	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.28
68.30	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.28
68.35	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.28
68.40	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.28
68.45	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.29
68.50	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.29
68.55	1.73	0.50	0.90	0.45	1.32	0.60	0.46	1.29
68.60	1.74	0.50	0.90	0.45	1.32	0.60	0.46	1.29
68.65	1.74	0.50	0.90	0.45	1.32	0.60	0.46	1.29
68.70	1.74	0.50	0.90	0.45	1.32	0.60	0.46	1.29
68.75	1.74	0.50	0.90	0.45	1.32	0.60	0.46	1.29

68.80	1.74	0.50	0.90	0.45	1.32	0.60	0.46	1.29
68.85	1.74	0.50	0.90	0.45	1.32	0.59	0.46	1.29
68.90	1.74	0.50	0.90	0.45	1.32	0.59	0.46	1.29
68.95	1.74	0.50	0.90	0.45	1.32	0.59	0.46	1.29
69.00	1.74	0.50	0.90	0.45	1.32	0.59	0.46	1.29
69.05	1.74	0.50	0.90	0.45	1.32	0.59	0.46	1.29
69.10	1.74	0.50	0.90	0.45	1.32	0.59	0.46	1.29
69.15	1.74	0.50	0.90	0.45	1.32	0.59	0.46	1.29
69.20	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.25	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.30	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.35	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.40	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.45	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.50	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.55	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.60	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.65	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.70	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.75	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.80	1.75	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.85	1.76	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.90	1.76	0.50	0.90	0.45	1.32	0.59	0.46	1.30
69.95	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.00	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.05	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.10	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.15	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.20	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.25	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.30	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.35	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.40	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.45	1.76	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.50	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.55	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.60	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.65	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.31
70.70	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
70.75	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
70.80	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
70.85	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
70.90	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
70.95	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.00	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.05	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.10	1.77	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.15	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.20	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.25	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.30	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.35	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.40	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.32
71.45	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.33
71.50	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.33
71.55	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.33
71.60	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.33
71.65	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.33
71.70	1.78	0.50	0.90	0.45	1.32	0.59	0.45	1.33
71.75	1.78	0.50	0.90	0.45	1.32	0.59	0.44	1.33
71.80	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.33
71.85	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.33
71.90	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.33
71.95	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.33
72.00	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.33
72.05	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.33
72.10	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.33
72.15	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.20	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.25	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.30	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.35	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.40	1.79	0.50	0.90	0.45	1.32	0.59	0.44	1.34

72.45	1.80	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.50	1.80	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.55	1.80	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.60	1.80	0.50	0.90	0.45	1.32	0.59	0.44	1.34
72.65	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.34
72.70	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.34
72.75	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.34
72.80	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.34
72.85	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.35
72.90	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.35
72.95	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.00	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.05	1.80	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.10	1.81	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.15	1.81	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.20	1.81	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.25	1.81	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.30	1.81	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.35	1.81	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.40	1.81	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.45	1.81	0.50	0.89	0.45	1.32	0.59	0.44	1.35
73.50	1.81	0.50	0.89	0.45	1.32	0.59	0.43	1.35
73.55	1.81	0.50	0.89	0.45	1.32	0.59	0.43	1.36
73.60	1.81	0.50	0.89	0.45	1.32	0.59	0.43	1.36
73.65	1.81	0.50	0.89	0.45	1.32	0.59	0.43	1.36
73.70	1.81	0.50	0.89	0.45	1.32	0.59	0.43	1.36
73.75	1.81	0.50	0.89	0.45	1.32	0.59	0.43	1.36
73.80	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.36
73.85	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.36
73.90	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.36
73.95	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.36
74.00	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.36
74.05	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.36
74.10	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.36
74.15	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.36
74.20	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.25	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.30	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.35	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.40	1.82	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.45	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.50	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.55	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.60	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.65	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.70	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.75	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.80	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.85	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.37
74.90	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.38
74.95	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.38
75.00	1.83	0.50	0.89	0.45	1.32	0.59	0.43	1.38

* F.S.<1: Liquefaction Potential Zone. (If above water table: F.S.=5)
^ No-liquefiable Soils or above Water Table.
(F.S. is limited to 5, CRR is limited to 2,   CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:
Fines Correction for Settlement Analysis:

Depth ft	Ic	qc/N60	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
5.00	-	-	-	47.47	0.00	0.00	47.47
5.05	-	-	-	47.47	0.00	0.00	47.47
5.10	-	-	-	47.47	0.00	0.00	47.47
5.15	-	-	-	47.47	0.00	0.00	47.47
5.20	-	-	-	47.47	0.00	0.00	47.47
5.25	-	-	-	47.47	0.00	0.00	47.47
5.30	-	-	-	47.47	0.00	0.00	47.47
5.35	-	-	-	47.47	0.00	0.00	47.47
5.40	-	-	-	47.47	0.00	0.00	47.47
5.45	-	-	-	47.47	0.00	0.00	47.47

5.50	-	-	-	47.47	0.00	0.00	47.47
5.55	-	-	-	47.47	0.00	0.00	47.47
5.60	-	-	-	47.47	0.00	0.00	47.47
5.65	-	-	-	47.47	0.00	0.00	47.47
5.70	-	-	-	47.47	0.00	0.00	47.47
5.75	-	-	-	47.47	0.00	0.00	47.47
5.80	-	-	-	47.47	0.00	0.00	47.47
5.85	-	-	-	47.47	0.00	0.00	47.47
5.90	-	-	-	47.47	0.00	0.00	47.47
5.95	-	-	-	47.47	0.00	0.00	47.47
6.00	-	-	-	47.47	0.00	0.00	47.47
6.05	-	-	-	47.47	0.00	0.00	47.47
6.10	-	-	-	47.47	0.00	0.00	47.47
6.15	-	-	-	47.34	0.00	0.00	47.34
6.20	-	-	-	47.15	0.00	0.00	47.15
6.25	-	-	-	46.95	0.00	0.00	46.95
6.30	-	-	-	46.76	0.00	0.00	46.76
6.35	-	-	-	46.58	0.00	0.00	46.58
6.40	-	-	-	46.39	0.00	0.00	46.39
6.45	-	-	-	46.21	0.00	0.00	46.21
6.50	-	-	-	46.02	0.00	0.00	46.02
6.55	-	-	-	45.84	0.00	0.00	45.84
6.60	-	-	-	45.67	0.00	0.00	45.67
6.65	-	-	-	45.49	0.00	0.00	45.49
6.70	-	-	-	45.31	0.00	0.00	45.31
6.75	-	-	-	45.14	0.00	0.00	45.14
6.80	-	-	-	44.97	0.00	0.00	44.97
6.85	-	-	-	44.80	0.00	0.00	44.80
6.90	-	-	-	44.64	0.00	0.00	44.64
6.95	-	-	-	44.47	0.00	0.00	44.47
7.00	-	-	-	44.31	0.00	0.00	44.31
7.05	-	-	-	44.14	0.00	0.00	44.14
7.10	-	-	-	43.98	0.00	0.00	43.98
7.15	-	-	-	43.83	0.00	0.00	43.83
7.20	-	-	-	43.67	0.00	0.00	43.67
7.25	-	-	-	43.51	0.00	0.00	43.51
7.30	-	-	-	43.36	0.00	0.00	43.36
7.35	-	-	-	43.21	0.00	0.00	43.21
7.40	-	-	-	43.05	0.00	0.00	43.05
7.45	-	-	-	42.90	0.00	0.00	42.90
7.50	-	-	-	42.76	0.00	0.00	42.76
7.55	-	-	-	42.61	0.00	0.00	42.61
7.60	-	-	-	42.46	0.00	0.00	42.46
7.65	-	-	-	42.32	0.00	0.00	42.32
7.70	-	-	-	42.18	0.00	0.00	42.18
7.75	-	-	-	42.03	0.00	0.00	42.03
7.80	-	-	-	41.89	0.00	0.00	41.89
7.85	-	-	-	41.76	0.00	0.00	41.76
7.90	-	-	-	41.62	0.00	0.00	41.62
7.95	-	-	-	41.48	0.00	0.00	41.48
8.00	-	-	-	41.35	0.00	0.00	41.35
8.05	-	-	-	41.21	0.00	0.00	41.21
8.10	-	-	-	41.08	0.00	0.00	41.08
8.15	-	-	-	40.95	0.00	0.00	40.95
8.20	-	-	-	40.82	0.00	0.00	40.82
8.25	-	-	-	46.11	0.00	0.00	46.11
8.30	-	-	-	45.97	0.00	0.00	45.97
8.35	-	-	-	45.82	0.00	0.00	45.82
8.40	-	-	-	45.68	0.00	0.00	45.68
8.45	-	-	-	45.54	0.00	0.00	45.54
8.50	-	-	-	45.40	0.00	0.00	45.40
8.55	-	-	-	45.26	0.00	0.00	45.26
8.60	-	-	-	45.12	0.00	0.00	45.12
8.65	-	-	-	44.98	0.00	0.00	44.98
8.70	-	-	-	44.85	0.00	0.00	44.85
8.75	-	-	-	44.71	0.00	0.00	44.71
8.80	-	-	-	44.58	0.00	0.00	44.58
8.85	-	-	-	44.45	0.00	0.00	44.45
8.90	-	-	-	44.31	0.00	0.00	44.31
8.95	-	-	-	44.18	0.00	0.00	44.18
9.00	-	-	-	44.05	0.00	0.00	44.05
9.05	-	-	-	43.93	0.00	0.00	43.93
9.10	-	-	-	43.80	0.00	0.00	43.80

9.15	-	-	-	43.67	0.00	0.00	43.67
9.20	-	-	-	43.55	0.00	0.00	43.55
9.25	-	-	-	43.42	0.00	0.00	43.42
9.30	-	-	-	43.30	0.00	0.00	43.30
9.35	-	-	-	43.18	0.00	0.00	43.18
9.40	-	-	-	43.05	0.00	0.00	43.05
9.45	-	-	-	42.93	0.00	0.00	42.93
9.50	-	-	-	42.81	0.00	0.00	42.81
9.55	-	-	-	42.70	0.00	0.00	42.70
9.60	-	-	-	42.58	0.00	0.00	42.58
9.65	-	-	-	42.46	0.00	0.00	42.46
9.70	-	-	-	42.34	0.00	0.00	42.34
9.75	-	-	-	42.23	0.00	0.00	42.23
9.80	-	-	-	42.11	0.00	0.00	42.11
9.85	-	-	-	42.00	0.00	0.00	42.00
9.90	-	-	-	41.89	0.00	0.00	41.89
9.95	-	-	-	41.78	0.00	0.00	41.78
10.00	-	-	-	41.66	0.00	0.00	41.66
10.05	-	-	-	41.62	0.00	0.00	41.62
10.10	-	-	-	41.58	0.00	0.00	41.58
10.15	-	-	-	41.53	0.00	0.00	41.53
10.20	-	-	-	41.49	0.00	0.00	41.49
10.25	-	-	-	41.45	0.00	0.00	41.45
10.30	-	-	-	41.40	0.00	0.00	41.40
10.35	-	-	-	41.36	0.00	0.00	41.36
10.40	-	-	-	41.32	0.00	0.00	41.32
10.45	-	-	-	41.28	0.00	0.00	41.28
10.50	-	-	-	41.24	0.00	0.00	41.24
10.55	-	-	-	41.20	0.00	0.00	41.20
10.60	-	-	-	41.16	0.00	0.00	41.16
10.65	-	-	-	41.12	0.00	0.00	41.12
10.70	-	-	-	41.08	0.00	0.00	41.08
10.75	-	-	-	41.05	0.00	0.00	41.05
10.80	-	-	-	41.01	0.00	0.00	41.01
10.85	-	-	-	40.97	0.00	0.00	40.97
10.90	-	-	-	40.94	0.00	0.00	40.94
10.95	-	-	-	40.90	0.00	0.00	40.90
11.00	-	-	-	40.86	0.00	0.00	40.86
11.05	-	-	-	40.83	0.00	0.00	40.83
11.10	-	-	-	40.79	0.00	0.00	40.79
11.15	-	-	-	40.76	0.00	0.00	40.76
11.20	-	-	-	40.73	0.00	0.00	40.73
11.25	-	-	-	40.69	0.00	0.00	40.69
11.30	-	-	-	40.66	0.00	0.00	40.66
11.35	-	-	-	40.63	0.00	0.00	40.63
11.40	-	-	-	40.59	0.00	0.00	40.59
11.45	-	-	-	40.56	0.00	0.00	40.56
11.50	-	-	-	40.53	0.00	0.00	40.53
11.55	-	-	-	40.50	0.00	0.00	40.50
11.60	-	-	-	40.47	0.00	0.00	40.47
11.65	-	-	-	40.44	0.00	0.00	40.44
11.70	-	-	-	40.41	0.00	0.00	40.41
11.75	-	-	-	40.38	0.00	0.00	40.38
11.80	-	-	-	40.35	0.00	0.00	40.35
11.85	-	-	-	40.32	0.00	0.00	40.32
11.90	-	-	-	40.29	0.00	0.00	40.29
11.95	-	-	-	40.26	0.00	0.00	40.26
12.00	-	-	-	40.23	0.00	0.00	40.23
12.05	-	-	-	40.21	0.00	0.00	40.21
12.10	-	-	-	40.18	0.00	0.00	40.18
12.15	-	-	-	40.15	0.00	0.00	40.15
12.20	-	-	-	40.13	0.00	0.00	40.13
12.25	-	-	-	40.10	0.00	0.00	40.10
12.30	-	-	-	40.07	0.00	0.00	40.07
12.35	-	-	-	40.05	0.00	0.00	40.05
12.40	-	-	-	40.02	0.00	0.00	40.02
12.45	-	-	-	40.00	0.00	0.00	40.00
12.50	-	-	-	39.97	0.00	0.00	39.97
12.55	-	-	-	39.95	0.00	0.00	39.95
12.60	-	-	-	39.92	0.00	0.00	39.92
12.65	-	-	-	39.90	0.00	0.00	39.90
12.70	-	-	-	39.87	0.00	0.00	39.87
12.75	-	-	-	39.85	0.00	0.00	39.85

12.80	-	-	-	39.83	0.00	0.00	39.83
12.85	-	-	-	39.81	0.00	0.00	39.81
12.90	-	-	-	39.78	0.00	0.00	39.78
12.95	-	-	-	39.76	0.00	0.00	39.76
13.00	-	-	-	39.74	0.00	0.00	39.74
13.05	-	-	-	39.72	0.00	0.00	39.72
13.10	-	-	-	39.69	0.00	0.00	39.69
13.15	-	-	-	39.67	0.00	0.00	39.67
13.20	-	-	-	39.65	0.00	0.00	39.65
13.25	-	-	-	39.63	0.00	0.00	39.63
13.30	-	-	-	39.61	0.00	0.00	39.61
13.35	-	-	-	39.59	0.00	0.00	39.59
13.40	-	-	-	39.57	0.00	0.00	39.57
13.45	-	-	-	39.55	0.00	0.00	39.55
13.50	-	-	-	39.53	0.00	0.00	39.53
13.55	-	-	-	39.51	0.00	0.00	39.51
13.60	-	-	-	39.49	0.00	0.00	39.49
13.65	-	-	-	39.47	0.00	0.00	39.47
13.70	-	-	-	39.45	0.00	0.00	39.45
13.75	-	-	-	39.44	0.00	0.00	39.44
13.80	-	-	-	39.42	0.00	0.00	39.42
13.85	-	-	-	39.40	0.00	0.00	39.40
13.90	-	-	-	39.38	0.00	0.00	39.38
13.95	-	-	-	39.36	0.00	0.00	39.36
14.00	-	-	-	39.35	0.00	0.00	39.35
14.05	-	-	-	39.33	0.00	0.00	39.33
14.10	-	-	-	39.31	0.00	0.00	39.31
14.15	-	-	-	39.30	0.00	0.00	39.30
14.20	-	-	-	39.28	0.00	0.00	39.28
14.25	-	-	-	39.26	0.00	0.00	39.26
14.30	-	-	-	39.25	0.00	0.00	39.25
14.35	-	-	-	39.23	0.00	0.00	39.23
14.40	-	-	-	39.22	0.00	0.00	39.22
14.45	-	-	-	39.20	0.00	0.00	39.20
14.50	-	-	-	39.18	0.00	0.00	39.18
14.55	-	-	-	39.17	0.00	0.00	39.17
14.60	-	-	-	39.15	0.00	0.00	39.15
14.65	-	-	-	39.14	0.00	0.00	39.14
14.70	-	-	-	39.13	0.00	0.00	39.13
14.75	-	-	-	39.11	0.00	0.00	39.11
14.80	-	-	-	43.70	0.00	0.00	43.70
14.85	-	-	-	43.68	0.00	0.00	43.68
14.90	-	-	-	43.67	0.00	0.00	43.67
14.95	-	-	-	43.65	0.00	0.00	43.65
15.00	-	-	-	43.63	0.00	0.00	43.63
15.05	-	-	-	43.56	1.01	0.00	43.56
15.10	-	-	-	43.49	2.02	0.00	43.49
15.15	-	-	-	43.41	3.03	0.00	43.41
15.20	-	-	-	43.34	4.04	0.00	43.34
15.25	-	-	-	43.33	5.05	0.00	43.33
15.30	-	-	-	43.44	6.06	0.00	43.44
15.35	-	-	-	43.63	7.07	0.00	43.63
15.40	-	-	-	43.93	8.08	0.00	43.93
15.45	-	-	-	44.31	9.09	0.00	44.31
15.50	-	-	-	44.76	10.10	0.00	44.76
15.55	-	-	-	45.24	11.11	0.00	45.24
15.60	-	-	-	45.74	12.12	0.00	45.74
15.65	-	-	-	46.24	13.13	0.00	46.24
15.70	-	-	-	46.72	14.14	0.00	46.72
15.75	-	-	-	47.19	15.15	0.00	47.19
15.80	-	-	-	47.64	16.16	0.00	47.64
15.85	-	-	-	48.07	17.17	0.00	48.07
15.90	-	-	-	48.49	18.18	0.00	48.49
15.95	-	-	-	48.89	19.19	0.00	48.89
16.00	-	-	-	49.28	20.20	0.00	49.28
16.05	-	-	-	49.66	21.21	0.00	49.66
16.10	-	-	-	50.03	22.22	0.00	50.03
16.15	-	-	-	50.40	23.23	0.00	50.40
16.20	-	-	-	50.75	24.24	0.00	50.75
16.25	-	-	-	51.10	25.25	0.00	51.10
16.30	-	-	-	51.45	26.26	0.00	51.45
16.35	-	-	-	51.79	27.27	0.00	51.79
16.40	-	-	-	52.13	28.28	0.00	52.13

16.45	-	-	-	52.47	29.29	0.00	52.47
16.50	-	-	-	52.81	30.30	0.00	52.81
16.55	-	-	-	53.15	31.31	0.00	53.15
16.60	-	-	-	53.49	32.32	0.00	53.49
16.65	-	-	-	53.83	33.33	0.00	53.83
16.70	-	-	-	54.17	34.34	0.00	54.17
16.75	-	-	-	54.51	35.35	0.00	54.51
16.80	-	-	-	54.43	36.36	0.00	54.43
16.85	-	-	-	54.36	37.37	0.00	54.36
16.90	-	-	-	54.28	38.38	0.00	54.28
16.95	-	-	-	54.21	39.39	0.00	54.21
17.00	-	-	-	54.14	40.40	0.00	54.14
17.05	-	-	-	54.06	41.41	0.00	54.06
17.10	-	-	-	53.99	42.42	0.00	53.99
17.15	-	-	-	53.92	43.43	0.00	53.92
17.20	-	-	-	53.85	44.44	0.00	53.85
17.25	-	-	-	53.78	45.45	0.00	53.78
17.30	-	-	-	53.71	46.46	0.00	53.71
17.35	-	-	-	53.64	47.47	0.00	53.64
17.40	-	-	-	53.57	48.48	0.00	53.57
17.45	-	-	-	53.50	49.49	0.00	53.50
17.50	-	-	-	53.43	50.50	0.00	53.43
17.55	-	-	-	53.36	51.51	0.00	53.36
17.60	-	-	-	53.29	52.52	0.00	53.29
17.65	-	-	-	53.22	53.53	0.00	53.22
17.70	-	-	-	53.15	54.54	0.00	53.15
17.75	-	-	-	53.08	55.55	0.00	53.08
17.80	-	-	-	53.02	56.56	0.00	53.02
17.85	-	-	-	52.95	57.57	0.00	52.95
17.90	-	-	-	52.88	58.58	0.00	52.88
17.95	-	-	-	52.81	59.59	0.00	52.81
18.00	-	-	-	52.75	60.60	0.00	52.75
18.05	-	-	-	52.68	61.61	0.00	52.68
18.10	-	-	-	52.62	62.62	0.00	52.62
18.15	-	-	-	52.55	63.63	0.00	52.55
18.20	-	-	-	52.49	64.64	0.00	52.49
18.25	-	-	-	52.42	65.65	0.00	52.42
18.30	-	-	-	52.36	66.66	0.00	52.36
18.35	-	-	-	52.29	67.67	0.00	52.29
18.40	-	-	-	52.23	68.68	0.00	52.23
18.45	-	-	-	52.16	69.69	0.00	52.16
18.50	-	-	-	52.10	70.70	0.00	52.10
18.55	-	-	-	52.04	71.71	0.00	52.04
18.60	-	-	-	51.97	72.72	0.00	51.97
18.65	-	-	-	51.91	73.73	0.00	51.91
18.70	-	-	-	51.85	74.74	0.00	51.85
18.75	-	-	-	51.79	75.75	0.00	51.79
18.80	-	-	-	51.73	76.76	0.00	51.73
18.85	-	-	-	51.66	77.77	0.00	51.66
18.90	-	-	-	51.60	78.78	0.00	51.60
18.95	-	-	-	51.54	79.79	0.00	51.54
19.00	-	-	-	51.48	80.80	0.00	51.48
19.05	-	-	-	51.42	81.81	0.00	51.42
19.10	-	-	-	51.36	82.82	0.00	51.36
19.15	-	-	-	51.30	83.83	0.00	51.30
19.20	-	-	-	51.24	84.84	0.00	51.24
19.25	-	-	-	51.18	85.85	0.00	51.18
19.30	-	-	-	51.12	86.86	0.00	51.12
19.35	-	-	-	51.06	87.87	0.00	51.06
19.40	-	-	-	51.00	88.88	0.00	51.00
19.45	-	-	-	50.95	89.89	0.00	50.95
19.50	-	-	-	50.89	90.90	0.00	50.89
19.55	-	-	-	50.83	91.91	0.00	50.83
19.60	-	-	-	50.77	92.92	0.00	50.77
19.65	-	-	-	50.71	93.93	0.00	50.71
19.70	-	-	-	50.66	94.94	0.00	50.66
19.75	-	-	-	50.60	95.95	0.00	50.60
19.80	-	-	-	50.54	96.96	0.00	50.54
19.85	-	-	-	50.49	97.97	0.00	50.49
19.90	-	-	-	50.43	98.98	0.00	50.43
19.95	-	-	-	50.37	99.99	0.00	50.37
20.00	-	-	-	50.32	NoLiq	0.00	50.32
20.05	-	-	-	50.04	NoLiq	0.00	50.04

20.10	-	-	-	49.75	NoLiq	0.00	49.75
20.15	-	-	-	49.47	NoLiq	0.00	49.47
20.20	-	-	-	49.19	NoLiq	0.00	49.19
20.25	-	-	-	48.92	NoLiq	0.00	48.92
20.30	-	-	-	48.64	NoLiq	0.00	48.64
20.35	-	-	-	48.36	NoLiq	0.00	48.36
20.40	-	-	-	48.08	NoLiq	0.00	48.08
20.45	-	-	-	47.81	NoLiq	0.00	47.81
20.50	-	-	-	47.53	NoLiq	0.00	47.53
20.55	-	-	-	47.26	NoLiq	0.00	47.26
20.60	-	-	-	46.98	NoLiq	0.00	46.98
20.65	-	-	-	46.71	NoLiq	0.00	46.71
20.70	-	-	-	46.44	NoLiq	0.00	46.44
20.75	-	-	-	46.17	NoLiq	0.00	46.17
20.80	-	-	-	45.90	NoLiq	0.00	45.90
20.85	-	-	-	45.63	NoLiq	0.00	45.63
20.90	-	-	-	45.36	NoLiq	0.00	45.36
20.95	-	-	-	45.09	NoLiq	0.00	45.09
21.00	-	-	-	44.82	NoLiq	0.00	44.82
21.05	-	-	-	44.55	NoLiq	0.00	44.55
21.10	-	-	-	44.29	NoLiq	0.00	44.29
21.15	-	-	-	44.02	NoLiq	0.00	44.02
21.20	-	-	-	43.75	NoLiq	0.00	43.75
21.25	-	-	-	43.49	NoLiq	0.00	43.49
21.30	-	-	-	43.23	NoLiq	0.00	43.23
21.35	-	-	-	42.96	NoLiq	0.00	42.96
21.40	-	-	-	42.70	NoLiq	0.00	42.70
21.45	-	-	-	42.44	NoLiq	0.00	42.44
21.50	-	-	-	42.18	NoLiq	0.00	42.18
21.55	-	-	-	41.91	NoLiq	0.00	41.91
21.60	-	-	-	41.65	NoLiq	0.00	41.65
21.65	-	-	-	41.40	NoLiq	0.00	41.40
21.70	-	-	-	41.14	NoLiq	0.00	41.14
21.75	-	-	-	40.88	NoLiq	0.00	40.88
21.80	-	-	-	40.62	NoLiq	0.00	40.62
21.85	-	-	-	40.36	NoLiq	0.00	40.36
21.90	-	-	-	40.11	NoLiq	0.00	40.11
21.95	-	-	-	39.85	NoLiq	0.00	39.85
22.00	-	-	-	39.60	NoLiq	0.00	39.60
22.05	-	-	-	39.34	NoLiq	0.00	39.34
22.10	-	-	-	39.09	NoLiq	0.00	39.09
22.15	-	-	-	38.84	NoLiq	0.00	38.84
22.20	-	-	-	38.58	NoLiq	0.00	38.58
22.25	-	-	-	38.33	NoLiq	0.00	38.33
22.30	-	-	-	38.08	NoLiq	0.00	38.08
22.35	-	-	-	37.83	NoLiq	0.00	37.83
22.40	-	-	-	37.58	NoLiq	0.00	37.58
22.45	-	-	-	37.33	NoLiq	0.00	37.33
22.50	-	-	-	37.08	NoLiq	0.00	37.08
22.55	-	-	-	36.83	NoLiq	0.00	36.83
22.60	-	-	-	36.58	NoLiq	0.00	36.58
22.65	-	-	-	36.34	NoLiq	0.00	36.34
22.70	-	-	-	36.09	NoLiq	0.00	36.09
22.75	-	-	-	35.84	NoLiq	0.00	35.84
22.80	-	-	-	35.60	NoLiq	0.00	35.60
22.85	-	-	-	35.35	NoLiq	0.00	35.35
22.90	-	-	-	35.11	NoLiq	0.00	35.11
22.95	-	-	-	34.86	NoLiq	0.00	34.86
23.00	-	-	-	34.62	NoLiq	0.00	34.62
23.05	-	-	-	34.38	NoLiq	0.00	34.38
23.10	-	-	-	34.14	NoLiq	0.00	34.14
23.15	-	-	-	33.89	NoLiq	0.00	33.89
23.20	-	-	-	33.65	NoLiq	0.00	33.65
23.25	-	-	-	33.41	NoLiq	0.00	33.41
23.30	-	-	-	33.17	NoLiq	0.00	33.17
23.35	-	-	-	32.93	NoLiq	0.00	32.93
23.40	-	-	-	32.69	NoLiq	0.00	32.69
23.45	-	-	-	32.46	NoLiq	0.00	32.46
23.50	-	-	-	32.22	NoLiq	0.00	32.22
23.55	-	-	-	31.98	NoLiq	0.00	31.98
23.60	-	-	-	31.74	NoLiq	0.00	31.74
23.65	-	-	-	31.51	NoLiq	0.00	31.51
23.70	-	-	-	31.27	NoLiq	0.00	31.27

23.75	-	-	-	31.04	NoLiq	0.00	31.04
23.80	-	-	-	30.80	NoLiq	0.00	30.80
23.85	-	-	-	30.57	NoLiq	0.00	30.57
23.90	-	-	-	30.33	NoLiq	0.00	30.33
23.95	-	-	-	30.10	NoLiq	0.00	30.10
24.00	-	-	-	29.87	NoLiq	0.00	29.87
24.05	-	-	-	29.64	NoLiq	0.00	29.64
24.10	-	-	-	29.42	NoLiq	0.00	29.42
24.15	-	-	-	29.20	NoLiq	0.00	29.20
24.20	-	-	-	28.98	NoLiq	0.00	28.98
24.25	-	-	-	28.76	NoLiq	0.00	28.76
24.30	-	-	-	28.54	NoLiq	0.00	28.54
24.35	-	-	-	28.32	NoLiq	0.00	28.32
24.40	-	-	-	28.11	NoLiq	0.00	28.11
24.45	-	-	-	27.89	NoLiq	0.00	27.89
24.50	-	-	-	27.67	NoLiq	0.00	27.67
24.55	-	-	-	27.46	NoLiq	0.00	27.46
24.60	-	-	-	27.24	NoLiq	0.00	27.24
24.65	-	-	-	27.02	NoLiq	0.00	27.02
24.70	-	-	-	26.81	NoLiq	0.00	26.81
24.75	-	-	-	26.59	NoLiq	0.00	26.59
24.80	-	-	-	26.37	NoLiq	0.00	26.37
24.85	-	-	-	26.16	NoLiq	0.00	26.16
24.90	-	-	-	25.94	NoLiq	0.00	25.94
24.95	-	-	-	25.73	NoLiq	0.00	25.73
25.00	-	-	-	25.51	NoLiq	0.00	25.51
25.05	-	-	-	25.50	NoLiq	0.00	25.50
25.10	-	-	-	25.49	NoLiq	0.00	25.49
25.15	-	-	-	25.48	NoLiq	0.00	25.48
25.20	-	-	-	25.47	NoLiq	0.00	25.47
25.25	-	-	-	25.46	NoLiq	0.00	25.46
25.30	-	-	-	25.45	NoLiq	0.00	25.45
25.35	-	-	-	25.44	NoLiq	0.00	25.44
25.40	-	-	-	25.43	NoLiq	0.00	25.43
25.45	-	-	-	25.42	NoLiq	0.00	25.42
25.50	-	-	-	25.41	NoLiq	0.00	25.41
25.55	-	-	-	25.40	NoLiq	0.00	25.40
25.60	-	-	-	25.40	NoLiq	0.00	25.40
25.65	-	-	-	25.39	NoLiq	0.00	25.39
25.70	-	-	-	25.38	NoLiq	0.00	25.38
25.75	-	-	-	25.37	NoLiq	0.00	25.37
25.80	-	-	-	25.36	NoLiq	0.00	25.36
25.85	-	-	-	25.35	NoLiq	0.00	25.35
25.90	-	-	-	25.34	NoLiq	0.00	25.34
25.95	-	-	-	25.33	NoLiq	0.00	25.33
26.00	-	-	-	25.32	NoLiq	0.00	25.32
26.05	-	-	-	25.31	NoLiq	0.00	25.31
26.10	-	-	-	25.30	NoLiq	0.00	25.30
26.15	-	-	-	25.29	NoLiq	0.00	25.29
26.20	-	-	-	25.28	NoLiq	0.00	25.28
26.25	-	-	-	25.27	NoLiq	0.00	25.27
26.30	-	-	-	25.26	NoLiq	0.00	25.26
26.35	-	-	-	25.25	NoLiq	0.00	25.25
26.40	-	-	-	25.24	NoLiq	0.00	25.24
26.45	-	-	-	25.23	NoLiq	0.00	25.23
26.50	-	-	-	25.22	NoLiq	0.00	25.22
26.55	-	-	-	25.21	NoLiq	0.00	25.21
26.60	-	-	-	25.20	NoLiq	0.00	25.20
26.65	-	-	-	25.19	NoLiq	0.00	25.19
26.70	-	-	-	25.18	NoLiq	0.00	25.18
26.75	-	-	-	25.18	NoLiq	0.00	25.18
26.80	-	-	-	25.17	NoLiq	0.00	25.17
26.85	-	-	-	25.16	NoLiq	0.00	25.16
26.90	-	-	-	25.15	NoLiq	0.00	25.15
26.95	-	-	-	25.14	NoLiq	0.00	25.14
27.00	-	-	-	25.13	NoLiq	0.00	25.13
27.05	-	-	-	25.12	NoLiq	0.00	25.12
27.10	-	-	-	25.11	NoLiq	0.00	25.11
27.15	-	-	-	25.10	NoLiq	0.00	25.10
27.20	-	-	-	25.09	NoLiq	0.00	25.09
27.25	-	-	-	25.08	NoLiq	0.00	25.08
27.30	-	-	-	25.07	NoLiq	0.00	25.07
27.35	-	-	-	25.06	NoLiq	0.00	25.06

27.40	-	-	-	25.05	NoLiq	0.00	25.05
27.45	-	-	-	25.04	NoLiq	0.00	25.04
27.50	-	-	-	25.04	NoLiq	0.00	25.04
27.55	-	-	-	25.03	NoLiq	0.00	25.03
27.60	-	-	-	25.02	NoLiq	0.00	25.02
27.65	-	-	-	25.01	NoLiq	0.00	25.01
27.70	-	-	-	25.00	NoLiq	0.00	25.00
27.75	-	-	-	24.99	NoLiq	0.00	24.99
27.80	-	-	-	24.98	NoLiq	0.00	24.98
27.85	-	-	-	24.97	NoLiq	0.00	24.97
27.90	-	-	-	26.01	NoLiq	0.00	26.01
27.95	-	-	-	26.00	NoLiq	0.00	26.00
28.00	-	-	-	25.99	NoLiq	0.00	25.99
28.05	-	-	-	25.98	NoLiq	0.00	25.98
28.10	-	-	-	25.97	NoLiq	0.00	25.97
28.15	-	-	-	25.96	NoLiq	0.00	25.96
28.20	-	-	-	25.95	NoLiq	0.00	25.95
28.25	-	-	-	25.94	NoLiq	0.00	25.94
28.30	-	-	-	25.94	NoLiq	0.00	25.94
28.35	-	-	-	25.93	NoLiq	0.00	25.93
28.40	-	-	-	25.92	NoLiq	0.00	25.92
28.45	-	-	-	25.91	NoLiq	0.00	25.91
28.50	-	-	-	25.90	NoLiq	0.00	25.90
28.55	-	-	-	25.89	NoLiq	0.00	25.89
28.60	-	-	-	25.88	NoLiq	0.00	25.88
28.65	-	-	-	25.87	NoLiq	0.00	25.87
28.70	-	-	-	25.86	NoLiq	0.00	25.86
28.75	-	-	-	25.85	NoLiq	0.00	25.85
28.80	-	-	-	25.84	NoLiq	0.00	25.84
28.85	-	-	-	25.83	NoLiq	0.00	25.83
28.90	-	-	-	25.82	NoLiq	0.00	25.82
28.95	-	-	-	25.81	NoLiq	0.00	25.81
29.00	-	-	-	25.80	NoLiq	0.00	25.80
29.05	-	-	-	25.79	NoLiq	0.00	25.79
29.10	-	-	-	25.78	NoLiq	0.00	25.78
29.15	-	-	-	25.77	NoLiq	0.00	25.77
29.20	-	-	-	25.76	NoLiq	0.00	25.76
29.25	-	-	-	25.75	NoLiq	0.00	25.75
29.30	-	-	-	25.75	NoLiq	0.00	25.75
29.35	-	-	-	25.74	NoLiq	0.00	25.74
29.40	-	-	-	25.73	NoLiq	0.00	25.73
29.45	-	-	-	25.72	NoLiq	0.00	25.72
29.50	-	-	-	25.71	NoLiq	0.00	25.71
29.55	-	-	-	25.70	NoLiq	0.00	25.70
29.60	-	-	-	25.69	NoLiq	0.00	25.69
29.65	-	-	-	25.68	NoLiq	0.00	25.68
29.70	-	-	-	25.67	NoLiq	0.00	25.67
29.75	-	-	-	25.66	NoLiq	0.00	25.66
29.80	-	-	-	25.65	NoLiq	0.00	25.65
29.85	-	-	-	25.64	NoLiq	0.00	25.64
29.90	-	-	-	25.63	NoLiq	0.00	25.63
29.95	-	-	-	25.62	NoLiq	0.00	25.62
30.00	-	-	-	25.62	NoLiq	0.00	25.62
30.05	-	-	-	25.55	NoLiq	0.00	25.55
30.10	-	-	-	25.48	NoLiq	0.00	25.48
30.15	-	-	-	25.42	NoLiq	0.00	25.42
30.20	-	-	-	25.35	NoLiq	0.00	25.35
30.25	-	-	-	25.29	NoLiq	0.00	25.29
30.30	-	-	-	25.22	NoLiq	0.00	25.22
30.35	-	-	-	25.16	NoLiq	0.00	25.16
30.40	-	-	-	25.09	NoLiq	0.00	25.09
30.45	-	-	-	25.03	NoLiq	0.00	25.03
30.50	-	-	-	24.96	NoLiq	0.00	24.96
30.55	-	-	-	24.90	NoLiq	0.00	24.90
30.60	-	-	-	24.83	NoLiq	0.00	24.83
30.65	-	-	-	24.77	NoLiq	0.00	24.77
30.70	-	-	-	24.71	NoLiq	0.00	24.71
30.75	-	-	-	24.64	NoLiq	0.00	24.64
30.80	-	-	-	24.58	NoLiq	0.00	24.58
30.85	-	-	-	24.51	NoLiq	0.00	24.51
30.90	-	-	-	24.45	NoLiq	0.00	24.45
30.95	-	-	-	24.38	NoLiq	0.00	24.38
31.00	-	-	-	24.32	NoLiq	0.00	24.32

31.05	-	-	-	24.25	NoLiq	0.00	24.25
31.10	-	-	-	24.19	NoLiq	0.00	24.19
31.15	-	-	-	24.13	NoLiq	0.00	24.13
31.20	-	-	-	24.06	NoLiq	0.00	24.06
31.25	-	-	-	24.00	NoLiq	0.00	24.00
31.30	-	-	-	23.94	NoLiq	0.00	23.94
31.35	-	-	-	23.87	NoLiq	0.00	23.87
31.40	-	-	-	23.81	NoLiq	0.00	23.81
31.45	-	-	-	23.74	NoLiq	0.00	23.74
31.50	-	-	-	23.68	NoLiq	0.00	23.68
31.55	-	-	-	23.62	NoLiq	0.00	23.62
31.60	-	-	-	23.55	NoLiq	0.00	23.55
31.65	-	-	-	23.49	NoLiq	0.00	23.49
31.70	-	-	-	23.43	NoLiq	0.00	23.43
31.75	-	-	-	23.36	NoLiq	0.00	23.36
31.80	-	-	-	23.30	NoLiq	0.00	23.30
31.85	-	-	-	23.24	NoLiq	0.00	23.24
31.90	-	-	-	23.17	NoLiq	0.00	23.17
31.95	-	-	-	23.11	NoLiq	0.00	23.11
32.00	-	-	-	23.05	NoLiq	0.00	23.05
32.05	-	-	-	22.98	NoLiq	0.00	22.98
32.10	-	-	-	22.92	NoLiq	0.00	22.92
32.15	-	-	-	22.86	NoLiq	0.00	22.86
32.20	-	-	-	22.80	NoLiq	0.00	22.80
32.25	-	-	-	22.73	NoLiq	0.00	22.73
32.30	-	-	-	22.67	NoLiq	0.00	22.67
32.35	-	-	-	22.61	NoLiq	0.00	22.61
32.40	-	-	-	22.55	NoLiq	0.00	22.55
32.45	-	-	-	22.48	NoLiq	0.00	22.48
32.50	-	-	-	22.42	NoLiq	0.00	22.42
32.55	-	-	-	22.36	NoLiq	0.00	22.36
32.60	-	-	-	22.30	NoLiq	0.00	22.30
32.65	-	-	-	22.23	NoLiq	0.00	22.23
32.70	-	-	-	22.17	NoLiq	0.00	22.17
32.75	-	-	-	22.11	NoLiq	0.00	22.11
32.80	-	-	-	22.05	NoLiq	0.00	22.05
32.85	-	-	-	21.99	NoLiq	0.00	21.99
32.90	-	-	-	21.92	NoLiq	0.00	21.92
32.95	-	-	-	21.86	NoLiq	0.00	21.86
33.00	-	-	-	21.80	NoLiq	0.00	21.80
33.05	-	-	-	21.74	NoLiq	0.00	21.74
33.10	-	-	-	21.68	NoLiq	0.00	21.68
33.15	-	-	-	21.61	NoLiq	0.00	21.61
33.20	-	-	-	21.55	NoLiq	0.00	21.55
33.25	-	-	-	21.49	NoLiq	0.00	21.49
33.30	-	-	-	21.43	NoLiq	0.00	21.43
33.35	-	-	-	21.37	NoLiq	0.00	21.37
33.40	-	-	-	21.31	NoLiq	0.00	21.31
33.45	-	-	-	21.25	NoLiq	0.00	21.25
33.50	-	-	-	21.18	NoLiq	0.00	21.18
33.55	-	-	-	21.12	NoLiq	0.00	21.12
33.60	-	-	-	21.06	NoLiq	0.00	21.06
33.65	-	-	-	21.00	NoLiq	0.00	21.00
33.70	-	-	-	20.94	NoLiq	0.00	20.94
33.75	-	-	-	20.88	NoLiq	0.00	20.88
33.80	-	-	-	20.82	NoLiq	0.00	20.82
33.85	-	-	-	20.76	NoLiq	0.00	20.76
33.90	-	-	-	20.70	NoLiq	0.00	20.70
33.95	-	-	-	20.63	NoLiq	0.00	20.63
34.00	-	-	-	20.57	NoLiq	0.00	20.57
34.05	-	-	-	20.51	NoLiq	0.00	20.51
34.10	-	-	-	20.45	NoLiq	0.00	20.45
34.15	-	-	-	20.39	NoLiq	0.00	20.39
34.20	-	-	-	20.33	NoLiq	0.00	20.33
34.25	-	-	-	20.27	NoLiq	0.00	20.27
34.30	-	-	-	20.21	NoLiq	0.00	20.21
34.35	-	-	-	20.15	NoLiq	0.00	20.15
34.40	-	-	-	20.09	NoLiq	0.00	20.09
34.45	-	-	-	20.03	NoLiq	0.00	20.03
34.50	-	-	-	19.97	NoLiq	0.00	19.97
34.55	-	-	-	19.91	NoLiq	0.00	19.91
34.60	-	-	-	19.85	NoLiq	0.00	19.85
34.65	-	-	-	19.79	NoLiq	0.00	19.79

34.70	-	-	-	19.73	NoLiq	0.00	19.73
34.75	-	-	-	19.67	NoLiq	0.00	19.67
34.80	-	-	-	19.61	NoLiq	0.00	19.61
34.85	-	-	-	19.55	NoLiq	0.00	19.55
34.90	-	-	-	19.49	NoLiq	0.00	19.49
34.95	-	-	-	19.43	NoLiq	0.00	19.43
35.00	-	-	-	19.37	NoLiq	0.00	19.37
35.05	-	-	-	19.36	NoLiq	0.00	19.36
35.10	-	-	-	19.36	NoLiq	0.00	19.36
35.15	-	-	-	19.35	NoLiq	0.00	19.35
35.20	-	-	-	19.35	NoLiq	0.00	19.35
35.25	-	-	-	19.34	NoLiq	0.00	19.34
35.30	-	-	-	19.34	NoLiq	0.00	19.34
35.35	-	-	-	19.33	NoLiq	0.00	19.33
35.40	-	-	-	19.32	NoLiq	0.00	19.32
35.45	-	-	-	19.32	NoLiq	0.00	19.32
35.50	-	-	-	19.31	NoLiq	0.00	19.31
35.55	-	-	-	19.31	NoLiq	0.00	19.31
35.60	-	-	-	19.30	NoLiq	0.00	19.30
35.65	-	-	-	19.30	NoLiq	0.00	19.30
35.70	-	-	-	19.29	NoLiq	0.00	19.29
35.75	-	-	-	19.28	NoLiq	0.00	19.28
35.80	-	-	-	19.28	NoLiq	0.00	19.28
35.85	-	-	-	19.27	NoLiq	0.00	19.27
35.90	-	-	-	19.27	NoLiq	0.00	19.27
35.95	-	-	-	19.26	NoLiq	0.00	19.26
36.00	-	-	-	19.26	NoLiq	0.00	19.26
36.05	-	-	-	19.25	NoLiq	0.00	19.25
36.10	-	-	-	19.24	NoLiq	0.00	19.24
36.15	-	-	-	19.24	NoLiq	0.00	19.24
36.20	-	-	-	19.23	NoLiq	0.00	19.23
36.25	-	-	-	19.23	NoLiq	0.00	19.23
36.30	-	-	-	19.22	NoLiq	0.00	19.22
36.35	-	-	-	19.22	NoLiq	0.00	19.22
36.40	-	-	-	19.21	NoLiq	0.00	19.21
36.45	-	-	-	19.21	NoLiq	0.00	19.21
36.50	-	-	-	19.20	NoLiq	0.00	19.20
36.55	-	-	-	19.19	NoLiq	0.00	19.19
36.60	-	-	-	19.19	NoLiq	0.00	19.19
36.65	-	-	-	19.18	NoLiq	0.00	19.18
36.70	-	-	-	19.18	NoLiq	0.00	19.18
36.75	-	-	-	19.17	NoLiq	0.00	19.17
36.80	-	-	-	19.17	NoLiq	0.00	19.17
36.85	-	-	-	19.16	NoLiq	0.00	19.16
36.90	-	-	-	19.16	NoLiq	0.00	19.16
36.95	-	-	-	19.15	NoLiq	0.00	19.15
37.00	-	-	-	19.14	NoLiq	0.00	19.14
37.05	-	-	-	19.14	NoLiq	0.00	19.14
37.10	-	-	-	19.13	NoLiq	0.00	19.13
37.15	-	-	-	19.13	NoLiq	0.00	19.13
37.20	-	-	-	19.12	NoLiq	0.00	19.12
37.25	-	-	-	19.12	NoLiq	0.00	19.12
37.30	-	-	-	19.11	NoLiq	0.00	19.11
37.35	-	-	-	19.11	NoLiq	0.00	19.11
37.40	-	-	-	19.10	NoLiq	0.00	19.10
37.45	-	-	-	19.10	NoLiq	0.00	19.10
37.50	-	-	-	19.09	NoLiq	0.00	19.09
37.55	-	-	-	19.09	NoLiq	0.00	19.09
37.60	-	-	-	19.08	NoLiq	0.00	19.08
37.65	-	-	-	19.07	NoLiq	0.00	19.07
37.70	-	-	-	19.07	NoLiq	0.00	19.07
37.75	-	-	-	19.06	NoLiq	0.00	19.06
37.80	-	-	-	19.06	NoLiq	0.00	19.06
37.85	-	-	-	19.05	NoLiq	0.00	19.05
37.90	-	-	-	19.05	NoLiq	0.00	19.05
37.95	-	-	-	19.04	NoLiq	0.00	19.04
38.00	-	-	-	19.04	NoLiq	0.00	19.04
38.05	-	-	-	19.03	NoLiq	0.00	19.03
38.10	-	-	-	19.03	NoLiq	0.00	19.03
38.15	-	-	-	19.02	NoLiq	0.00	19.02
38.20	-	-	-	19.02	NoLiq	0.00	19.02
38.25	-	-	-	19.01	NoLiq	0.00	19.01
38.30	-	-	-	19.01	NoLiq	0.00	19.01

38.35	-	-	-	19.00	NoLiq	0.00	19.00
38.40	-	-	-	19.00	NoLiq	0.00	19.00
38.45	-	-	-	18.99	NoLiq	0.00	18.99
38.50	-	-	-	18.98	NoLiq	0.00	18.98
38.55	-	-	-	18.98	NoLiq	0.00	18.98
38.60	-	-	-	18.97	NoLiq	0.00	18.97
38.65	-	-	-	18.97	NoLiq	0.00	18.97
38.70	-	-	-	18.96	NoLiq	0.00	18.96
38.75	-	-	-	18.96	NoLiq	0.00	18.96
38.80	-	-	-	18.95	NoLiq	0.00	18.95
38.85	-	-	-	18.95	NoLiq	0.00	18.95
38.90	-	-	-	18.94	NoLiq	0.00	18.94
38.95	-	-	-	18.94	NoLiq	0.00	18.94
39.00	-	-	-	18.93	NoLiq	0.00	18.93
39.05	-	-	-	18.93	NoLiq	0.00	18.93
39.10	-	-	-	18.92	NoLiq	0.00	18.92
39.15	-	-	-	18.92	NoLiq	0.00	18.92
39.20	-	-	-	18.91	NoLiq	0.00	18.91
39.25	-	-	-	18.91	NoLiq	0.00	18.91
39.30	-	-	-	18.90	NoLiq	0.00	18.90
39.35	-	-	-	18.90	NoLiq	0.00	18.90
39.40	-	-	-	18.89	NoLiq	0.00	18.89
39.45	-	-	-	18.89	NoLiq	0.00	18.89
39.50	-	-	-	18.88	NoLiq	0.00	18.88
39.55	-	-	-	18.88	NoLiq	0.00	18.88
39.60	-	-	-	18.87	NoLiq	0.00	18.87
39.65	-	-	-	18.87	NoLiq	0.00	18.87
39.70	-	-	-	18.86	NoLiq	0.00	18.86
39.75	-	-	-	18.86	NoLiq	0.00	18.86
39.80	-	-	-	18.85	NoLiq	0.00	18.85
39.85	-	-	-	18.85	NoLiq	0.00	18.85
39.90	-	-	-	18.84	NoLiq	0.00	18.84
39.95	-	-	-	18.84	NoLiq	0.00	18.84
40.00	-	-	-	18.83	NoLiq	0.00	18.83
40.05	-	-	-	18.98	NoLiq	0.00	18.98
40.10	-	-	-	19.13	99.16	0.00	19.13
40.15	-	-	-	19.28	98.23	0.00	19.28
40.20	-	-	-	19.43	97.31	0.00	19.43
40.25	-	-	-	19.58	96.38	0.00	19.58
40.30	-	-	-	19.73	95.46	0.00	19.73
40.35	-	-	-	19.88	94.53	0.00	19.88
40.40	-	-	-	20.03	93.61	0.00	20.03
40.45	-	-	-	20.18	92.68	0.00	20.18
40.50	-	-	-	20.33	91.76	0.00	20.33
40.55	-	-	-	20.48	90.83	0.00	20.48
40.60	-	-	-	20.63	89.91	0.00	20.63
40.65	-	-	-	20.78	88.98	0.00	20.78
40.70	-	-	-	20.93	88.06	0.00	20.93
40.75	-	-	-	21.08	87.13	0.00	21.08
40.80	-	-	-	21.23	86.21	0.00	21.23
40.85	-	-	-	21.37	85.28	0.00	21.37
40.90	-	-	-	21.52	84.36	0.00	21.52
40.95	-	-	-	21.67	83.43	0.00	21.67
41.00	-	-	-	21.82	82.51	0.00	21.82
41.05	-	-	-	21.97	81.58	0.00	21.97
41.10	-	-	-	22.12	80.66	0.00	22.12
41.15	-	-	-	22.27	79.73	0.00	22.27
41.20	-	-	-	22.41	78.81	0.00	22.41
41.25	-	-	-	22.56	77.88	0.00	22.56
41.30	-	-	-	22.71	76.96	0.00	22.71
41.35	-	-	-	22.86	76.03	0.00	22.86
41.40	-	-	-	23.00	75.11	0.00	23.00
41.45	-	-	-	23.15	74.18	0.00	23.15
41.50	-	-	-	23.30	73.26	0.00	23.30
41.55	-	-	-	23.45	72.33	0.00	23.45
41.60	-	-	-	23.59	71.41	0.00	23.59
41.65	-	-	-	23.74	70.48	0.00	23.74
41.70	-	-	-	23.89	69.56	0.00	23.89
41.75	-	-	-	24.04	68.63	0.00	24.04
41.80	-	-	-	24.18	67.71	0.00	24.18
41.85	-	-	-	24.33	66.78	0.00	24.33
41.90	-	-	-	24.48	65.86	0.00	24.48
41.95	-	-	-	24.62	64.93	0.00	24.62

42.00	-	-	-	24.77	64.01	0.00	24.77
42.05	-	-	-	24.92	63.08	0.00	24.92
42.10	-	-	-	25.06	62.16	0.00	25.06
42.15	-	-	-	25.21	61.23	0.00	25.21
42.20	-	-	-	25.35	60.31	0.00	25.35
42.25	-	-	-	25.50	59.38	0.00	25.50
42.30	-	-	-	25.65	58.46	0.00	25.65
42.35	-	-	-	25.79	57.53	0.00	25.79
42.40	-	-	-	25.94	56.61	0.00	25.94
42.45	-	-	-	26.08	55.68	0.00	26.08
42.50	-	-	-	26.23	54.76	0.00	26.23
42.55	-	-	-	26.37	53.83	0.00	26.37
42.60	-	-	-	26.52	52.91	0.00	26.52
42.65	-	-	-	26.66	51.98	0.00	26.66
42.70	-	-	-	26.81	51.06	0.00	26.81
42.75	-	-	-	26.95	50.13	0.00	26.95
42.80	-	-	-	27.10	49.21	0.00	27.10
42.85	-	-	-	27.24	48.28	0.00	27.24
42.90	-	-	-	27.39	47.36	0.00	27.39
42.95	-	-	-	27.53	46.43	0.00	27.53
43.00	-	-	-	27.68	45.51	0.00	27.68
43.05	-	-	-	27.82	44.58	0.00	27.82
43.10	-	-	-	27.97	43.66	0.00	27.97
43.15	-	-	-	28.11	42.73	0.00	28.11
43.20	-	-	-	28.25	41.81	0.00	28.25
43.25	-	-	-	28.40	40.88	0.00	28.40
43.30	-	-	-	28.54	39.96	0.00	28.54
43.35	-	-	-	28.69	39.03	0.00	28.69
43.40	-	-	-	28.83	38.11	0.00	28.83
43.45	-	-	-	28.97	37.18	0.00	28.97
43.50	-	-	-	29.12	36.26	0.00	29.12
43.55	-	-	-	29.26	35.33	0.00	29.26
43.60	-	-	-	29.19	34.41	0.00	29.19
43.65	-	-	-	29.12	33.48	0.00	29.12
43.70	-	-	-	29.05	32.56	0.00	29.05
43.75	-	-	-	28.98	31.63	0.00	28.98
43.80	-	-	-	28.90	30.71	0.00	28.90
43.85	-	-	-	28.82	29.78	0.00	28.82
43.90	-	-	-	28.73	28.86	0.00	28.73
43.95	-	-	-	28.64	27.93	0.00	28.64
44.00	-	-	-	28.54	27.01	0.00	28.54
44.05	-	-	-	28.44	26.08	0.00	28.44
44.10	-	-	-	28.33	25.16	0.00	28.33
44.15	-	-	-	28.22	24.23	0.00	28.22
44.20	-	-	-	28.09	23.31	0.00	28.09
44.25	-	-	-	27.96	22.38	0.00	27.96
44.30	-	-	-	27.81	21.46	0.00	27.81
44.35	-	-	-	27.66	20.53	0.00	27.66
44.40	-	-	-	27.49	19.61	0.00	27.49
44.45	-	-	-	27.31	18.68	0.00	27.31
44.50	-	-	-	27.11	17.76	0.00	27.11
44.55	-	-	-	26.90	16.83	0.00	26.90
44.60	-	-	-	26.67	15.91	0.00	26.67
44.65	-	-	-	26.41	14.98	0.00	26.41
44.70	-	-	-	26.15	14.06	0.00	26.15
44.75	-	-	-	25.86	13.13	0.00	25.86
44.80	-	-	-	25.56	12.21	0.00	25.56
44.85	-	-	-	25.25	11.28	0.00	25.25
44.90	-	-	-	24.95	10.36	0.00	24.95
44.95	-	-	-	24.66	9.43	0.00	24.66
45.00	-	-	-	24.42	8.51	0.00	24.42
45.05	-	-	-	24.41	8.50	0.00	24.41
45.10	-	-	-	24.40	8.50	0.00	24.40
45.15	-	-	-	24.39	8.50	0.00	24.39
45.20	-	-	-	24.39	8.50	0.00	24.39
45.25	-	-	-	24.38	8.50	0.00	24.38
45.30	-	-	-	24.37	8.50	0.00	24.37
45.35	-	-	-	24.36	8.50	0.00	24.36
45.40	-	-	-	24.35	8.50	0.00	24.35
45.45	-	-	-	24.35	8.50	0.00	24.35
45.50	-	-	-	24.34	8.50	0.00	24.34
45.55	-	-	-	24.33	8.50	0.00	24.33
45.60	-	-	-	24.32	8.50	0.00	24.32

45.65	-	-	-	24.31	8.50	0.00	24.31
45.70	-	-	-	24.30	8.50	0.00	24.30
45.75	-	-	-	24.30	8.50	0.00	24.30
45.80	-	-	-	24.29	8.50	0.00	24.29
45.85	-	-	-	24.28	8.50	0.00	24.28
45.90	-	-	-	24.27	8.50	0.00	24.27
45.95	-	-	-	24.26	8.50	0.00	24.26
46.00	-	-	-	24.26	8.50	0.00	24.26
46.05	-	-	-	24.25	8.50	0.00	24.25
46.10	-	-	-	24.24	8.50	0.00	24.24
46.15	-	-	-	24.23	8.50	0.00	24.23
46.20	-	-	-	24.22	8.50	0.00	24.22
46.25	-	-	-	24.21	8.50	0.00	24.21
46.30	-	-	-	24.21	8.50	0.00	24.21
46.35	-	-	-	24.20	8.50	0.00	24.20
46.40	-	-	-	24.19	8.50	0.00	24.19
46.45	-	-	-	24.18	8.50	0.00	24.18
46.50	-	-	-	24.17	8.50	0.00	24.17
46.55	-	-	-	24.17	8.50	0.00	24.17
46.60	-	-	-	24.16	8.50	0.00	24.16
46.65	-	-	-	24.15	8.50	0.00	24.15
46.70	-	-	-	24.14	8.50	0.00	24.14
46.75	-	-	-	24.13	8.50	0.00	24.13
46.80	-	-	-	24.12	8.50	0.00	24.12
46.85	-	-	-	24.12	8.50	0.00	24.12
46.90	-	-	-	24.11	8.50	0.00	24.11
46.95	-	-	-	24.10	8.50	0.00	24.10
47.00	-	-	-	24.09	8.50	0.00	24.09
47.05	-	-	-	24.08	8.50	0.00	24.08
47.10	-	-	-	24.07	8.50	0.00	24.07
47.15	-	-	-	24.07	8.50	0.00	24.07
47.20	-	-	-	24.06	8.50	0.00	24.06
47.25	-	-	-	24.05	8.50	0.00	24.05
47.30	-	-	-	24.04	8.50	0.00	24.04
47.35	-	-	-	24.03	8.50	0.00	24.03
47.40	-	-	-	24.03	8.50	0.00	24.03
47.45	-	-	-	24.02	8.50	0.00	24.02
47.50	-	-	-	24.01	8.50	0.00	24.01
47.55	-	-	-	24.00	8.50	0.00	24.00
47.60	-	-	-	23.99	8.50	0.00	23.99
47.65	-	-	-	23.98	8.50	0.00	23.98
47.70	-	-	-	23.98	8.50	0.00	23.98
47.75	-	-	-	23.97	8.50	0.00	23.97
47.80	-	-	-	23.96	8.50	0.00	23.96
47.85	-	-	-	23.95	8.50	0.00	23.95
47.90	-	-	-	23.94	8.50	0.00	23.94
47.95	-	-	-	23.93	8.50	0.00	23.93
48.00	-	-	-	23.93	8.50	0.00	23.93
48.05	-	-	-	23.92	8.50	0.00	23.92
48.10	-	-	-	23.91	8.50	0.00	23.91
48.15	-	-	-	23.90	8.50	0.00	23.90
48.20	-	-	-	23.89	8.50	0.00	23.89
48.25	-	-	-	23.88	8.50	0.00	23.88
48.30	-	-	-	23.88	8.50	0.00	23.88
48.35	-	-	-	23.87	8.50	0.00	23.87
48.40	-	-	-	23.86	8.50	0.00	23.86
48.45	-	-	-	23.85	8.50	0.00	23.85
48.50	-	-	-	23.84	8.50	0.00	23.84
48.55	-	-	-	23.83	8.50	0.00	23.83
48.60	-	-	-	23.83	8.50	0.00	23.83
48.65	-	-	-	23.82	8.50	0.00	23.82
48.70	-	-	-	23.81	8.50	0.00	23.81
48.75	-	-	-	23.80	8.50	0.00	23.80
48.80	-	-	-	23.79	8.50	0.00	23.79
48.85	-	-	-	23.78	8.50	0.00	23.78
48.90	-	-	-	23.78	8.50	0.00	23.78
48.95	-	-	-	23.77	8.50	0.00	23.77
49.00	-	-	-	23.76	8.50	0.00	23.76
49.05	-	-	-	23.75	8.50	0.00	23.75
49.10	-	-	-	23.74	8.50	0.00	23.74
49.15	-	-	-	23.73	8.50	0.00	23.73
49.20	-	-	-	23.73	8.50	0.00	23.73
49.25	-	-	-	23.72	8.50	0.00	23.72

49.30	-	-	-	23.71	8.50	0.00	23.71
49.35	-	-	-	23.70	8.50	0.00	23.70
49.40	-	-	-	23.69	8.50	0.00	23.69
49.45	-	-	-	23.68	8.50	0.00	23.68
49.50	-	-	-	23.68	8.50	0.00	23.68
49.55	-	-	-	23.67	8.50	0.00	23.67
49.60	-	-	-	23.66	8.50	0.00	23.66
49.65	-	-	-	23.65	8.50	0.00	23.65
49.70	-	-	-	23.64	8.50	0.00	23.64
49.75	-	-	-	23.63	8.50	0.00	23.63
49.80	-	-	-	23.63	8.50	0.00	23.63
49.85	-	-	-	23.62	8.50	0.00	23.62
49.90	-	-	-	23.61	8.50	0.00	23.61
49.95	-	-	-	23.60	8.50	0.00	23.60
50.00	-	-	-	23.59	8.50	0.00	23.59
50.05	-	-	-	23.95	8.50	0.00	23.95
50.10	-	-	-	24.31	8.50	0.00	24.31
50.15	-	-	-	24.67	8.50	0.00	24.67
50.20	-	-	-	25.03	8.50	0.00	25.03
50.25	-	-	-	25.38	8.50	0.00	25.38
50.30	-	-	-	25.74	8.50	0.00	25.74
50.35	-	-	-	26.10	8.50	0.00	26.10
50.40	-	-	-	26.46	8.50	0.00	26.46
50.45	-	-	-	26.82	8.50	0.00	26.82
50.50	-	-	-	27.17	8.50	0.00	27.17
50.55	-	-	-	27.53	8.50	0.00	27.53
50.60	-	-	-	27.89	8.50	0.00	27.89
50.65	-	-	-	28.24	8.50	0.00	28.24
50.70	-	-	-	28.60	8.50	0.00	28.60
50.75	-	-	-	28.96	8.50	0.00	28.96
50.80	-	-	-	29.31	8.50	0.00	29.31
50.85	-	-	-	29.67	8.50	0.00	29.67
50.90	-	-	-	30.02	8.50	0.00	30.02
50.95	-	-	-	30.38	8.50	0.00	30.38
51.00	-	-	-	30.73	8.50	0.00	30.73
51.05	-	-	-	31.09	8.50	0.00	31.09
51.10	-	-	-	31.44	8.50	0.00	31.44
51.15	-	-	-	31.80	8.50	0.00	31.80
51.20	-	-	-	32.15	8.50	0.00	32.15
51.25	-	-	-	32.50	8.50	0.00	32.50
51.30	-	-	-	32.86	8.50	0.00	32.86
51.35	-	-	-	33.21	8.50	0.00	33.21
51.40	-	-	-	33.56	8.50	0.00	33.56
51.45	-	-	-	33.92	8.50	0.00	33.92
51.50	-	-	-	34.27	8.50	0.00	34.27
51.55	-	-	-	34.62	8.50	0.00	34.62
51.60	-	-	-	34.97	8.50	0.00	34.97
51.65	-	-	-	35.32	8.50	0.00	35.32
51.70	-	-	-	35.67	8.50	0.00	35.67
51.75	-	-	-	36.03	8.50	0.00	36.03
51.80	-	-	-	36.38	8.50	0.00	36.38
51.85	-	-	-	36.73	8.50	0.00	36.73
51.90	-	-	-	37.08	8.50	0.00	37.08
51.95	-	-	-	37.43	8.50	0.00	37.43
52.00	-	-	-	37.78	8.50	0.00	37.78
52.05	-	-	-	38.13	8.50	0.00	38.13
52.10	-	-	-	38.48	8.50	0.00	38.48
52.15	-	-	-	38.83	8.50	0.00	38.83
52.20	-	-	-	39.18	8.50	0.00	39.18
52.25	-	-	-	39.52	8.50	0.00	39.52
52.30	-	-	-	39.87	8.50	0.00	39.87
52.35	-	-	-	40.22	8.50	0.00	40.22
52.40	-	-	-	40.57	8.50	0.00	40.57
52.45	-	-	-	40.92	8.50	0.00	40.92
52.50	-	-	-	41.26	8.50	0.00	41.26
52.55	-	-	-	41.61	8.50	0.00	41.61
52.60	-	-	-	41.96	8.50	0.00	41.96
52.65	-	-	-	42.31	8.50	0.00	42.31
52.70	-	-	-	42.65	8.50	0.00	42.65
52.75	-	-	-	43.00	8.50	0.00	43.00
52.80	-	-	-	43.35	8.50	0.00	43.35
52.85	-	-	-	43.69	8.50	0.00	43.69
52.90	-	-	-	44.04	8.50	0.00	44.04

52.95	-	-	-	44.38	8.50	0.00	44.38
53.00	-	-	-	44.73	8.50	0.00	44.73
53.05	-	-	-	45.07	8.50	0.00	45.07
53.10	-	-	-	45.42	8.50	0.00	45.42
53.15	-	-	-	45.76	8.50	0.00	45.76
53.20	-	-	-	46.11	8.50	0.00	46.11
53.25	-	-	-	46.45	8.50	0.00	46.45
53.30	-	-	-	46.80	8.50	0.00	46.80
53.35	-	-	-	47.14	8.50	0.00	47.14
53.40	-	-	-	47.48	8.50	0.00	47.48
53.45	-	-	-	47.83	8.50	0.00	47.83
53.50	-	-	-	48.17	8.50	0.00	48.17
53.55	-	-	-	48.51	8.50	0.00	48.51
53.60	-	-	-	48.85	8.50	0.00	48.85
53.65	-	-	-	49.20	8.50	0.00	49.20
53.70	-	-	-	49.54	8.50	0.00	49.54
53.75	-	-	-	49.88	8.50	0.00	49.88
53.80	-	-	-	50.22	8.50	0.00	50.22
53.85	-	-	-	50.56	8.50	0.00	50.56
53.90	-	-	-	50.91	8.50	0.00	50.91
53.95	-	-	-	51.25	8.50	0.00	51.25
54.00	-	-	-	51.59	8.50	0.00	51.59
54.05	-	-	-	51.93	8.50	0.00	51.93
54.10	-	-	-	52.27	8.50	0.00	52.27
54.15	-	-	-	52.61	8.50	0.00	52.61
54.20	-	-	-	52.95	8.50	0.00	52.95
54.25	-	-	-	53.29	8.50	0.00	53.29
54.30	-	-	-	53.63	8.50	0.00	53.63
54.35	-	-	-	53.97	8.50	0.00	53.97
54.40	-	-	-	54.31	8.50	0.00	54.31
54.45	-	-	-	54.64	8.50	0.00	54.64
54.50	-	-	-	54.98	8.50	0.00	54.98
54.55	-	-	-	55.32	8.50	0.00	55.32
54.60	-	-	-	55.66	8.50	0.00	55.66
54.65	-	-	-	56.00	8.50	0.00	56.00
54.70	-	-	-	56.34	8.50	0.00	56.34
54.75	-	-	-	56.67	8.50	0.00	56.67
54.80	-	-	-	57.01	8.50	0.00	57.01
54.85	-	-	-	57.35	8.50	0.00	57.35
54.90	-	-	-	57.68	8.50	0.00	57.68
54.95	-	-	-	58.02	8.50	0.00	58.02
55.00	-	-	-	58.36	8.50	0.00	58.36
55.05	-	-	-	58.62	9.02	0.00	58.62
55.10	-	-	-	58.89	9.54	0.00	58.89
55.15	-	-	-	59.18	10.07	0.00	59.18
55.20	-	-	-	59.49	10.59	0.00	59.49
55.25	-	-	-	59.79	11.11	0.00	59.79
55.30	-	-	-	60.11	11.64	0.00	60.11
55.35	-	-	-	60.42	12.16	0.00	60.42
55.40	-	-	-	60.74	12.69	0.00	60.74
55.45	-	-	-	61.05	13.21	0.00	61.05
55.50	-	-	-	61.36	13.73	0.00	61.36
55.55	-	-	-	61.67	14.26	0.00	61.67
55.60	-	-	-	61.97	14.78	0.00	61.97
55.65	-	-	-	62.27	15.31	0.00	62.27
55.70	-	-	-	62.57	15.83	0.00	62.57
55.75	-	-	-	62.86	16.35	0.00	62.86
55.80	-	-	-	63.15	16.88	0.00	63.15
55.85	-	-	-	63.44	17.40	0.00	63.44
55.90	-	-	-	63.72	17.93	0.00	63.72
55.95	-	-	-	64.00	18.45	0.00	64.00
56.00	-	-	-	64.27	18.97	0.00	64.27
56.05	-	-	-	64.54	19.50	0.00	64.54
56.10	-	-	-	64.81	20.02	0.00	64.81
56.15	-	-	-	65.08	20.55	0.00	65.08
56.20	-	-	-	65.35	21.07	0.00	65.35
56.25	-	-	-	65.61	21.59	0.00	65.61
56.30	-	-	-	65.87	22.12	0.00	65.87
56.35	-	-	-	66.13	22.64	0.00	66.13
56.40	-	-	-	66.39	23.17	0.00	66.39
56.45	-	-	-	66.65	23.69	0.00	66.65
56.50	-	-	-	66.91	24.21	0.00	66.91
56.55	-	-	-	67.16	24.74	0.00	67.16

56.60	-	-	-	67.42	25.26	0.00	67.42
56.65	-	-	-	67.68	25.79	0.00	67.68
56.70	-	-	-	67.93	26.31	0.00	67.93
56.75	-	-	-	68.19	26.83	0.00	68.19
56.80	-	-	-	68.44	27.36	0.00	68.44
56.85	-	-	-	68.69	27.88	0.00	68.69
56.90	-	-	-	68.95	28.41	0.00	68.95
56.95	-	-	-	69.20	28.93	0.00	69.20
57.00	-	-	-	69.46	29.45	0.00	69.46
57.05	-	-	-	69.71	29.98	0.00	69.71
57.10	-	-	-	69.97	30.50	0.00	69.97
57.15	-	-	-	70.23	31.03	0.00	70.23
57.20	-	-	-	70.48	31.55	0.00	70.48
57.25	-	-	-	70.74	32.07	0.00	70.74
57.30	-	-	-	71.00	32.60	0.00	71.00
57.35	-	-	-	71.26	33.12	0.00	71.26
57.40	-	-	-	71.52	33.65	0.00	71.52
57.45	-	-	-	71.78	34.17	0.00	71.78
57.50	-	-	-	72.04	34.69	0.00	72.04
57.55	-	-	-	72.37	35.22	0.00	72.37
57.60	-	-	-	72.35	35.74	0.00	72.35
57.65	-	-	-	72.32	36.27	0.00	72.32
57.70	-	-	-	72.30	36.79	0.00	72.30
57.75	-	-	-	72.28	37.31	0.00	72.28
57.80	-	-	-	72.26	37.84	0.00	72.26
57.85	-	-	-	72.23	38.36	0.00	72.23
57.90	-	-	-	72.21	38.89	0.00	72.21
57.95	-	-	-	72.19	39.41	0.00	72.19
58.00	-	-	-	72.17	39.93	0.00	72.17
58.05	-	-	-	72.14	40.46	0.00	72.14
58.10	-	-	-	72.12	40.98	0.00	72.12
58.15	-	-	-	72.10	41.51	0.00	72.10
58.20	-	-	-	72.08	42.03	0.00	72.08
58.25	-	-	-	72.06	42.55	0.00	72.06
58.30	-	-	-	72.03	43.08	0.00	72.03
58.35	-	-	-	72.01	43.60	0.00	72.01
58.40	-	-	-	71.99	44.13	0.00	71.99
58.45	-	-	-	71.97	44.65	0.00	71.97
58.50	-	-	-	71.94	45.17	0.00	71.94
58.55	-	-	-	71.92	45.70	0.00	71.92
58.60	-	-	-	71.90	46.22	0.00	71.90
58.65	-	-	-	71.88	46.75	0.00	71.88
58.70	-	-	-	71.85	47.27	0.00	71.85
58.75	-	-	-	71.83	47.79	0.00	71.83
58.80	-	-	-	71.81	48.32	0.00	71.81
58.85	-	-	-	71.79	48.84	0.00	71.79
58.90	-	-	-	71.77	49.37	0.00	71.77
58.95	-	-	-	71.74	49.89	0.00	71.74
59.00	-	-	-	71.72	50.41	0.00	71.72
59.05	-	-	-	71.70	50.94	0.00	71.70
59.10	-	-	-	71.68	51.46	0.00	71.68
59.15	-	-	-	71.65	51.99	0.00	71.65
59.20	-	-	-	71.63	52.51	0.00	71.63
59.25	-	-	-	71.61	53.03	0.00	71.61
59.30	-	-	-	71.59	53.56	0.00	71.59
59.35	-	-	-	71.57	54.08	0.00	71.57
59.40	-	-	-	71.54	54.61	0.00	71.54
59.45	-	-	-	71.52	55.13	0.00	71.52
59.50	-	-	-	71.50	55.65	0.00	71.50
59.55	-	-	-	71.48	56.18	0.00	71.48
59.60	-	-	-	71.45	56.70	0.00	71.45
59.65	-	-	-	71.43	57.23	0.00	71.43
59.70	-	-	-	71.41	57.75	0.00	71.41
59.75	-	-	-	71.39	58.27	0.00	71.39
59.80	-	-	-	71.37	58.80	0.00	71.37
59.85	-	-	-	71.34	59.32	0.00	71.34
59.90	-	-	-	71.32	59.85	0.00	71.32
59.95	-	-	-	71.30	60.37	0.00	71.30
60.00	-	-	-	71.28	60.89	0.00	71.28
60.05	-	-	-	71.18	60.90	0.00	71.18
60.10	-	-	-	71.08	60.90	0.00	71.08
60.15	-	-	-	70.99	60.90	0.00	70.99
60.20	-	-	-	70.89	60.90	0.00	70.89

60.25	-	-	-	70.79	60.90	0.00	70.79
60.30	-	-	-	70.70	60.90	0.00	70.70
60.35	-	-	-	70.60	60.90	0.00	70.60
60.40	-	-	-	70.50	60.90	0.00	70.50
60.45	-	-	-	70.41	60.90	0.00	70.41
60.50	-	-	-	70.31	60.90	0.00	70.31
60.55	-	-	-	70.21	60.90	0.00	70.21
60.60	-	-	-	70.12	60.90	0.00	70.12
60.65	-	-	-	70.02	60.90	0.00	70.02
60.70	-	-	-	69.93	60.90	0.00	69.93
60.75	-	-	-	69.83	60.90	0.00	69.83
60.80	-	-	-	69.73	60.90	0.00	69.73
60.85	-	-	-	69.64	60.90	0.00	69.64
60.90	-	-	-	69.54	60.90	0.00	69.54
60.95	-	-	-	69.45	60.90	0.00	69.45
61.00	-	-	-	69.35	60.90	0.00	69.35
61.05	-	-	-	69.26	60.90	0.00	69.26
61.10	-	-	-	69.16	60.90	0.00	69.16
61.15	-	-	-	69.07	60.90	0.00	69.07
61.20	-	-	-	68.97	60.90	0.00	68.97
61.25	-	-	-	68.88	60.90	0.00	68.88
61.30	-	-	-	68.78	60.90	0.00	68.78
61.35	-	-	-	68.69	60.90	0.00	68.69
61.40	-	-	-	68.60	60.90	0.00	68.60
61.45	-	-	-	68.50	60.90	0.00	68.50
61.50	-	-	-	68.41	60.90	0.00	68.41
61.55	-	-	-	68.31	60.90	0.00	68.31
61.60	-	-	-	68.22	60.90	0.00	68.22
61.65	-	-	-	68.13	60.90	0.00	68.13
61.70	-	-	-	68.03	60.90	0.00	68.03
61.75	-	-	-	67.94	60.90	0.00	67.94
61.80	-	-	-	67.85	60.90	0.00	67.85
61.85	-	-	-	67.75	60.90	0.00	67.75
61.90	-	-	-	67.66	60.90	0.00	67.66
61.95	-	-	-	67.57	60.90	0.00	67.57
62.00	-	-	-	67.47	60.90	0.00	67.47
62.05	-	-	-	67.38	60.90	0.00	67.38
62.10	-	-	-	67.29	60.90	0.00	67.29
62.15	-	-	-	67.20	60.90	0.00	67.20
62.20	-	-	-	67.10	60.90	0.00	67.10
62.25	-	-	-	67.01	60.90	0.00	67.01
62.30	-	-	-	66.92	60.90	0.00	66.92
62.35	-	-	-	66.83	60.90	0.00	66.83
62.40	-	-	-	66.73	60.90	0.00	66.73
62.45	-	-	-	66.64	60.90	0.00	66.64
62.50	-	-	-	66.55	60.90	0.00	66.55
62.55	-	-	-	66.46	60.90	0.00	66.46
62.60	-	-	-	66.37	60.90	0.00	66.37
62.65	-	-	-	66.28	60.90	0.00	66.28
62.70	-	-	-	66.18	60.90	0.00	66.18
62.75	-	-	-	66.09	60.90	0.00	66.09
62.80	-	-	-	66.00	60.90	0.00	66.00
62.85	-	-	-	65.91	60.90	0.00	65.91
62.90	-	-	-	65.82	60.90	0.00	65.82
62.95	-	-	-	65.73	60.90	0.00	65.73
63.00	-	-	-	65.64	60.90	0.00	65.64
63.05	-	-	-	65.55	60.90	0.00	65.55
63.10	-	-	-	65.46	60.90	0.00	65.46
63.15	-	-	-	65.37	60.90	0.00	65.37
63.20	-	-	-	65.27	60.90	0.00	65.27
63.25	-	-	-	65.18	60.90	0.00	65.18
63.30	-	-	-	65.09	60.90	0.00	65.09
63.35	-	-	-	65.00	60.90	0.00	65.00
63.40	-	-	-	64.91	60.90	0.00	64.91
63.45	-	-	-	64.82	60.90	0.00	64.82
63.50	-	-	-	64.73	60.90	0.00	64.73
63.55	-	-	-	64.64	60.90	0.00	64.64
63.60	-	-	-	64.55	60.90	0.00	64.55
63.65	-	-	-	64.47	60.90	0.00	64.47
63.70	-	-	-	64.38	60.90	0.00	64.38
63.75	-	-	-	64.29	60.90	0.00	64.29
63.80	-	-	-	64.20	60.90	0.00	64.20
63.85	-	-	-	64.11	60.90	0.00	64.11

63.90	-	-	-	64.02	60.90	0.00	64.02
63.95	-	-	-	63.93	60.90	0.00	63.93
64.00	-	-	-	63.84	60.90	0.00	63.84
64.05	-	-	-	63.75	60.90	0.00	63.75
64.10	-	-	-	63.66	60.90	0.00	63.66
64.15	-	-	-	63.57	60.90	0.00	63.57
64.20	-	-	-	63.49	60.90	0.00	63.49
64.25	-	-	-	63.40	60.90	0.00	63.40
64.30	-	-	-	63.31	60.90	0.00	63.31
64.35	-	-	-	63.22	60.90	0.00	63.22
64.40	-	-	-	63.13	60.90	0.00	63.13
64.45	-	-	-	63.04	60.90	0.00	63.04
64.50	-	-	-	62.96	60.90	0.00	62.96
64.55	-	-	-	62.87	60.90	0.00	62.87
64.60	-	-	-	62.78	60.90	0.00	62.78
64.65	-	-	-	62.69	60.90	0.00	62.69
64.70	-	-	-	62.61	60.90	0.00	62.61
64.75	-	-	-	62.52	60.90	0.00	62.52
64.80	-	-	-	62.43	60.90	0.00	62.43
64.85	-	-	-	62.34	60.90	0.00	62.34
64.90	-	-	-	62.26	60.90	0.00	62.26
64.95	-	-	-	62.17	60.90	0.00	62.17
65.00	-	-	-	62.08	60.90	0.00	62.08
65.05	-	-	-	62.07	60.90	0.00	62.07
65.10	-	-	-	62.05	60.90	0.00	62.05
65.15	-	-	-	62.04	60.90	0.00	62.04
65.20	-	-	-	62.03	60.90	0.00	62.03
65.25	-	-	-	62.01	60.90	0.00	62.01
65.30	-	-	-	62.00	60.90	0.00	62.00
65.35	-	-	-	61.98	60.90	0.00	61.98
65.40	-	-	-	61.97	60.90	0.00	61.97
65.45	-	-	-	61.96	60.90	0.00	61.96
65.50	-	-	-	61.94	60.90	0.00	61.94
65.55	-	-	-	61.93	60.90	0.00	61.93
65.60	-	-	-	61.92	60.90	0.00	61.92
65.65	-	-	-	61.90	60.90	0.00	61.90
65.70	-	-	-	61.89	60.90	0.00	61.89
65.75	-	-	-	61.88	60.90	0.00	61.88
65.80	-	-	-	61.86	60.90	0.00	61.86
65.85	-	-	-	61.85	60.90	0.00	61.85
65.90	-	-	-	61.83	60.90	0.00	61.83
65.95	-	-	-	61.82	60.90	0.00	61.82
66.00	-	-	-	61.81	60.90	0.00	61.81
66.05	-	-	-	61.79	60.90	0.00	61.79
66.10	-	-	-	61.78	60.90	0.00	61.78
66.15	-	-	-	61.77	60.90	0.00	61.77
66.20	-	-	-	61.75	60.90	0.00	61.75
66.25	-	-	-	61.74	60.90	0.00	61.74
66.30	-	-	-	61.73	60.90	0.00	61.73
66.35	-	-	-	61.71	60.90	0.00	61.71
66.40	-	-	-	61.70	60.90	0.00	61.70
66.45	-	-	-	61.69	60.90	0.00	61.69
66.50	-	-	-	61.67	60.90	0.00	61.67
66.55	-	-	-	61.66	60.90	0.00	61.66
66.60	-	-	-	61.65	60.90	0.00	61.65
66.65	-	-	-	61.63	60.90	0.00	61.63
66.70	-	-	-	61.62	60.90	0.00	61.62
66.75	-	-	-	61.61	60.90	0.00	61.61
66.80	-	-	-	61.59	60.90	0.00	61.59
66.85	-	-	-	61.58	60.90	0.00	61.58
66.90	-	-	-	61.57	60.90	0.00	61.57
66.95	-	-	-	61.55	60.90	0.00	61.55
67.00	-	-	-	61.54	60.90	0.00	61.54
67.05	-	-	-	61.53	60.90	0.00	61.53
67.10	-	-	-	61.51	60.90	0.00	61.51
67.15	-	-	-	61.50	60.90	0.00	61.50
67.20	-	-	-	61.49	60.90	0.00	61.49
67.25	-	-	-	61.47	60.90	0.00	61.47
67.30	-	-	-	61.46	60.90	0.00	61.46
67.35	-	-	-	61.45	60.90	0.00	61.45
67.40	-	-	-	61.43	60.90	0.00	61.43
67.45	-	-	-	61.42	60.90	0.00	61.42
67.50	-	-	-	61.41	60.90	0.00	61.41

67.55	-	-	-	61.39	60.90	0.00	61.39
67.60	-	-	-	61.38	60.90	0.00	61.38
67.65	-	-	-	61.37	60.90	0.00	61.37
67.70	-	-	-	61.36	60.90	0.00	61.36
67.75	-	-	-	61.34	60.90	0.00	61.34
67.80	-	-	-	61.33	60.90	0.00	61.33
67.85	-	-	-	61.32	60.90	0.00	61.32
67.90	-	-	-	61.30	60.90	0.00	61.30
67.95	-	-	-	61.29	60.90	0.00	61.29
68.00	-	-	-	61.28	60.90	0.00	61.28
68.05	-	-	-	61.26	60.90	0.00	61.26
68.10	-	-	-	61.25	60.90	0.00	61.25
68.15	-	-	-	61.24	60.90	0.00	61.24
68.20	-	-	-	61.23	60.90	0.00	61.23
68.25	-	-	-	61.21	60.90	0.00	61.21
68.30	-	-	-	61.20	60.90	0.00	61.20
68.35	-	-	-	61.19	60.90	0.00	61.19
68.40	-	-	-	61.17	60.90	0.00	61.17
68.45	-	-	-	61.16	60.90	0.00	61.16
68.50	-	-	-	61.15	60.90	0.00	61.15
68.55	-	-	-	61.14	60.90	0.00	61.14
68.60	-	-	-	61.12	60.90	0.00	61.12
68.65	-	-	-	61.11	60.90	0.00	61.11
68.70	-	-	-	61.10	60.90	0.00	61.10
68.75	-	-	-	61.08	60.90	0.00	61.08
68.80	-	-	-	61.07	60.90	0.00	61.07
68.85	-	-	-	61.06	60.90	0.00	61.06
68.90	-	-	-	61.05	60.90	0.00	61.05
68.95	-	-	-	61.03	60.90	0.00	61.03
69.00	-	-	-	61.02	60.90	0.00	61.02
69.05	-	-	-	61.01	60.90	0.00	61.01
69.10	-	-	-	60.99	60.90	0.00	60.99
69.15	-	-	-	60.98	60.90	0.00	60.98
69.20	-	-	-	60.97	60.90	0.00	60.97
69.25	-	-	-	60.96	60.90	0.00	60.96
69.30	-	-	-	60.94	60.90	0.00	60.94
69.35	-	-	-	60.93	60.90	0.00	60.93
69.40	-	-	-	60.92	60.90	0.00	60.92
69.45	-	-	-	60.91	60.90	0.00	60.91
69.50	-	-	-	60.89	60.90	0.00	60.89
69.55	-	-	-	60.88	60.90	0.00	60.88
69.60	-	-	-	60.87	60.90	0.00	60.87
69.65	-	-	-	60.86	60.90	0.00	60.86
69.70	-	-	-	60.84	60.90	0.00	60.84
69.75	-	-	-	60.83	60.90	0.00	60.83
69.80	-	-	-	60.82	60.90	0.00	60.82
69.85	-	-	-	60.81	60.90	0.00	60.81
69.90	-	-	-	60.79	60.90	0.00	60.79
69.95	-	-	-	60.78	60.90	0.00	60.78
70.00	-	-	-	60.77	60.90	0.00	60.77
70.05	-	-	-	60.76	60.90	0.00	60.76
70.10	-	-	-	60.74	60.90	0.00	60.74
70.15	-	-	-	60.73	60.90	0.00	60.73
70.20	-	-	-	60.72	60.90	0.00	60.72
70.25	-	-	-	60.71	60.90	0.00	60.71
70.30	-	-	-	60.69	60.90	0.00	60.69
70.35	-	-	-	60.68	60.90	0.00	60.68
70.40	-	-	-	60.67	60.90	0.00	60.67
70.45	-	-	-	60.66	60.90	0.00	60.66
70.50	-	-	-	60.65	60.90	0.00	60.65
70.55	-	-	-	60.63	60.90	0.00	60.63
70.60	-	-	-	60.62	60.90	0.00	60.62
70.65	-	-	-	60.61	60.90	0.00	60.61
70.70	-	-	-	60.60	60.90	0.00	60.60
70.75	-	-	-	60.58	60.90	0.00	60.58
70.80	-	-	-	60.57	60.90	0.00	60.57
70.85	-	-	-	60.56	60.90	0.00	60.56
70.90	-	-	-	60.55	60.90	0.00	60.55
70.95	-	-	-	60.54	60.90	0.00	60.54
71.00	-	-	-	60.52	60.90	0.00	60.52
71.05	-	-	-	60.51	60.90	0.00	60.51
71.10	-	-	-	60.50	60.90	0.00	60.50
71.15	-	-	-	60.49	60.90	0.00	60.49

71.20	-	-	-	60.48	60.90	0.00	60.48
71.25	-	-	-	60.46	60.90	0.00	60.46
71.30	-	-	-	60.45	60.90	0.00	60.45
71.35	-	-	-	60.44	60.90	0.00	60.44
71.40	-	-	-	60.43	60.90	0.00	60.43
71.45	-	-	-	60.42	60.90	0.00	60.42
71.50	-	-	-	60.40	60.90	0.00	60.40
71.55	-	-	-	60.39	60.90	0.00	60.39
71.60	-	-	-	60.38	60.90	0.00	60.38
71.65	-	-	-	60.37	60.90	0.00	60.37
71.70	-	-	-	60.36	60.90	0.00	60.36
71.75	-	-	-	60.34	60.90	0.00	60.34
71.80	-	-	-	60.33	60.90	0.00	60.33
71.85	-	-	-	60.32	60.90	0.00	60.32
71.90	-	-	-	60.31	60.90	0.00	60.31
71.95	-	-	-	60.30	60.90	0.00	60.30
72.00	-	-	-	60.29	60.90	0.00	60.29
72.05	-	-	-	60.27	60.90	0.00	60.27
72.10	-	-	-	60.26	60.90	0.00	60.26
72.15	-	-	-	60.25	60.90	0.00	60.25
72.20	-	-	-	60.24	60.90	0.00	60.24
72.25	-	-	-	60.23	60.90	0.00	60.23
72.30	-	-	-	60.21	60.90	0.00	60.21
72.35	-	-	-	60.20	60.90	0.00	60.20
72.40	-	-	-	60.19	60.90	0.00	60.19
72.45	-	-	-	60.18	60.90	0.00	60.18
72.50	-	-	-	60.17	60.90	0.00	60.17
72.55	-	-	-	60.16	60.90	0.00	60.16
72.60	-	-	-	60.14	60.90	0.00	60.14
72.65	-	-	-	60.13	60.90	0.00	60.13
72.70	-	-	-	60.12	60.90	0.00	60.12
72.75	-	-	-	60.11	60.90	0.00	60.11
72.80	-	-	-	60.10	60.90	0.00	60.10
72.85	-	-	-	60.09	60.90	0.00	60.09
72.90	-	-	-	60.08	60.90	0.00	60.08
72.95	-	-	-	60.06	60.90	0.00	60.06
73.00	-	-	-	60.05	60.90	0.00	60.05
73.05	-	-	-	60.04	60.90	0.00	60.04
73.10	-	-	-	60.03	60.90	0.00	60.03
73.15	-	-	-	60.02	60.90	0.00	60.02
73.20	-	-	-	60.01	60.90	0.00	60.01
73.25	-	-	-	60.00	60.90	0.00	60.00
73.30	-	-	-	59.98	60.90	0.00	59.98
73.35	-	-	-	59.97	60.90	0.00	59.97
73.40	-	-	-	59.96	60.90	0.00	59.96
73.45	-	-	-	59.95	60.90	0.00	59.95
73.50	-	-	-	59.94	60.90	0.00	59.94
73.55	-	-	-	59.93	60.90	0.00	59.93
73.60	-	-	-	59.92	60.90	0.00	59.92
73.65	-	-	-	59.90	60.90	0.00	59.90
73.70	-	-	-	59.89	60.90	0.00	59.89
73.75	-	-	-	59.88	60.90	0.00	59.88
73.80	-	-	-	59.87	60.90	0.00	59.87
73.85	-	-	-	59.86	60.90	0.00	59.86
73.90	-	-	-	59.85	60.90	0.00	59.85
73.95	-	-	-	59.84	60.90	0.00	59.84
74.00	-	-	-	59.83	60.90	0.00	59.83
74.05	-	-	-	59.82	60.90	0.00	59.82
74.10	-	-	-	59.80	60.90	0.00	59.80
74.15	-	-	-	59.79	60.90	0.00	59.79
74.20	-	-	-	59.78	60.90	0.00	59.78
74.25	-	-	-	59.77	60.90	0.00	59.77
74.30	-	-	-	59.76	60.90	0.00	59.76
74.35	-	-	-	59.75	60.90	0.00	59.75
74.40	-	-	-	59.74	60.90	0.00	59.74
74.45	-	-	-	59.73	60.90	0.00	59.73
74.50	-	-	-	59.72	60.90	0.00	59.72
74.55	-	-	-	59.70	60.90	0.00	59.70
74.60	-	-	-	59.69	60.90	0.00	59.69
74.65	-	-	-	59.68	60.90	0.00	59.68
74.70	-	-	-	59.67	60.90	0.00	59.67
74.75	-	-	-	59.66	60.90	0.00	59.66
74.80	-	-	-	59.65	60.90	0.00	59.65

74.85	-	-	-	59.64	60.90	0.00	59.64
74.90	-	-	-	59.63	60.90	0.00	59.63
74.95	-	-	-	59.62	60.90	0.00	59.62
75.00	-	-	-	59.61	60.90	0.00	59.61

(N1)60s has been fines corrected in liquefaction analysis, therefore d(N1)60=0.
Fines=NoLiq means the soils are not liquefiable.

Settlement of Saturated Sands:
Settlement Analysis Method: Tokimatsu, M-correction

Depth ft	CSRsf	/ MSF*	=CSRm	F.S.	Fines %	(N1)60s	Dr %	ec %	dsz in.	dsp in.	S in.
74.95	0.43	1.32	0.32	1.38	60.90	59.62	100.00	0.000	0.0E0	0.000	0.000
74.90	0.43	1.32	0.32	1.38	60.90	59.63	100.00	0.000	0.0E0	0.000	0.000
74.85	0.43	1.32	0.32	1.37	60.90	59.64	100.00	0.000	0.0E0	0.000	0.000
74.80	0.43	1.32	0.32	1.37	60.90	59.65	100.00	0.000	0.0E0	0.000	0.000
74.75	0.43	1.32	0.32	1.37	60.90	59.66	100.00	0.000	0.0E0	0.000	0.000
74.70	0.43	1.32	0.32	1.37	60.90	59.67	100.00	0.000	0.0E0	0.000	0.000
74.65	0.43	1.32	0.32	1.37	60.90	59.68	100.00	0.000	0.0E0	0.000	0.000
74.60	0.43	1.32	0.33	1.37	60.90	59.69	100.00	0.000	0.0E0	0.000	0.000
74.55	0.43	1.32	0.33	1.37	60.90	59.70	100.00	0.000	0.0E0	0.000	0.000
74.50	0.43	1.32	0.33	1.37	60.90	59.72	100.00	0.000	0.0E0	0.000	0.000
74.45	0.43	1.32	0.33	1.37	60.90	59.73	100.00	0.000	0.0E0	0.000	0.000
74.40	0.43	1.32	0.33	1.37	60.90	59.74	100.00	0.000	0.0E0	0.000	0.000
74.35	0.43	1.32	0.33	1.37	60.90	59.75	100.00	0.000	0.0E0	0.000	0.000
74.30	0.43	1.32	0.33	1.37	60.90	59.76	100.00	0.000	0.0E0	0.000	0.000
74.25	0.43	1.32	0.33	1.37	60.90	59.77	100.00	0.000	0.0E0	0.000	0.000
74.20	0.43	1.32	0.33	1.37	60.90	59.78	100.00	0.000	0.0E0	0.000	0.000
74.15	0.43	1.32	0.33	1.36	60.90	59.79	100.00	0.000	0.0E0	0.000	0.000
74.10	0.43	1.32	0.33	1.36	60.90	59.80	100.00	0.000	0.0E0	0.000	0.000
74.05	0.43	1.32	0.33	1.36	60.90	59.82	100.00	0.000	0.0E0	0.000	0.000
74.00	0.43	1.32	0.33	1.36	60.90	59.83	100.00	0.000	0.0E0	0.000	0.000
73.95	0.43	1.32	0.33	1.36	60.90	59.84	100.00	0.000	0.0E0	0.000	0.000
73.90	0.43	1.32	0.33	1.36	60.90	59.85	100.00	0.000	0.0E0	0.000	0.000
73.85	0.43	1.32	0.33	1.36	60.90	59.86	100.00	0.000	0.0E0	0.000	0.000
73.80	0.43	1.32	0.33	1.36	60.90	59.87	100.00	0.000	0.0E0	0.000	0.000
73.75	0.43	1.32	0.33	1.36	60.90	59.88	100.00	0.000	0.0E0	0.000	0.000
73.70	0.43	1.32	0.33	1.36	60.90	59.89	100.00	0.000	0.0E0	0.000	0.000
73.65	0.43	1.32	0.33	1.36	60.90	59.90	100.00	0.000	0.0E0	0.000	0.000
73.60	0.43	1.32	0.33	1.36	60.90	59.92	100.00	0.000	0.0E0	0.000	0.000
73.55	0.43	1.32	0.33	1.36	60.90	59.93	100.00	0.000	0.0E0	0.000	0.000
73.50	0.43	1.32	0.33	1.35	60.90	59.94	100.00	0.000	0.0E0	0.000	0.000
73.45	0.44	1.32	0.33	1.35	60.90	59.95	100.00	0.000	0.0E0	0.000	0.000
73.40	0.44	1.32	0.33	1.35	60.90	59.96	100.00	0.000	0.0E0	0.000	0.000
73.35	0.44	1.32	0.33	1.35	60.90	59.97	100.00	0.000	0.0E0	0.000	0.000
73.30	0.44	1.32	0.33	1.35	60.90	59.98	100.00	0.000	0.0E0	0.000	0.000
73.25	0.44	1.32	0.33	1.35	60.90	60.00	100.00	0.000	0.0E0	0.000	0.000
73.20	0.44	1.32	0.33	1.35	60.90	60.01	100.00	0.000	0.0E0	0.000	0.000
73.15	0.44	1.32	0.33	1.35	60.90	60.02	100.00	0.000	0.0E0	0.000	0.000
73.10	0.44	1.32	0.33	1.35	60.90	60.03	100.00	0.000	0.0E0	0.000	0.000
73.05	0.44	1.32	0.33	1.35	60.90	60.04	100.00	0.000	0.0E0	0.000	0.000
73.00	0.44	1.32	0.33	1.35	60.90	60.05	100.00	0.000	0.0E0	0.000	0.000
72.95	0.44	1.32	0.33	1.35	60.90	60.06	100.00	0.000	0.0E0	0.000	0.000
72.90	0.44	1.32	0.33	1.35	60.90	60.08	100.00	0.000	0.0E0	0.000	0.000
72.85	0.44	1.32	0.33	1.35	60.90	60.09	100.00	0.000	0.0E0	0.000	0.000
72.80	0.44	1.32	0.33	1.34	60.90	60.10	100.00	0.000	0.0E0	0.000	0.000
72.75	0.44	1.32	0.33	1.34	60.90	60.11	100.00	0.000	0.0E0	0.000	0.000
72.70	0.44	1.32	0.33	1.34	60.90	60.12	100.00	0.000	0.0E0	0.000	0.000
72.65	0.44	1.32	0.33	1.34	60.90	60.13	100.00	0.000	0.0E0	0.000	0.000
72.60	0.44	1.32	0.33	1.34	60.90	60.14	100.00	0.000	0.0E0	0.000	0.000
72.55	0.44	1.32	0.33	1.34	60.90	60.16	100.00	0.000	0.0E0	0.000	0.000
72.50	0.44	1.32	0.33	1.34	60.90	60.17	100.00	0.000	0.0E0	0.000	0.000
72.45	0.44	1.32	0.33	1.34	60.90	60.18	100.00	0.000	0.0E0	0.000	0.000
72.40	0.44	1.32	0.33	1.34	60.90	60.19	100.00	0.000	0.0E0	0.000	0.000
72.35	0.44	1.32	0.33	1.34	60.90	60.20	100.00	0.000	0.0E0	0.000	0.000
72.30	0.44	1.32	0.33	1.34	60.90	60.21	100.00	0.000	0.0E0	0.000	0.000
72.25	0.44	1.32	0.34	1.34	60.90	60.23	100.00	0.000	0.0E0	0.000	0.000
72.20	0.44	1.32	0.34	1.34	60.90	60.24	100.00	0.000	0.0E0	0.000	0.000
72.15	0.44	1.32	0.34	1.34	60.90	60.25	100.00	0.000	0.0E0	0.000	0.000
72.10	0.44	1.32	0.34	1.33	60.90	60.26	100.00	0.000	0.0E0	0.000	0.000
72.05	0.44	1.32	0.34	1.33	60.90	60.27	100.00	0.000	0.0E0	0.000	0.000

72.00	0.44	1.32	0.34	1.33	60.90	60.29	100.00	0.000	0.0E0	0.000	0.000
71.95	0.44	1.32	0.34	1.33	60.90	60.30	100.00	0.000	0.0E0	0.000	0.000
71.90	0.44	1.32	0.34	1.33	60.90	60.31	100.00	0.000	0.0E0	0.000	0.000
71.85	0.44	1.32	0.34	1.33	60.90	60.32	100.00	0.000	0.0E0	0.000	0.000
71.80	0.44	1.32	0.34	1.33	60.90	60.33	100.00	0.000	0.0E0	0.000	0.000
71.75	0.44	1.32	0.34	1.33	60.90	60.34	100.00	0.000	0.0E0	0.000	0.000
71.70	0.45	1.32	0.34	1.33	60.90	60.36	100.00	0.000	0.0E0	0.000	0.000
71.65	0.45	1.32	0.34	1.33	60.90	60.37	100.00	0.000	0.0E0	0.000	0.000
71.60	0.45	1.32	0.34	1.33	60.90	60.38	100.00	0.000	0.0E0	0.000	0.000
71.55	0.45	1.32	0.34	1.33	60.90	60.39	100.00	0.000	0.0E0	0.000	0.000
71.50	0.45	1.32	0.34	1.33	60.90	60.40	100.00	0.000	0.0E0	0.000	0.000
71.45	0.45	1.32	0.34	1.33	60.90	60.42	100.00	0.000	0.0E0	0.000	0.000
71.40	0.45	1.32	0.34	1.32	60.90	60.43	100.00	0.000	0.0E0	0.000	0.000
71.35	0.45	1.32	0.34	1.32	60.90	60.44	100.00	0.000	0.0E0	0.000	0.000
71.30	0.45	1.32	0.34	1.32	60.90	60.45	100.00	0.000	0.0E0	0.000	0.000
71.25	0.45	1.32	0.34	1.32	60.90	60.46	100.00	0.000	0.0E0	0.000	0.000
71.20	0.45	1.32	0.34	1.32	60.90	60.48	100.00	0.000	0.0E0	0.000	0.000
71.15	0.45	1.32	0.34	1.32	60.90	60.49	100.00	0.000	0.0E0	0.000	0.000
71.10	0.45	1.32	0.34	1.32	60.90	60.50	100.00	0.000	0.0E0	0.000	0.000
71.05	0.45	1.32	0.34	1.32	60.90	60.51	100.00	0.000	0.0E0	0.000	0.000
71.00	0.45	1.32	0.34	1.32	60.90	60.52	100.00	0.000	0.0E0	0.000	0.000
70.95	0.45	1.32	0.34	1.32	60.90	60.54	100.00	0.000	0.0E0	0.000	0.000
70.90	0.45	1.32	0.34	1.32	60.90	60.55	100.00	0.000	0.0E0	0.000	0.000
70.85	0.45	1.32	0.34	1.32	60.90	60.56	100.00	0.000	0.0E0	0.000	0.000
70.80	0.45	1.32	0.34	1.32	60.90	60.57	100.00	0.000	0.0E0	0.000	0.000
70.75	0.45	1.32	0.34	1.32	60.90	60.58	100.00	0.000	0.0E0	0.000	0.000
70.70	0.45	1.32	0.34	1.32	60.90	60.60	100.00	0.000	0.0E0	0.000	0.000
70.65	0.45	1.32	0.34	1.31	60.90	60.61	100.00	0.000	0.0E0	0.000	0.000
70.60	0.45	1.32	0.34	1.31	60.90	60.62	100.00	0.000	0.0E0	0.000	0.000
70.55	0.45	1.32	0.34	1.31	60.90	60.63	100.00	0.000	0.0E0	0.000	0.000
70.50	0.45	1.32	0.34	1.31	60.90	60.65	100.00	0.000	0.0E0	0.000	0.000
70.45	0.45	1.32	0.34	1.31	60.90	60.66	100.00	0.000	0.0E0	0.000	0.000
70.40	0.45	1.32	0.34	1.31	60.90	60.67	100.00	0.000	0.0E0	0.000	0.000
70.35	0.45	1.32	0.34	1.31	60.90	60.68	100.00	0.000	0.0E0	0.000	0.000
70.30	0.45	1.32	0.34	1.31	60.90	60.69	100.00	0.000	0.0E0	0.000	0.000
70.25	0.45	1.32	0.34	1.31	60.90	60.71	100.00	0.000	0.0E0	0.000	0.000
70.20	0.45	1.32	0.34	1.31	60.90	60.72	100.00	0.000	0.0E0	0.000	0.000
70.15	0.45	1.32	0.34	1.31	60.90	60.73	100.00	0.000	0.0E0	0.000	0.000
70.10	0.45	1.32	0.34	1.31	60.90	60.74	100.00	0.000	0.0E0	0.000	0.000
70.05	0.45	1.32	0.34	1.31	60.90	60.76	100.00	0.000	0.0E0	0.000	0.000
70.00	0.45	1.32	0.34	1.31	60.90	60.77	100.00	0.000	0.0E0	0.000	0.000
69.95	0.45	1.32	0.34	1.31	60.90	60.78	100.00	0.000	0.0E0	0.000	0.000
69.90	0.46	1.32	0.35	1.30	60.90	60.79	100.00	0.000	0.0E0	0.000	0.000
69.85	0.46	1.32	0.35	1.30	60.90	60.81	100.00	0.000	0.0E0	0.000	0.000
69.80	0.46	1.32	0.35	1.30	60.90	60.82	100.00	0.000	0.0E0	0.000	0.000
69.75	0.46	1.32	0.35	1.30	60.90	60.83	100.00	0.000	0.0E0	0.000	0.000
69.70	0.46	1.32	0.35	1.30	60.90	60.84	100.00	0.000	0.0E0	0.000	0.000
69.65	0.46	1.32	0.35	1.30	60.90	60.86	100.00	0.000	0.0E0	0.000	0.000
69.60	0.46	1.32	0.35	1.30	60.90	60.87	100.00	0.000	0.0E0	0.000	0.000
69.55	0.46	1.32	0.35	1.30	60.90	60.88	100.00	0.000	0.0E0	0.000	0.000
69.50	0.46	1.32	0.35	1.30	60.90	60.89	100.00	0.000	0.0E0	0.000	0.000
69.45	0.46	1.32	0.35	1.30	60.90	60.91	100.00	0.000	0.0E0	0.000	0.000
69.40	0.46	1.32	0.35	1.30	60.90	60.92	100.00	0.000	0.0E0	0.000	0.000
69.35	0.46	1.32	0.35	1.30	60.90	60.93	100.00	0.000	0.0E0	0.000	0.000
69.30	0.46	1.32	0.35	1.30	60.90	60.94	100.00	0.000	0.0E0	0.000	0.000
69.25	0.46	1.32	0.35	1.30	60.90	60.96	100.00	0.000	0.0E0	0.000	0.000
69.20	0.46	1.32	0.35	1.30	60.90	60.97	100.00	0.000	0.0E0	0.000	0.000
69.15	0.46	1.32	0.35	1.29	60.90	60.98	100.00	0.000	0.0E0	0.000	0.000
69.10	0.46	1.32	0.35	1.29	60.90	60.99	100.00	0.000	0.0E0	0.000	0.000
69.05	0.46	1.32	0.35	1.29	60.90	61.01	100.00	0.000	0.0E0	0.000	0.000
69.00	0.46	1.32	0.35	1.29	60.90	61.02	100.00	0.000	0.0E0	0.000	0.000
68.95	0.46	1.32	0.35	1.29	60.90	61.03	100.00	0.000	0.0E0	0.000	0.000
68.90	0.46	1.32	0.35	1.29	60.90	61.05	100.00	0.000	0.0E0	0.000	0.000
68.85	0.46	1.32	0.35	1.29	60.90	61.06	100.00	0.000	0.0E0	0.000	0.000
68.80	0.46	1.32	0.35	1.29	60.90	61.07	100.00	0.000	0.0E0	0.000	0.000
68.75	0.46	1.32	0.35	1.29	60.90	61.08	100.00	0.000	0.0E0	0.000	0.000
68.70	0.46	1.32	0.35	1.29	60.90	61.10	100.00	0.000	0.0E0	0.000	0.000
68.65	0.46	1.32	0.35	1.29	60.90	61.11	100.00	0.000	0.0E0	0.000	0.000
68.60	0.46	1.32	0.35	1.29	60.90	61.12	100.00	0.000	0.0E0	0.000	0.000
68.55	0.46	1.32	0.35	1.29	60.90	61.14	100.00	0.000	0.0E0	0.000	0.000
68.50	0.46	1.32	0.35	1.29	60.90	61.15	100.00	0.000	0.0E0	0.000	0.000
68.45	0.46	1.32	0.35	1.29	60.90	61.16	100.00	0.000	0.0E0	0.000	0.000
68.40	0.46	1.32	0.35	1.28	60.90	61.17	100.00	0.000	0.0E0	0.000	0.000

68.35	0.46	1.32	0.35	1.28	60.90	61.19	100.00	0.000	0.0E0	0.000	0.000
68.30	0.46	1.32	0.35	1.28	60.90	61.20	100.00	0.000	0.0E0	0.000	0.000
68.25	0.46	1.32	0.35	1.28	60.90	61.21	100.00	0.000	0.0E0	0.000	0.000
68.20	0.46	1.32	0.35	1.28	60.90	61.23	100.00	0.000	0.0E0	0.000	0.000
68.15	0.46	1.32	0.35	1.28	60.90	61.24	100.00	0.000	0.0E0	0.000	0.000
68.10	0.47	1.32	0.35	1.28	60.90	61.25	100.00	0.000	0.0E0	0.000	0.000
68.05	0.47	1.32	0.35	1.28	60.90	61.26	100.00	0.000	0.0E0	0.000	0.000
68.00	0.47	1.32	0.35	1.28	60.90	61.28	100.00	0.000	0.0E0	0.000	0.000
67.95	0.47	1.32	0.35	1.28	60.90	61.29	100.00	0.000	0.0E0	0.000	0.000
67.90	0.47	1.32	0.35	1.28	60.90	61.30	100.00	0.000	0.0E0	0.000	0.000
67.85	0.47	1.32	0.35	1.28	60.90	61.32	100.00	0.000	0.0E0	0.000	0.000
67.80	0.47	1.32	0.35	1.28	60.90	61.33	100.00	0.000	0.0E0	0.000	0.000
67.75	0.47	1.32	0.35	1.28	60.90	61.34	100.00	0.000	0.0E0	0.000	0.000
67.70	0.47	1.32	0.35	1.28	60.90	61.36	100.00	0.000	0.0E0	0.000	0.000
67.65	0.47	1.32	0.35	1.28	60.90	61.37	100.00	0.000	0.0E0	0.000	0.000
67.60	0.47	1.32	0.35	1.27	60.90	61.38	100.00	0.000	0.0E0	0.000	0.000
67.55	0.47	1.32	0.35	1.27	60.90	61.39	100.00	0.000	0.0E0	0.000	0.000
67.50	0.47	1.32	0.36	1.27	60.90	61.41	100.00	0.000	0.0E0	0.000	0.000
67.45	0.47	1.32	0.36	1.27	60.90	61.42	100.00	0.000	0.0E0	0.000	0.000
67.40	0.47	1.32	0.36	1.27	60.90	61.43	100.00	0.000	0.0E0	0.000	0.000
67.35	0.47	1.32	0.36	1.27	60.90	61.45	100.00	0.000	0.0E0	0.000	0.000
67.30	0.47	1.32	0.36	1.27	60.90	61.46	100.00	0.000	0.0E0	0.000	0.000
67.25	0.47	1.32	0.36	1.27	60.90	61.47	100.00	0.000	0.0E0	0.000	0.000
67.20	0.47	1.32	0.36	1.27	60.90	61.49	100.00	0.000	0.0E0	0.000	0.000
67.15	0.47	1.32	0.36	1.27	60.90	61.50	100.00	0.000	0.0E0	0.000	0.000
67.10	0.47	1.32	0.36	1.27	60.90	61.51	100.00	0.000	0.0E0	0.000	0.000
67.05	0.47	1.32	0.36	1.27	60.90	61.53	100.00	0.000	0.0E0	0.000	0.000
67.00	0.47	1.32	0.36	1.27	60.90	61.54	100.00	0.000	0.0E0	0.000	0.000
66.95	0.47	1.32	0.36	1.27	60.90	61.55	100.00	0.000	0.0E0	0.000	0.000
66.90	0.47	1.32	0.36	1.27	60.90	61.57	100.00	0.000	0.0E0	0.000	0.000
66.85	0.47	1.32	0.36	1.27	60.90	61.58	100.00	0.000	0.0E0	0.000	0.000
66.80	0.47	1.32	0.36	1.26	60.90	61.59	100.00	0.000	0.0E0	0.000	0.000
66.75	0.47	1.32	0.36	1.26	60.90	61.61	100.00	0.000	0.0E0	0.000	0.000
66.70	0.47	1.32	0.36	1.26	60.90	61.62	100.00	0.000	0.0E0	0.000	0.000
66.65	0.47	1.32	0.36	1.26	60.90	61.63	100.00	0.000	0.0E0	0.000	0.000
66.60	0.47	1.32	0.36	1.26	60.90	61.65	100.00	0.000	0.0E0	0.000	0.000
66.55	0.47	1.32	0.36	1.26	60.90	61.66	100.00	0.000	0.0E0	0.000	0.000
66.50	0.47	1.32	0.36	1.26	60.90	61.67	100.00	0.000	0.0E0	0.000	0.000
66.45	0.47	1.32	0.36	1.26	60.90	61.69	100.00	0.000	0.0E0	0.000	0.000
66.40	0.47	1.32	0.36	1.26	60.90	61.70	100.00	0.000	0.0E0	0.000	0.000
66.35	0.47	1.32	0.36	1.26	60.90	61.71	100.00	0.000	0.0E0	0.000	0.000
66.30	0.48	1.32	0.36	1.26	60.90	61.73	100.00	0.000	0.0E0	0.000	0.000
66.25	0.48	1.32	0.36	1.26	60.90	61.74	100.00	0.000	0.0E0	0.000	0.000
66.20	0.48	1.32	0.36	1.26	60.90	61.75	100.00	0.000	0.0E0	0.000	0.000
66.15	0.48	1.32	0.36	1.26	60.90	61.77	100.00	0.000	0.0E0	0.000	0.000
66.10	0.48	1.32	0.36	1.26	60.90	61.78	100.00	0.000	0.0E0	0.000	0.000
66.05	0.48	1.32	0.36	1.26	60.90	61.79	100.00	0.000	0.0E0	0.000	0.000
66.00	0.48	1.32	0.36	1.26	60.90	61.81	100.00	0.000	0.0E0	0.000	0.000
65.95	0.48	1.32	0.36	1.25	60.90	61.82	100.00	0.000	0.0E0	0.000	0.000
65.90	0.48	1.32	0.36	1.25	60.90	61.83	100.00	0.000	0.0E0	0.000	0.000
65.85	0.48	1.32	0.36	1.25	60.90	61.85	100.00	0.000	0.0E0	0.000	0.000
65.80	0.48	1.32	0.36	1.25	60.90	61.86	100.00	0.000	0.0E0	0.000	0.000
65.75	0.48	1.32	0.36	1.25	60.90	61.88	100.00	0.000	0.0E0	0.000	0.000
65.70	0.48	1.32	0.36	1.25	60.90	61.89	100.00	0.000	0.0E0	0.000	0.000
65.65	0.48	1.32	0.36	1.25	60.90	61.90	100.00	0.000	0.0E0	0.000	0.000
65.60	0.48	1.32	0.36	1.25	60.90	61.92	100.00	0.000	0.0E0	0.000	0.000
65.55	0.48	1.32	0.36	1.25	60.90	61.93	100.00	0.000	0.0E0	0.000	0.000
65.50	0.48	1.32	0.36	1.25	60.90	61.94	100.00	0.000	0.0E0	0.000	0.000
65.45	0.48	1.32	0.36	1.25	60.90	61.96	100.00	0.000	0.0E0	0.000	0.000
65.40	0.48	1.32	0.36	1.25	60.90	61.97	100.00	0.000	0.0E0	0.000	0.000
65.35	0.48	1.32	0.36	1.25	60.90	61.98	100.00	0.000	0.0E0	0.000	0.000
65.30	0.48	1.32	0.36	1.25	60.90	62.00	100.00	0.000	0.0E0	0.000	0.000
65.25	0.48	1.32	0.36	1.25	60.90	62.01	100.00	0.000	0.0E0	0.000	0.000
65.20	0.48	1.32	0.36	1.25	60.90	62.03	100.00	0.000	0.0E0	0.000	0.000
65.15	0.48	1.32	0.37	1.25	60.90	62.04	100.00	0.000	0.0E0	0.000	0.000
65.10	0.48	1.32	0.37	1.24	60.90	62.05	100.00	0.000	0.0E0	0.000	0.000
65.05	0.48	1.32	0.37	1.24	60.90	62.07	100.00	0.000	0.0E0	0.000	0.000
65.00	0.48	1.32	0.37	1.24	60.90	62.08	100.00	0.000	0.0E0	0.000	0.000
64.95	0.48	1.32	0.37	1.24	60.90	62.17	100.00	0.000	0.0E0	0.000	0.000
64.90	0.48	1.32	0.37	1.24	60.90	62.26	100.00	0.000	0.0E0	0.000	0.000
64.85	0.48	1.32	0.37	1.24	60.90	62.34	100.00	0.000	0.0E0	0.000	0.000
64.80	0.48	1.32	0.37	1.24	60.90	62.43	100.00	0.000	0.0E0	0.000	0.000
64.75	0.48	1.32	0.37	1.24	60.90	62.52	100.00	0.000	0.0E0	0.000	0.000

64.70	0.48	1.32	0.37	1.24	60.90	62.61	100.00	0.000	0.0E0	0.000	0.000
64.65	0.48	1.32	0.37	1.24	60.90	62.69	100.00	0.000	0.0E0	0.000	0.000
64.60	0.48	1.32	0.37	1.24	60.90	62.78	100.00	0.000	0.0E0	0.000	0.000
64.55	0.49	1.32	0.37	1.24	60.90	62.87	100.00	0.000	0.0E0	0.000	0.000
64.50	0.49	1.32	0.37	1.24	60.90	62.96	100.00	0.000	0.0E0	0.000	0.000
64.45	0.49	1.32	0.37	1.24	60.90	63.04	100.00	0.000	0.0E0	0.000	0.000
64.40	0.49	1.32	0.37	1.24	60.90	63.13	100.00	0.000	0.0E0	0.000	0.000
64.35	0.49	1.32	0.37	1.24	60.90	63.22	100.00	0.000	0.0E0	0.000	0.000
64.30	0.49	1.32	0.37	1.24	60.90	63.31	100.00	0.000	0.0E0	0.000	0.000
64.25	0.49	1.32	0.37	1.23	60.90	63.40	100.00	0.000	0.0E0	0.000	0.000
64.20	0.49	1.32	0.37	1.23	60.90	63.49	100.00	0.000	0.0E0	0.000	0.000
64.15	0.49	1.32	0.37	1.23	60.90	63.57	100.00	0.000	0.0E0	0.000	0.000
64.10	0.49	1.32	0.37	1.23	60.90	63.66	100.00	0.000	0.0E0	0.000	0.000
64.05	0.49	1.32	0.37	1.23	60.90	63.75	100.00	0.000	0.0E0	0.000	0.000
64.00	0.49	1.32	0.37	1.23	60.90	63.84	100.00	0.000	0.0E0	0.000	0.000
63.95	0.49	1.32	0.37	1.23	60.90	63.93	100.00	0.000	0.0E0	0.000	0.000
63.90	0.49	1.32	0.37	1.23	60.90	64.02	100.00	0.000	0.0E0	0.000	0.000
63.85	0.49	1.32	0.37	1.23	60.90	64.11	100.00	0.000	0.0E0	0.000	0.000
63.80	0.49	1.32	0.37	1.23	60.90	64.20	100.00	0.000	0.0E0	0.000	0.000
63.75	0.49	1.32	0.37	1.23	60.90	64.29	100.00	0.000	0.0E0	0.000	0.000
63.70	0.49	1.32	0.37	1.23	60.90	64.38	100.00	0.000	0.0E0	0.000	0.000
63.65	0.49	1.32	0.37	1.23	60.90	64.47	100.00	0.000	0.0E0	0.000	0.000
63.60	0.49	1.32	0.37	1.23	60.90	64.55	100.00	0.000	0.0E0	0.000	0.000
63.55	0.49	1.32	0.37	1.23	60.90	64.64	100.00	0.000	0.0E0	0.000	0.000
63.50	0.49	1.32	0.37	1.23	60.90	64.73	100.00	0.000	0.0E0	0.000	0.000
63.45	0.49	1.32	0.37	1.23	60.90	64.82	100.00	0.000	0.0E0	0.000	0.000
63.40	0.49	1.32	0.37	1.22	60.90	64.91	100.00	0.000	0.0E0	0.000	0.000
63.35	0.49	1.32	0.37	1.22	60.90	65.00	100.00	0.000	0.0E0	0.000	0.000
63.30	0.49	1.32	0.37	1.22	60.90	65.09	100.00	0.000	0.0E0	0.000	0.000
63.25	0.49	1.32	0.37	1.22	60.90	65.18	100.00	0.000	0.0E0	0.000	0.000
63.20	0.49	1.32	0.37	1.22	60.90	65.27	100.00	0.000	0.0E0	0.000	0.000
63.15	0.49	1.32	0.37	1.22	60.90	65.37	100.00	0.000	0.0E0	0.000	0.000
63.10	0.49	1.32	0.37	1.22	60.90	65.46	100.00	0.000	0.0E0	0.000	0.000
63.05	0.49	1.32	0.37	1.22	60.90	65.55	100.00	0.000	0.0E0	0.000	0.000
63.00	0.49	1.32	0.37	1.22	60.90	65.64	100.00	0.000	0.0E0	0.000	0.000
62.95	0.49	1.32	0.37	1.22	60.90	65.73	100.00	0.000	0.0E0	0.000	0.000
62.90	0.49	1.32	0.38	1.22	60.90	65.82	100.00	0.000	0.0E0	0.000	0.000
62.85	0.50	1.32	0.38	1.22	60.90	65.91	100.00	0.000	0.0E0	0.000	0.000
62.80	0.50	1.32	0.38	1.22	60.90	66.00	100.00	0.000	0.0E0	0.000	0.000
62.75	0.50	1.32	0.38	1.22	60.90	66.09	100.00	0.000	0.0E0	0.000	0.000
62.70	0.50	1.32	0.38	1.22	60.90	66.18	100.00	0.000	0.0E0	0.000	0.000
62.65	0.50	1.32	0.38	1.22	60.90	66.28	100.00	0.000	0.0E0	0.000	0.000
62.60	0.50	1.32	0.38	1.22	60.90	66.37	100.00	0.000	0.0E0	0.000	0.000
62.55	0.50	1.32	0.38	1.21	60.90	66.46	100.00	0.000	0.0E0	0.000	0.000
62.50	0.50	1.32	0.38	1.21	60.90	66.55	100.00	0.000	0.0E0	0.000	0.000
62.45	0.50	1.32	0.38	1.21	60.90	66.64	100.00	0.000	0.0E0	0.000	0.000
62.40	0.50	1.32	0.38	1.21	60.90	66.73	100.00	0.000	0.0E0	0.000	0.000
62.35	0.50	1.32	0.38	1.21	60.90	66.83	100.00	0.000	0.0E0	0.000	0.000
62.30	0.50	1.32	0.38	1.21	60.90	66.92	100.00	0.000	0.0E0	0.000	0.000
62.25	0.50	1.32	0.38	1.21	60.90	67.01	100.00	0.000	0.0E0	0.000	0.000
62.20	0.50	1.32	0.38	1.21	60.90	67.10	100.00	0.000	0.0E0	0.000	0.000
62.15	0.50	1.32	0.38	1.21	60.90	67.20	100.00	0.000	0.0E0	0.000	0.000
62.10	0.50	1.32	0.38	1.21	60.90	67.29	100.00	0.000	0.0E0	0.000	0.000
62.05	0.50	1.32	0.38	1.21	60.90	67.38	100.00	0.000	0.0E0	0.000	0.000
62.00	0.50	1.32	0.38	1.21	60.90	67.47	100.00	0.000	0.0E0	0.000	0.000
61.95	0.50	1.32	0.38	1.21	60.90	67.57	100.00	0.000	0.0E0	0.000	0.000
61.90	0.50	1.32	0.38	1.21	60.90	67.66	100.00	0.000	0.0E0	0.000	0.000
61.85	0.50	1.32	0.38	1.21	60.90	67.75	100.00	0.000	0.0E0	0.000	0.000
61.80	0.50	1.32	0.38	1.21	60.90	67.85	100.00	0.000	0.0E0	0.000	0.000
61.75	0.50	1.32	0.38	1.21	60.90	67.94	100.00	0.000	0.0E0	0.000	0.000
61.70	0.50	1.32	0.38	1.20	60.90	68.03	100.00	0.000	0.0E0	0.000	0.000
61.65	0.50	1.32	0.38	1.20	60.90	68.13	100.00	0.000	0.0E0	0.000	0.000
61.60	0.50	1.32	0.38	1.20	60.90	68.22	100.00	0.000	0.0E0	0.000	0.000
61.55	0.50	1.32	0.38	1.20	60.90	68.31	100.00	0.000	0.0E0	0.000	0.000
61.50	0.50	1.32	0.38	1.20	60.90	68.41	100.00	0.000	0.0E0	0.000	0.000
61.45	0.50	1.32	0.38	1.20	60.90	68.50	100.00	0.000	0.0E0	0.000	0.000
61.40	0.50	1.32	0.38	1.20	60.90	68.60	100.00	0.000	0.0E0	0.000	0.000
61.35	0.50	1.32	0.38	1.20	60.90	68.69	100.00	0.000	0.0E0	0.000	0.000
61.30	0.50	1.32	0.38	1.20	60.90	68.78	100.00	0.000	0.0E0	0.000	0.000
61.25	0.50	1.32	0.38	1.20	60.90	68.88	100.00	0.000	0.0E0	0.000	0.000
61.20	0.51	1.32	0.38	1.20	60.90	68.97	100.00	0.000	0.0E0	0.000	0.000
61.15	0.51	1.32	0.38	1.20	60.90	69.07	100.00	0.000	0.0E0	0.000	0.000
61.10	0.51	1.32	0.38	1.20	60.90	69.16	100.00	0.000	0.0E0	0.000	0.000

61.05	0.51	1.32	0.38	1.20	60.90	69.26	100.00	0.000	0.0E0	0.000	0.000
61.00	0.51	1.32	0.38	1.20	60.90	69.35	100.00	0.000	0.0E0	0.000	0.000
60.95	0.51	1.32	0.38	1.20	60.90	69.45	100.00	0.000	0.0E0	0.000	0.000
60.90	0.51	1.32	0.38	1.20	60.90	69.54	100.00	0.000	0.0E0	0.000	0.000
60.85	0.51	1.32	0.38	1.20	60.90	69.64	100.00	0.000	0.0E0	0.000	0.000
60.80	0.51	1.32	0.38	1.19	60.90	69.73	100.00	0.000	0.0E0	0.000	0.000
60.75	0.51	1.32	0.39	1.19	60.90	69.83	100.00	0.000	0.0E0	0.000	0.000
60.70	0.51	1.32	0.39	1.19	60.90	69.93	100.00	0.000	0.0E0	0.000	0.000
60.65	0.51	1.32	0.39	1.19	60.90	70.02	100.00	0.000	0.0E0	0.000	0.000
60.60	0.51	1.32	0.39	1.19	60.90	70.12	100.00	0.000	0.0E0	0.000	0.000
60.55	0.51	1.32	0.39	1.19	60.90	70.21	100.00	0.000	0.0E0	0.000	0.000
60.50	0.51	1.32	0.39	1.19	60.90	70.31	100.00	0.000	0.0E0	0.000	0.000
60.45	0.51	1.32	0.39	1.19	60.90	70.41	100.00	0.000	0.0E0	0.000	0.000
60.40	0.51	1.32	0.39	1.19	60.90	70.50	100.00	0.000	0.0E0	0.000	0.000
60.35	0.51	1.32	0.39	1.19	60.90	70.60	100.00	0.000	0.0E0	0.000	0.000
60.30	0.51	1.32	0.39	1.19	60.90	70.70	100.00	0.000	0.0E0	0.000	0.000
60.25	0.51	1.32	0.39	1.19	60.90	70.79	100.00	0.000	0.0E0	0.000	0.000
60.20	0.51	1.32	0.39	1.19	60.90	70.89	100.00	0.000	0.0E0	0.000	0.000
60.15	0.51	1.32	0.39	1.19	60.90	70.99	100.00	0.000	0.0E0	0.000	0.000
60.10	0.51	1.32	0.39	1.19	60.90	71.08	100.00	0.000	0.0E0	0.000	0.000
60.05	0.51	1.32	0.39	1.19	60.90	71.18	100.00	0.000	0.0E0	0.000	0.000
60.00	0.51	1.32	0.39	1.18	60.89	71.28	100.00	0.000	0.0E0	0.000	0.000
59.95	0.51	1.32	0.39	1.18	60.37	71.30	100.00	0.000	0.0E0	0.000	0.000
59.90	0.51	1.32	0.39	1.18	59.85	71.32	100.00	0.000	0.0E0	0.000	0.000
59.85	0.51	1.32	0.39	1.18	59.32	71.34	100.00	0.000	0.0E0	0.000	0.000
59.80	0.51	1.32	0.39	1.18	58.80	71.37	100.00	0.000	0.0E0	0.000	0.000
59.75	0.51	1.32	0.39	1.18	58.27	71.39	100.00	0.000	0.0E0	0.000	0.000
59.70	0.52	1.32	0.39	1.18	57.75	71.41	100.00	0.000	0.0E0	0.000	0.000
59.65	0.52	1.32	0.39	1.18	57.23	71.43	100.00	0.000	0.0E0	0.000	0.000
59.60	0.52	1.32	0.39	1.18	56.70	71.45	100.00	0.000	0.0E0	0.000	0.000
59.55	0.52	1.32	0.39	1.18	56.18	71.48	100.00	0.000	0.0E0	0.000	0.000
59.50	0.52	1.32	0.39	1.18	55.65	71.50	100.00	0.000	0.0E0	0.000	0.000
59.45	0.52	1.32	0.39	1.18	55.13	71.52	100.00	0.000	0.0E0	0.000	0.000
59.40	0.52	1.32	0.39	1.18	54.61	71.54	100.00	0.000	0.0E0	0.000	0.000
59.35	0.52	1.32	0.39	1.18	54.08	71.57	100.00	0.000	0.0E0	0.000	0.000
59.30	0.52	1.32	0.39	1.18	53.56	71.59	100.00	0.000	0.0E0	0.000	0.000
59.25	0.52	1.32	0.39	1.18	53.03	71.61	100.00	0.000	0.0E0	0.000	0.000
59.20	0.52	1.32	0.39	1.18	52.51	71.63	100.00	0.000	0.0E0	0.000	0.000
59.15	0.52	1.32	0.39	1.18	51.99	71.65	100.00	0.000	0.0E0	0.000	0.000
59.10	0.52	1.32	0.39	1.17	51.46	71.68	100.00	0.000	0.0E0	0.000	0.000
59.05	0.52	1.32	0.39	1.17	50.94	71.70	100.00	0.000	0.0E0	0.000	0.000
59.00	0.52	1.32	0.39	1.17	50.41	71.72	100.00	0.000	0.0E0	0.000	0.000
58.95	0.52	1.32	0.39	1.17	49.89	71.74	100.00	0.000	0.0E0	0.000	0.000
58.90	0.52	1.32	0.39	1.17	49.37	71.77	100.00	0.000	0.0E0	0.000	0.000
58.85	0.52	1.32	0.39	1.17	48.84	71.79	100.00	0.000	0.0E0	0.000	0.000
58.80	0.52	1.32	0.39	1.17	48.32	71.81	100.00	0.000	0.0E0	0.000	0.000
58.75	0.52	1.32	0.40	1.17	47.79	71.83	100.00	0.000	0.0E0	0.000	0.000
58.70	0.52	1.32	0.40	1.17	47.27	71.85	100.00	0.000	0.0E0	0.000	0.000
58.65	0.52	1.32	0.40	1.17	46.75	71.88	100.00	0.000	0.0E0	0.000	0.000
58.60	0.52	1.32	0.40	1.17	46.22	71.90	100.00	0.000	0.0E0	0.000	0.000
58.55	0.52	1.32	0.40	1.17	45.70	71.92	100.00	0.000	0.0E0	0.000	0.000
58.50	0.52	1.32	0.40	1.17	45.17	71.94	100.00	0.000	0.0E0	0.000	0.000
58.45	0.52	1.32	0.40	1.17	44.65	71.97	100.00	0.000	0.0E0	0.000	0.000
58.40	0.52	1.32	0.40	1.17	44.13	71.99	100.00	0.000	0.0E0	0.000	0.000
58.35	0.52	1.32	0.40	1.17	43.60	72.01	100.00	0.000	0.0E0	0.000	0.000
58.30	0.52	1.32	0.40	1.17	43.08	72.03	100.00	0.000	0.0E0	0.000	0.000
58.25	0.52	1.32	0.40	1.16	42.55	72.06	100.00	0.000	0.0E0	0.000	0.000
58.20	0.52	1.32	0.40	1.16	42.03	72.08	100.00	0.000	0.0E0	0.000	0.000
58.15	0.53	1.32	0.40	1.16	41.51	72.10	100.00	0.000	0.0E0	0.000	0.000
58.10	0.53	1.32	0.40	1.16	40.98	72.12	100.00	0.000	0.0E0	0.000	0.000
58.05	0.53	1.32	0.40	1.16	40.46	72.14	100.00	0.000	0.0E0	0.000	0.000
58.00	0.53	1.32	0.40	1.16	39.93	72.17	100.00	0.000	0.0E0	0.000	0.000
57.95	0.53	1.32	0.40	1.16	39.41	72.19	100.00	0.000	0.0E0	0.000	0.000
57.90	0.53	1.32	0.40	1.16	38.89	72.21	100.00	0.000	0.0E0	0.000	0.000
57.85	0.53	1.32	0.40	1.16	38.36	72.23	100.00	0.000	0.0E0	0.000	0.000
57.80	0.53	1.32	0.40	1.16	37.84	72.26	100.00	0.000	0.0E0	0.000	0.000
57.75	0.53	1.32	0.40	1.16	37.31	72.28	100.00	0.000	0.0E0	0.000	0.000
57.70	0.53	1.32	0.40	1.16	36.79	72.30	100.00	0.000	0.0E0	0.000	0.000
57.65	0.53	1.32	0.40	1.16	36.27	72.32	100.00	0.000	0.0E0	0.000	0.000
57.60	0.53	1.32	0.40	1.16	35.74	72.35	100.00	0.000	0.0E0	0.000	0.000
57.55	0.53	1.32	0.40	1.16	35.22	72.37	100.00	0.000	0.0E0	0.000	0.000
57.50	0.53	1.32	0.40	1.16	34.69	72.04	100.00	0.000	0.0E0	0.000	0.000
57.45	0.53	1.32	0.40	1.16	34.17	71.78	100.00	0.000	0.0E0	0.000	0.000

57.40	0.53	1.32	0.40	1.16	33.65	71.52	100.00	0.000	0.0E0	0.000	0.000
57.35	0.53	1.32	0.40	1.15	33.12	71.26	100.00	0.000	0.0E0	0.000	0.000
57.30	0.53	1.32	0.40	1.15	32.60	71.00	100.00	0.000	0.0E0	0.000	0.000
57.25	0.53	1.32	0.40	1.15	32.07	70.74	100.00	0.000	0.0E0	0.000	0.000
57.20	0.53	1.32	0.40	1.15	31.55	70.48	100.00	0.000	0.0E0	0.000	0.000
57.15	0.53	1.32	0.40	1.15	31.03	70.23	100.00	0.000	0.0E0	0.000	0.000
57.10	0.53	1.32	0.40	1.15	30.50	69.97	100.00	0.000	0.0E0	0.000	0.000
57.05	0.53	1.32	0.40	1.15	29.98	69.71	100.00	0.000	0.0E0	0.000	0.000
57.00	0.53	1.32	0.40	1.15	29.45	69.46	100.00	0.000	0.0E0	0.000	0.000
56.95	0.53	1.32	0.40	1.15	28.93	69.20	100.00	0.000	0.0E0	0.000	0.000
56.90	0.53	1.32	0.40	1.15	28.41	68.95	100.00	0.000	0.0E0	0.000	0.000
56.85	0.53	1.32	0.40	1.15	27.88	68.69	100.00	0.000	0.0E0	0.000	0.000
56.80	0.53	1.32	0.40	1.15	27.36	68.44	100.00	0.000	0.0E0	0.000	0.000
56.75	0.53	1.32	0.41	1.15	26.83	68.19	100.00	0.000	0.0E0	0.000	0.000
56.70	0.53	1.32	0.41	1.15	26.31	67.93	100.00	0.000	0.0E0	0.000	0.000
56.65	0.54	1.32	0.41	1.15	25.79	67.68	100.00	0.000	0.0E0	0.000	0.000
56.60	0.54	1.32	0.41	1.15	25.26	67.42	100.00	0.000	0.0E0	0.000	0.000
56.55	0.54	1.32	0.41	1.15	24.74	67.16	100.00	0.000	0.0E0	0.000	0.000
56.50	0.54	1.32	0.41	1.15	24.21	66.91	100.00	0.000	0.0E0	0.000	0.000
56.45	0.54	1.32	0.41	1.15	23.69	66.65	100.00	0.000	0.0E0	0.000	0.000
56.40	0.54	1.32	0.41	1.14	23.17	66.39	100.00	0.000	0.0E0	0.000	0.000
56.35	0.54	1.32	0.41	1.14	22.64	66.13	100.00	0.000	0.0E0	0.000	0.000
56.30	0.54	1.32	0.41	1.14	22.12	65.87	100.00	0.000	0.0E0	0.000	0.000
56.25	0.54	1.32	0.41	1.14	21.59	65.61	100.00	0.000	0.0E0	0.000	0.000
56.20	0.54	1.32	0.41	1.14	21.07	65.35	100.00	0.000	0.0E0	0.000	0.000
56.15	0.54	1.32	0.41	1.14	20.55	65.08	100.00	0.000	0.0E0	0.000	0.000
56.10	0.54	1.32	0.41	1.14	20.02	64.81	100.00	0.000	0.0E0	0.000	0.000
56.05	0.54	1.32	0.41	1.14	19.50	64.54	100.00	0.000	0.0E0	0.000	0.000
56.00	0.54	1.32	0.41	1.14	18.97	64.27	100.00	0.000	0.0E0	0.000	0.000
55.95	0.54	1.32	0.41	1.14	18.45	64.00	100.00	0.000	0.0E0	0.000	0.000
55.90	0.54	1.32	0.41	1.14	17.93	63.72	100.00	0.000	0.0E0	0.000	0.000
55.85	0.54	1.32	0.41	1.14	17.40	63.44	100.00	0.000	0.0E0	0.000	0.000
55.80	0.54	1.32	0.41	1.14	16.88	63.15	100.00	0.000	0.0E0	0.000	0.000
55.75	0.54	1.32	0.41	1.14	16.35	62.86	100.00	0.000	0.0E0	0.000	0.000
55.70	0.54	1.32	0.41	1.14	15.83	62.57	100.00	0.000	0.0E0	0.000	0.000
55.65	0.54	1.32	0.41	1.14	15.31	62.27	100.00	0.000	0.0E0	0.000	0.000
55.60	0.54	1.32	0.41	1.14	14.78	61.97	100.00	0.000	0.0E0	0.000	0.000
55.55	0.54	1.32	0.41	1.14	14.26	61.67	100.00	0.000	0.0E0	0.000	0.000
55.50	0.54	1.32	0.41	1.14	13.73	61.36	100.00	0.000	0.0E0	0.000	0.000
55.45	0.54	1.32	0.41	1.13	13.21	61.05	100.00	0.000	0.0E0	0.000	0.000
55.40	0.54	1.32	0.41	1.13	12.69	60.74	100.00	0.000	0.0E0	0.000	0.000
55.35	0.54	1.32	0.41	1.13	12.16	60.42	100.00	0.000	0.0E0	0.000	0.000
55.30	0.54	1.32	0.41	1.13	11.64	60.11	100.00	0.000	0.0E0	0.000	0.000
55.25	0.54	1.32	0.41	1.13	11.11	59.79	100.00	0.000	0.0E0	0.000	0.000
55.20	0.54	1.32	0.41	1.13	10.59	59.49	100.00	0.000	0.0E0	0.000	0.000
55.15	0.54	1.32	0.41	1.13	10.07	59.18	100.00	0.000	0.0E0	0.000	0.000
55.10	0.55	1.32	0.41	1.13	9.54	58.89	100.00	0.000	0.0E0	0.000	0.000
55.05	0.55	1.32	0.41	1.13	9.02	58.62	100.00	0.000	0.0E0	0.000	0.000
55.00	0.55	1.32	0.41	1.13	8.50	58.36	100.00	0.000	0.0E0	0.000	0.000
54.95	0.55	1.32	0.41	1.13	8.50	58.02	100.00	0.000	0.0E0	0.000	0.000
54.90	0.55	1.32	0.41	1.13	8.50	57.68	100.00	0.000	0.0E0	0.000	0.000
54.85	0.55	1.32	0.41	1.13	8.50	57.35	100.00	0.000	0.0E0	0.000	0.000
54.80	0.55	1.32	0.41	1.13	8.50	57.01	100.00	0.000	0.0E0	0.000	0.000
54.75	0.55	1.32	0.41	1.13	8.50	56.67	100.00	0.000	0.0E0	0.000	0.000
54.70	0.55	1.32	0.42	1.13	8.50	56.34	100.00	0.000	0.0E0	0.000	0.000
54.65	0.55	1.32	0.42	1.13	8.50	56.00	100.00	0.000	0.0E0	0.000	0.000
54.60	0.55	1.32	0.42	1.13	8.50	55.66	100.00	0.000	0.0E0	0.000	0.000
54.55	0.55	1.32	0.42	1.13	8.50	55.32	100.00	0.000	0.0E0	0.000	0.000
54.50	0.55	1.32	0.42	1.13	8.50	54.98	100.00	0.000	0.0E0	0.000	0.000
54.45	0.55	1.32	0.42	1.12	8.50	54.64	100.00	0.000	0.0E0	0.000	0.000
54.40	0.55	1.32	0.42	1.12	8.50	54.31	100.00	0.000	0.0E0	0.000	0.000
54.35	0.55	1.32	0.42	1.12	8.50	53.97	100.00	0.000	0.0E0	0.000	0.000
54.30	0.55	1.32	0.42	1.12	8.50	53.63	100.00	0.000	0.0E0	0.000	0.000
54.25	0.55	1.32	0.42	1.12	8.50	53.29	100.00	0.000	0.0E0	0.000	0.000
54.20	0.55	1.32	0.42	1.12	8.50	52.95	100.00	0.000	0.0E0	0.000	0.000
54.15	0.55	1.32	0.42	1.12	8.50	52.61	100.00	0.000	0.0E0	0.000	0.000
54.10	0.55	1.32	0.42	1.12	8.50	52.27	100.00	0.000	0.0E0	0.000	0.000
54.05	0.55	1.32	0.42	1.12	8.50	51.93	100.00	0.000	0.0E0	0.000	0.000
54.00	0.55	1.32	0.42	1.12	8.50	51.59	100.00	0.000	0.0E0	0.000	0.000
53.95	0.55	1.32	0.42	1.12	8.50	51.25	100.00	0.000	0.0E0	0.000	0.000
53.90	0.55	1.32	0.42	1.12	8.50	50.91	100.00	0.000	0.0E0	0.000	0.000
53.85	0.55	1.32	0.42	1.12	8.50	50.56	100.00	0.000	0.0E0	0.000	0.000
53.80	0.55	1.32	0.42	1.12	8.50	50.22	100.00	0.000	0.0E0	0.000	0.000

53.75	0.55	1.32	0.42	1.12	8.50	49.88	100.00	0.000	0.0E0	0.000	0.000
53.70	0.55	1.32	0.42	1.12	8.50	49.54	100.00	0.000	0.0E0	0.000	0.000
53.65	0.55	1.32	0.42	1.12	8.50	49.20	100.00	0.000	0.0E0	0.000	0.000
53.60	0.55	1.32	0.42	1.12	8.50	48.85	100.00	0.000	0.0E0	0.000	0.000
53.55	0.56	1.32	0.42	1.12	8.50	48.51	100.00	0.000	0.0E0	0.000	0.000
53.50	0.56	1.32	0.42	1.12	8.50	48.17	100.00	0.000	0.0E0	0.000	0.000
53.45	0.56	1.32	0.42	1.11	8.50	47.83	100.00	0.000	0.0E0	0.000	0.000
53.40	0.56	1.32	0.42	1.11	8.50	47.48	100.00	0.000	0.0E0	0.000	0.000
53.35	0.56	1.32	0.42	1.11	8.50	47.14	100.00	0.000	0.0E0	0.000	0.000
53.30	0.56	1.32	0.42	1.11	8.50	46.80	100.00	0.000	0.0E0	0.000	0.000
53.25	0.56	1.32	0.42	1.11	8.50	46.45	100.00	0.000	0.0E0	0.000	0.000
53.20	0.56	1.32	0.42	1.11	8.50	46.11	100.00	0.000	0.0E0	0.000	0.000
53.15	0.56	1.32	0.42	1.11	8.50	45.76	100.00	0.000	0.0E0	0.000	0.000
53.10	0.56	1.32	0.42	1.11	8.50	45.42	100.00	0.000	0.0E0	0.000	0.000
53.05	0.56	1.32	0.42	1.11	8.50	45.07	100.00	0.000	0.0E0	0.000	0.000
53.00	0.56	1.32	0.42	1.11	8.50	44.73	100.00	0.000	0.0E0	0.000	0.000
52.95	0.56	1.32	0.42	1.11	8.50	44.38	100.00	0.000	0.0E0	0.000	0.000
52.90	0.56	1.32	0.42	1.11	8.50	44.04	100.00	0.000	0.0E0	0.000	0.000
52.85	0.56	1.32	0.42	1.11	8.50	43.69	100.00	0.000	0.0E0	0.000	0.000
52.80	0.56	1.32	0.42	1.11	8.50	43.35	100.00	0.000	0.0E0	0.000	0.000
52.75	0.56	1.32	0.42	1.11	8.50	43.00	100.00	0.000	0.0E0	0.000	0.000
52.70	0.56	1.32	0.42	1.11	8.50	42.65	100.00	0.000	0.0E0	0.000	0.000
52.65	0.56	1.32	0.43	1.11	8.50	42.31	100.00	0.000	0.0E0	0.000	0.000
52.60	0.56	1.32	0.43	1.11	8.50	41.96	100.00	0.000	0.0E0	0.000	0.000
52.55	0.56	1.32	0.43	1.11	8.50	41.61	100.00	0.000	0.0E0	0.000	0.000
52.50	0.56	1.32	0.43	1.11	8.50	41.26	100.00	0.000	0.0E0	0.000	0.000
52.45	0.56	1.32	0.43	1.11	8.50	40.92	100.00	0.000	0.0E0	0.000	0.000
52.40	0.56	1.32	0.43	1.10	8.50	40.57	100.00	0.000	0.0E0	0.000	0.000
52.35	0.56	1.32	0.43	1.10	8.50	40.22	100.00	0.000	0.0E0	0.000	0.000
52.30	0.56	1.32	0.43	1.10	8.50	39.87	100.00	0.000	0.0E0	0.000	0.000
52.25	0.56	1.32	0.43	1.10	8.50	39.52	100.00	0.000	0.0E0	0.000	0.000
52.20	0.56	1.32	0.43	1.10	8.50	39.18	100.00	0.000	0.0E0	0.000	0.000
52.15	0.56	1.32	0.43	1.10	8.50	38.83	100.00	0.000	0.0E0	0.000	0.000
52.10	0.56	1.32	0.43	1.10	8.50	38.48	100.00	0.000	0.0E0	0.000	0.000
52.05	0.56	1.32	0.43	1.10	8.50	38.13	100.00	0.000	0.0E0	0.000	0.000
52.00	0.57	1.32	0.43	1.10	8.50	37.78	100.00	0.000	0.0E0	0.000	0.000
51.95	0.57	1.32	0.43	1.10	8.50	37.43	100.00	0.000	0.0E0	0.000	0.000
51.90	0.57	1.32	0.43	1.10	8.50	37.08	100.00	0.000	0.0E0	0.000	0.000
51.85	0.57	1.32	0.43	1.10	8.50	36.73	100.00	0.000	0.0E0	0.000	0.000
51.80	0.57	1.32	0.43	1.10	8.50	36.38	100.00	0.000	0.0E0	0.000	0.000
51.75	0.57	1.32	0.43	1.10	8.50	36.03	100.00	0.000	0.0E0	0.000	0.000
51.70	0.57	1.32	0.43	1.10	8.50	35.67	100.00	0.000	0.0E0	0.000	0.000
51.65	0.57	1.32	0.43	1.10	8.50	35.32	100.00	0.000	0.0E0	0.000	0.000
51.60	0.57	1.32	0.43	1.10	8.50	34.97	100.00	0.000	0.0E0	0.000	0.000
51.55	0.57	1.32	0.43	1.10	8.50	34.62	100.00	0.105	6.3E-4	0.001	0.001
51.50	0.57	1.32	0.43	1.10	8.50	34.27	100.00	0.120	7.2E-4	0.001	0.001
51.45	0.57	1.32	0.43	1.10	8.50	33.92	99.66	0.135	8.1E-4	0.001	0.002
51.40	0.57	1.32	0.43	1.10	8.50	33.56	98.73	0.150	9.0E-4	0.001	0.003
51.35	0.57	1.32	0.43	1.09	8.50	33.21	97.81	0.166	9.9E-4	0.001	0.004
51.30	0.57	1.32	0.43	1.09	8.50	32.86	96.90	0.181	1.1E-3	0.001	0.005
51.25	0.57	1.32	0.43	1.09	8.50	32.50	96.01	0.196	1.2E-3	0.001	0.006
51.20	0.57	1.32	0.43	1.09	8.50	32.15	95.13	0.272	1.6E-3	0.002	0.008
51.15	0.57	1.32	0.43	1.09	8.50	31.80	94.26	0.369	2.2E-3	0.002	0.010
51.10	0.57	1.32	0.43	1.09	8.50	31.44	93.41	0.467	2.8E-3	0.003	0.013
51.05	0.57	1.32	0.43	1.09	8.50	31.09	92.57	0.531	3.2E-3	0.003	0.016
51.00	0.57	1.32	0.43	1.09	8.50	30.73	91.74	0.579	3.5E-3	0.003	0.020
50.95	0.57	1.32	0.43	1.09	8.50	30.38	90.92	0.626	3.8E-3	0.004	0.023
50.90	0.57	1.32	0.43	1.01	8.50	30.02	90.11	0.674	4.0E-3	0.004	0.027
50.85	0.57	1.32	0.43	0.90	8.50	29.67	89.31	0.721	4.3E-3	0.004	0.032
50.80	0.57	1.32	0.43	0.85	8.50	29.31	88.53	0.768	4.6E-3	0.005	0.036
50.75	0.57	1.32	0.43	0.81	8.50	28.96	87.75	0.816	4.9E-3	0.005	0.041
50.70	0.57	1.32	0.43	0.78	8.50	28.60	86.98	0.863	5.2E-3	0.005	0.046
50.65	0.57	1.32	0.44	0.76	8.50	28.24	86.22	0.910	5.5E-3	0.005	0.052
50.60	0.57	1.32	0.44	0.74	8.50	27.89	85.48	0.958	5.7E-3	0.006	0.058
50.55	0.57	1.32	0.44	0.72	8.50	27.53	84.74	1.002	6.0E-3	0.006	0.064
50.50	0.57	1.32	0.44	0.70	8.50	27.17	84.00	1.026	6.2E-3	0.006	0.070
50.45	0.58	1.32	0.44	0.69	8.50	26.82	83.28	1.049	6.3E-3	0.006	0.076
50.40	0.58	1.32	0.44	0.67	8.50	26.46	82.56	1.073	6.4E-3	0.006	0.083
50.35	0.58	1.32	0.44	0.65	8.50	26.10	81.86	1.097	6.6E-3	0.007	0.089
50.30	0.58	1.32	0.44	0.64	8.50	25.74	81.15	1.120	6.7E-3	0.007	0.096
50.25	0.58	1.32	0.44	0.63	8.50	25.38	80.46	1.144	6.9E-3	0.007	0.103
50.20	0.58	1.32	0.44	0.61	8.50	25.03	79.77	1.167	7.0E-3	0.007	0.110
50.15	0.58	1.32	0.44	0.60	8.50	24.67	79.08	1.191	7.1E-3	0.007	0.117

50.10	0.58	1.32	0.44	0.59	8.50	24.31	78.41	1.214	7.3E-3	0.007	0.124
50.05	0.58	1.32	0.44	0.58	8.50	23.95	77.73	1.238	7.4E-3	0.007	0.132
50.00	0.58	1.32	0.44	0.57	8.50	23.59	77.07	1.261	7.6E-3	0.008	0.139
49.95	0.58	1.32	0.44	0.57	8.50	23.60	77.08	1.261	7.6E-3	0.008	0.147
49.90	0.58	1.32	0.44	0.57	8.50	23.61	77.10	1.260	7.6E-3	0.008	0.154
49.85	0.58	1.32	0.44	0.57	8.50	23.62	77.12	1.260	7.6E-3	0.008	0.162
49.80	0.58	1.32	0.44	0.57	8.50	23.63	77.13	1.259	7.6E-3	0.008	0.169
49.75	0.58	1.32	0.44	0.57	8.50	23.63	77.15	1.259	7.6E-3	0.008	0.177
49.70	0.58	1.32	0.44	0.57	8.50	23.64	77.16	1.258	7.6E-3	0.008	0.184
49.65	0.58	1.32	0.44	0.57	8.50	23.65	77.18	1.258	7.5E-3	0.008	0.192
49.60	0.58	1.32	0.44	0.57	8.50	23.66	77.19	1.257	7.5E-3	0.008	0.200
49.55	0.58	1.32	0.44	0.57	8.50	23.67	77.21	1.257	7.5E-3	0.008	0.207
49.50	0.58	1.32	0.44	0.57	8.50	23.68	77.22	1.257	7.5E-3	0.008	0.215
49.45	0.58	1.32	0.44	0.57	8.50	23.68	77.24	1.256	7.5E-3	0.008	0.222
49.40	0.58	1.32	0.44	0.57	8.50	23.69	77.25	1.256	7.5E-3	0.008	0.230
49.35	0.58	1.32	0.44	0.57	8.50	23.70	77.27	1.255	7.5E-3	0.008	0.237
49.30	0.58	1.32	0.44	0.57	8.50	23.71	77.29	1.255	7.5E-3	0.008	0.245
49.25	0.58	1.32	0.44	0.57	8.50	23.72	77.30	1.254	7.5E-3	0.008	0.252
49.20	0.58	1.32	0.44	0.57	8.50	23.73	77.32	1.254	7.5E-3	0.008	0.260
49.15	0.58	1.32	0.44	0.57	8.50	23.73	77.33	1.253	7.5E-3	0.008	0.267
49.10	0.58	1.32	0.44	0.57	8.50	23.74	77.35	1.253	7.5E-3	0.008	0.275
49.05	0.58	1.32	0.44	0.57	8.50	23.75	77.36	1.252	7.5E-3	0.008	0.282
49.00	0.58	1.32	0.44	0.57	8.50	23.76	77.38	1.252	7.5E-3	0.008	0.290
48.95	0.59	1.32	0.44	0.57	8.50	23.77	77.39	1.251	7.5E-3	0.008	0.297
48.90	0.59	1.32	0.44	0.57	8.50	23.78	77.41	1.251	7.5E-3	0.008	0.305
48.85	0.59	1.32	0.44	0.57	8.50	23.78	77.43	1.250	7.5E-3	0.008	0.312
48.80	0.59	1.32	0.44	0.57	8.50	23.79	77.44	1.250	7.5E-3	0.007	0.320
48.75	0.59	1.32	0.44	0.57	8.50	23.80	77.46	1.249	7.5E-3	0.007	0.327
48.70	0.59	1.32	0.44	0.57	8.50	23.81	77.47	1.249	7.5E-3	0.007	0.335
48.65	0.59	1.32	0.45	0.57	8.50	23.82	77.49	1.248	7.5E-3	0.007	0.342
48.60	0.59	1.32	0.45	0.57	8.50	23.83	77.50	1.248	7.5E-3	0.007	0.350
48.55	0.59	1.32	0.45	0.57	8.50	23.83	77.52	1.247	7.5E-3	0.007	0.357
48.50	0.59	1.32	0.45	0.57	8.50	23.84	77.53	1.247	7.5E-3	0.007	0.365
48.45	0.59	1.32	0.45	0.57	8.50	23.85	77.55	1.247	7.5E-3	0.007	0.372
48.40	0.59	1.32	0.45	0.57	8.50	23.86	77.56	1.246	7.5E-3	0.007	0.380
48.35	0.59	1.32	0.45	0.57	8.50	23.87	77.58	1.246	7.5E-3	0.007	0.387
48.30	0.59	1.32	0.45	0.57	8.50	23.88	77.60	1.245	7.5E-3	0.007	0.395
48.25	0.59	1.32	0.45	0.57	8.50	23.88	77.61	1.245	7.5E-3	0.007	0.402
48.20	0.59	1.32	0.45	0.57	8.50	23.89	77.63	1.244	7.5E-3	0.007	0.410
48.15	0.59	1.32	0.45	0.57	8.50	23.90	77.64	1.244	7.5E-3	0.007	0.417
48.10	0.59	1.32	0.45	0.57	8.50	23.91	77.66	1.243	7.5E-3	0.007	0.425
48.05	0.59	1.32	0.45	0.57	8.50	23.92	77.67	1.243	7.5E-3	0.007	0.432
48.00	0.59	1.32	0.45	0.57	8.50	23.93	77.69	1.242	7.5E-3	0.007	0.440
47.95	0.59	1.32	0.45	0.57	8.50	23.93	77.70	1.242	7.5E-3	0.007	0.447
47.90	0.59	1.32	0.45	0.57	8.50	23.94	77.72	1.241	7.4E-3	0.007	0.454
47.85	0.59	1.32	0.45	0.57	8.50	23.95	77.74	1.241	7.4E-3	0.007	0.462
47.80	0.59	1.32	0.45	0.57	8.50	23.96	77.75	1.240	7.4E-3	0.007	0.469
47.75	0.59	1.32	0.45	0.57	8.50	23.97	77.77	1.240	7.4E-3	0.007	0.477
47.70	0.59	1.32	0.45	0.57	8.50	23.98	77.78	1.239	7.4E-3	0.007	0.484
47.65	0.59	1.32	0.45	0.57	8.50	23.98	77.80	1.239	7.4E-3	0.007	0.492
47.60	0.59	1.32	0.45	0.57	8.50	23.99	77.81	1.238	7.4E-3	0.007	0.499
47.55	0.59	1.32	0.45	0.57	8.50	24.00	77.83	1.238	7.4E-3	0.007	0.506
47.50	0.59	1.32	0.45	0.57	8.50	24.01	77.84	1.238	7.4E-3	0.007	0.514
47.45	0.59	1.32	0.45	0.57	8.50	24.02	77.86	1.237	7.4E-3	0.007	0.521
47.40	0.59	1.32	0.45	0.57	8.50	24.03	77.87	1.237	7.4E-3	0.007	0.529
47.35	0.60	1.32	0.45	0.57	8.50	24.03	77.89	1.236	7.4E-3	0.007	0.536
47.30	0.60	1.32	0.45	0.57	8.50	24.04	77.91	1.236	7.4E-3	0.007	0.544
47.25	0.60	1.32	0.45	0.57	8.50	24.05	77.92	1.235	7.4E-3	0.007	0.551
47.20	0.60	1.32	0.45	0.57	8.50	24.06	77.94	1.235	7.4E-3	0.007	0.558
47.15	0.60	1.32	0.45	0.57	8.50	24.07	77.95	1.234	7.4E-3	0.007	0.566
47.10	0.60	1.32	0.45	0.57	8.50	24.07	77.97	1.234	7.4E-3	0.007	0.573
47.05	0.60	1.32	0.45	0.57	8.50	24.08	77.98	1.233	7.4E-3	0.007	0.581
47.00	0.60	1.32	0.45	0.57	8.50	24.09	78.00	1.233	7.4E-3	0.007	0.588
46.95	0.60	1.32	0.45	0.57	8.50	24.10	78.01	1.232	7.4E-3	0.007	0.595
46.90	0.60	1.32	0.45	0.57	8.50	24.11	78.03	1.232	7.4E-3	0.007	0.603
46.85	0.60	1.32	0.45	0.57	8.50	24.12	78.04	1.231	7.4E-3	0.007	0.610
46.80	0.60	1.32	0.45	0.57	8.50	24.12	78.06	1.231	7.4E-3	0.007	0.618
46.75	0.60	1.32	0.45	0.57	8.50	24.13	78.07	1.230	7.4E-3	0.007	0.625
46.70	0.60	1.32	0.45	0.57	8.50	24.14	78.09	1.230	7.4E-3	0.007	0.632
46.65	0.60	1.32	0.45	0.57	8.50	24.15	78.11	1.229	7.4E-3	0.007	0.640
46.60	0.60	1.32	0.45	0.57	8.50	24.16	78.12	1.229	7.4E-3	0.007	0.647
46.55	0.60	1.32	0.45	0.57	8.50	24.17	78.14	1.229	7.4E-3	0.007	0.654
46.50	0.60	1.32	0.46	0.57	8.50	24.17	78.15	1.228	7.4E-3	0.007	0.662

46.45	0.60	1.32	0.46	0.57	8.50	24.18	78.17	1.228	7.4E-3	0.007	0.669
46.40	0.60	1.32	0.46	0.57	8.50	24.19	78.18	1.227	7.4E-3	0.007	0.677
46.35	0.60	1.32	0.46	0.57	8.50	24.20	78.20	1.227	7.4E-3	0.007	0.684
46.30	0.60	1.32	0.46	0.57	8.50	24.21	78.21	1.226	7.4E-3	0.007	0.691
46.25	0.60	1.32	0.46	0.57	8.50	24.21	78.23	1.226	7.4E-3	0.007	0.699
46.20	0.60	1.32	0.46	0.57	8.50	24.22	78.24	1.225	7.4E-3	0.007	0.706
46.15	0.60	1.32	0.46	0.57	8.50	24.23	78.26	1.225	7.3E-3	0.007	0.713
46.10	0.60	1.32	0.46	0.57	8.50	24.24	78.28	1.224	7.3E-3	0.007	0.721
46.05	0.60	1.32	0.46	0.57	8.50	24.25	78.29	1.224	7.3E-3	0.007	0.728
46.00	0.60	1.32	0.46	0.57	8.50	24.26	78.31	1.223	7.3E-3	0.007	0.735
45.95	0.60	1.32	0.46	0.57	8.50	24.26	78.32	1.223	7.3E-3	0.007	0.743
45.90	0.60	1.32	0.46	0.57	8.50	24.27	78.34	1.222	7.3E-3	0.007	0.750
45.85	0.60	1.32	0.46	0.57	8.50	24.28	78.35	1.222	7.3E-3	0.007	0.757
45.80	0.60	1.32	0.46	0.57	8.50	24.29	78.37	1.222	7.3E-3	0.007	0.765
45.75	0.60	1.32	0.46	0.57	8.50	24.30	78.38	1.221	7.3E-3	0.007	0.772
45.70	0.61	1.32	0.46	0.57	8.50	24.30	78.40	1.221	7.3E-3	0.007	0.779
45.65	0.61	1.32	0.46	0.57	8.50	24.31	78.41	1.220	7.3E-3	0.007	0.787
45.60	0.61	1.32	0.46	0.57	8.50	24.32	78.43	1.220	7.3E-3	0.007	0.794
45.55	0.61	1.32	0.46	0.57	8.50	24.33	78.44	1.219	7.3E-3	0.007	0.801
45.50	0.61	1.32	0.46	0.57	8.50	24.34	78.46	1.219	7.3E-3	0.007	0.809
45.45	0.61	1.32	0.46	0.57	8.50	24.35	78.47	1.218	7.3E-3	0.007	0.816
45.40	0.61	1.32	0.46	0.57	8.50	24.35	78.49	1.218	7.3E-3	0.007	0.823
45.35	0.61	1.32	0.46	0.57	8.50	24.36	78.51	1.217	7.3E-3	0.007	0.830
45.30	0.61	1.32	0.46	0.57	8.50	24.37	78.52	1.217	7.3E-3	0.007	0.838
45.25	0.61	1.32	0.46	0.57	8.50	24.38	78.54	1.216	7.3E-3	0.007	0.845
45.20	0.61	1.32	0.46	0.57	8.50	24.39	78.55	1.216	7.3E-3	0.007	0.852
45.15	0.61	1.32	0.46	0.57	8.50	24.39	78.57	1.215	7.3E-3	0.007	0.860
45.10	0.61	1.32	0.46	0.57	8.50	24.40	78.58	1.215	7.3E-3	0.007	0.867
45.05	0.61	1.32	0.46	0.57	8.50	24.41	78.60	1.215	7.3E-3	0.007	0.874
45.00	0.61	1.32	0.46	0.57	8.51	24.42	78.62	1.214	7.3E-3	0.007	0.882
44.95	0.61	1.32	0.46	0.58	9.43	24.66	79.08	1.198	7.2E-3	0.007	0.889
44.90	0.61	1.32	0.46	0.59	10.36	24.95	79.62	1.180	7.1E-3	0.007	0.896
44.85	0.61	1.32	0.46	0.60	11.28	25.25	80.20	1.161	7.0E-3	0.007	0.903
44.80	0.61	1.32	0.46	0.61	12.21	25.56	80.80	1.141	6.8E-3	0.007	0.910
44.75	0.61	1.32	0.46	0.62	13.13	25.86	81.38	1.122	6.7E-3	0.007	0.916
44.70	0.61	1.32	0.46	0.63	14.06	26.15	81.94	1.104	6.6E-3	0.007	0.923
44.65	0.61	1.32	0.46	0.64	14.98	26.41	82.48	1.086	6.5E-3	0.007	0.929
44.60	0.61	1.32	0.46	0.65	15.91	26.67	82.98	1.070	6.4E-3	0.006	0.936
44.55	0.61	1.32	0.46	0.66	16.83	26.90	83.44	1.056	6.3E-3	0.006	0.942
44.50	0.61	1.32	0.46	0.67	17.76	27.11	83.88	1.042	6.3E-3	0.006	0.948
44.45	0.61	1.32	0.46	0.68	18.68	27.31	84.28	1.029	6.2E-3	0.006	0.955
44.40	0.61	1.32	0.46	0.69	19.61	27.49	84.65	1.018	6.1E-3	0.006	0.961
44.35	0.61	1.32	0.46	0.69	20.53	27.66	85.00	1.007	6.0E-3	0.006	0.967
44.30	0.61	1.32	0.47	0.70	21.46	27.81	85.32	0.995	6.0E-3	0.006	0.973
44.25	0.61	1.32	0.47	0.71	22.38	27.96	85.62	0.977	5.9E-3	0.006	0.979
44.20	0.61	1.32	0.47	0.72	23.31	28.09	85.90	0.961	5.8E-3	0.006	0.984
44.15	0.61	1.32	0.47	0.72	24.23	28.22	86.16	0.945	5.7E-3	0.006	0.990
44.10	0.61	1.32	0.47	0.73	25.16	28.33	86.41	0.931	5.6E-3	0.006	0.996
44.05	0.61	1.32	0.47	0.74	26.08	28.44	86.64	0.918	5.5E-3	0.006	1.001
44.00	0.62	1.32	0.47	0.74	27.01	28.54	86.86	0.905	5.4E-3	0.005	1.007
43.95	0.62	1.32	0.47	0.75	27.93	28.64	87.07	0.894	5.4E-3	0.005	1.012
43.90	0.62	1.32	0.47	0.75	28.86	28.73	87.26	0.883	5.3E-3	0.005	1.017
43.85	0.62	1.32	0.47	0.76	29.78	28.82	87.45	0.872	5.2E-3	0.005	1.023
43.80	0.62	1.32	0.47	0.77	30.71	28.90	87.62	0.862	5.2E-3	0.005	1.028
43.75	0.62	1.32	0.47	0.77	31.63	28.98	87.79	0.853	5.1E-3	0.005	1.033
43.70	0.62	1.32	0.47	0.78	32.56	29.05	87.95	0.844	5.1E-3	0.005	1.038
43.65	0.62	1.32	0.47	0.78	33.48	29.12	88.10	0.835	5.0E-3	0.005	1.043
43.60	0.62	1.32	0.47	0.79	34.41	29.19	88.25	0.827	5.0E-3	0.005	1.048
43.55	0.62	1.32	0.47	0.80	35.33	29.26	88.41	0.819	4.9E-3	0.005	1.053
43.50	0.62	1.32	0.47	0.78	36.26	29.12	88.10	0.836	5.0E-3	0.005	1.058
43.45	0.62	1.32	0.47	0.77	37.18	28.97	87.78	0.854	5.1E-3	0.005	1.063
43.40	0.62	1.32	0.47	0.76	38.11	28.83	87.47	0.872	5.2E-3	0.005	1.068
43.35	0.62	1.32	0.47	0.75	39.03	28.69	87.16	0.890	5.3E-3	0.005	1.073
43.30	0.62	1.32	0.47	0.74	39.96	28.54	86.86	0.908	5.4E-3	0.005	1.079
43.25	0.62	1.32	0.47	0.73	40.88	28.40	86.55	0.926	5.6E-3	0.006	1.084
43.20	0.62	1.32	0.47	0.72	41.81	28.25	86.25	0.944	5.7E-3	0.006	1.090
43.15	0.62	1.32	0.47	0.71	42.73	28.11	85.94	0.962	5.8E-3	0.006	1.096
43.10	0.62	1.32	0.47	0.70	43.66	27.97	85.64	0.980	5.9E-3	0.006	1.102
43.05	0.62	1.32	0.47	0.70	44.58	27.82	85.34	0.998	6.0E-3	0.006	1.108
43.00	0.62	1.32	0.47	0.69	45.51	27.68	85.04	1.008	6.1E-3	0.006	1.114
42.95	0.62	1.32	0.47	0.68	46.43	27.53	84.74	1.018	6.1E-3	0.006	1.120
42.90	0.62	1.32	0.47	0.67	47.36	27.39	84.44	1.027	6.2E-3	0.006	1.126
42.85	0.62	1.32	0.47	0.67	48.28	27.24	84.15	1.036	6.2E-3	0.006	1.132

42.80	0.62	1.32	0.47	0.66	49.21	27.10	83.85	1.046	6.3E-3	0.006	1.139
42.75	0.62	1.32	0.47	0.65	50.13	26.95	83.56	1.055	6.3E-3	0.006	1.145
42.70	0.62	1.32	0.47	0.65	51.06	26.81	83.27	1.064	6.4E-3	0.006	1.151
42.65	0.62	1.32	0.47	0.64	51.98	26.66	82.97	1.074	6.4E-3	0.006	1.158
42.60	0.62	1.32	0.47	0.63	52.91	26.52	82.68	1.083	6.5E-3	0.006	1.164
42.55	0.62	1.32	0.47	0.63	53.83	26.37	82.39	1.092	6.6E-3	0.007	1.171
42.50	0.62	1.32	0.47	0.62	54.76	26.23	82.11	1.102	6.6E-3	0.007	1.177
42.45	0.62	1.32	0.47	0.62	55.68	26.08	81.82	1.111	6.7E-3	0.007	1.184
42.40	0.62	1.32	0.47	0.61	56.61	25.94	81.53	1.120	6.7E-3	0.007	1.191
42.35	0.62	1.32	0.47	0.61	57.53	25.79	81.25	1.130	6.8E-3	0.007	1.198
42.30	0.62	1.32	0.47	0.60	58.46	25.65	80.96	1.139	6.8E-3	0.007	1.204
42.25	0.63	1.32	0.47	0.60	59.38	25.50	80.68	1.148	6.9E-3	0.007	1.211
42.20	0.63	1.32	0.47	0.59	60.31	25.35	80.40	1.158	6.9E-3	0.007	1.218
42.15	0.63	1.32	0.47	0.58	61.23	25.21	80.12	1.167	7.0E-3	0.007	1.225
42.10	0.63	1.32	0.47	0.58	62.16	25.06	79.84	1.177	7.1E-3	0.007	1.232
42.05	0.63	1.32	0.47	0.57	63.08	24.92	79.56	1.186	7.1E-3	0.007	1.239
42.00	0.63	1.32	0.47	0.57	64.01	24.77	79.28	1.195	7.2E-3	0.007	1.247
41.95	0.63	1.32	0.48	0.56	64.93	24.62	79.00	1.205	7.2E-3	0.007	1.254
41.90	0.63	1.32	0.48	0.56	65.86	24.48	78.72	1.214	7.3E-3	0.007	1.261
41.85	0.63	1.32	0.48	0.56	66.78	24.33	78.45	1.223	7.3E-3	0.007	1.268
41.80	0.63	1.32	0.48	0.55	67.71	24.18	78.17	1.233	7.4E-3	0.007	1.276
41.75	0.63	1.32	0.48	0.55	68.63	24.04	77.89	1.242	7.5E-3	0.007	1.283
41.70	0.63	1.32	0.48	0.54	69.56	23.89	77.62	1.252	7.5E-3	0.008	1.291
41.65	0.63	1.32	0.48	0.54	70.48	23.74	77.34	1.261	7.6E-3	0.008	1.298
41.60	0.63	1.32	0.48	0.53	71.41	23.59	77.07	1.270	7.6E-3	0.008	1.306
41.55	0.63	1.32	0.48	0.53	72.33	23.45	76.80	1.280	7.7E-3	0.008	1.314
41.50	0.63	1.32	0.48	0.52	73.26	23.30	76.53	1.289	7.7E-3	0.008	1.321
41.45	0.63	1.32	0.48	0.52	74.18	23.15	76.25	1.299	7.8E-3	0.008	1.329
41.40	0.63	1.32	0.48	0.51	75.11	23.00	75.98	1.308	7.8E-3	0.008	1.337
41.35	0.63	1.32	0.48	0.51	76.03	22.86	75.71	1.318	7.9E-3	0.008	1.345
41.30	0.63	1.32	0.48	0.51	76.96	22.71	75.44	1.327	8.0E-3	0.008	1.353
41.25	0.63	1.32	0.48	0.50	77.88	22.56	75.17	1.336	8.0E-3	0.008	1.361
41.20	0.63	1.32	0.48	0.50	78.81	22.41	74.90	1.346	8.1E-3	0.008	1.369
41.15	0.63	1.32	0.48	0.49	79.73	22.27	74.63	1.355	8.1E-3	0.008	1.377
41.10	0.63	1.32	0.48	0.49	80.66	22.12	74.36	1.365	8.2E-3	0.008	1.385
41.05	0.63	1.32	0.48	0.49	81.58	21.97	74.09	1.374	8.2E-3	0.008	1.394
41.00	0.63	1.32	0.48	0.48	82.51	21.82	73.82	1.384	8.3E-3	0.008	1.402
40.95	0.63	1.32	0.48	0.48	83.43	21.67	73.55	1.393	8.4E-3	0.008	1.410
40.90	0.63	1.32	0.48	0.47	84.36	21.52	73.28	1.403	8.4E-3	0.008	1.419
40.85	0.63	1.32	0.48	0.47	85.28	21.37	73.01	1.412	8.5E-3	0.008	1.427
40.80	0.63	1.32	0.48	0.47	86.21	21.23	72.75	1.422	8.5E-3	0.009	1.436
40.75	0.63	1.32	0.48	0.46	87.13	21.08	72.48	1.431	8.6E-3	0.009	1.444
40.70	0.63	1.32	0.48	0.46	88.06	20.93	72.21	1.441	8.6E-3	0.009	1.453
40.65	0.63	1.32	0.48	0.46	88.98	20.78	71.94	1.450	8.7E-3	0.009	1.462
40.60	0.63	1.32	0.48	0.45	89.91	20.63	71.67	1.459	8.8E-3	0.009	1.470
40.55	0.63	1.32	0.48	0.45	90.83	20.48	71.40	1.469	8.8E-3	0.009	1.479
40.50	0.64	1.32	0.48	0.44	91.76	20.33	71.13	1.478	8.9E-3	0.009	1.488
40.45	0.64	1.32	0.48	0.44	92.68	20.18	70.86	1.488	8.9E-3	0.009	1.497
40.40	0.64	1.32	0.48	0.44	93.61	20.03	70.59	1.497	9.0E-3	0.009	1.506
40.35	0.64	1.32	0.48	0.43	94.53	19.88	70.32	1.509	9.1E-3	0.009	1.515
40.30	0.64	1.32	0.48	0.43	95.46	19.73	70.05	1.521	9.1E-3	0.009	1.524
40.25	0.64	1.32	0.48	0.43	96.38	19.58	69.78	1.533	9.2E-3	0.009	1.533
40.20	0.64	1.32	0.48	0.42	97.31	19.43	69.51	1.546	9.3E-3	0.009	1.543
40.15	0.64	1.32	0.48	0.42	98.23	19.28	69.24	1.558	9.3E-3	0.009	1.552
40.10	0.64	1.32	0.48	0.42	99.16	19.13	68.97	1.570	9.4E-3	0.009	1.561
40.05	0.64	1.32	0.48	0.41	NoLiq	18.98	68.70	1.582	0.0E0	0.000	1.561
40.00	0.64	1.32	0.48	5.00	NoLiq	18.83	68.43	1.595	0.0E0	0.000	1.561
39.95	0.64	1.32	0.48	5.00	NoLiq	18.84	68.44	1.594	0.0E0	0.000	1.561
39.90	0.64	1.32	0.48	5.00	NoLiq	18.84	68.45	1.594	0.0E0	0.000	1.561
39.85	0.64	1.32	0.48	5.00	NoLiq	18.85	68.46	1.593	0.0E0	0.000	1.561
39.80	0.64	1.32	0.48	5.00	NoLiq	18.85	68.47	1.593	0.0E0	0.000	1.561
39.75	0.64	1.32	0.48	5.00	NoLiq	18.86	68.47	1.593	0.0E0	0.000	1.561
39.70	0.64	1.32	0.48	5.00	NoLiq	18.86	68.48	1.592	0.0E0	0.000	1.561
39.65	0.64	1.32	0.49	5.00	NoLiq	18.87	68.49	1.592	0.0E0	0.000	1.561
39.60	0.64	1.32	0.49	5.00	NoLiq	18.87	68.50	1.592	0.0E0	0.000	1.561
39.55	0.64	1.32	0.49	5.00	NoLiq	18.88	68.51	1.591	0.0E0	0.000	1.561
39.50	0.64	1.32	0.49	5.00	NoLiq	18.88	68.52	1.591	0.0E0	0.000	1.561
39.45	0.64	1.32	0.49	5.00	NoLiq	18.89	68.53	1.591	0.0E0	0.000	1.561
39.40	0.64	1.32	0.49	5.00	NoLiq	18.89	68.54	1.590	0.0E0	0.000	1.561
39.35	0.64	1.32	0.49	5.00	NoLiq	18.90	68.55	1.590	0.0E0	0.000	1.561
39.30	0.64	1.32	0.49	5.00	NoLiq	18.90	68.56	1.590	0.0E0	0.000	1.561
39.25	0.64	1.32	0.49	5.00	NoLiq	18.91	68.57	1.589	0.0E0	0.000	1.561
39.20	0.64	1.32	0.49	5.00	NoLiq	18.91	68.58	1.589	0.0E0	0.000	1.561

39.15	0.64	1.32	0.49	5.00	NoLiq	18.92	68.58	1.589	0.0E0	0.000	1.561
39.10	0.64	1.32	0.49	5.00	NoLiq	18.92	68.59	1.588	0.0E0	0.000	1.561
39.05	0.64	1.32	0.49	5.00	NoLiq	18.93	68.60	1.588	0.0E0	0.000	1.561
39.00	0.64	1.32	0.49	5.00	NoLiq	18.93	68.61	1.587	0.0E0	0.000	1.561
38.95	0.64	1.32	0.49	5.00	NoLiq	18.94	68.62	1.587	0.0E0	0.000	1.561
38.90	0.64	1.32	0.49	5.00	NoLiq	18.94	68.63	1.587	0.0E0	0.000	1.561
38.85	0.64	1.32	0.49	5.00	NoLiq	18.95	68.64	1.586	0.0E0	0.000	1.561
38.80	0.64	1.32	0.49	5.00	NoLiq	18.95	68.65	1.586	0.0E0	0.000	1.561
38.75	0.64	1.32	0.49	5.00	NoLiq	18.96	68.66	1.586	0.0E0	0.000	1.561
38.70	0.65	1.32	0.49	5.00	NoLiq	18.96	68.67	1.585	0.0E0	0.000	1.561
38.65	0.65	1.32	0.49	5.00	NoLiq	18.97	68.68	1.585	0.0E0	0.000	1.561
38.60	0.65	1.32	0.49	5.00	NoLiq	18.97	68.69	1.585	0.0E0	0.000	1.561
38.55	0.65	1.32	0.49	5.00	NoLiq	18.98	68.70	1.584	0.0E0	0.000	1.561
38.50	0.65	1.32	0.49	5.00	NoLiq	18.98	68.71	1.584	0.0E0	0.000	1.561
38.45	0.65	1.32	0.49	5.00	NoLiq	18.99	68.72	1.584	0.0E0	0.000	1.561
38.40	0.65	1.32	0.49	5.00	NoLiq	19.00	68.73	1.583	0.0E0	0.000	1.561
38.35	0.65	1.32	0.49	5.00	NoLiq	19.00	68.74	1.583	0.0E0	0.000	1.561
38.30	0.65	1.32	0.49	5.00	NoLiq	19.01	68.74	1.582	0.0E0	0.000	1.561
38.25	0.65	1.32	0.49	5.00	NoLiq	19.01	68.75	1.582	0.0E0	0.000	1.561
38.20	0.65	1.32	0.49	5.00	NoLiq	19.02	68.76	1.582	0.0E0	0.000	1.561
38.15	0.65	1.32	0.49	5.00	NoLiq	19.02	68.77	1.581	0.0E0	0.000	1.561
38.10	0.65	1.32	0.49	5.00	NoLiq	19.03	68.78	1.581	0.0E0	0.000	1.561
38.05	0.65	1.32	0.49	5.00	NoLiq	19.03	68.79	1.581	0.0E0	0.000	1.561
38.00	0.65	1.32	0.49	5.00	NoLiq	19.04	68.80	1.580	0.0E0	0.000	1.561
37.95	0.65	1.32	0.49	5.00	NoLiq	19.04	68.81	1.580	0.0E0	0.000	1.561
37.90	0.65	1.32	0.49	5.00	NoLiq	19.05	68.82	1.579	0.0E0	0.000	1.561
37.85	0.65	1.32	0.49	5.00	NoLiq	19.05	68.83	1.579	0.0E0	0.000	1.561
37.80	0.65	1.32	0.49	5.00	NoLiq	19.06	68.84	1.579	0.0E0	0.000	1.561
37.75	0.65	1.32	0.49	5.00	NoLiq	19.06	68.85	1.578	0.0E0	0.000	1.561
37.70	0.65	1.32	0.49	5.00	NoLiq	19.07	68.86	1.578	0.0E0	0.000	1.561
37.65	0.65	1.32	0.49	5.00	NoLiq	19.07	68.87	1.578	0.0E0	0.000	1.561
37.60	0.65	1.32	0.49	5.00	NoLiq	19.08	68.88	1.577	0.0E0	0.000	1.561
37.55	0.65	1.32	0.49	5.00	NoLiq	19.09	68.89	1.577	0.0E0	0.000	1.561
37.50	0.65	1.32	0.49	5.00	NoLiq	19.09	68.90	1.577	0.0E0	0.000	1.561
37.45	0.65	1.32	0.49	5.00	NoLiq	19.10	68.91	1.576	0.0E0	0.000	1.561
37.40	0.65	1.32	0.49	5.00	NoLiq	19.10	68.92	1.576	0.0E0	0.000	1.561
37.35	0.65	1.32	0.49	5.00	NoLiq	19.11	68.93	1.575	0.0E0	0.000	1.561
37.30	0.65	1.32	0.50	5.00	NoLiq	19.11	68.94	1.575	0.0E0	0.000	1.561
37.25	0.65	1.32	0.50	5.00	NoLiq	19.12	68.95	1.575	0.0E0	0.000	1.561
37.20	0.65	1.32	0.50	5.00	NoLiq	19.12	68.96	1.574	0.0E0	0.000	1.561
37.15	0.65	1.32	0.50	5.00	NoLiq	19.13	68.97	1.574	0.0E0	0.000	1.561
37.10	0.65	1.32	0.50	5.00	NoLiq	19.13	68.98	1.574	0.0E0	0.000	1.561
37.05	0.65	1.32	0.50	5.00	NoLiq	19.14	68.99	1.573	0.0E0	0.000	1.561
37.00	0.65	1.32	0.50	5.00	NoLiq	19.14	69.00	1.573	0.0E0	0.000	1.561
36.95	0.66	1.32	0.50	5.00	NoLiq	19.15	69.01	1.572	0.0E0	0.000	1.561
36.90	0.66	1.32	0.50	5.00	NoLiq	19.16	69.02	1.572	0.0E0	0.000	1.561
36.85	0.66	1.32	0.50	5.00	NoLiq	19.16	69.03	1.572	0.0E0	0.000	1.561
36.80	0.66	1.32	0.50	5.00	NoLiq	19.17	69.04	1.571	0.0E0	0.000	1.561
36.75	0.66	1.32	0.50	5.00	NoLiq	19.17	69.05	1.571	0.0E0	0.000	1.561
36.70	0.66	1.32	0.50	5.00	NoLiq	19.18	69.06	1.571	0.0E0	0.000	1.561
36.65	0.66	1.32	0.50	5.00	NoLiq	19.18	69.07	1.570	0.0E0	0.000	1.561
36.60	0.66	1.32	0.50	5.00	NoLiq	19.19	69.08	1.570	0.0E0	0.000	1.561
36.55	0.66	1.32	0.50	5.00	NoLiq	19.19	69.09	1.569	0.0E0	0.000	1.561
36.50	0.66	1.32	0.50	5.00	NoLiq	19.20	69.10	1.569	0.0E0	0.000	1.561
36.45	0.66	1.32	0.50	5.00	NoLiq	19.21	69.11	1.569	0.0E0	0.000	1.561
36.40	0.66	1.32	0.50	5.00	NoLiq	19.21	69.12	1.568	0.0E0	0.000	1.561
36.35	0.66	1.32	0.50	5.00	NoLiq	19.22	69.13	1.568	0.0E0	0.000	1.561
36.30	0.66	1.32	0.50	5.00	NoLiq	19.22	69.14	1.568	0.0E0	0.000	1.561
36.25	0.66	1.32	0.50	5.00	NoLiq	19.23	69.15	1.567	0.0E0	0.000	1.561
36.20	0.66	1.32	0.50	5.00	NoLiq	19.23	69.16	1.567	0.0E0	0.000	1.561
36.15	0.66	1.32	0.50	5.00	NoLiq	19.24	69.17	1.566	0.0E0	0.000	1.561
36.10	0.66	1.32	0.50	5.00	NoLiq	19.24	69.18	1.566	0.0E0	0.000	1.561
36.05	0.66	1.32	0.50	5.00	NoLiq	19.25	69.19	1.565	0.0E0	0.000	1.561
36.00	0.66	1.32	0.50	5.00	NoLiq	19.26	69.20	1.565	0.0E0	0.000	1.561
35.95	0.66	1.32	0.50	5.00	NoLiq	19.26	69.21	1.564	0.0E0	0.000	1.561
35.90	0.66	1.32	0.50	5.00	NoLiq	19.27	69.22	1.564	0.0E0	0.000	1.561
35.85	0.66	1.32	0.50	5.00	NoLiq	19.27	69.23	1.564	0.0E0	0.000	1.561
35.80	0.66	1.32	0.50	5.00	NoLiq	19.28	69.24	1.563	0.0E0	0.000	1.561
35.75	0.66	1.32	0.50	5.00	NoLiq	19.28	69.25	1.563	0.0E0	0.000	1.561
35.70	0.66	1.32	0.50	5.00	NoLiq	19.29	69.26	1.562	0.0E0	0.000	1.561
35.65	0.66	1.32	0.50	5.00	NoLiq	19.30	69.27	1.562	0.0E0	0.000	1.561
35.60	0.66	1.32	0.50	5.00	NoLiq	19.30	69.28	1.561	0.0E0	0.000	1.561
35.55	0.66	1.32	0.50	5.00	NoLiq	19.31	69.29	1.561	0.0E0	0.000	1.561

35.50	0.66	1.32	0.50	5.00	NoLiq	19.31	69.30	1.560	0.0E0	0.000	1.561
35.45	0.66	1.32	0.50	5.00	NoLiq	19.32	69.31	1.560	0.0E0	0.000	1.561
35.40	0.66	1.32	0.50	5.00	NoLiq	19.32	69.32	1.559	0.0E0	0.000	1.561
35.35	0.66	1.32	0.50	5.00	NoLiq	19.33	69.33	1.559	0.0E0	0.000	1.561
35.30	0.66	1.32	0.50	5.00	NoLiq	19.34	69.34	1.558	0.0E0	0.000	1.561
35.25	0.66	1.32	0.50	5.00	NoLiq	19.34	69.35	1.558	0.0E0	0.000	1.561
35.20	0.67	1.32	0.50	5.00	NoLiq	19.35	69.36	1.557	0.0E0	0.000	1.561
35.15	0.67	1.32	0.50	5.00	NoLiq	19.35	69.37	1.557	0.0E0	0.000	1.561
35.10	0.67	1.32	0.50	5.00	NoLiq	19.36	69.38	1.556	0.0E0	0.000	1.561
35.05	0.67	1.32	0.50	5.00	NoLiq	19.36	69.39	1.556	0.0E0	0.000	1.561
35.00	0.67	1.32	0.51	5.00	NoLiq	19.37	69.40	1.555	0.0E0	0.000	1.561
34.95	0.67	1.32	0.51	5.00	NoLiq	19.43	69.51	1.550	0.0E0	0.000	1.561
34.90	0.67	1.32	0.51	5.00	NoLiq	19.49	69.62	1.545	0.0E0	0.000	1.561
34.85	0.67	1.32	0.51	5.00	NoLiq	19.55	69.73	1.540	0.0E0	0.000	1.561
34.80	0.67	1.32	0.51	5.00	NoLiq	19.61	69.83	1.535	0.0E0	0.000	1.561
34.75	0.67	1.32	0.51	5.00	NoLiq	19.67	69.94	1.530	0.0E0	0.000	1.561
34.70	0.67	1.32	0.51	5.00	NoLiq	19.73	70.05	1.525	0.0E0	0.000	1.561
34.65	0.67	1.32	0.51	5.00	NoLiq	19.79	70.16	1.520	0.0E0	0.000	1.561
34.60	0.67	1.32	0.51	5.00	NoLiq	19.85	70.27	1.515	0.0E0	0.000	1.561
34.55	0.67	1.32	0.51	5.00	NoLiq	19.91	70.37	1.510	0.0E0	0.000	1.561
34.50	0.67	1.32	0.51	5.00	NoLiq	19.97	70.48	1.505	0.0E0	0.000	1.561
34.45	0.67	1.32	0.51	5.00	NoLiq	20.03	70.59	1.500	0.0E0	0.000	1.561
34.40	0.67	1.32	0.51	5.00	NoLiq	20.09	70.70	1.496	0.0E0	0.000	1.561
34.35	0.67	1.32	0.51	5.00	NoLiq	20.15	70.81	1.493	0.0E0	0.000	1.561
34.30	0.67	1.32	0.51	5.00	NoLiq	20.21	70.92	1.489	0.0E0	0.000	1.561
34.25	0.67	1.32	0.51	5.00	NoLiq	20.27	71.03	1.485	0.0E0	0.000	1.561
34.20	0.67	1.32	0.51	5.00	NoLiq	20.33	71.13	1.481	0.0E0	0.000	1.561
34.15	0.67	1.32	0.51	5.00	NoLiq	20.39	71.24	1.477	0.0E0	0.000	1.561
34.10	0.67	1.32	0.51	5.00	NoLiq	20.45	71.35	1.474	0.0E0	0.000	1.561
34.05	0.67	1.32	0.51	5.00	NoLiq	20.51	71.46	1.470	0.0E0	0.000	1.561
34.00	0.67	1.32	0.51	5.00	NoLiq	20.57	71.57	1.466	0.0E0	0.000	1.561
33.95	0.67	1.32	0.51	5.00	NoLiq	20.63	71.68	1.462	0.0E0	0.000	1.561
33.90	0.67	1.32	0.51	5.00	NoLiq	20.70	71.79	1.459	0.0E0	0.000	1.561
33.85	0.67	1.32	0.51	5.00	NoLiq	20.76	71.90	1.455	0.0E0	0.000	1.561
33.80	0.67	1.32	0.51	5.00	NoLiq	20.82	72.01	1.451	0.0E0	0.000	1.561
33.75	0.67	1.32	0.51	5.00	NoLiq	20.88	72.12	1.447	0.0E0	0.000	1.561
33.70	0.67	1.32	0.51	5.00	NoLiq	20.94	72.23	1.443	0.0E0	0.000	1.561
33.65	0.67	1.32	0.51	5.00	NoLiq	21.00	72.34	1.439	0.0E0	0.000	1.561
33.60	0.67	1.32	0.51	5.00	NoLiq	21.06	72.45	1.436	0.0E0	0.000	1.561
33.55	0.67	1.32	0.51	5.00	NoLiq	21.12	72.56	1.432	0.0E0	0.000	1.561
33.50	0.67	1.32	0.51	5.00	NoLiq	21.18	72.67	1.428	0.0E0	0.000	1.561
33.45	0.68	1.32	0.51	5.00	NoLiq	21.25	72.78	1.424	0.0E0	0.000	1.561
33.40	0.68	1.32	0.51	5.00	NoLiq	21.31	72.89	1.420	0.0E0	0.000	1.561
33.35	0.68	1.32	0.51	5.00	NoLiq	21.37	73.00	1.417	0.0E0	0.000	1.561
33.30	0.68	1.32	0.51	5.00	NoLiq	21.43	73.11	1.413	0.0E0	0.000	1.561
33.25	0.68	1.32	0.51	5.00	NoLiq	21.49	73.22	1.409	0.0E0	0.000	1.561
33.20	0.68	1.32	0.51	5.00	NoLiq	21.55	73.34	1.405	0.0E0	0.000	1.561
33.15	0.68	1.32	0.51	5.00	NoLiq	21.61	73.45	1.401	0.0E0	0.000	1.561
33.10	0.68	1.32	0.51	5.00	NoLiq	21.68	73.56	1.397	0.0E0	0.000	1.561
33.05	0.68	1.32	0.51	5.00	NoLiq	21.74	73.67	1.393	0.0E0	0.000	1.561
33.00	0.68	1.32	0.51	5.00	NoLiq	21.80	73.78	1.390	0.0E0	0.000	1.561
32.95	0.68	1.32	0.51	5.00	NoLiq	21.86	73.89	1.386	0.0E0	0.000	1.561
32.90	0.68	1.32	0.51	5.00	NoLiq	21.92	74.01	1.382	0.0E0	0.000	1.561
32.85	0.68	1.32	0.51	5.00	NoLiq	21.99	74.12	1.378	0.0E0	0.000	1.561
32.80	0.68	1.32	0.51	5.00	NoLiq	22.05	74.23	1.374	0.0E0	0.000	1.561
32.75	0.68	1.32	0.51	5.00	NoLiq	22.11	74.35	1.370	0.0E0	0.000	1.561
32.70	0.68	1.32	0.52	5.00	NoLiq	22.17	74.46	1.366	0.0E0	0.000	1.561
32.65	0.68	1.32	0.52	5.00	NoLiq	22.23	74.57	1.362	0.0E0	0.000	1.561
32.60	0.68	1.32	0.52	5.00	NoLiq	22.30	74.68	1.359	0.0E0	0.000	1.561
32.55	0.68	1.32	0.52	5.00	NoLiq	22.36	74.80	1.355	0.0E0	0.000	1.561
32.50	0.68	1.32	0.52	5.00	NoLiq	22.42	74.91	1.351	0.0E0	0.000	1.561
32.45	0.68	1.32	0.52	5.00	NoLiq	22.48	75.03	1.347	0.0E0	0.000	1.561
32.40	0.68	1.32	0.52	5.00	NoLiq	22.55	75.14	1.343	0.0E0	0.000	1.561
32.35	0.68	1.32	0.52	5.00	NoLiq	22.61	75.25	1.339	0.0E0	0.000	1.561
32.30	0.68	1.32	0.52	5.00	NoLiq	22.67	75.37	1.335	0.0E0	0.000	1.561
32.25	0.68	1.32	0.52	5.00	NoLiq	22.73	75.48	1.331	0.0E0	0.000	1.561
32.20	0.68	1.32	0.52	5.00	NoLiq	22.80	75.60	1.327	0.0E0	0.000	1.561
32.15	0.68	1.32	0.52	5.00	NoLiq	22.86	75.71	1.323	0.0E0	0.000	1.561
32.10	0.68	1.32	0.52	5.00	NoLiq	22.92	75.83	1.319	0.0E0	0.000	1.561
32.05	0.68	1.32	0.52	5.00	NoLiq	22.98	75.94	1.316	0.0E0	0.000	1.561
32.00	0.68	1.32	0.52	5.00	NoLiq	23.05	76.06	1.312	0.0E0	0.000	1.561
31.95	0.68	1.32	0.52	5.00	NoLiq	23.11	76.18	1.308	0.0E0	0.000	1.561
31.90	0.68	1.32	0.52	5.00	NoLiq	23.17	76.29	1.304	0.0E0	0.000	1.561

31.85	0.68	1.32	0.52	5.00	NoLiq	23.24	76.41	1.300	0.0E0	0.000	1.561
31.80	0.68	1.32	0.52	5.00	NoLiq	23.30	76.53	1.296	0.0E0	0.000	1.561
31.75	0.69	1.32	0.52	5.00	NoLiq	23.36	76.64	1.292	0.0E0	0.000	1.561
31.70	0.69	1.32	0.52	5.00	NoLiq	23.43	76.76	1.288	0.0E0	0.000	1.561
31.65	0.69	1.32	0.52	5.00	NoLiq	23.49	76.88	1.284	0.0E0	0.000	1.561
31.60	0.69	1.32	0.52	5.00	NoLiq	23.55	76.99	1.280	0.0E0	0.000	1.561
31.55	0.69	1.32	0.52	5.00	NoLiq	23.62	77.11	1.276	0.0E0	0.000	1.561
31.50	0.69	1.32	0.52	5.00	NoLiq	23.68	77.23	1.272	0.0E0	0.000	1.561
31.45	0.69	1.32	0.52	5.00	NoLiq	23.74	77.35	1.268	0.0E0	0.000	1.561
31.40	0.69	1.32	0.52	5.00	NoLiq	23.81	77.47	1.264	0.0E0	0.000	1.561
31.35	0.69	1.32	0.52	5.00	NoLiq	23.87	77.59	1.260	0.0E0	0.000	1.561
31.30	0.69	1.32	0.52	5.00	NoLiq	23.94	77.71	1.256	0.0E0	0.000	1.561
31.25	0.69	1.32	0.52	5.00	NoLiq	24.00	77.82	1.252	0.0E0	0.000	1.561
31.20	0.69	1.32	0.52	5.00	NoLiq	24.06	77.94	1.248	0.0E0	0.000	1.561
31.15	0.69	1.32	0.52	5.00	NoLiq	24.13	78.06	1.244	0.0E0	0.000	1.561
31.10	0.69	1.32	0.52	5.00	NoLiq	24.19	78.18	1.240	0.0E0	0.000	1.561
31.05	0.69	1.32	0.52	5.00	NoLiq	24.25	78.31	1.236	0.0E0	0.000	1.561
31.00	0.69	1.32	0.52	5.00	NoLiq	24.32	78.43	1.232	0.0E0	0.000	1.561
30.95	0.69	1.32	0.52	5.00	NoLiq	24.38	78.55	1.228	0.0E0	0.000	1.561
30.90	0.69	1.32	0.52	5.00	NoLiq	24.45	78.67	1.224	0.0E0	0.000	1.561
30.85	0.69	1.32	0.52	5.00	NoLiq	24.51	78.79	1.220	0.0E0	0.000	1.561
30.80	0.69	1.32	0.52	5.00	NoLiq	24.58	78.91	1.216	0.0E0	0.000	1.561
30.75	0.69	1.32	0.52	5.00	NoLiq	24.64	79.03	1.212	0.0E0	0.000	1.561
30.70	0.69	1.32	0.52	5.00	NoLiq	24.71	79.16	1.208	0.0E0	0.000	1.561
30.65	0.69	1.32	0.52	5.00	NoLiq	24.77	79.28	1.204	0.0E0	0.000	1.561
30.60	0.69	1.32	0.52	5.00	NoLiq	24.83	79.40	1.200	0.0E0	0.000	1.561
30.55	0.69	1.32	0.52	5.00	NoLiq	24.90	79.53	1.196	0.0E0	0.000	1.561
30.50	0.69	1.32	0.52	5.00	NoLiq	24.96	79.65	1.192	0.0E0	0.000	1.561
30.45	0.69	1.32	0.53	5.00	NoLiq	25.03	79.77	1.188	0.0E0	0.000	1.561
30.40	0.69	1.32	0.53	5.00	NoLiq	25.09	79.90	1.184	0.0E0	0.000	1.561
30.35	0.69	1.32	0.53	5.00	NoLiq	25.16	80.02	1.180	0.0E0	0.000	1.561
30.30	0.69	1.32	0.53	5.00	NoLiq	25.22	80.15	1.176	0.0E0	0.000	1.561
30.25	0.69	1.32	0.53	5.00	NoLiq	25.29	80.27	1.172	0.0E0	0.000	1.561
30.20	0.69	1.32	0.53	5.00	NoLiq	25.35	80.40	1.167	0.0E0	0.000	1.561
30.15	0.69	1.32	0.53	5.00	NoLiq	25.42	80.53	1.163	0.0E0	0.000	1.561
30.10	0.69	1.32	0.53	5.00	NoLiq	25.48	80.65	1.159	0.0E0	0.000	1.561
30.05	0.69	1.32	0.53	5.00	NoLiq	25.55	80.78	1.155	0.0E0	0.000	1.561
30.00	0.70	1.32	0.53	5.00	NoLiq	25.62	80.90	1.151	0.0E0	0.000	1.561
29.95	0.70	1.32	0.53	5.00	NoLiq	25.62	80.92	1.151	0.0E0	0.000	1.561
29.90	0.70	1.32	0.53	5.00	NoLiq	25.63	80.94	1.150	0.0E0	0.000	1.561
29.85	0.70	1.32	0.53	5.00	NoLiq	25.64	80.96	1.149	0.0E0	0.000	1.561
29.80	0.70	1.32	0.53	5.00	NoLiq	25.65	80.98	1.149	0.0E0	0.000	1.561
29.75	0.70	1.32	0.53	5.00	NoLiq	25.66	80.99	1.148	0.0E0	0.000	1.561
29.70	0.70	1.32	0.53	5.00	NoLiq	25.67	81.01	1.148	0.0E0	0.000	1.561
29.65	0.70	1.32	0.53	5.00	NoLiq	25.68	81.03	1.147	0.0E0	0.000	1.561
29.60	0.70	1.32	0.53	5.00	NoLiq	25.69	81.05	1.146	0.0E0	0.000	1.561
29.55	0.70	1.32	0.53	5.00	NoLiq	25.70	81.07	1.146	0.0E0	0.000	1.561
29.50	0.70	1.32	0.53	5.00	NoLiq	25.71	81.09	1.145	0.0E0	0.000	1.561
29.45	0.70	1.32	0.53	5.00	NoLiq	25.72	81.10	1.145	0.0E0	0.000	1.561
29.40	0.70	1.32	0.53	5.00	NoLiq	25.73	81.12	1.144	0.0E0	0.000	1.561
29.35	0.70	1.32	0.53	5.00	NoLiq	25.74	81.14	1.144	0.0E0	0.000	1.561
29.30	0.70	1.32	0.53	5.00	NoLiq	25.75	81.16	1.143	0.0E0	0.000	1.561
29.25	0.70	1.32	0.53	5.00	NoLiq	25.75	81.18	1.142	0.0E0	0.000	1.561
29.20	0.70	1.32	0.53	5.00	NoLiq	25.76	81.20	1.142	0.0E0	0.000	1.561
29.15	0.70	1.32	0.53	5.00	NoLiq	25.77	81.21	1.141	0.0E0	0.000	1.561
29.10	0.70	1.32	0.53	5.00	NoLiq	25.78	81.23	1.141	0.0E0	0.000	1.561
29.05	0.70	1.32	0.53	5.00	NoLiq	25.79	81.25	1.140	0.0E0	0.000	1.561
29.00	0.70	1.32	0.53	5.00	NoLiq	25.80	81.27	1.139	0.0E0	0.000	1.561
28.95	0.70	1.32	0.53	5.00	NoLiq	25.81	81.29	1.139	0.0E0	0.000	1.561
28.90	0.70	1.32	0.53	5.00	NoLiq	25.82	81.31	1.138	0.0E0	0.000	1.561
28.85	0.70	1.32	0.53	5.00	NoLiq	25.83	81.32	1.138	0.0E0	0.000	1.561
28.80	0.70	1.32	0.53	5.00	NoLiq	25.84	81.34	1.137	0.0E0	0.000	1.561
28.75	0.70	1.32	0.53	5.00	NoLiq	25.85	81.36	1.137	0.0E0	0.000	1.561
28.70	0.70	1.32	0.53	5.00	NoLiq	25.86	81.38	1.136	0.0E0	0.000	1.561
28.65	0.70	1.32	0.53	5.00	NoLiq	25.87	81.40	1.135	0.0E0	0.000	1.561
28.60	0.70	1.32	0.53	5.00	NoLiq	25.88	81.42	1.135	0.0E0	0.000	1.561
28.55	0.70	1.32	0.53	5.00	NoLiq	25.89	81.44	1.134	0.0E0	0.000	1.561
28.50	0.70	1.32	0.53	5.00	NoLiq	25.90	81.45	1.134	0.0E0	0.000	1.561
28.45	0.70	1.32	0.53	5.00	NoLiq	25.91	81.47	1.133	0.0E0	0.000	1.561
28.40	0.70	1.32	0.53	5.00	NoLiq	25.92	81.49	1.132	0.0E0	0.000	1.561
28.35	0.70	1.32	0.53	5.00	NoLiq	25.93	81.51	1.132	0.0E0	0.000	1.561
28.30	0.70	1.32	0.53	5.00	NoLiq	25.94	81.53	1.131	0.0E0	0.000	1.561
28.25	0.70	1.32	0.53	5.00	NoLiq	25.94	81.55	1.131	0.0E0	0.000	1.561

28.20	0.70	1.32	0.53	5.00	NoLiq	25.95	81.57	1.130	0.0E0	0.000	1.561
28.15	0.70	1.32	0.53	5.00	NoLiq	25.96	81.59	1.129	0.0E0	0.000	1.561
28.10	0.70	1.32	0.53	5.00	NoLiq	25.97	81.60	1.129	0.0E0	0.000	1.561
28.05	0.70	1.32	0.53	5.00	NoLiq	25.98	81.62	1.128	0.0E0	0.000	1.561
28.00	0.70	1.32	0.53	5.00	NoLiq	25.99	81.64	1.128	0.0E0	0.000	1.561
27.95	0.70	1.32	0.53	5.00	NoLiq	26.00	81.66	1.127	0.0E0	0.000	1.561
27.90	0.70	1.32	0.53	5.00	NoLiq	26.01	81.68	1.126	0.0E0	0.000	1.561
27.85	0.70	1.32	0.53	5.00	NoLiq	24.97	79.66	1.191	0.0E0	0.000	1.561
27.80	0.70	1.32	0.53	5.00	NoLiq	24.98	79.68	1.191	0.0E0	0.000	1.561
27.75	0.70	1.32	0.53	5.00	NoLiq	24.99	79.70	1.190	0.0E0	0.000	1.561
27.70	0.70	1.32	0.53	5.00	NoLiq	25.00	79.72	1.190	0.0E0	0.000	1.561
27.65	0.70	1.32	0.53	5.00	NoLiq	25.01	79.73	1.189	0.0E0	0.000	1.561
27.60	0.70	1.32	0.53	5.00	NoLiq	25.02	79.75	1.189	0.0E0	0.000	1.561
27.55	0.70	1.32	0.53	5.00	NoLiq	25.03	79.77	1.188	0.0E0	0.000	1.561
27.50	0.70	1.32	0.53	5.00	NoLiq	25.04	79.79	1.187	0.0E0	0.000	1.561
27.45	0.70	1.32	0.53	5.00	NoLiq	25.04	79.80	1.187	0.0E0	0.000	1.561
27.40	0.70	1.32	0.53	5.00	NoLiq	25.05	79.82	1.186	0.0E0	0.000	1.561
27.35	0.70	1.32	0.53	5.00	NoLiq	25.06	79.84	1.186	0.0E0	0.000	1.561
27.30	0.70	1.32	0.53	5.00	NoLiq	25.07	79.86	1.185	0.0E0	0.000	1.561
27.25	0.70	1.32	0.53	5.00	NoLiq	25.08	79.88	1.184	0.0E0	0.000	1.561
27.20	0.70	1.32	0.53	5.00	NoLiq	25.09	79.89	1.184	0.0E0	0.000	1.561
27.15	0.70	1.32	0.53	5.00	NoLiq	25.10	79.91	1.183	0.0E0	0.000	1.561
27.10	0.70	1.32	0.53	5.00	NoLiq	25.11	79.93	1.183	0.0E0	0.000	1.561
27.05	0.70	1.32	0.53	5.00	NoLiq	25.12	79.95	1.182	0.0E0	0.000	1.561
27.00	0.70	1.32	0.53	5.00	NoLiq	25.13	79.96	1.182	0.0E0	0.000	1.561
26.95	0.70	1.32	0.53	5.00	NoLiq	25.14	79.98	1.181	0.0E0	0.000	1.561
26.90	0.70	1.32	0.53	5.00	NoLiq	25.15	80.00	1.180	0.0E0	0.000	1.561
26.85	0.70	1.32	0.53	5.00	NoLiq	25.16	80.02	1.180	0.0E0	0.000	1.561
26.80	0.70	1.32	0.53	5.00	NoLiq	25.17	80.04	1.179	0.0E0	0.000	1.561
26.75	0.70	1.32	0.53	5.00	NoLiq	25.18	80.05	1.179	0.0E0	0.000	1.561
26.70	0.70	1.32	0.53	5.00	NoLiq	25.18	80.07	1.178	0.0E0	0.000	1.561
26.65	0.70	1.32	0.53	5.00	NoLiq	25.19	80.09	1.177	0.0E0	0.000	1.561
26.60	0.70	1.32	0.53	5.00	NoLiq	25.20	80.11	1.177	0.0E0	0.000	1.561
26.55	0.70	1.32	0.53	5.00	NoLiq	25.21	80.13	1.176	0.0E0	0.000	1.561
26.50	0.70	1.32	0.53	5.00	NoLiq	25.22	80.15	1.176	0.0E0	0.000	1.561
26.45	0.70	1.32	0.53	5.00	NoLiq	25.23	80.16	1.175	0.0E0	0.000	1.561
26.40	0.70	1.32	0.53	5.00	NoLiq	25.24	80.18	1.174	0.0E0	0.000	1.561
26.35	0.70	1.32	0.53	5.00	NoLiq	25.25	80.20	1.174	0.0E0	0.000	1.561
26.30	0.70	1.32	0.53	5.00	NoLiq	25.26	80.22	1.173	0.0E0	0.000	1.561
26.25	0.70	1.32	0.53	5.00	NoLiq	25.27	80.24	1.173	0.0E0	0.000	1.561
26.20	0.70	1.32	0.53	5.00	NoLiq	25.28	80.26	1.172	0.0E0	0.000	1.561
26.15	0.70	1.32	0.53	5.00	NoLiq	25.29	80.27	1.172	0.0E0	0.000	1.561
26.10	0.70	1.32	0.53	5.00	NoLiq	25.30	80.29	1.171	0.0E0	0.000	1.561
26.05	0.70	1.32	0.53	5.00	NoLiq	25.31	80.31	1.170	0.0E0	0.000	1.561
26.00	0.70	1.32	0.53	5.00	NoLiq	25.32	80.33	1.170	0.0E0	0.000	1.561
25.95	0.70	1.32	0.53	5.00	NoLiq	25.33	80.35	1.169	0.0E0	0.000	1.561
25.90	0.70	1.32	0.53	5.00	NoLiq	25.34	80.37	1.169	0.0E0	0.000	1.561
25.85	0.70	1.32	0.53	5.00	NoLiq	25.35	80.38	1.168	0.0E0	0.000	1.561
25.80	0.70	1.32	0.53	5.00	NoLiq	25.36	80.40	1.167	0.0E0	0.000	1.561
25.75	0.70	1.32	0.53	5.00	NoLiq	25.37	80.42	1.167	0.0E0	0.000	1.561
25.70	0.70	1.32	0.53	5.00	NoLiq	25.38	80.44	1.166	0.0E0	0.000	1.561
25.65	0.70	1.32	0.53	5.00	NoLiq	25.39	80.46	1.165	0.0E0	0.000	1.561
25.60	0.70	1.32	0.53	5.00	NoLiq	25.40	80.48	1.165	0.0E0	0.000	1.561
25.55	0.70	1.32	0.53	5.00	NoLiq	25.40	80.50	1.164	0.0E0	0.000	1.561
25.50	0.70	1.32	0.53	5.00	NoLiq	25.41	80.52	1.164	0.0E0	0.000	1.561
25.45	0.70	1.32	0.53	5.00	NoLiq	25.42	80.53	1.163	0.0E0	0.000	1.561
25.40	0.70	1.32	0.53	5.00	NoLiq	25.43	80.55	1.162	0.0E0	0.000	1.561
25.35	0.70	1.32	0.53	5.00	NoLiq	25.44	80.57	1.162	0.0E0	0.000	1.561
25.30	0.70	1.32	0.53	5.00	NoLiq	25.45	80.59	1.161	0.0E0	0.000	1.561
25.25	0.70	1.32	0.53	5.00	NoLiq	25.46	80.61	1.161	0.0E0	0.000	1.561
25.20	0.70	1.32	0.53	5.00	NoLiq	25.47	80.63	1.160	0.0E0	0.000	1.561
25.15	0.70	1.32	0.53	5.00	NoLiq	25.48	80.65	1.159	0.0E0	0.000	1.561
25.10	0.70	1.32	0.53	5.00	NoLiq	25.49	80.67	1.159	0.0E0	0.000	1.561
25.05	0.70	1.32	0.53	5.00	NoLiq	25.50	80.69	1.158	0.0E0	0.000	1.561
25.00	0.70	1.32	0.53	5.00	NoLiq	25.51	80.71	1.158	0.0E0	0.000	1.561
24.95	0.70	1.32	0.53	5.00	NoLiq	25.73	81.12	1.144	0.0E0	0.000	1.561
24.90	0.70	1.32	0.53	5.00	NoLiq	25.94	81.54	1.131	0.0E0	0.000	1.561
24.85	0.70	1.32	0.53	5.00	NoLiq	26.16	81.97	1.117	0.0E0	0.000	1.561
24.80	0.70	1.32	0.53	5.00	NoLiq	26.37	82.40	1.104	0.0E0	0.000	1.561
24.75	0.70	1.32	0.53	5.00	NoLiq	26.59	82.83	1.090	0.0E0	0.000	1.561
24.70	0.70	1.32	0.53	5.00	NoLiq	26.81	83.26	1.077	0.0E0	0.000	1.561
24.65	0.70	1.32	0.53	5.00	NoLiq	27.02	83.70	1.063	0.0E0	0.000	1.561
24.60	0.70	1.32	0.53	5.00	NoLiq	27.24	84.14	1.050	0.0E0	0.000	1.561

24.55	0.70	1.32	0.53	5.00	NoLiq	27.46	84.58	1.036	0.0E0	0.000	1.561
24.50	0.70	1.32	0.53	5.00	NoLiq	27.67	85.03	1.023	0.0E0	0.000	1.561
24.45	0.70	1.32	0.53	5.00	NoLiq	27.89	85.48	1.009	0.0E0	0.000	1.561
24.40	0.70	1.32	0.53	5.00	NoLiq	28.11	85.93	0.991	0.0E0	0.000	1.561
24.35	0.70	1.32	0.53	5.00	NoLiq	28.32	86.39	0.963	0.0E0	0.000	1.561
24.30	0.70	1.32	0.53	5.00	NoLiq	28.54	86.86	0.935	0.0E0	0.000	1.561
24.25	0.70	1.32	0.53	5.00	NoLiq	28.76	87.32	0.907	0.0E0	0.000	1.561
24.20	0.70	1.32	0.53	5.00	NoLiq	28.98	87.80	0.880	0.0E0	0.000	1.561
24.15	0.70	1.32	0.53	5.00	NoLiq	29.20	88.27	0.852	0.0E0	0.000	1.561
24.10	0.70	1.32	0.53	5.00	NoLiq	29.42	88.75	0.824	0.0E0	0.000	1.561
24.05	0.70	1.32	0.53	5.00	NoLiq	29.64	89.24	0.796	0.0E0	0.000	1.561
24.00	0.70	1.32	0.53	5.00	NoLiq	29.87	89.76	0.766	0.0E0	0.000	1.561
23.95	0.70	1.32	0.53	5.00	NoLiq	30.10	90.28	0.737	0.0E0	0.000	1.561
23.90	0.70	1.32	0.53	5.00	NoLiq	30.33	90.81	0.707	0.0E0	0.000	1.561
23.85	0.70	1.32	0.53	5.00	NoLiq	30.57	91.35	0.677	0.0E0	0.000	1.561
23.80	0.70	1.32	0.53	5.00	NoLiq	30.80	91.90	0.647	0.0E0	0.000	1.561
23.75	0.70	1.32	0.53	5.00	NoLiq	31.04	92.45	0.617	0.0E0	0.000	1.561
23.70	0.70	1.32	0.53	5.00	NoLiq	31.27	93.00	0.587	0.0E0	0.000	1.561
23.65	0.70	1.32	0.53	5.00	NoLiq	31.51	93.57	0.557	0.0E0	0.000	1.561
23.60	0.70	1.32	0.53	5.00	NoLiq	31.74	94.14	0.527	0.0E0	0.000	1.561
23.55	0.70	1.32	0.53	5.00	NoLiq	31.98	94.71	0.495	0.0E0	0.000	1.561
23.50	0.70	1.32	0.53	5.00	NoLiq	32.22	95.30	0.449	0.0E0	0.000	1.561
23.45	0.70	1.32	0.53	5.00	NoLiq	32.46	95.89	0.403	0.0E0	0.000	1.561
23.40	0.70	1.32	0.53	5.00	NoLiq	32.69	96.49	0.357	0.0E0	0.000	1.561
23.35	0.70	1.32	0.53	5.00	NoLiq	32.93	97.10	0.310	0.0E0	0.000	1.561
23.30	0.70	1.32	0.53	5.00	NoLiq	33.17	97.71	0.264	0.0E0	0.000	1.561
23.25	0.70	1.32	0.53	5.00	NoLiq	33.41	98.34	0.217	0.0E0	0.000	1.561
23.20	0.70	1.32	0.53	5.00	NoLiq	33.65	98.97	0.195	0.0E0	0.000	1.561
23.15	0.70	1.32	0.53	5.00	NoLiq	33.89	99.61	0.187	0.0E0	0.000	1.561
23.10	0.70	1.32	0.53	5.00	NoLiq	34.14	100.00	0.180	0.0E0	0.000	1.561
23.05	0.70	1.32	0.53	5.00	NoLiq	34.38	100.00	0.172	0.0E0	0.000	1.561
23.00	0.70	1.32	0.53	5.00	NoLiq	34.62	100.00	0.164	0.0E0	0.000	1.561
22.95	0.70	1.32	0.53	5.00	NoLiq	34.86	100.00	0.156	0.0E0	0.000	1.561
22.90	0.70	1.32	0.53	5.00	NoLiq	35.11	100.00	0.148	0.0E0	0.000	1.561
22.85	0.70	1.32	0.53	5.00	NoLiq	35.35	100.00	0.140	0.0E0	0.000	1.561
22.80	0.70	1.32	0.53	5.00	NoLiq	35.60	100.00	0.132	0.0E0	0.000	1.561
22.75	0.70	1.32	0.53	5.00	NoLiq	35.84	100.00	0.124	0.0E0	0.000	1.561
22.70	0.70	1.32	0.53	5.00	NoLiq	36.09	100.00	0.116	0.0E0	0.000	1.561
22.65	0.70	1.32	0.53	5.00	NoLiq	36.34	100.00	0.108	0.0E0	0.000	1.561
22.60	0.70	1.32	0.53	5.00	NoLiq	36.58	100.00	0.101	0.0E0	0.000	1.561
22.55	0.70	1.32	0.53	5.00	NoLiq	36.83	100.00	0.000	0.0E0	0.000	1.561
22.50	0.70	1.32	0.53	5.00	NoLiq	37.08	100.00	0.000	0.0E0	0.000	1.561
22.45	0.70	1.32	0.53	5.00	NoLiq	37.33	100.00	0.000	0.0E0	0.000	1.561
22.40	0.70	1.32	0.53	5.00	NoLiq	37.58	100.00	0.000	0.0E0	0.000	1.561
22.35	0.70	1.32	0.53	5.00	NoLiq	37.83	100.00	0.000	0.0E0	0.000	1.561
22.30	0.70	1.32	0.53	5.00	NoLiq	38.08	100.00	0.000	0.0E0	0.000	1.561
22.25	0.70	1.32	0.53	5.00	NoLiq	38.33	100.00	0.000	0.0E0	0.000	1.561
22.20	0.70	1.32	0.53	5.00	NoLiq	38.58	100.00	0.000	0.0E0	0.000	1.561
22.15	0.70	1.32	0.53	5.00	NoLiq	38.84	100.00	0.000	0.0E0	0.000	1.561
22.10	0.70	1.32	0.53	5.00	NoLiq	39.09	100.00	0.000	0.0E0	0.000	1.561
22.05	0.70	1.32	0.53	5.00	NoLiq	39.34	100.00	0.000	0.0E0	0.000	1.561
22.00	0.70	1.32	0.53	5.00	NoLiq	39.60	100.00	0.000	0.0E0	0.000	1.561
21.95	0.70	1.32	0.53	5.00	NoLiq	39.85	100.00	0.000	0.0E0	0.000	1.561
21.90	0.70	1.32	0.53	5.00	NoLiq	40.11	100.00	0.000	0.0E0	0.000	1.561
21.85	0.70	1.32	0.53	5.00	NoLiq	40.36	100.00	0.000	0.0E0	0.000	1.561
21.80	0.70	1.32	0.53	5.00	NoLiq	40.62	100.00	0.000	0.0E0	0.000	1.561
21.75	0.70	1.32	0.53	5.00	NoLiq	40.88	100.00	0.000	0.0E0	0.000	1.561
21.70	0.70	1.32	0.53	5.00	NoLiq	41.14	100.00	0.000	0.0E0	0.000	1.561
21.65	0.70	1.32	0.53	5.00	NoLiq	41.40	100.00	0.000	0.0E0	0.000	1.561
21.60	0.71	1.32	0.53	5.00	NoLiq	41.65	100.00	0.000	0.0E0	0.000	1.561
21.55	0.71	1.32	0.53	5.00	NoLiq	41.91	100.00	0.000	0.0E0	0.000	1.561
21.50	0.71	1.32	0.53	5.00	NoLiq	42.18	100.00	0.000	0.0E0	0.000	1.561
21.45	0.71	1.32	0.53	5.00	NoLiq	42.44	100.00	0.000	0.0E0	0.000	1.561
21.40	0.71	1.32	0.53	5.00	NoLiq	42.70	100.00	0.000	0.0E0	0.000	1.561
21.35	0.71	1.32	0.53	5.00	NoLiq	42.96	100.00	0.000	0.0E0	0.000	1.561
21.30	0.71	1.32	0.53	5.00	NoLiq	43.23	100.00	0.000	0.0E0	0.000	1.561
21.25	0.71	1.32	0.53	5.00	NoLiq	43.49	100.00	0.000	0.0E0	0.000	1.561
21.20	0.71	1.32	0.53	5.00	NoLiq	43.75	100.00	0.000	0.0E0	0.000	1.561
21.15	0.71	1.32	0.53	5.00	NoLiq	44.02	100.00	0.000	0.0E0	0.000	1.561
21.10	0.71	1.32	0.53	5.00	NoLiq	44.29	100.00	0.000	0.0E0	0.000	1.561
21.05	0.71	1.32	0.53	5.00	NoLiq	44.55	100.00	0.000	0.0E0	0.000	1.561
21.00	0.71	1.32	0.53	5.00	NoLiq	44.82	100.00	0.000	0.0E0	0.000	1.561
20.95	0.71	1.32	0.54	5.00	NoLiq	45.09	100.00	0.000	0.0E0	0.000	1.561

20.90	0.71	1.32	0.54	5.00	NoLiq	45.36	100.00	0.000	0.0E0	0.000	1.561
20.85	0.71	1.32	0.54	5.00	NoLiq	45.63	100.00	0.000	0.0E0	0.000	1.561
20.80	0.71	1.32	0.54	5.00	NoLiq	45.90	100.00	0.000	0.0E0	0.000	1.561
20.75	0.71	1.32	0.54	5.00	NoLiq	46.17	100.00	0.000	0.0E0	0.000	1.561
20.70	0.71	1.32	0.54	5.00	NoLiq	46.44	100.00	0.000	0.0E0	0.000	1.561
20.65	0.71	1.32	0.54	5.00	NoLiq	46.71	100.00	0.000	0.0E0	0.000	1.561
20.60	0.71	1.32	0.54	5.00	NoLiq	46.98	100.00	0.000	0.0E0	0.000	1.561
20.55	0.71	1.32	0.54	5.00	NoLiq	47.26	100.00	0.000	0.0E0	0.000	1.561
20.50	0.71	1.32	0.54	5.00	NoLiq	47.53	100.00	0.000	0.0E0	0.000	1.561
20.45	0.71	1.32	0.54	5.00	NoLiq	47.81	100.00	0.000	0.0E0	0.000	1.561
20.40	0.71	1.32	0.54	5.00	NoLiq	48.08	100.00	0.000	0.0E0	0.000	1.561
20.35	0.71	1.32	0.54	5.00	NoLiq	48.36	100.00	0.000	0.0E0	0.000	1.561
20.30	0.71	1.32	0.54	5.00	NoLiq	48.64	100.00	0.000	0.0E0	0.000	1.561
20.25	0.71	1.32	0.54	5.00	NoLiq	48.92	100.00	0.000	0.0E0	0.000	1.561
20.20	0.71	1.32	0.54	5.00	NoLiq	49.19	100.00	0.000	0.0E0	0.000	1.561
20.15	0.71	1.32	0.54	5.00	NoLiq	49.47	100.00	0.000	0.0E0	0.000	1.561
20.10	0.71	1.32	0.54	5.00	NoLiq	49.75	100.00	0.000	0.0E0	0.000	1.561
20.05	0.71	1.32	0.54	5.00	NoLiq	50.04	100.00	0.000	0.0E0	0.000	1.561
20.00	0.71	1.32	0.54	0.93	NoLiq	50.32	100.00	0.000	0.0E0	0.000	1.561
19.95	0.71	1.32	0.54	0.93	99.99	50.37	100.00	0.000	0.0E0	0.000	1.561
19.90	0.71	1.32	0.54	0.93	98.98	50.43	100.00	0.000	0.0E0	0.000	1.561
19.85	0.71	1.32	0.54	0.93	97.97	50.49	100.00	0.000	0.0E0	0.000	1.561
19.80	0.71	1.32	0.54	0.93	96.96	50.54	100.00	0.000	0.0E0	0.000	1.561
19.75	0.71	1.32	0.54	0.93	95.95	50.60	100.00	0.000	0.0E0	0.000	1.561
19.70	0.71	1.32	0.54	0.93	94.94	50.66	100.00	0.000	0.0E0	0.000	1.561
19.65	0.71	1.32	0.54	0.93	93.93	50.71	100.00	0.000	0.0E0	0.000	1.561
19.60	0.71	1.32	0.54	0.93	92.92	50.77	100.00	0.000	0.0E0	0.000	1.561
19.55	0.71	1.32	0.54	0.93	91.91	50.83	100.00	0.000	0.0E0	0.000	1.561
19.50	0.71	1.32	0.54	0.93	90.90	50.89	100.00	0.000	0.0E0	0.000	1.561
19.45	0.71	1.32	0.54	0.93	89.89	50.95	100.00	0.000	0.0E0	0.000	1.561
19.40	0.71	1.32	0.54	0.93	88.88	51.00	100.00	0.000	0.0E0	0.000	1.561
19.35	0.71	1.32	0.54	0.93	87.87	51.06	100.00	0.000	0.0E0	0.000	1.561
19.30	0.71	1.32	0.54	0.93	86.86	51.12	100.00	0.000	0.0E0	0.000	1.561
19.25	0.71	1.32	0.54	0.93	85.85	51.18	100.00	0.000	0.0E0	0.000	1.561
19.20	0.71	1.32	0.54	0.93	84.84	51.24	100.00	0.000	0.0E0	0.000	1.561
19.15	0.71	1.32	0.54	0.93	83.83	51.30	100.00	0.000	0.0E0	0.000	1.561
19.10	0.71	1.32	0.54	0.93	82.82	51.36	100.00	0.000	0.0E0	0.000	1.561
19.05	0.71	1.32	0.54	0.93	81.81	51.42	100.00	0.000	0.0E0	0.000	1.561
19.00	0.71	1.32	0.54	0.93	80.80	51.48	100.00	0.000	0.0E0	0.000	1.561
18.95	0.71	1.32	0.54	0.93	79.79	51.54	100.00	0.000	0.0E0	0.000	1.561
18.90	0.71	1.32	0.54	0.93	78.78	51.60	100.00	0.000	0.0E0	0.000	1.561
18.85	0.71	1.32	0.54	0.93	77.77	51.66	100.00	0.000	0.0E0	0.000	1.561
18.80	0.71	1.32	0.54	0.93	76.76	51.73	100.00	0.000	0.0E0	0.000	1.561
18.75	0.71	1.32	0.54	0.93	75.75	51.79	100.00	0.000	0.0E0	0.000	1.561
18.70	0.71	1.32	0.54	0.93	74.74	51.85	100.00	0.000	0.0E0	0.000	1.561
18.65	0.71	1.32	0.54	0.93	73.73	51.91	100.00	0.000	0.0E0	0.000	1.561
18.60	0.71	1.32	0.54	0.93	72.72	51.97	100.00	0.000	0.0E0	0.000	1.561
18.55	0.71	1.32	0.54	0.93	71.71	52.04	100.00	0.000	0.0E0	0.000	1.561
18.50	0.71	1.32	0.54	0.93	70.70	52.10	100.00	0.000	0.0E0	0.000	1.561
18.45	0.71	1.32	0.54	0.93	69.69	52.16	100.00	0.000	0.0E0	0.000	1.561
18.40	0.71	1.32	0.54	0.93	68.68	52.23	100.00	0.000	0.0E0	0.000	1.561
18.35	0.71	1.32	0.54	0.93	67.67	52.29	100.00	0.000	0.0E0	0.000	1.561
18.30	0.71	1.32	0.54	0.93	66.66	52.36	100.00	0.000	0.0E0	0.000	1.561
18.25	0.71	1.32	0.54	0.93	65.65	52.42	100.00	0.000	0.0E0	0.000	1.561
18.20	0.71	1.32	0.54	0.93	64.64	52.49	100.00	0.000	0.0E0	0.000	1.561
18.15	0.71	1.32	0.54	0.93	63.63	52.55	100.00	0.000	0.0E0	0.000	1.561
18.10	0.71	1.32	0.54	0.93	62.62	52.62	100.00	0.000	0.0E0	0.000	1.561
18.05	0.71	1.32	0.54	0.93	61.61	52.68	100.00	0.000	0.0E0	0.000	1.561
18.00	0.71	1.32	0.54	0.93	60.60	52.75	100.00	0.000	0.0E0	0.000	1.561
17.95	0.71	1.32	0.54	0.93	59.59	52.81	100.00	0.000	0.0E0	0.000	1.561
17.90	0.71	1.32	0.54	0.93	58.58	52.88	100.00	0.000	0.0E0	0.000	1.561
17.85	0.71	1.32	0.54	0.93	57.57	52.95	100.00	0.000	0.0E0	0.000	1.561
17.80	0.71	1.32	0.54	0.93	56.56	53.02	100.00	0.000	0.0E0	0.000	1.561
17.75	0.71	1.32	0.54	0.93	55.55	53.08	100.00	0.000	0.0E0	0.000	1.561
17.70	0.71	1.32	0.54	0.93	54.54	53.15	100.00	0.000	0.0E0	0.000	1.561
17.65	0.71	1.32	0.54	0.93	53.53	53.22	100.00	0.000	0.0E0	0.000	1.561
17.60	0.71	1.32	0.54	0.93	52.52	53.29	100.00	0.000	0.0E0	0.000	1.561
17.55	0.71	1.32	0.54	0.93	51.51	53.36	100.00	0.000	0.0E0	0.000	1.561
17.50	0.71	1.32	0.54	0.93	50.50	53.43	100.00	0.000	0.0E0	0.000	1.561
17.45	0.71	1.32	0.54	0.93	49.49	53.50	100.00	0.000	0.0E0	0.000	1.561
17.40	0.71	1.32	0.54	0.93	48.48	53.57	100.00	0.000	0.0E0	0.000	1.561
17.35	0.71	1.32	0.54	0.93	47.47	53.64	100.00	0.000	0.0E0	0.000	1.561
17.30	0.71	1.32	0.54	0.93	46.46	53.71	100.00	0.000	0.0E0	0.000	1.561

17.25	0.71	1.32	0.54	0.93	45.45	53.78	100.00	0.000	0.0E0	0.000	1.561
17.20	0.71	1.32	0.54	0.93	44.44	53.85	100.00	0.000	0.0E0	0.000	1.561
17.15	0.71	1.32	0.54	0.93	43.43	53.92	100.00	0.000	0.0E0	0.000	1.561
17.10	0.71	1.32	0.54	0.93	42.42	53.99	100.00	0.000	0.0E0	0.000	1.561
17.05	0.71	1.32	0.54	0.93	41.41	54.06	100.00	0.000	0.0E0	0.000	1.561
17.00	0.71	1.32	0.54	0.93	40.40	54.14	100.00	0.000	0.0E0	0.000	1.561
16.95	0.71	1.32	0.54	0.93	39.39	54.21	100.00	0.000	0.0E0	0.000	1.561
16.90	0.71	1.32	0.54	0.93	38.38	54.28	100.00	0.000	0.0E0	0.000	1.561
16.85	0.71	1.32	0.54	0.93	37.37	54.36	100.00	0.000	0.0E0	0.000	1.561
16.80	0.71	1.32	0.54	0.93	36.36	54.43	100.00	0.000	0.0E0	0.000	1.561
16.75	0.71	1.32	0.54	0.93	35.35	54.51	100.00	0.000	0.0E0	0.000	1.561
16.70	0.71	1.32	0.54	0.93	34.34	54.17	100.00	0.000	0.0E0	0.000	1.561
16.65	0.71	1.32	0.54	0.93	33.33	53.83	100.00	0.000	0.0E0	0.000	1.561
16.60	0.71	1.32	0.54	0.93	32.32	53.49	100.00	0.000	0.0E0	0.000	1.561
16.55	0.71	1.32	0.54	0.93	31.31	53.15	100.00	0.000	0.0E0	0.000	1.561
16.50	0.71	1.32	0.54	0.93	30.30	52.81	100.00	0.000	0.0E0	0.000	1.561
16.45	0.71	1.32	0.54	0.93	29.29	52.47	100.00	0.000	0.0E0	0.000	1.561
16.40	0.71	1.32	0.54	0.93	28.28	52.13	100.00	0.000	0.0E0	0.000	1.561
16.35	0.71	1.32	0.54	0.93	27.27	51.79	100.00	0.000	0.0E0	0.000	1.561
16.30	0.71	1.32	0.54	0.92	26.26	51.45	100.00	0.000	0.0E0	0.000	1.561
16.25	0.71	1.32	0.54	0.92	25.25	51.10	100.00	0.000	0.0E0	0.000	1.561
16.20	0.71	1.32	0.54	0.92	24.24	50.75	100.00	0.000	0.0E0	0.000	1.561
16.15	0.71	1.32	0.54	0.92	23.23	50.40	100.00	0.000	0.0E0	0.000	1.561
16.10	0.71	1.32	0.54	0.92	22.22	50.03	100.00	0.000	0.0E0	0.000	1.561
16.05	0.71	1.32	0.54	0.92	21.21	49.66	100.00	0.000	0.0E0	0.000	1.561
16.00	0.71	1.32	0.54	0.92	20.20	49.28	100.00	0.000	0.0E0	0.000	1.561
15.95	0.71	1.32	0.54	0.92	19.19	48.89	100.00	0.000	0.0E0	0.000	1.561
15.90	0.71	1.32	0.54	0.92	18.18	48.49	100.00	0.000	0.0E0	0.000	1.561
15.85	0.71	1.32	0.54	0.92	17.17	48.07	100.00	0.000	0.0E0	0.000	1.561
15.80	0.71	1.32	0.54	0.92	16.16	47.64	100.00	0.000	0.0E0	0.000	1.561
15.75	0.71	1.32	0.54	0.92	15.15	47.19	100.00	0.000	0.0E0	0.000	1.561
15.70	0.71	1.32	0.54	0.92	14.14	46.72	100.00	0.000	0.0E0	0.000	1.561
15.65	0.71	1.32	0.54	0.92	13.13	46.24	100.00	0.000	0.0E0	0.000	1.561
15.60	0.71	1.32	0.54	0.92	12.12	45.74	100.00	0.000	0.0E0	0.000	1.561
15.55	0.71	1.32	0.54	0.92	11.11	45.24	100.00	0.000	0.0E0	0.000	1.561
15.50	0.72	1.32	0.54	0.92	10.10	44.76	100.00	0.000	0.0E0	0.000	1.561
15.45	0.72	1.32	0.54	0.92	9.09	44.31	100.00	0.000	0.0E0	0.000	1.561
15.40	0.72	1.32	0.54	0.92	8.08	43.93	100.00	0.000	0.0E0	0.000	1.561
15.35	0.72	1.32	0.54	0.92	7.07	43.63	100.00	0.000	0.0E0	0.000	1.561
15.30	0.72	1.32	0.54	0.92	6.06	43.44	100.00	0.000	0.0E0	0.000	1.561
15.25	0.72	1.32	0.54	0.92	5.05	43.33	100.00	0.000	0.0E0	0.000	1.561
15.20	0.72	1.32	0.54	0.92	4.04	43.34	100.00	0.000	0.0E0	0.000	1.561
15.15	0.72	1.32	0.54	0.92	3.03	43.41	100.00	0.000	0.0E0	0.000	1.561
15.10	0.72	1.32	0.54	0.92	2.02	43.49	100.00	0.000	0.0E0	0.000	1.561
15.05	0.72	1.32	0.54	0.92	1.01	43.56	100.00	0.000	0.0E0	0.000	1.561
15.00	0.72	1.32	0.54	0.92	0.00	43.63	100.00	0.000	0.0E0	0.000	1.561
14.95	0.72	1.32	0.54	0.92	0.00	43.65	100.00	0.000	0.0E0	0.000	1.561
14.90	0.72	1.32	0.54	0.92	0.00	43.67	100.00	0.000	0.0E0	0.000	1.561
14.85	0.72	1.32	0.54	0.92	0.00	43.68	100.00	0.000	0.0E0	0.000	1.561
14.80	0.72	1.32	0.54	0.92	0.00	43.70	100.00	0.000	0.0E0	0.000	1.561
14.75	0.72	1.32	0.54	0.92	0.00	39.11	100.00	0.000	0.0E0	0.000	1.561
14.70	0.72	1.32	0.54	0.92	0.00	39.13	100.00	0.000	0.0E0	0.000	1.561
14.65	0.72	1.32	0.54	0.92	0.00	39.14	100.00	0.000	0.0E0	0.000	1.561
14.60	0.72	1.32	0.54	0.92	0.00	39.15	100.00	0.000	0.0E0	0.000	1.561
14.55	0.72	1.32	0.54	0.92	0.00	39.17	100.00	0.000	0.0E0	0.000	1.561
14.50	0.72	1.32	0.54	0.92	0.00	39.18	100.00	0.000	0.0E0	0.000	1.561
14.45	0.72	1.32	0.54	0.92	0.00	39.20	100.00	0.000	0.0E0	0.000	1.561
14.40	0.72	1.32	0.54	0.92	0.00	39.22	100.00	0.000	0.0E0	0.000	1.561
14.35	0.72	1.32	0.54	0.92	0.00	39.23	100.00	0.000	0.0E0	0.000	1.561
14.30	0.72	1.32	0.54	0.92	0.00	39.25	100.00	0.000	0.0E0	0.000	1.561
14.25	0.72	1.32	0.54	0.92	0.00	39.26	100.00	0.000	0.0E0	0.000	1.561
14.20	0.72	1.32	0.54	0.92	0.00	39.28	100.00	0.000	0.0E0	0.000	1.561
14.15	0.72	1.32	0.55	0.92	0.00	39.30	100.00	0.000	0.0E0	0.000	1.561
14.10	0.72	1.32	0.55	0.92	0.00	39.31	100.00	0.000	0.0E0	0.000	1.561
14.05	0.72	1.32	0.55	0.92	0.00	39.33	100.00	0.000	0.0E0	0.000	1.561
14.00	0.72	1.32	0.55	0.92	0.00	39.35	100.00	0.000	0.0E0	0.000	1.561
13.95	0.72	1.32	0.55	0.92	0.00	39.36	100.00	0.000	0.0E0	0.000	1.561
13.90	0.72	1.32	0.55	0.92	0.00	39.38	100.00	0.000	0.0E0	0.000	1.561
13.85	0.72	1.32	0.55	0.92	0.00	39.40	100.00	0.000	0.0E0	0.000	1.561
13.80	0.72	1.32	0.55	0.92	0.00	39.42	100.00	0.000	0.0E0	0.000	1.561
13.75	0.72	1.32	0.55	0.92	0.00	39.44	100.00	0.000	0.0E0	0.000	1.561
13.70	0.72	1.32	0.55	0.92	0.00	39.45	100.00	0.000	0.0E0	0.000	1.561
13.65	0.72	1.32	0.55	0.92	0.00	39.47	100.00	0.000	0.0E0	0.000	1.561

13.60	0.72	1.32	0.55	0.91	0.00	39.49	100.00	0.000	0.0E0	0.000	1.561
13.55	0.72	1.32	0.55	0.91	0.00	39.51	100.00	0.000	0.0E0	0.000	1.561
13.50	0.72	1.32	0.55	0.91	0.00	39.53	100.00	0.000	0.0E0	0.000	1.561
13.45	0.72	1.32	0.55	0.91	0.00	39.55	100.00	0.000	0.0E0	0.000	1.561
13.40	0.72	1.32	0.55	0.91	0.00	39.57	100.00	0.000	0.0E0	0.000	1.561
13.35	0.72	1.32	0.55	0.91	0.00	39.59	100.00	0.000	0.0E0	0.000	1.561
13.30	0.72	1.32	0.55	0.91	0.00	39.61	100.00	0.000	0.0E0	0.000	1.561
13.25	0.72	1.32	0.55	0.91	0.00	39.63	100.00	0.000	0.0E0	0.000	1.561
13.20	0.72	1.32	0.55	0.91	0.00	39.65	100.00	0.000	0.0E0	0.000	1.561
13.15	0.72	1.32	0.55	0.91	0.00	39.67	100.00	0.000	0.0E0	0.000	1.561
13.10	0.72	1.32	0.55	0.91	0.00	39.69	100.00	0.000	0.0E0	0.000	1.561
13.05	0.72	1.32	0.55	0.91	0.00	39.72	100.00	0.000	0.0E0	0.000	1.561
13.00	0.72	1.32	0.55	0.91	0.00	39.74	100.00	0.000	0.0E0	0.000	1.561
12.95	0.72	1.32	0.55	0.91	0.00	39.76	100.00	0.000	0.0E0	0.000	1.561
12.90	0.72	1.32	0.55	0.91	0.00	39.78	100.00	0.000	0.0E0	0.000	1.561
12.85	0.72	1.32	0.55	0.91	0.00	39.81	100.00	0.000	0.0E0	0.000	1.561
12.80	0.72	1.32	0.55	0.91	0.00	39.83	100.00	0.000	0.0E0	0.000	1.561
12.75	0.72	1.32	0.55	0.91	0.00	39.85	100.00	0.000	0.0E0	0.000	1.561
12.70	0.72	1.32	0.55	0.91	0.00	39.87	100.00	0.000	0.0E0	0.000	1.561
12.65	0.72	1.32	0.55	0.91	0.00	39.90	100.00	0.000	0.0E0	0.000	1.561
12.60	0.72	1.32	0.55	0.91	0.00	39.92	100.00	0.000	0.0E0	0.000	1.561
12.55	0.72	1.32	0.55	0.91	0.00	39.95	100.00	0.000	0.0E0	0.000	1.561
12.50	0.73	1.32	0.55	0.91	0.00	39.97	100.00	0.000	0.0E0	0.000	1.561
12.45	0.73	1.32	0.55	0.91	0.00	40.00	100.00	0.000	0.0E0	0.000	1.561
12.40	0.73	1.32	0.55	0.91	0.00	40.02	100.00	0.000	0.0E0	0.000	1.561
12.35	0.73	1.32	0.55	0.91	0.00	40.05	100.00	0.000	0.0E0	0.000	1.561
12.30	0.73	1.32	0.55	0.91	0.00	40.07	100.00	0.000	0.0E0	0.000	1.561
12.25	0.73	1.32	0.55	0.91	0.00	40.10	100.00	0.000	0.0E0	0.000	1.561
12.20	0.73	1.32	0.55	0.91	0.00	40.13	100.00	0.000	0.0E0	0.000	1.561
12.15	0.73	1.32	0.55	0.91	0.00	40.15	100.00	0.000	0.0E0	0.000	1.561
12.10	0.73	1.32	0.55	0.91	0.00	40.18	100.00	0.000	0.0E0	0.000	1.561
12.05	0.73	1.32	0.55	0.91	0.00	40.21	100.00	0.000	0.0E0	0.000	1.561
12.00	0.73	1.32	0.55	0.91	0.00	40.23	100.00	0.000	0.0E0	0.000	1.561
11.95	0.73	1.32	0.55	0.91	0.00	40.26	100.00	0.000	0.0E0	0.000	1.561
11.90	0.73	1.32	0.55	0.91	0.00	40.29	100.00	0.000	0.0E0	0.000	1.561
11.85	0.73	1.32	0.55	0.91	0.00	40.32	100.00	0.000	0.0E0	0.000	1.561
11.80	0.73	1.32	0.55	0.91	0.00	40.35	100.00	0.000	0.0E0	0.000	1.561
11.75	0.73	1.32	0.55	0.91	0.00	40.38	100.00	0.000	0.0E0	0.000	1.561
11.70	0.73	1.32	0.55	0.91	0.00	40.41	100.00	0.000	0.0E0	0.000	1.561
11.65	0.73	1.32	0.55	0.90	0.00	40.44	100.00	0.000	0.0E0	0.000	1.561
11.60	0.73	1.32	0.55	0.90	0.00	40.47	100.00	0.000	0.0E0	0.000	1.561
11.55	0.73	1.32	0.55	0.90	0.00	40.50	100.00	0.000	0.0E0	0.000	1.561
11.50	0.73	1.32	0.55	0.90	0.00	40.53	100.00	0.000	0.0E0	0.000	1.561
11.45	0.73	1.32	0.55	0.90	0.00	40.56	100.00	0.000	0.0E0	0.000	1.561
11.40	0.73	1.32	0.55	0.90	0.00	40.59	100.00	0.000	0.0E0	0.000	1.561
11.35	0.73	1.32	0.55	0.90	0.00	40.63	100.00	0.000	0.0E0	0.000	1.561
11.30	0.73	1.32	0.55	0.90	0.00	40.66	100.00	0.000	0.0E0	0.000	1.561
11.25	0.73	1.32	0.55	0.90	0.00	40.69	100.00	0.000	0.0E0	0.000	1.561
11.20	0.73	1.32	0.55	0.90	0.00	40.73	100.00	0.000	0.0E0	0.000	1.561
11.15	0.73	1.32	0.55	0.90	0.00	40.76	100.00	0.000	0.0E0	0.000	1.561
11.10	0.73	1.32	0.55	0.90	0.00	40.79	100.00	0.000	0.0E0	0.000	1.561
11.05	0.73	1.32	0.55	0.90	0.00	40.83	100.00	0.000	0.0E0	0.000	1.561
11.00	0.73	1.32	0.56	0.90	0.00	40.86	100.00	0.000	0.0E0	0.000	1.561
10.95	0.73	1.32	0.56	0.90	0.00	40.90	100.00	0.000	0.0E0	0.000	1.561
10.90	0.73	1.32	0.56	0.90	0.00	40.94	100.00	0.000	0.0E0	0.000	1.561
10.85	0.73	1.32	0.56	0.90	0.00	40.97	100.00	0.000	0.0E0	0.000	1.561
10.80	0.73	1.32	0.56	0.90	0.00	41.01	100.00	0.000	0.0E0	0.000	1.561
10.75	0.73	1.32	0.56	0.90	0.00	41.05	100.00	0.000	0.0E0	0.000	1.561
10.70	0.73	1.32	0.56	0.90	0.00	41.08	100.00	0.000	0.0E0	0.000	1.561
10.65	0.73	1.32	0.56	0.90	0.00	41.12	100.00	0.000	0.0E0	0.000	1.561
10.60	0.73	1.32	0.56	0.90	0.00	41.16	100.00	0.000	0.0E0	0.000	1.561
10.55	0.73	1.32	0.56	0.90	0.00	41.20	100.00	0.000	0.0E0	0.000	1.561
10.50	0.74	1.32	0.56	0.90	0.00	41.24	100.00	0.000	0.0E0	0.000	1.561
10.45	0.74	1.32	0.56	0.90	0.00	41.28	100.00	0.000	0.0E0	0.000	1.561
10.40	0.74	1.32	0.56	0.90	0.00	41.32	100.00	0.000	0.0E0	0.000	1.561
10.35	0.74	1.32	0.56	0.90	0.00	41.36	100.00	0.000	0.0E0	0.000	1.561
10.30	0.74	1.32	0.56	0.90	0.00	41.40	100.00	0.000	0.0E0	0.000	1.561
10.25	0.74	1.32	0.56	0.90	0.00	41.45	100.00	0.000	0.0E0	0.000	1.561
10.20	0.74	1.32	0.56	0.89	0.00	41.49	100.00	0.000	0.0E0	0.000	1.561
10.15	0.74	1.32	0.56	0.89	0.00	41.53	100.00	0.000	0.0E0	0.000	1.561
10.10	0.74	1.32	0.56	0.89	0.00	41.58	100.00	0.000	0.0E0	0.000	1.561
10.05	0.74	1.32	0.56	0.89	0.00	41.62	100.00	0.000	0.0E0	0.000	1.561
10.00	0.74	1.32	0.56	0.89	0.00	41.66	100.00	0.000	0.0E0	0.000	1.561

9.95	0.74	1.32	0.56	0.89	0.00	41.78	100.00	0.000	0.0E0	0.000	1.561
9.90	0.74	1.32	0.56	0.89	0.00	41.89	100.00	0.000	0.0E0	0.000	1.561
9.85	0.74	1.32	0.56	0.89	0.00	42.00	100.00	0.000	0.0E0	0.000	1.561
9.80	0.74	1.32	0.56	0.89	0.00	42.11	100.00	0.000	0.0E0	0.000	1.561
9.75	0.74	1.32	0.56	0.89	0.00	42.23	100.00	0.000	0.0E0	0.000	1.561
9.70	0.74	1.32	0.56	0.89	0.00	42.34	100.00	0.000	0.0E0	0.000	1.561
9.65	0.74	1.32	0.56	0.89	0.00	42.46	100.00	0.000	0.0E0	0.000	1.561
9.60	0.74	1.32	0.56	0.89	0.00	42.58	100.00	0.000	0.0E0	0.000	1.561
9.55	0.74	1.32	0.56	0.89	0.00	42.70	100.00	0.000	0.0E0	0.000	1.561
9.50	0.74	1.32	0.56	0.89	0.00	42.81	100.00	0.000	0.0E0	0.000	1.561
9.45	0.74	1.32	0.56	0.89	0.00	42.93	100.00	0.000	0.0E0	0.000	1.561
9.40	0.74	1.32	0.56	0.89	0.00	43.05	100.00	0.000	0.0E0	0.000	1.561
9.35	0.74	1.32	0.56	0.89	0.00	43.18	100.00	0.000	0.0E0	0.000	1.561
9.30	0.74	1.32	0.56	0.89	0.00	43.30	100.00	0.000	0.0E0	0.000	1.561
9.25	0.74	1.32	0.56	0.89	0.00	43.42	100.00	0.000	0.0E0	0.000	1.561
9.20	0.74	1.32	0.56	0.89	0.00	43.55	100.00	0.000	0.0E0	0.000	1.561
9.15	0.74	1.32	0.56	0.89	0.00	43.67	100.00	0.000	0.0E0	0.000	1.561
9.10	0.74	1.32	0.56	0.89	0.00	43.80	100.00	0.000	0.0E0	0.000	1.561
9.05	0.74	1.32	0.56	0.89	0.00	43.93	100.00	0.000	0.0E0	0.000	1.561
9.00	0.75	1.32	0.56	0.89	0.00	44.05	100.00	0.000	0.0E0	0.000	1.561
8.95	0.75	1.32	0.57	0.88	0.00	44.18	100.00	0.000	0.0E0	0.000	1.561
8.90	0.75	1.32	0.57	0.88	0.00	44.31	100.00	0.000	0.0E0	0.000	1.561
8.85	0.75	1.32	0.57	0.88	0.00	44.45	100.00	0.000	0.0E0	0.000	1.561
8.80	0.75	1.32	0.57	0.88	0.00	44.58	100.00	0.000	0.0E0	0.000	1.561
8.75	0.75	1.32	0.57	0.88	0.00	44.71	100.00	0.000	0.0E0	0.000	1.561
8.70	0.75	1.32	0.57	0.88	0.00	44.85	100.00	0.000	0.0E0	0.000	1.561
8.65	0.75	1.32	0.57	0.88	0.00	44.98	100.00	0.000	0.0E0	0.000	1.561
8.60	0.75	1.32	0.57	0.88	0.00	45.12	100.00	0.000	0.0E0	0.000	1.561
8.55	0.75	1.32	0.57	0.88	0.00	45.26	100.00	0.000	0.0E0	0.000	1.561
8.50	0.75	1.32	0.57	0.88	0.00	45.40	100.00	0.000	0.0E0	0.000	1.561
8.45	0.75	1.32	0.57	0.88	0.00	45.54	100.00	0.000	0.0E0	0.000	1.561
8.40	0.75	1.32	0.57	0.88	0.00	45.68	100.00	0.000	0.0E0	0.000	1.561
8.35	0.75	1.32	0.57	0.88	0.00	45.82	100.00	0.000	0.0E0	0.000	1.561
8.30	0.75	1.32	0.57	0.88	0.00	45.97	100.00	0.000	0.0E0	0.000	1.561
8.25	0.75	1.32	0.57	0.88	0.00	46.11	100.00	0.000	0.0E0	0.000	1.561
8.20	0.75	1.32	0.57	0.88	0.00	40.82	100.00	0.000	0.0E0	0.000	1.561
8.15	0.75	1.32	0.57	0.88	0.00	40.95	100.00	0.000	0.0E0	0.000	1.561
8.10	0.75	1.32	0.57	0.88	0.00	41.08	100.00	0.000	0.0E0	0.000	1.561
8.05	0.75	1.32	0.57	0.88	0.00	41.21	100.00	0.000	0.0E0	0.000	1.561
8.00	0.75	1.32	0.57	0.88	0.00	41.35	100.00	0.000	0.0E0	0.000	1.561
7.95	0.75	1.32	0.57	0.88	0.00	41.48	100.00	0.000	0.0E0	0.000	1.561
7.90	0.75	1.32	0.57	0.88	0.00	41.62	100.00	0.000	0.0E0	0.000	1.561
7.85	0.75	1.32	0.57	0.88	0.00	41.76	100.00	0.000	0.0E0	0.000	1.561
7.80	0.75	1.32	0.57	0.88	0.00	41.89	100.00	0.000	0.0E0	0.000	1.561
7.75	0.75	1.32	0.57	0.88	0.00	42.03	100.00	0.000	0.0E0	0.000	1.561
7.70	0.75	1.32	0.57	0.88	0.00	42.18	100.00	0.000	0.0E0	0.000	1.561
7.65	0.75	1.32	0.57	0.88	0.00	42.32	100.00	0.000	0.0E0	0.000	1.561
7.60	0.75	1.32	0.57	0.88	0.00	42.46	100.00	0.000	0.0E0	0.000	1.561
7.55	0.75	1.32	0.57	0.87	0.00	42.61	100.00	0.000	0.0E0	0.000	1.561
7.50	0.75	1.32	0.57	0.87	0.00	42.76	100.00	0.000	0.0E0	0.000	1.561
7.45	0.75	1.32	0.57	0.87	0.00	42.90	100.00	0.000	0.0E0	0.000	1.561
7.40	0.75	1.32	0.57	0.87	0.00	43.05	100.00	0.000	0.0E0	0.000	1.561
7.35	0.76	1.32	0.57	0.87	0.00	43.21	100.00	0.000	0.0E0	0.000	1.561
7.30	0.76	1.32	0.57	0.87	0.00	43.36	100.00	0.000	0.0E0	0.000	1.561
7.25	0.76	1.32	0.57	0.87	0.00	43.51	100.00	0.000	0.0E0	0.000	1.561
7.20	0.76	1.32	0.57	0.87	0.00	43.67	100.00	0.000	0.0E0	0.000	1.561
7.15	0.76	1.32	0.57	0.87	0.00	43.83	100.00	0.000	0.0E0	0.000	1.561
7.10	0.76	1.32	0.57	0.87	0.00	43.98	100.00	0.000	0.0E0	0.000	1.561
7.05	0.76	1.32	0.57	0.87	0.00	44.14	100.00	0.000	0.0E0	0.000	1.561
7.00	0.76	1.32	0.57	0.87	0.00	44.31	100.00	0.000	0.0E0	0.000	1.561
6.95	0.76	1.32	0.57	0.87	0.00	44.47	100.00	0.000	0.0E0	0.000	1.561
6.90	0.76	1.32	0.57	0.87	0.00	44.64	100.00	0.000	0.0E0	0.000	1.561
6.85	0.76	1.32	0.57	0.87	0.00	44.80	100.00	0.000	0.0E0	0.000	1.561
6.80	0.76	1.32	0.57	0.87	0.00	44.97	100.00	0.000	0.0E0	0.000	1.561
6.75	0.76	1.32	0.57	0.87	0.00	45.14	100.00	0.000	0.0E0	0.000	1.561
6.70	0.76	1.32	0.58	0.87	0.00	45.31	100.00	0.000	0.0E0	0.000	1.561
6.65	0.76	1.32	0.58	0.87	0.00	45.49	100.00	0.000	0.0E0	0.000	1.561
6.60	0.76	1.32	0.58	0.87	0.00	45.67	100.00	0.000	0.0E0	0.000	1.561
6.55	0.76	1.32	0.58	0.87	0.00	45.84	100.00	0.000	0.0E0	0.000	1.561
6.50	0.76	1.32	0.58	0.87	0.00	46.02	100.00	0.000	0.0E0	0.000	1.561
6.45	0.76	1.32	0.58	0.87	0.00	46.21	100.00	0.000	0.0E0	0.000	1.561
6.40	0.76	1.32	0.58	0.87	0.00	46.39	100.00	0.000	0.0E0	0.000	1.561
6.35	0.76	1.32	0.58	0.87	0.00	46.58	100.00	0.000	0.0E0	0.000	1.561

6.30	0.76	1.32	0.58	0.87	0.00	46.76	100.00	0.000	0.0E0	0.000	1.561
6.25	0.76	1.32	0.58	0.87	0.00	46.95	100.00	0.000	0.0E0	0.000	1.561
6.20	0.76	1.32	0.58	0.87	0.00	47.15	100.00	0.000	0.0E0	0.000	1.561
6.15	0.76	1.32	0.58	0.87	0.00	47.34	100.00	0.000	0.0E0	0.000	1.561
6.10	0.76	1.32	0.58	0.87	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
6.05	0.76	1.32	0.58	0.87	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
6.00	0.76	1.32	0.58	0.87	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.95	0.76	1.32	0.58	0.87	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.90	0.76	1.32	0.58	0.87	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.85	0.76	1.32	0.58	0.87	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.80	0.76	1.32	0.58	0.87	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.75	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.70	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.65	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.60	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.55	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.50	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.45	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.40	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.35	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.30	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.25	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.20	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.15	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.10	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.05	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561
5.00	0.76	1.32	0.58	0.86	0.00	47.47	100.00	0.000	0.0E0	0.000	1.561

Settlement of Saturated Sands=1.561 in.
qc1 and (N1)60 is after fines correction in liquefaction analysis
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

Depth	sigma'	sigC'	(N1)60s	CSRsf	Gmax	g*Ge/Gm	g_eff	ec7.5	Cec	ec	dsz	dsp	S
ft	atm	atm			atm			%		%	in.	in.	in.

Settlement of Unsaturated Sands

Settlement of Unsaturated Sands=0.000 in.
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=1.561 in.
Differential Settlement=0.781 to 1.030 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

---

1 atm (atmosphere) = 1.0581 tsf(1 tsf = 1 ton/ft2 = 2 kip/ft2)
1 atm (atmosphere) = 101.325 kPa(1 kPa = 1 kN/m2 = 0.001 Mpa)

SPT	Field data from Standard Penetration Test (SPT)
BPT	Field data from Becker Penetration Test (BPT)
qc	Field data from Cone Penetration Test (CPT) [atm (tsf)]
fs	Friction from CPT testing [atm (tsf)]
Rf	Ratio of fs/qc (%)
gamma	Total unit weight of soil
gamma'	Effective unit weight of soil
Fines	Fines content [%]
D50	Mean grain size
Dr	Relative Density
sigma	Total vertical stress [atm]
sigma'	Effective vertical stress [atm]
sigC'	Effective confining pressure [atm]
rd	Acceleration reduction coefficient by Seed

a_max.	Peak Ground Acceleration (PGA) in ground surface
mZ	Linear acceleration reduction coefficient X depth
a_min.	Minimum acceleration under linear reduction, mZ
CRRv	CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
CRR7.5	Cyclic resistance ratio (M=7.5)
Ksig	Overburden stress correction factor for CRR7.5
CRRm	After magnitude scaling correction CRRm=CRRv * MSF
MSF	Magnitude scaling factor from M=7.5 to user input M
CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F.S.	Calculated factor of safety against liquefaction F.S.=CRRm/CSRsf
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT
qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1
qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement calculation CSRm=CSRsf / MSF*
CSRfs	Cyclic stress ratio induced by earthquake with user inputed fs
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2 of Page C.
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5
NoLiq	No-Liquefy Soils

References:

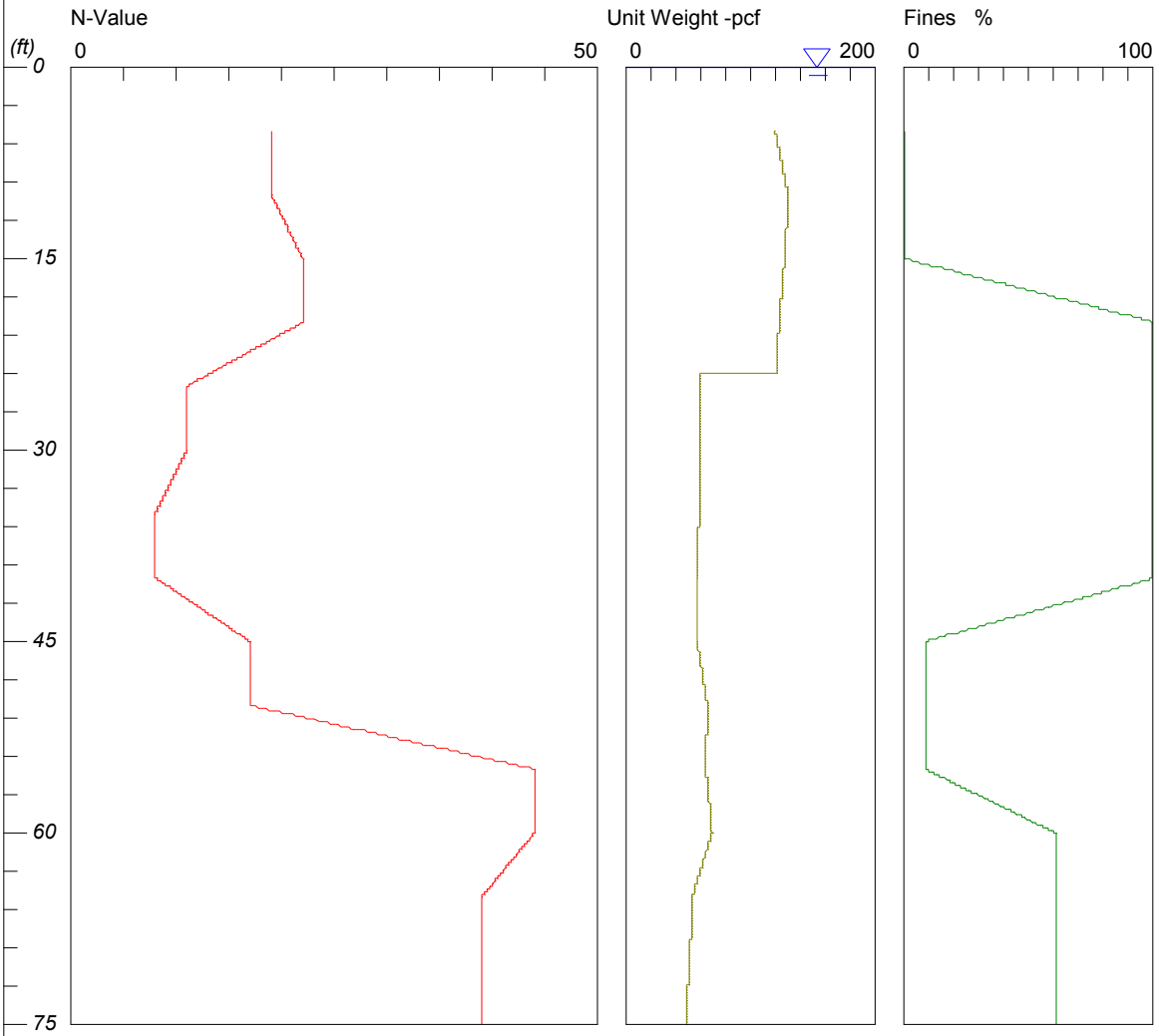
1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T.L., and Idriss, I.M., eds., Technical Report NCEER 97-0022.
SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for
Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.
2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth
International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center,
Report No. EERC 2003-06 by R.B Seed and etc. April 2003.

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-5-14 Water Depth=0 ft

Magnitude=6.77
Acceleration=0.776g



SPT N	Unit Weight	Fines %
19	119.5	
	130.0	
22	127.3	
	122.5	NoLq
11	120.5	NoLq
	122.1	NoLq
8	120.8	NoLq
	119.2	NoLq
17		8.5
	127.4	
44	126.3	
	131.3	60.9
39	115.4	
	113.4	
	109.9	

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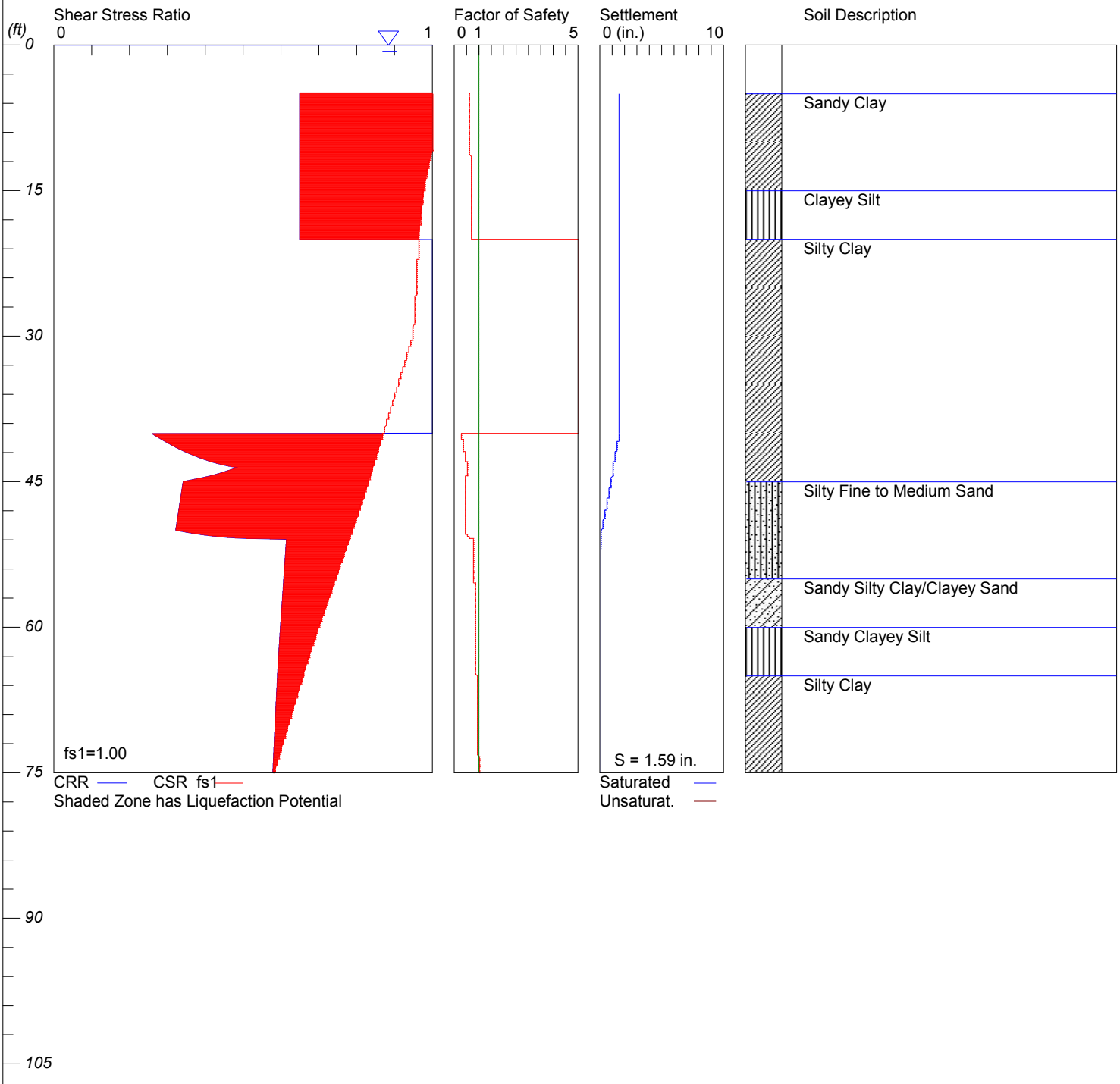
LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-5-14 ***Water Depth=0 ft***

Magnitude=6.77
Acceleration=0.776g



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LIQUEFACTION ANALYSIS CALCULATION DETAILS
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Input File Name: C:\Users\jgurunathan\OneDrive\Work\Projects\6792A -- Sportsmens August 2018\Liquefaction\B-5-14 Full.liq
Title: Sportsmen's Lodge
Subtitle: Boring B-5-14 Analysis (Full PGAm)

Input Data:
Surface Elev.=
Hole No.=B-5-14
Depth of Hole=75.00 ft
Water Table during Earthquake= 0.00 ft
Water Table during In-Situ Testing= 24.00 ft
Max. Acceleration=0.78 g
Earthquake Magnitude=6.77
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Idriss/Seed
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.42
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.0
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
5.00	19.00	119.50	0.00
10.00	19.00	130.00	0.00
15.00	22.00	127.30	0.00
20.00	22.00	122.50	NoLiq
25.00	11.00	120.50	NoLiq
30.00	11.00	122.10	NoLiq
35.00	8.00	120.80	NoLiq
40.00	8.00	119.20	NoLiq
45.00	17.00	119.20	8.50
50.00	17.00	127.40	8.50
55.00	44.00	126.30	8.50
60.00	44.00	131.30	60.90
65.00	39.00	115.40	60.90
70.00	39.00	113.40	60.90
75.00	39.00	109.90	60.90

Output Results:
Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.78g

CSR Calculation:

Depth ft	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ g	a(z) g	CSR	x fs1	=CSRfs
5.00	119.50	0.282	57.10	0.135	0.99	0.000	0.776	1.04	1.00	1.04
5.05	119.61	0.285	57.21	0.136	0.99	0.000	0.776	1.04	1.00	1.04
5.10	119.71	0.288	57.31	0.138	0.99	0.000	0.776	1.04	1.00	1.04
5.15	119.82	0.291	57.42	0.139	0.99	0.000	0.776	1.04	1.00	1.04

5.20	119.92	0.294	57.52	0.140	0.99	0.000	0.776	1.04	1.00	1.04
5.25	120.03	0.296	57.63	0.142	0.99	0.000	0.776	1.04	1.00	1.04
5.30	120.13	0.299	57.73	0.143	0.99	0.000	0.776	1.04	1.00	1.04
5.35	120.24	0.302	57.83	0.144	0.99	0.000	0.776	1.04	1.00	1.04
5.40	120.34	0.305	57.94	0.146	0.99	0.000	0.776	1.04	1.00	1.04
5.45	120.45	0.308	58.05	0.147	0.99	0.000	0.776	1.04	1.00	1.04
5.50	120.55	0.311	58.15	0.149	0.99	0.000	0.776	1.04	1.00	1.04
5.55	120.66	0.314	58.26	0.150	0.99	0.000	0.776	1.04	1.00	1.04
5.60	120.76	0.316	58.36	0.151	0.99	0.000	0.776	1.04	1.00	1.04
5.65	120.87	0.319	58.47	0.153	0.99	0.000	0.776	1.04	1.00	1.04
5.70	120.97	0.322	58.57	0.154	0.99	0.000	0.776	1.04	1.00	1.04
5.75	121.08	0.325	58.68	0.155	0.99	0.000	0.776	1.04	1.00	1.04
5.80	121.18	0.328	58.78	0.157	0.99	0.000	0.776	1.04	1.00	1.04
5.85	121.29	0.331	58.89	0.158	0.99	0.000	0.776	1.04	1.00	1.04
5.90	121.39	0.334	58.99	0.160	0.99	0.000	0.776	1.04	1.00	1.04
5.95	121.50	0.336	59.10	0.161	0.99	0.000	0.776	1.04	1.00	1.04
6.00	121.60	0.339	59.20	0.162	0.99	0.000	0.776	1.04	1.00	1.04
6.05	121.71	0.342	59.31	0.164	0.99	0.000	0.776	1.04	1.00	1.04
6.10	121.81	0.345	59.41	0.165	0.99	0.000	0.776	1.04	1.00	1.04
6.15	121.92	0.348	59.52	0.167	0.99	0.000	0.776	1.04	1.00	1.04
6.20	122.02	0.351	59.62	0.168	0.99	0.000	0.776	1.04	1.00	1.04
6.25	122.13	0.354	59.73	0.169	0.99	0.000	0.776	1.04	1.00	1.04
6.30	122.23	0.357	59.83	0.171	0.99	0.000	0.776	1.04	1.00	1.04
6.35	122.34	0.359	59.94	0.172	0.99	0.000	0.776	1.04	1.00	1.04
6.40	122.44	0.362	60.04	0.174	0.99	0.000	0.776	1.04	1.00	1.04
6.45	122.55	0.365	60.15	0.175	0.98	0.000	0.776	1.04	1.00	1.04
6.50	122.65	0.368	60.25	0.176	0.98	0.000	0.776	1.04	1.00	1.04
6.55	122.76	0.371	60.36	0.178	0.98	0.000	0.776	1.04	1.00	1.04
6.60	122.86	0.374	60.46	0.179	0.98	0.000	0.776	1.04	1.00	1.04
6.65	122.97	0.377	60.57	0.181	0.98	0.000	0.776	1.04	1.00	1.04
6.70	123.07	0.380	60.67	0.182	0.98	0.000	0.776	1.03	1.00	1.03
6.75	123.18	0.383	60.78	0.184	0.98	0.000	0.776	1.03	1.00	1.03
6.80	123.28	0.386	60.88	0.185	0.98	0.000	0.776	1.03	1.00	1.03
6.85	123.39	0.388	60.99	0.186	0.98	0.000	0.776	1.03	1.00	1.03
6.90	123.49	0.391	61.09	0.188	0.98	0.000	0.776	1.03	1.00	1.03
6.95	123.60	0.394	61.20	0.189	0.98	0.000	0.776	1.03	1.00	1.03
7.00	123.70	0.397	61.30	0.191	0.98	0.000	0.776	1.03	1.00	1.03
7.05	123.81	0.400	61.41	0.192	0.98	0.000	0.776	1.03	1.00	1.03
7.10	123.91	0.403	61.51	0.194	0.98	0.000	0.776	1.03	1.00	1.03
7.15	124.02	0.406	61.62	0.195	0.98	0.000	0.776	1.03	1.00	1.03
7.20	124.12	0.409	61.72	0.197	0.98	0.000	0.776	1.03	1.00	1.03
7.25	124.23	0.412	61.83	0.198	0.98	0.000	0.776	1.03	1.00	1.03
7.30	124.33	0.415	61.93	0.200	0.98	0.000	0.776	1.03	1.00	1.03
7.35	124.44	0.418	62.04	0.201	0.98	0.000	0.776	1.03	1.00	1.03
7.40	124.54	0.421	62.14	0.202	0.98	0.000	0.776	1.03	1.00	1.03
7.45	124.65	0.424	62.25	0.204	0.98	0.000	0.776	1.03	1.00	1.03
7.50	124.75	0.427	62.35	0.205	0.98	0.000	0.776	1.03	1.00	1.03
7.55	124.86	0.430	62.46	0.207	0.98	0.000	0.776	1.03	1.00	1.03
7.60	124.96	0.432	62.56	0.208	0.98	0.000	0.776	1.03	1.00	1.03
7.65	125.07	0.435	62.67	0.210	0.98	0.000	0.776	1.03	1.00	1.03
7.70	125.17	0.438	62.77	0.211	0.98	0.000	0.776	1.03	1.00	1.03
7.75	125.28	0.441	62.88	0.213	0.98	0.000	0.776	1.03	1.00	1.03
7.80	125.38	0.444	62.98	0.214	0.98	0.000	0.776	1.03	1.00	1.03
7.85	125.49	0.447	63.09	0.216	0.98	0.000	0.776	1.03	1.00	1.03
7.90	125.59	0.450	63.19	0.217	0.98	0.000	0.776	1.03	1.00	1.03
7.95	125.70	0.453	63.30	0.219	0.98	0.000	0.776	1.03	1.00	1.03
8.00	125.80	0.456	63.40	0.220	0.98	0.000	0.776	1.03	1.00	1.03
8.05	125.91	0.459	63.51	0.222	0.98	0.000	0.776	1.02	1.00	1.02
8.10	126.01	0.462	63.61	0.223	0.98	0.000	0.776	1.02	1.00	1.02
8.15	126.12	0.465	63.72	0.225	0.98	0.000	0.776	1.02	1.00	1.02
8.20	126.22	0.468	63.82	0.226	0.98	0.000	0.776	1.02	1.00	1.02
8.25	126.33	0.471	63.93	0.228	0.98	0.000	0.776	1.02	1.00	1.02
8.30	126.43	0.474	64.03	0.229	0.98	0.000	0.776	1.02	1.00	1.02
8.35	126.54	0.477	64.14	0.231	0.98	0.000	0.776	1.02	1.00	1.02
8.40	126.64	0.480	64.24	0.232	0.98	0.000	0.776	1.02	1.00	1.02
8.45	126.75	0.483	64.35	0.234	0.98	0.000	0.776	1.02	1.00	1.02
8.50	126.85	0.486	64.45	0.235	0.98	0.000	0.776	1.02	1.00	1.02
8.55	126.96	0.489	64.56	0.237	0.98	0.000	0.776	1.02	1.00	1.02
8.60	127.06	0.492	64.66	0.238	0.98	0.000	0.776	1.02	1.00	1.02
8.65	127.17	0.495	64.77	0.240	0.98	0.000	0.776	1.02	1.00	1.02
8.70	127.27	0.498	64.87	0.241	0.98	0.000	0.776	1.02	1.00	1.02
8.75	127.38	0.501	64.98	0.243	0.98	0.000	0.776	1.02	1.00	1.02
8.80	127.48	0.504	65.08	0.245	0.98	0.000	0.776	1.02	1.00	1.02

8.85	127.59	0.507	65.19	0.246	0.98	0.000	0.776	1.02	1.00	1.02
8.90	127.69	0.510	65.29	0.248	0.98	0.000	0.776	1.02	1.00	1.02
8.95	127.80	0.513	65.40	0.249	0.98	0.000	0.776	1.02	1.00	1.02
9.00	127.90	0.516	65.50	0.251	0.98	0.000	0.776	1.02	1.00	1.02
9.05	128.01	0.519	65.61	0.252	0.98	0.000	0.776	1.02	1.00	1.02
9.10	128.11	0.522	65.71	0.254	0.98	0.000	0.776	1.02	1.00	1.02
9.15	128.22	0.525	65.82	0.255	0.98	0.000	0.776	1.02	1.00	1.02
9.20	128.32	0.528	65.92	0.257	0.98	0.000	0.776	1.01	1.00	1.01
9.25	128.43	0.531	66.03	0.258	0.98	0.000	0.776	1.01	1.00	1.01
9.30	128.53	0.534	66.13	0.260	0.98	0.000	0.776	1.01	1.00	1.01
9.35	128.64	0.537	66.24	0.262	0.98	0.000	0.776	1.01	1.00	1.01
9.40	128.74	0.540	66.34	0.263	0.98	0.000	0.776	1.01	1.00	1.01
9.45	128.85	0.543	66.45	0.265	0.98	0.000	0.776	1.01	1.00	1.01
9.50	128.95	0.546	66.55	0.266	0.98	0.000	0.776	1.01	1.00	1.01
9.55	129.06	0.549	66.66	0.268	0.98	0.000	0.776	1.01	1.00	1.01
9.60	129.16	0.552	66.76	0.269	0.98	0.000	0.776	1.01	1.00	1.01
9.65	129.27	0.556	66.87	0.271	0.98	0.000	0.776	1.01	1.00	1.01
9.70	129.37	0.559	66.97	0.273	0.98	0.000	0.776	1.01	1.00	1.01
9.75	129.48	0.562	67.08	0.274	0.98	0.000	0.776	1.01	1.00	1.01
9.80	129.58	0.565	67.18	0.276	0.98	0.000	0.776	1.01	1.00	1.01
9.85	129.69	0.568	67.29	0.277	0.98	0.000	0.776	1.01	1.00	1.01
9.90	129.79	0.571	67.39	0.279	0.98	0.000	0.776	1.01	1.00	1.01
9.95	129.90	0.574	67.50	0.281	0.98	0.000	0.776	1.01	1.00	1.01
10.00	130.00	0.577	67.60	0.282	0.98	0.000	0.776	1.01	1.00	1.01
10.05	129.97	0.580	67.57	0.284	0.98	0.000	0.776	1.01	1.00	1.01
10.10	129.95	0.583	67.55	0.285	0.98	0.000	0.776	1.01	1.00	1.01
10.15	129.92	0.586	67.52	0.287	0.98	0.000	0.776	1.01	1.00	1.01
10.20	129.89	0.589	67.49	0.288	0.98	0.000	0.776	1.01	1.00	1.01
10.25	129.86	0.592	67.46	0.290	0.98	0.000	0.776	1.01	1.00	1.01
10.30	129.84	0.595	67.44	0.292	0.98	0.000	0.776	1.00	1.00	1.00
10.35	129.81	0.598	67.41	0.293	0.98	0.000	0.776	1.00	1.00	1.00
10.40	129.78	0.602	67.38	0.295	0.98	0.000	0.776	1.00	1.00	1.00
10.45	129.76	0.605	67.36	0.296	0.98	0.000	0.776	1.00	1.00	1.00
10.50	129.73	0.608	67.33	0.298	0.98	0.000	0.776	1.00	1.00	1.00
10.55	129.70	0.611	67.30	0.300	0.98	0.000	0.776	1.00	1.00	1.00
10.60	129.68	0.614	67.28	0.301	0.98	0.000	0.776	1.00	1.00	1.00
10.65	129.65	0.617	67.25	0.303	0.98	0.000	0.776	1.00	1.00	1.00
10.70	129.62	0.620	67.22	0.304	0.98	0.000	0.776	1.00	1.00	1.00
10.75	129.59	0.623	67.19	0.306	0.97	0.000	0.776	1.00	1.00	1.00
10.80	129.57	0.626	67.17	0.308	0.97	0.000	0.776	1.00	1.00	1.00
10.85	129.54	0.629	67.14	0.309	0.97	0.000	0.776	1.00	1.00	1.00
10.90	129.51	0.632	67.11	0.311	0.97	0.000	0.776	1.00	1.00	1.00
10.95	129.49	0.635	67.09	0.312	0.97	0.000	0.776	1.00	1.00	1.00
11.00	129.46	0.638	67.06	0.314	0.97	0.000	0.776	1.00	1.00	1.00
11.05	129.43	0.641	67.03	0.316	0.97	0.000	0.776	1.00	1.00	1.00
11.10	129.41	0.644	67.01	0.317	0.97	0.000	0.776	1.00	1.00	1.00
11.15	129.38	0.647	66.98	0.319	0.97	0.000	0.776	1.00	1.00	1.00
11.20	129.35	0.651	66.95	0.320	0.97	0.000	0.776	1.00	1.00	1.00
11.25	129.32	0.654	66.92	0.322	0.97	0.000	0.776	1.00	1.00	1.00
11.30	129.30	0.657	66.90	0.323	0.97	0.000	0.776	1.00	1.00	1.00
11.35	129.27	0.660	66.87	0.325	0.97	0.000	0.776	1.00	1.00	1.00
11.40	129.24	0.663	66.84	0.327	0.97	0.000	0.776	1.00	1.00	1.00
11.45	129.22	0.666	66.82	0.328	0.97	0.000	0.776	1.00	1.00	1.00
11.50	129.19	0.669	66.79	0.330	0.97	0.000	0.776	1.00	1.00	1.00
11.55	129.16	0.672	66.76	0.331	0.97	0.000	0.776	1.00	1.00	1.00
11.60	129.14	0.675	66.74	0.333	0.97	0.000	0.776	1.00	1.00	1.00
11.65	129.11	0.678	66.71	0.334	0.97	0.000	0.776	0.99	1.00	0.99
11.70	129.08	0.681	66.68	0.336	0.97	0.000	0.776	0.99	1.00	0.99
11.75	129.05	0.684	66.65	0.338	0.97	0.000	0.776	0.99	1.00	0.99
11.80	129.03	0.687	66.63	0.339	0.97	0.000	0.776	0.99	1.00	0.99
11.85	129.00	0.690	66.60	0.341	0.97	0.000	0.776	0.99	1.00	0.99
11.90	128.97	0.693	66.57	0.342	0.97	0.000	0.776	0.99	1.00	0.99
11.95	128.95	0.696	66.55	0.344	0.97	0.000	0.776	0.99	1.00	0.99
12.00	128.92	0.699	66.52	0.345	0.97	0.000	0.776	0.99	1.00	0.99
12.05	128.89	0.702	66.49	0.347	0.97	0.000	0.776	0.99	1.00	0.99
12.10	128.87	0.705	66.47	0.349	0.97	0.000	0.776	0.99	1.00	0.99
12.15	128.84	0.708	66.44	0.350	0.97	0.000	0.776	0.99	1.00	0.99
12.20	128.81	0.712	66.41	0.352	0.97	0.000	0.776	0.99	1.00	0.99
12.25	128.78	0.715	66.38	0.353	0.97	0.000	0.776	0.99	1.00	0.99
12.30	128.76	0.718	66.36	0.355	0.97	0.000	0.776	0.99	1.00	0.99
12.35	128.73	0.721	66.33	0.356	0.97	0.000	0.776	0.99	1.00	0.99
12.40	128.70	0.724	66.30	0.358	0.97	0.000	0.776	0.99	1.00	0.99
12.45	128.68	0.727	66.28	0.360	0.97	0.000	0.776	0.99	1.00	0.99

12.50	128.65	0.730	66.25	0.361	0.97	0.000	0.776	0.99	1.00	0.99
12.55	128.62	0.733	66.22	0.363	0.97	0.000	0.776	0.99	1.00	0.99
12.60	128.60	0.736	66.20	0.364	0.97	0.000	0.776	0.99	1.00	0.99
12.65	128.57	0.739	66.17	0.366	0.97	0.000	0.776	0.99	1.00	0.99
12.70	128.54	0.742	66.14	0.367	0.97	0.000	0.776	0.99	1.00	0.99
12.75	128.51	0.745	66.11	0.369	0.97	0.000	0.776	0.99	1.00	0.99
12.80	128.49	0.748	66.09	0.371	0.97	0.000	0.776	0.99	1.00	0.99
12.85	128.46	0.751	66.06	0.372	0.97	0.000	0.776	0.99	1.00	0.99
12.90	128.43	0.754	66.03	0.374	0.97	0.000	0.776	0.99	1.00	0.99
12.95	128.41	0.757	66.01	0.375	0.97	0.000	0.776	0.99	1.00	0.99
13.00	128.38	0.760	65.98	0.377	0.97	0.000	0.776	0.99	1.00	0.99
13.05	128.35	0.763	65.95	0.378	0.97	0.000	0.776	0.99	1.00	0.99
13.10	128.33	0.766	65.93	0.380	0.97	0.000	0.776	0.99	1.00	0.99
13.15	128.30	0.769	65.90	0.381	0.97	0.000	0.776	0.99	1.00	0.99
13.20	128.27	0.772	65.87	0.383	0.97	0.000	0.776	0.99	1.00	0.99
13.25	128.24	0.775	65.84	0.385	0.97	0.000	0.776	0.99	1.00	0.99
13.30	128.22	0.778	65.82	0.386	0.97	0.000	0.776	0.99	1.00	0.99
13.35	128.19	0.781	65.79	0.388	0.97	0.000	0.776	0.98	1.00	0.98
13.40	128.16	0.784	65.76	0.389	0.97	0.000	0.776	0.98	1.00	0.98
13.45	128.14	0.787	65.74	0.391	0.97	0.000	0.776	0.98	1.00	0.98
13.50	128.11	0.790	65.71	0.392	0.97	0.000	0.776	0.98	1.00	0.98
13.55	128.08	0.793	65.68	0.394	0.97	0.000	0.776	0.98	1.00	0.98
13.60	128.06	0.796	65.66	0.395	0.97	0.000	0.776	0.98	1.00	0.98
13.65	128.03	0.800	65.63	0.397	0.97	0.000	0.776	0.98	1.00	0.98
13.70	128.00	0.803	65.60	0.399	0.97	0.000	0.776	0.98	1.00	0.98
13.75	127.97	0.806	65.57	0.400	0.97	0.000	0.776	0.98	1.00	0.98
13.80	127.95	0.809	65.55	0.402	0.97	0.000	0.776	0.98	1.00	0.98
13.85	127.92	0.812	65.52	0.403	0.97	0.000	0.776	0.98	1.00	0.98
13.90	127.89	0.815	65.49	0.405	0.97	0.000	0.776	0.98	1.00	0.98
13.95	127.87	0.818	65.47	0.406	0.97	0.000	0.776	0.98	1.00	0.98
14.00	127.84	0.821	65.44	0.408	0.97	0.000	0.776	0.98	1.00	0.98
14.05	127.81	0.824	65.41	0.409	0.97	0.000	0.776	0.98	1.00	0.98
14.10	127.79	0.827	65.39	0.411	0.97	0.000	0.776	0.98	1.00	0.98
14.15	127.76	0.830	65.36	0.413	0.97	0.000	0.776	0.98	1.00	0.98
14.20	127.73	0.833	65.33	0.414	0.97	0.000	0.776	0.98	1.00	0.98
14.25	127.70	0.836	65.30	0.416	0.97	0.000	0.776	0.98	1.00	0.98
14.30	127.68	0.839	65.28	0.417	0.97	0.000	0.776	0.98	1.00	0.98
14.35	127.65	0.842	65.25	0.419	0.97	0.000	0.776	0.98	1.00	0.98
14.40	127.62	0.845	65.22	0.420	0.97	0.000	0.776	0.98	1.00	0.98
14.45	127.60	0.848	65.20	0.422	0.97	0.000	0.776	0.98	1.00	0.98
14.50	127.57	0.851	65.17	0.423	0.97	0.000	0.776	0.98	1.00	0.98
14.55	127.54	0.854	65.14	0.425	0.97	0.000	0.776	0.98	1.00	0.98
14.60	127.52	0.857	65.12	0.426	0.97	0.000	0.776	0.98	1.00	0.98
14.65	127.49	0.860	65.09	0.428	0.97	0.000	0.776	0.98	1.00	0.98
14.70	127.46	0.863	65.06	0.429	0.97	0.000	0.776	0.98	1.00	0.98
14.75	127.43	0.866	65.03	0.431	0.97	0.000	0.776	0.98	1.00	0.98
14.80	127.41	0.869	65.01	0.433	0.97	0.000	0.776	0.98	1.00	0.98
14.85	127.38	0.872	64.98	0.434	0.97	0.000	0.776	0.98	1.00	0.98
14.90	127.35	0.875	64.95	0.436	0.97	0.000	0.776	0.98	1.00	0.98
14.95	127.33	0.878	64.93	0.437	0.97	0.000	0.776	0.98	1.00	0.98
15.00	127.30	0.881	64.90	0.439	0.97	0.000	0.776	0.98	1.00	0.98
15.05	127.25	0.884	64.85	0.440	0.96	0.000	0.776	0.98	1.00	0.98
15.10	127.20	0.887	64.80	0.442	0.96	0.000	0.776	0.98	1.00	0.98
15.15	127.16	0.890	64.76	0.443	0.96	0.000	0.776	0.98	1.00	0.98
15.20	127.11	0.893	64.71	0.445	0.96	0.000	0.776	0.98	1.00	0.98
15.25	127.06	0.896	64.66	0.446	0.96	0.000	0.776	0.98	1.00	0.98
15.30	127.01	0.899	64.61	0.448	0.96	0.000	0.776	0.98	1.00	0.98
15.35	126.96	0.902	64.56	0.449	0.96	0.000	0.776	0.98	1.00	0.98
15.40	126.92	0.905	64.52	0.451	0.96	0.000	0.776	0.98	1.00	0.98
15.45	126.87	0.908	64.47	0.452	0.96	0.000	0.776	0.98	1.00	0.98
15.50	126.82	0.911	64.42	0.454	0.96	0.000	0.776	0.98	1.00	0.98
15.55	126.77	0.914	64.37	0.455	0.96	0.000	0.776	0.98	1.00	0.98
15.60	126.72	0.917	64.32	0.457	0.96	0.000	0.776	0.98	1.00	0.98
15.65	126.68	0.920	64.28	0.459	0.96	0.000	0.776	0.98	1.00	0.98
15.70	126.63	0.923	64.23	0.460	0.96	0.000	0.776	0.97	1.00	0.97
15.75	126.58	0.926	64.18	0.462	0.96	0.000	0.776	0.97	1.00	0.97
15.80	126.53	0.929	64.13	0.463	0.96	0.000	0.776	0.97	1.00	0.97
15.85	126.48	0.932	64.08	0.465	0.96	0.000	0.776	0.97	1.00	0.97
15.90	126.44	0.935	64.04	0.466	0.96	0.000	0.776	0.97	1.00	0.97
15.95	126.39	0.938	63.99	0.468	0.96	0.000	0.776	0.97	1.00	0.97
16.00	126.34	0.941	63.94	0.469	0.96	0.000	0.776	0.97	1.00	0.97
16.05	126.29	0.944	63.89	0.471	0.96	0.000	0.776	0.97	1.00	0.97
16.10	126.24	0.947	63.84	0.472	0.96	0.000	0.776	0.97	1.00	0.97

16.15	126.20	0.950	63.80	0.474	0.96	0.000	0.776	0.97	1.00	0.97
16.20	126.15	0.953	63.75	0.475	0.96	0.000	0.776	0.97	1.00	0.97
16.25	126.10	0.956	63.70	0.477	0.96	0.000	0.776	0.97	1.00	0.97
16.30	126.05	0.959	63.65	0.478	0.96	0.000	0.776	0.97	1.00	0.97
16.35	126.00	0.962	63.60	0.480	0.96	0.000	0.776	0.97	1.00	0.97
16.40	125.96	0.965	63.56	0.481	0.96	0.000	0.776	0.97	1.00	0.97
16.45	125.91	0.968	63.51	0.483	0.96	0.000	0.776	0.97	1.00	0.97
16.50	125.86	0.971	63.46	0.484	0.96	0.000	0.776	0.97	1.00	0.97
16.55	125.81	0.974	63.41	0.486	0.96	0.000	0.776	0.97	1.00	0.97
16.60	125.76	0.977	63.36	0.487	0.96	0.000	0.776	0.97	1.00	0.97
16.65	125.72	0.980	63.32	0.489	0.96	0.000	0.776	0.97	1.00	0.97
16.70	125.67	0.983	63.27	0.490	0.96	0.000	0.776	0.97	1.00	0.97
16.75	125.62	0.986	63.22	0.492	0.96	0.000	0.776	0.97	1.00	0.97
16.80	125.57	0.989	63.17	0.493	0.96	0.000	0.776	0.97	1.00	0.97
16.85	125.52	0.991	63.12	0.495	0.96	0.000	0.776	0.97	1.00	0.97
16.90	125.48	0.994	63.08	0.496	0.96	0.000	0.776	0.97	1.00	0.97
16.95	125.43	0.997	63.03	0.498	0.96	0.000	0.776	0.97	1.00	0.97
17.00	125.38	1.000	62.98	0.499	0.96	0.000	0.776	0.97	1.00	0.97
17.05	125.33	1.003	62.93	0.501	0.96	0.000	0.776	0.97	1.00	0.97
17.10	125.28	1.006	62.88	0.502	0.96	0.000	0.776	0.97	1.00	0.97
17.15	125.24	1.009	62.84	0.504	0.96	0.000	0.776	0.97	1.00	0.97
17.20	125.19	1.012	62.79	0.505	0.96	0.000	0.776	0.97	1.00	0.97
17.25	125.14	1.015	62.74	0.507	0.96	0.000	0.776	0.97	1.00	0.97
17.30	125.09	1.018	62.69	0.508	0.96	0.000	0.776	0.97	1.00	0.97
17.35	125.04	1.021	62.64	0.510	0.96	0.000	0.776	0.97	1.00	0.97
17.40	125.00	1.024	62.60	0.511	0.96	0.000	0.776	0.97	1.00	0.97
17.45	124.95	1.027	62.55	0.512	0.96	0.000	0.776	0.97	1.00	0.97
17.50	124.90	1.030	62.50	0.514	0.96	0.000	0.776	0.97	1.00	0.97
17.55	124.85	1.033	62.45	0.515	0.96	0.000	0.776	0.97	1.00	0.97
17.60	124.80	1.036	62.40	0.517	0.96	0.000	0.776	0.97	1.00	0.97
17.65	124.76	1.039	62.36	0.518	0.96	0.000	0.776	0.97	1.00	0.97
17.70	124.71	1.042	62.31	0.520	0.96	0.000	0.776	0.97	1.00	0.97
17.75	124.66	1.045	62.26	0.521	0.96	0.000	0.776	0.97	1.00	0.97
17.80	124.61	1.048	62.21	0.523	0.96	0.000	0.776	0.97	1.00	0.97
17.85	124.56	1.051	62.16	0.524	0.96	0.000	0.776	0.97	1.00	0.97
17.90	124.52	1.054	62.12	0.526	0.96	0.000	0.776	0.97	1.00	0.97
17.95	124.47	1.056	62.07	0.527	0.96	0.000	0.776	0.97	1.00	0.97
18.00	124.42	1.059	62.02	0.529	0.96	0.000	0.776	0.97	1.00	0.97
18.05	124.37	1.062	61.97	0.530	0.96	0.000	0.776	0.97	1.00	0.97
18.10	124.32	1.065	61.92	0.532	0.96	0.000	0.776	0.97	1.00	0.97
18.15	124.28	1.068	61.88	0.533	0.96	0.000	0.776	0.97	1.00	0.97
18.20	124.23	1.071	61.83	0.535	0.96	0.000	0.776	0.97	1.00	0.97
18.25	124.18	1.074	61.78	0.536	0.96	0.000	0.776	0.97	1.00	0.97
18.30	124.13	1.077	61.73	0.537	0.96	0.000	0.776	0.97	1.00	0.97
18.35	124.08	1.080	61.68	0.539	0.96	0.000	0.776	0.97	1.00	0.97
18.40	124.04	1.083	61.64	0.540	0.96	0.000	0.776	0.97	1.00	0.97
18.45	123.99	1.086	61.59	0.542	0.96	0.000	0.776	0.97	1.00	0.97
18.50	123.94	1.089	61.54	0.543	0.96	0.000	0.776	0.97	1.00	0.97
18.55	123.89	1.092	61.49	0.545	0.96	0.000	0.776	0.97	1.00	0.97
18.60	123.84	1.095	61.44	0.546	0.96	0.000	0.776	0.97	1.00	0.97
18.65	123.80	1.098	61.40	0.548	0.96	0.000	0.776	0.97	1.00	0.97
18.70	123.75	1.100	61.35	0.549	0.96	0.000	0.776	0.97	1.00	0.97
18.75	123.70	1.103	61.30	0.551	0.96	0.000	0.776	0.97	1.00	0.97
18.80	123.65	1.106	61.25	0.552	0.96	0.000	0.776	0.97	1.00	0.97
18.85	123.60	1.109	61.20	0.553	0.96	0.000	0.776	0.97	1.00	0.97
18.90	123.56	1.112	61.16	0.555	0.96	0.000	0.776	0.97	1.00	0.97
18.95	123.51	1.115	61.11	0.556	0.96	0.000	0.776	0.97	1.00	0.97
19.00	123.46	1.118	61.06	0.558	0.96	0.000	0.776	0.97	1.00	0.97
19.05	123.41	1.121	61.01	0.559	0.96	0.000	0.776	0.97	1.00	0.97
19.10	123.36	1.124	60.96	0.561	0.96	0.000	0.776	0.97	1.00	0.97
19.15	123.32	1.127	60.92	0.562	0.96	0.000	0.776	0.97	1.00	0.97
19.20	123.27	1.130	60.87	0.564	0.96	0.000	0.776	0.97	1.00	0.97
19.25	123.22	1.133	60.82	0.565	0.96	0.000	0.776	0.97	1.00	0.97
19.30	123.17	1.135	60.77	0.566	0.96	0.000	0.776	0.97	1.00	0.97
19.35	123.12	1.138	60.72	0.568	0.95	0.000	0.776	0.97	1.00	0.97
19.40	123.08	1.141	60.68	0.569	0.95	0.000	0.776	0.97	1.00	0.97
19.45	123.03	1.144	60.63	0.571	0.95	0.000	0.776	0.97	1.00	0.97
19.50	122.98	1.147	60.58	0.572	0.95	0.000	0.776	0.97	1.00	0.97
19.55	122.93	1.150	60.53	0.574	0.95	0.000	0.776	0.97	1.00	0.97
19.60	122.88	1.153	60.48	0.575	0.95	0.000	0.776	0.97	1.00	0.97
19.65	122.84	1.156	60.44	0.576	0.95	0.000	0.776	0.97	1.00	0.97
19.70	122.79	1.159	60.39	0.578	0.95	0.000	0.776	0.96	1.00	0.96
19.75	122.74	1.162	60.34	0.579	0.95	0.000	0.776	0.96	1.00	0.96

19.80	122.69	1.165	60.29	0.581	0.95	0.000	0.776	0.96	1.00	0.96
19.85	122.64	1.167	60.24	0.582	0.95	0.000	0.776	0.96	1.00	0.96
19.90	122.60	1.170	60.20	0.584	0.95	0.000	0.776	0.96	1.00	0.96
19.95	122.55	1.173	60.15	0.585	0.95	0.000	0.776	0.96	1.00	0.96
20.00	122.50	1.176	60.10	0.586	0.95	0.000	0.776	0.96	1.00	0.96
20.05	122.48	1.179	60.08	0.588	0.95	0.000	0.776	0.96	1.00	0.96
20.10	122.46	1.182	60.06	0.589	0.95	0.000	0.776	0.96	1.00	0.96
20.15	122.44	1.185	60.04	0.591	0.95	0.000	0.776	0.96	1.00	0.96
20.20	122.42	1.188	60.02	0.592	0.95	0.000	0.776	0.96	1.00	0.96
20.25	122.40	1.191	60.00	0.593	0.95	0.000	0.776	0.96	1.00	0.96
20.30	122.38	1.193	59.98	0.595	0.95	0.000	0.776	0.96	1.00	0.96
20.35	122.36	1.196	59.96	0.596	0.95	0.000	0.776	0.96	1.00	0.96
20.40	122.34	1.199	59.94	0.598	0.95	0.000	0.776	0.96	1.00	0.96
20.45	122.32	1.202	59.92	0.599	0.95	0.000	0.776	0.96	1.00	0.96
20.50	122.30	1.205	59.90	0.601	0.95	0.000	0.776	0.96	1.00	0.96
20.55	122.28	1.208	59.88	0.602	0.95	0.000	0.776	0.96	1.00	0.96
20.60	122.26	1.211	59.86	0.603	0.95	0.000	0.776	0.96	1.00	0.96
20.65	122.24	1.214	59.84	0.605	0.95	0.000	0.776	0.96	1.00	0.96
20.70	122.22	1.217	59.82	0.606	0.95	0.000	0.776	0.96	1.00	0.96
20.75	122.20	1.219	59.80	0.608	0.95	0.000	0.776	0.96	1.00	0.96
20.80	122.18	1.222	59.78	0.609	0.95	0.000	0.776	0.96	1.00	0.96
20.85	122.16	1.225	59.76	0.610	0.95	0.000	0.776	0.96	1.00	0.96
20.90	122.14	1.228	59.74	0.612	0.95	0.000	0.776	0.96	1.00	0.96
20.95	122.12	1.231	59.72	0.613	0.95	0.000	0.776	0.96	1.00	0.96
21.00	122.10	1.234	59.70	0.615	0.95	0.000	0.776	0.96	1.00	0.96
21.05	122.08	1.237	59.68	0.616	0.95	0.000	0.776	0.96	1.00	0.96
21.10	122.06	1.240	59.66	0.618	0.95	0.000	0.776	0.96	1.00	0.96
21.15	122.04	1.243	59.64	0.619	0.95	0.000	0.776	0.96	1.00	0.96
21.20	122.02	1.245	59.62	0.620	0.95	0.000	0.776	0.96	1.00	0.96
21.25	122.00	1.248	59.60	0.622	0.95	0.000	0.776	0.96	1.00	0.96
21.30	121.98	1.251	59.58	0.623	0.95	0.000	0.776	0.96	1.00	0.96
21.35	121.96	1.254	59.56	0.625	0.95	0.000	0.776	0.96	1.00	0.96
21.40	121.94	1.257	59.54	0.626	0.95	0.000	0.776	0.96	1.00	0.96
21.45	121.92	1.260	59.52	0.627	0.95	0.000	0.776	0.96	1.00	0.96
21.50	121.90	1.263	59.50	0.629	0.95	0.000	0.776	0.96	1.00	0.96
21.55	121.88	1.266	59.48	0.630	0.95	0.000	0.776	0.96	1.00	0.96
21.60	121.86	1.269	59.46	0.632	0.95	0.000	0.776	0.96	1.00	0.96
21.65	121.84	1.271	59.44	0.633	0.95	0.000	0.776	0.96	1.00	0.96
21.70	121.82	1.274	59.42	0.634	0.95	0.000	0.776	0.96	1.00	0.96
21.75	121.80	1.277	59.40	0.636	0.95	0.000	0.776	0.96	1.00	0.96
21.80	121.78	1.280	59.38	0.637	0.95	0.000	0.776	0.96	1.00	0.96
21.85	121.76	1.283	59.36	0.639	0.95	0.000	0.776	0.96	1.00	0.96
21.90	121.74	1.286	59.34	0.640	0.95	0.000	0.776	0.96	1.00	0.96
21.95	121.72	1.289	59.32	0.641	0.95	0.000	0.776	0.96	1.00	0.96
22.00	121.70	1.292	59.30	0.643	0.95	0.000	0.776	0.96	1.00	0.96
22.05	121.68	1.294	59.28	0.644	0.95	0.000	0.776	0.96	1.00	0.96
22.10	121.66	1.297	59.26	0.646	0.95	0.000	0.776	0.96	1.00	0.96
22.15	121.64	1.300	59.24	0.647	0.95	0.000	0.776	0.96	1.00	0.96
22.20	121.62	1.303	59.22	0.648	0.95	0.000	0.776	0.96	1.00	0.96
22.25	121.60	1.306	59.20	0.650	0.95	0.000	0.776	0.96	1.00	0.96
22.30	121.58	1.309	59.18	0.651	0.95	0.000	0.776	0.96	1.00	0.96
22.35	121.56	1.312	59.16	0.653	0.95	0.000	0.776	0.96	1.00	0.96
22.40	121.54	1.315	59.14	0.654	0.95	0.000	0.776	0.96	1.00	0.96
22.45	121.52	1.317	59.12	0.655	0.95	0.000	0.776	0.96	1.00	0.96
22.50	121.50	1.320	59.10	0.657	0.95	0.000	0.776	0.96	1.00	0.96
22.55	121.48	1.323	59.08	0.658	0.95	0.000	0.776	0.96	1.00	0.96
22.60	121.46	1.326	59.06	0.660	0.95	0.000	0.776	0.96	1.00	0.96
22.65	121.44	1.329	59.04	0.661	0.95	0.000	0.776	0.96	1.00	0.96
22.70	121.42	1.332	59.02	0.662	0.95	0.000	0.776	0.96	1.00	0.96
22.75	121.40	1.335	59.00	0.664	0.95	0.000	0.776	0.96	1.00	0.96
22.80	121.38	1.337	58.98	0.665	0.95	0.000	0.776	0.96	1.00	0.96
22.85	121.36	1.340	58.96	0.667	0.95	0.000	0.776	0.96	1.00	0.96
22.90	121.34	1.343	58.94	0.668	0.95	0.000	0.776	0.96	1.00	0.96
22.95	121.32	1.346	58.92	0.669	0.95	0.000	0.776	0.96	1.00	0.96
23.00	121.30	1.349	58.90	0.671	0.95	0.000	0.776	0.96	1.00	0.96
23.05	121.28	1.352	58.88	0.672	0.95	0.000	0.776	0.96	1.00	0.96
23.10	121.26	1.355	58.86	0.674	0.95	0.000	0.776	0.96	1.00	0.96
23.15	121.24	1.358	58.84	0.675	0.95	0.000	0.776	0.96	1.00	0.96
23.20	121.22	1.360	58.82	0.676	0.95	0.000	0.776	0.96	1.00	0.96
23.25	121.20	1.363	58.80	0.678	0.95	0.000	0.776	0.96	1.00	0.96
23.30	121.18	1.366	58.78	0.679	0.95	0.000	0.776	0.96	1.00	0.96
23.35	121.16	1.369	58.76	0.680	0.95	0.000	0.776	0.96	1.00	0.96
23.40	121.14	1.372	58.74	0.682	0.95	0.000	0.776	0.96	1.00	0.96

23.45	121.12	1.375	58.72	0.683	0.95	0.000	0.776	0.96	1.00	0.96
23.50	121.10	1.378	58.70	0.685	0.95	0.000	0.776	0.96	1.00	0.96
23.55	121.08	1.380	58.68	0.686	0.95	0.000	0.776	0.96	1.00	0.96
23.60	121.06	1.383	58.66	0.687	0.94	0.000	0.776	0.96	1.00	0.96
23.65	121.04	1.386	58.64	0.689	0.94	0.000	0.776	0.96	1.00	0.96
23.70	121.02	1.389	58.62	0.690	0.94	0.000	0.776	0.96	1.00	0.96
23.75	121.00	1.392	58.60	0.692	0.94	0.000	0.776	0.96	1.00	0.96
23.80	120.98	1.395	58.58	0.693	0.94	0.000	0.776	0.96	1.00	0.96
23.85	120.96	1.398	58.56	0.694	0.94	0.000	0.776	0.96	1.00	0.96
23.90	120.94	1.400	58.54	0.696	0.94	0.000	0.776	0.96	1.00	0.96
23.95	120.92	1.403	58.52	0.697	0.94	0.000	0.776	0.96	1.00	0.96
24.00	120.90	1.406	58.50	0.698	0.94	0.000	0.776	0.96	1.00	0.96
24.05	120.88	1.409	58.48	0.700	0.94	0.000	0.776	0.96	1.00	0.96
24.10	120.86	1.412	58.46	0.701	0.94	0.000	0.776	0.96	1.00	0.96
24.15	120.84	1.415	58.44	0.703	0.94	0.000	0.776	0.96	1.00	0.96
24.20	120.82	1.418	58.42	0.704	0.94	0.000	0.776	0.96	1.00	0.96
24.25	120.80	1.420	58.40	0.705	0.94	0.000	0.776	0.96	1.00	0.96
24.30	120.78	1.423	58.38	0.707	0.94	0.000	0.776	0.96	1.00	0.96
24.35	120.76	1.426	58.36	0.708	0.94	0.000	0.776	0.96	1.00	0.96
24.40	120.74	1.429	58.34	0.710	0.94	0.000	0.776	0.96	1.00	0.96
24.45	120.72	1.432	58.32	0.711	0.94	0.000	0.776	0.96	1.00	0.96
24.50	120.70	1.435	58.30	0.712	0.94	0.000	0.776	0.96	1.00	0.96
24.55	120.68	1.438	58.28	0.714	0.94	0.000	0.776	0.96	1.00	0.96
24.60	120.66	1.440	58.26	0.715	0.94	0.000	0.776	0.96	1.00	0.96
24.65	120.64	1.443	58.24	0.716	0.94	0.000	0.776	0.96	1.00	0.96
24.70	120.62	1.446	58.22	0.718	0.94	0.000	0.776	0.96	1.00	0.96
24.75	120.60	1.449	58.20	0.719	0.94	0.000	0.776	0.96	1.00	0.96
24.80	120.58	1.452	58.18	0.721	0.94	0.000	0.776	0.96	1.00	0.96
24.85	120.56	1.455	58.16	0.722	0.94	0.000	0.776	0.96	1.00	0.96
24.90	120.54	1.458	58.14	0.723	0.94	0.000	0.776	0.96	1.00	0.96
24.95	120.52	1.460	58.12	0.725	0.94	0.000	0.776	0.96	1.00	0.96
25.00	120.50	1.463	58.10	0.726	0.94	0.000	0.776	0.96	1.00	0.96
25.05	120.52	1.466	58.12	0.727	0.94	0.000	0.776	0.96	1.00	0.96
25.10	120.53	1.469	58.13	0.729	0.94	0.000	0.776	0.96	1.00	0.96
25.15	120.55	1.472	58.15	0.730	0.94	0.000	0.776	0.96	1.00	0.96
25.20	120.56	1.475	58.16	0.732	0.94	0.000	0.776	0.96	1.00	0.96
25.25	120.58	1.477	58.18	0.733	0.94	0.000	0.776	0.96	1.00	0.96
25.30	120.60	1.480	58.20	0.734	0.94	0.000	0.776	0.96	1.00	0.96
25.35	120.61	1.483	58.21	0.736	0.94	0.000	0.776	0.96	1.00	0.96
25.40	120.63	1.486	58.23	0.737	0.94	0.000	0.776	0.96	1.00	0.96
25.45	120.64	1.489	58.24	0.738	0.94	0.000	0.776	0.96	1.00	0.96
25.50	120.66	1.492	58.26	0.740	0.94	0.000	0.776	0.96	1.00	0.96
25.55	120.68	1.495	58.28	0.741	0.94	0.000	0.776	0.96	1.00	0.96
25.60	120.69	1.497	58.29	0.743	0.94	0.000	0.776	0.96	1.00	0.96
25.65	120.71	1.500	58.31	0.744	0.94	0.000	0.776	0.96	1.00	0.96
25.70	120.72	1.503	58.32	0.745	0.94	0.000	0.776	0.96	1.00	0.96
25.75	120.74	1.506	58.34	0.747	0.94	0.000	0.776	0.96	1.00	0.96
25.80	120.76	1.509	58.36	0.748	0.94	0.000	0.776	0.96	1.00	0.96
25.85	120.77	1.512	58.37	0.749	0.94	0.000	0.776	0.96	1.00	0.96
25.90	120.79	1.515	58.39	0.751	0.94	0.000	0.776	0.96	1.00	0.96
25.95	120.80	1.517	58.40	0.752	0.94	0.000	0.776	0.96	1.00	0.96
26.00	120.82	1.520	58.42	0.754	0.94	0.000	0.776	0.96	1.00	0.96
26.05	120.84	1.523	58.44	0.755	0.94	0.000	0.776	0.96	1.00	0.96
26.10	120.85	1.526	58.45	0.756	0.94	0.000	0.776	0.96	1.00	0.96
26.15	120.87	1.529	58.47	0.758	0.94	0.000	0.776	0.96	1.00	0.96
26.20	120.88	1.532	58.48	0.759	0.94	0.000	0.776	0.96	1.00	0.96
26.25	120.90	1.535	58.50	0.760	0.94	0.000	0.776	0.96	1.00	0.96
26.30	120.92	1.537	58.52	0.762	0.94	0.000	0.776	0.96	1.00	0.96
26.35	120.93	1.540	58.53	0.763	0.94	0.000	0.776	0.96	1.00	0.96
26.40	120.95	1.543	58.55	0.765	0.94	0.000	0.776	0.96	1.00	0.96
26.45	120.96	1.546	58.56	0.766	0.94	0.000	0.776	0.96	1.00	0.96
26.50	120.98	1.549	58.58	0.767	0.94	0.000	0.776	0.96	1.00	0.96
26.55	121.00	1.552	58.60	0.769	0.94	0.000	0.776	0.96	1.00	0.96
26.60	121.01	1.555	58.61	0.770	0.94	0.000	0.776	0.95	1.00	0.95
26.65	121.03	1.557	58.63	0.772	0.94	0.000	0.776	0.95	1.00	0.95
26.70	121.04	1.560	58.64	0.773	0.94	0.000	0.776	0.95	1.00	0.95
26.75	121.06	1.563	58.66	0.774	0.94	0.000	0.776	0.95	1.00	0.95
26.80	121.08	1.566	58.68	0.776	0.94	0.000	0.776	0.95	1.00	0.95
26.85	121.09	1.569	58.69	0.777	0.94	0.000	0.776	0.95	1.00	0.95
26.90	121.11	1.572	58.71	0.778	0.94	0.000	0.776	0.95	1.00	0.95
26.95	121.12	1.575	58.72	0.780	0.94	0.000	0.776	0.95	1.00	0.95
27.00	121.14	1.577	58.74	0.781	0.94	0.000	0.776	0.95	1.00	0.95
27.05	121.16	1.580	58.76	0.783	0.94	0.000	0.776	0.95	1.00	0.95

27.10	121.17	1.583	58.77	0.784	0.94	0.000	0.776	0.95	1.00	0.95
27.15	121.19	1.586	58.79	0.785	0.94	0.000	0.776	0.95	1.00	0.95
27.20	121.20	1.589	58.80	0.787	0.94	0.000	0.776	0.95	1.00	0.95
27.25	121.22	1.592	58.82	0.788	0.94	0.000	0.776	0.95	1.00	0.95
27.30	121.24	1.595	58.84	0.790	0.94	0.000	0.776	0.95	1.00	0.95
27.35	121.25	1.597	58.85	0.791	0.94	0.000	0.776	0.95	1.00	0.95
27.40	121.27	1.600	58.87	0.792	0.94	0.000	0.776	0.95	1.00	0.95
27.45	121.28	1.603	58.88	0.794	0.94	0.000	0.776	0.95	1.00	0.95
27.50	121.30	1.606	58.90	0.795	0.94	0.000	0.776	0.95	1.00	0.95
27.55	121.32	1.609	58.92	0.797	0.94	0.000	0.776	0.95	1.00	0.95
27.60	121.33	1.612	58.93	0.798	0.94	0.000	0.776	0.95	1.00	0.95
27.65	121.35	1.615	58.95	0.799	0.94	0.000	0.776	0.95	1.00	0.95
27.70	121.36	1.618	58.96	0.801	0.94	0.000	0.776	0.95	1.00	0.95
27.75	121.38	1.620	58.98	0.802	0.94	0.000	0.776	0.95	1.00	0.95
27.80	121.40	1.623	59.00	0.804	0.94	0.000	0.776	0.95	1.00	0.95
27.85	121.41	1.626	59.01	0.805	0.94	0.000	0.776	0.95	1.00	0.95
27.90	121.43	1.629	59.03	0.806	0.93	0.000	0.776	0.95	1.00	0.95
27.95	121.44	1.632	59.04	0.808	0.93	0.000	0.776	0.95	1.00	0.95
28.00	121.46	1.635	59.06	0.809	0.93	0.000	0.776	0.95	1.00	0.95
28.05	121.48	1.638	59.08	0.810	0.93	0.000	0.776	0.95	1.00	0.95
28.10	121.49	1.640	59.09	0.812	0.93	0.000	0.776	0.95	1.00	0.95
28.15	121.51	1.643	59.11	0.813	0.93	0.000	0.776	0.95	1.00	0.95
28.20	121.52	1.646	59.12	0.815	0.93	0.000	0.776	0.95	1.00	0.95
28.25	121.54	1.649	59.14	0.816	0.93	0.000	0.776	0.95	1.00	0.95
28.30	121.56	1.652	59.16	0.817	0.93	0.000	0.776	0.95	1.00	0.95
28.35	121.57	1.655	59.17	0.819	0.93	0.000	0.776	0.95	1.00	0.95
28.40	121.59	1.658	59.19	0.820	0.93	0.000	0.776	0.95	1.00	0.95
28.45	121.60	1.661	59.20	0.822	0.93	0.000	0.776	0.95	1.00	0.95
28.50	121.62	1.663	59.22	0.823	0.93	0.000	0.776	0.95	1.00	0.95
28.55	121.64	1.666	59.24	0.824	0.93	0.000	0.776	0.95	1.00	0.95
28.60	121.65	1.669	59.25	0.826	0.93	0.000	0.776	0.95	1.00	0.95
28.65	121.67	1.672	59.27	0.827	0.93	0.000	0.776	0.95	1.00	0.95
28.70	121.68	1.675	59.28	0.829	0.93	0.000	0.776	0.95	1.00	0.95
28.75	121.70	1.678	59.30	0.830	0.93	0.000	0.776	0.95	1.00	0.95
28.80	121.72	1.681	59.32	0.831	0.93	0.000	0.776	0.95	1.00	0.95
28.85	121.73	1.684	59.33	0.833	0.93	0.000	0.776	0.95	1.00	0.95
28.90	121.75	1.686	59.35	0.834	0.93	0.000	0.776	0.95	1.00	0.95
28.95	121.76	1.689	59.36	0.836	0.93	0.000	0.776	0.95	1.00	0.95
29.00	121.78	1.692	59.38	0.837	0.93	0.000	0.776	0.95	1.00	0.95
29.05	121.80	1.695	59.40	0.838	0.93	0.000	0.776	0.95	1.00	0.95
29.10	121.81	1.698	59.41	0.840	0.93	0.000	0.776	0.95	1.00	0.95
29.15	121.83	1.701	59.43	0.841	0.93	0.000	0.776	0.95	1.00	0.95
29.20	121.84	1.704	59.44	0.843	0.93	0.000	0.776	0.95	1.00	0.95
29.25	121.86	1.707	59.46	0.844	0.93	0.000	0.776	0.95	1.00	0.95
29.30	121.88	1.709	59.48	0.845	0.93	0.000	0.776	0.95	1.00	0.95
29.35	121.89	1.712	59.49	0.847	0.93	0.000	0.776	0.95	1.00	0.95
29.40	121.91	1.715	59.51	0.848	0.93	0.000	0.776	0.95	1.00	0.95
29.45	121.92	1.718	59.52	0.850	0.93	0.000	0.776	0.95	1.00	0.95
29.50	121.94	1.721	59.54	0.851	0.93	0.000	0.776	0.95	1.00	0.95
29.55	121.96	1.724	59.56	0.853	0.93	0.000	0.776	0.95	1.00	0.95
29.60	121.97	1.727	59.57	0.854	0.93	0.000	0.776	0.95	1.00	0.95
29.65	121.99	1.730	59.59	0.855	0.93	0.000	0.776	0.95	1.00	0.95
29.70	122.00	1.733	59.60	0.857	0.93	0.000	0.776	0.95	1.00	0.95
29.75	122.02	1.735	59.62	0.858	0.93	0.000	0.776	0.95	1.00	0.95
29.80	122.04	1.738	59.64	0.860	0.93	0.000	0.776	0.95	1.00	0.95
29.85	122.05	1.741	59.65	0.861	0.93	0.000	0.776	0.95	1.00	0.95
29.90	122.07	1.744	59.67	0.862	0.93	0.000	0.776	0.95	1.00	0.95
29.95	122.08	1.747	59.68	0.864	0.93	0.000	0.776	0.95	1.00	0.95
30.00	122.10	1.750	59.70	0.865	0.93	0.000	0.776	0.95	1.00	0.95
30.05	122.09	1.753	59.69	0.867	0.93	0.000	0.776	0.95	1.00	0.95
30.10	122.07	1.756	59.67	0.868	0.93	0.000	0.776	0.95	1.00	0.95
30.15	122.06	1.758	59.66	0.869	0.93	0.000	0.776	0.95	1.00	0.95
30.20	122.05	1.761	59.65	0.871	0.93	0.000	0.776	0.95	1.00	0.95
30.25	122.04	1.764	59.64	0.872	0.93	0.000	0.776	0.95	1.00	0.95
30.30	122.02	1.767	59.62	0.874	0.93	0.000	0.776	0.95	1.00	0.95
30.35	122.01	1.770	59.61	0.875	0.93	0.000	0.776	0.95	1.00	0.95
30.40	122.00	1.773	59.60	0.876	0.93	0.000	0.776	0.95	1.00	0.95
30.45	121.98	1.776	59.58	0.878	0.93	0.000	0.776	0.94	1.00	0.94
30.50	121.97	1.779	59.57	0.879	0.93	0.000	0.776	0.94	1.00	0.94
30.55	121.96	1.782	59.56	0.881	0.93	0.000	0.776	0.94	1.00	0.94
30.60	121.94	1.784	59.54	0.882	0.92	0.000	0.776	0.94	1.00	0.94
30.65	121.93	1.787	59.53	0.884	0.92	0.000	0.776	0.94	1.00	0.94
30.70	121.92	1.790	59.52	0.885	0.92	0.000	0.776	0.94	1.00	0.94

30.75	121.91	1.793	59.51	0.886	0.92	0.000	0.776	0.94	1.00	0.94
30.80	121.89	1.796	59.49	0.888	0.92	0.000	0.776	0.94	1.00	0.94
30.85	121.88	1.799	59.48	0.889	0.92	0.000	0.776	0.94	1.00	0.94
30.90	121.87	1.802	59.47	0.891	0.92	0.000	0.776	0.94	1.00	0.94
30.95	121.85	1.805	59.45	0.892	0.92	0.000	0.776	0.94	1.00	0.94
31.00	121.84	1.807	59.44	0.893	0.92	0.000	0.776	0.94	1.00	0.94
31.05	121.83	1.810	59.43	0.895	0.92	0.000	0.776	0.94	1.00	0.94
31.10	121.81	1.813	59.41	0.896	0.92	0.000	0.776	0.94	1.00	0.94
31.15	121.80	1.816	59.40	0.898	0.92	0.000	0.776	0.94	1.00	0.94
31.20	121.79	1.819	59.39	0.899	0.92	0.000	0.776	0.94	1.00	0.94
31.25	121.78	1.822	59.38	0.900	0.92	0.000	0.776	0.94	1.00	0.94
31.30	121.76	1.825	59.36	0.902	0.92	0.000	0.776	0.94	1.00	0.94
31.35	121.75	1.828	59.35	0.903	0.92	0.000	0.776	0.94	1.00	0.94
31.40	121.74	1.830	59.34	0.905	0.92	0.000	0.776	0.94	1.00	0.94
31.45	121.72	1.833	59.32	0.906	0.92	0.000	0.776	0.94	1.00	0.94
31.50	121.71	1.836	59.31	0.907	0.92	0.000	0.776	0.94	1.00	0.94
31.55	121.70	1.839	59.30	0.909	0.92	0.000	0.776	0.94	1.00	0.94
31.60	121.68	1.842	59.28	0.910	0.92	0.000	0.776	0.94	1.00	0.94
31.65	121.67	1.845	59.27	0.912	0.92	0.000	0.776	0.94	1.00	0.94
31.70	121.66	1.848	59.26	0.913	0.92	0.000	0.776	0.94	1.00	0.94
31.75	121.65	1.851	59.25	0.914	0.92	0.000	0.776	0.93	1.00	0.93
31.80	121.63	1.853	59.23	0.916	0.92	0.000	0.776	0.93	1.00	0.93
31.85	121.62	1.856	59.22	0.917	0.91	0.000	0.776	0.93	1.00	0.93
31.90	121.61	1.859	59.21	0.919	0.91	0.000	0.776	0.93	1.00	0.93
31.95	121.59	1.862	59.19	0.920	0.91	0.000	0.776	0.93	1.00	0.93
32.00	121.58	1.865	59.18	0.921	0.91	0.000	0.776	0.93	1.00	0.93
32.05	121.57	1.868	59.17	0.923	0.91	0.000	0.776	0.93	1.00	0.93
32.10	121.55	1.871	59.15	0.924	0.91	0.000	0.776	0.93	1.00	0.93
32.15	121.54	1.874	59.14	0.926	0.91	0.000	0.776	0.93	1.00	0.93
32.20	121.53	1.876	59.13	0.927	0.91	0.000	0.776	0.93	1.00	0.93
32.25	121.52	1.879	59.12	0.928	0.91	0.000	0.776	0.93	1.00	0.93
32.30	121.50	1.882	59.10	0.930	0.91	0.000	0.776	0.93	1.00	0.93
32.35	121.49	1.885	59.09	0.931	0.91	0.000	0.776	0.93	1.00	0.93
32.40	121.48	1.888	59.08	0.933	0.91	0.000	0.776	0.93	1.00	0.93
32.45	121.46	1.891	59.06	0.934	0.91	0.000	0.776	0.93	1.00	0.93
32.50	121.45	1.894	59.05	0.935	0.91	0.000	0.776	0.93	1.00	0.93
32.55	121.44	1.897	59.04	0.937	0.91	0.000	0.776	0.93	1.00	0.93
32.60	121.42	1.899	59.02	0.938	0.91	0.000	0.776	0.93	1.00	0.93
32.65	121.41	1.902	59.01	0.940	0.91	0.000	0.776	0.93	1.00	0.93
32.70	121.40	1.905	59.00	0.941	0.91	0.000	0.776	0.93	1.00	0.93
32.75	121.39	1.908	58.99	0.942	0.91	0.000	0.776	0.93	1.00	0.93
32.80	121.37	1.911	58.97	0.944	0.91	0.000	0.776	0.93	1.00	0.93
32.85	121.36	1.914	58.96	0.945	0.91	0.000	0.776	0.93	1.00	0.93
32.90	121.35	1.917	58.95	0.947	0.91	0.000	0.776	0.93	1.00	0.93
32.95	121.33	1.919	58.93	0.948	0.91	0.000	0.776	0.93	1.00	0.93
33.00	121.32	1.922	58.92	0.949	0.91	0.000	0.776	0.92	1.00	0.92
33.05	121.31	1.925	58.91	0.951	0.91	0.000	0.776	0.92	1.00	0.92
33.10	121.29	1.928	58.89	0.952	0.90	0.000	0.776	0.92	1.00	0.92
33.15	121.28	1.931	58.88	0.953	0.90	0.000	0.776	0.92	1.00	0.92
33.20	121.27	1.934	58.87	0.955	0.90	0.000	0.776	0.92	1.00	0.92
33.25	121.26	1.937	58.86	0.956	0.90	0.000	0.776	0.92	1.00	0.92
33.30	121.24	1.940	58.84	0.958	0.90	0.000	0.776	0.92	1.00	0.92
33.35	121.23	1.942	58.83	0.959	0.90	0.000	0.776	0.92	1.00	0.92
33.40	121.22	1.945	58.82	0.960	0.90	0.000	0.776	0.92	1.00	0.92
33.45	121.20	1.948	58.80	0.962	0.90	0.000	0.776	0.92	1.00	0.92
33.50	121.19	1.951	58.79	0.963	0.90	0.000	0.776	0.92	1.00	0.92
33.55	121.18	1.954	58.78	0.965	0.90	0.000	0.776	0.92	1.00	0.92
33.60	121.16	1.957	58.76	0.966	0.90	0.000	0.776	0.92	1.00	0.92
33.65	121.15	1.960	58.75	0.967	0.90	0.000	0.776	0.92	1.00	0.92
33.70	121.14	1.962	58.74	0.969	0.90	0.000	0.776	0.92	1.00	0.92
33.75	121.13	1.965	58.73	0.970	0.90	0.000	0.776	0.92	1.00	0.92
33.80	121.11	1.968	58.71	0.972	0.90	0.000	0.776	0.92	1.00	0.92
33.85	121.10	1.971	58.70	0.973	0.90	0.000	0.776	0.92	1.00	0.92
33.90	121.09	1.974	58.69	0.974	0.90	0.000	0.776	0.92	1.00	0.92
33.95	121.07	1.977	58.67	0.976	0.90	0.000	0.776	0.92	1.00	0.92
34.00	121.06	1.980	58.66	0.977	0.90	0.000	0.776	0.92	1.00	0.92
34.05	121.05	1.982	58.65	0.978	0.90	0.000	0.776	0.92	1.00	0.92
34.10	121.03	1.985	58.63	0.980	0.90	0.000	0.776	0.92	1.00	0.92
34.15	121.02	1.988	58.62	0.981	0.90	0.000	0.776	0.92	1.00	0.92
34.20	121.01	1.991	58.61	0.983	0.90	0.000	0.776	0.92	1.00	0.92
34.25	121.00	1.994	58.60	0.984	0.90	0.000	0.776	0.92	1.00	0.92
34.30	120.98	1.997	58.58	0.985	0.89	0.000	0.776	0.91	1.00	0.91
34.35	120.97	2.000	58.57	0.987	0.89	0.000	0.776	0.91	1.00	0.91

34.40	120.96	2.002	58.56	0.988	0.89	0.000	0.776	0.91	1.00	0.91
34.45	120.94	2.005	58.54	0.990	0.89	0.000	0.776	0.91	1.00	0.91
34.50	120.93	2.008	58.53	0.991	0.89	0.000	0.776	0.91	1.00	0.91
34.55	120.92	2.011	58.52	0.992	0.89	0.000	0.776	0.91	1.00	0.91
34.60	120.90	2.014	58.50	0.994	0.89	0.000	0.776	0.91	1.00	0.91
34.65	120.89	2.017	58.49	0.995	0.89	0.000	0.776	0.91	1.00	0.91
34.70	120.88	2.020	58.48	0.996	0.89	0.000	0.776	0.91	1.00	0.91
34.75	120.87	2.022	58.47	0.998	0.89	0.000	0.776	0.91	1.00	0.91
34.80	120.85	2.025	58.45	0.999	0.89	0.000	0.776	0.91	1.00	0.91
34.85	120.84	2.028	58.44	1.001	0.89	0.000	0.776	0.91	1.00	0.91
34.90	120.83	2.031	58.43	1.002	0.89	0.000	0.776	0.91	1.00	0.91
34.95	120.81	2.034	58.41	1.003	0.89	0.000	0.776	0.91	1.00	0.91
35.00	120.80	2.037	58.40	1.005	0.89	0.000	0.776	0.91	1.00	0.91
35.05	120.78	2.040	58.38	1.006	0.89	0.000	0.776	0.91	1.00	0.91
35.10	120.77	2.042	58.37	1.007	0.89	0.000	0.776	0.91	1.00	0.91
35.15	120.75	2.045	58.35	1.009	0.89	0.000	0.776	0.91	1.00	0.91
35.20	120.74	2.048	58.34	1.010	0.89	0.000	0.776	0.91	1.00	0.91
35.25	120.72	2.051	58.32	1.012	0.89	0.000	0.776	0.91	1.00	0.91
35.30	120.70	2.054	58.30	1.013	0.89	0.000	0.776	0.91	1.00	0.91
35.35	120.69	2.057	58.29	1.014	0.89	0.000	0.776	0.91	1.00	0.91
35.40	120.67	2.060	58.27	1.016	0.89	0.000	0.776	0.91	1.00	0.91
35.45	120.66	2.062	58.26	1.017	0.89	0.000	0.776	0.91	1.00	0.91
35.50	120.64	2.065	58.24	1.019	0.89	0.000	0.776	0.91	1.00	0.91
35.55	120.62	2.068	58.22	1.020	0.88	0.000	0.776	0.90	1.00	0.90
35.60	120.61	2.071	58.21	1.021	0.88	0.000	0.776	0.90	1.00	0.90
35.65	120.59	2.074	58.19	1.023	0.88	0.000	0.776	0.90	1.00	0.90
35.70	120.58	2.077	58.18	1.024	0.88	0.000	0.776	0.90	1.00	0.90
35.75	120.56	2.080	58.16	1.025	0.88	0.000	0.776	0.90	1.00	0.90
35.80	120.54	2.082	58.14	1.027	0.88	0.000	0.776	0.90	1.00	0.90
35.85	120.53	2.085	58.13	1.028	0.88	0.000	0.776	0.90	1.00	0.90
35.90	120.51	2.088	58.11	1.030	0.88	0.000	0.776	0.90	1.00	0.90
35.95	120.50	2.091	58.10	1.031	0.88	0.000	0.776	0.90	1.00	0.90
36.00	120.48	2.094	58.08	1.032	0.88	0.000	0.776	0.90	1.00	0.90
36.05	120.46	2.097	58.06	1.034	0.88	0.000	0.776	0.90	1.00	0.90
36.10	120.45	2.099	58.05	1.035	0.88	0.000	0.776	0.90	1.00	0.90
36.15	120.43	2.102	58.03	1.036	0.88	0.000	0.776	0.90	1.00	0.90
36.20	120.42	2.105	58.02	1.038	0.88	0.000	0.776	0.90	1.00	0.90
36.25	120.40	2.108	58.00	1.039	0.88	0.000	0.776	0.90	1.00	0.90
36.30	120.38	2.111	57.98	1.040	0.88	0.000	0.776	0.90	1.00	0.90
36.35	120.37	2.114	57.97	1.042	0.88	0.000	0.776	0.90	1.00	0.90
36.40	120.35	2.117	57.95	1.043	0.88	0.000	0.776	0.90	1.00	0.90
36.45	120.34	2.119	57.94	1.045	0.88	0.000	0.776	0.90	1.00	0.90
36.50	120.32	2.122	57.92	1.046	0.88	0.000	0.776	0.90	1.00	0.90
36.55	120.30	2.125	57.90	1.047	0.88	0.000	0.776	0.90	1.00	0.90
36.60	120.29	2.128	57.89	1.049	0.88	0.000	0.776	0.90	1.00	0.90
36.65	120.27	2.131	57.87	1.050	0.88	0.000	0.776	0.90	1.00	0.90
36.70	120.26	2.134	57.86	1.051	0.88	0.000	0.776	0.90	1.00	0.90
36.75	120.24	2.136	57.84	1.053	0.87	0.000	0.776	0.90	1.00	0.90
36.80	120.22	2.139	57.82	1.054	0.87	0.000	0.776	0.90	1.00	0.90
36.85	120.21	2.142	57.81	1.056	0.87	0.000	0.776	0.89	1.00	0.89
36.90	120.19	2.145	57.79	1.057	0.87	0.000	0.776	0.89	1.00	0.89
36.95	120.18	2.148	57.78	1.058	0.87	0.000	0.776	0.89	1.00	0.89
37.00	120.16	2.151	57.76	1.060	0.87	0.000	0.776	0.89	1.00	0.89
37.05	120.14	2.153	57.74	1.061	0.87	0.000	0.776	0.89	1.00	0.89
37.10	120.13	2.156	57.73	1.062	0.87	0.000	0.776	0.89	1.00	0.89
37.15	120.11	2.159	57.71	1.064	0.87	0.000	0.776	0.89	1.00	0.89
37.20	120.10	2.162	57.70	1.065	0.87	0.000	0.776	0.89	1.00	0.89
37.25	120.08	2.165	57.68	1.066	0.87	0.000	0.776	0.89	1.00	0.89
37.30	120.06	2.168	57.66	1.068	0.87	0.000	0.776	0.89	1.00	0.89
37.35	120.05	2.171	57.65	1.069	0.87	0.000	0.776	0.89	1.00	0.89
37.40	120.03	2.173	57.63	1.071	0.87	0.000	0.776	0.89	1.00	0.89
37.45	120.02	2.176	57.62	1.072	0.87	0.000	0.776	0.89	1.00	0.89
37.50	120.00	2.179	57.60	1.073	0.87	0.000	0.776	0.89	1.00	0.89
37.55	119.98	2.182	57.58	1.075	0.87	0.000	0.776	0.89	1.00	0.89
37.60	119.97	2.185	57.57	1.076	0.87	0.000	0.776	0.89	1.00	0.89
37.65	119.95	2.188	57.55	1.077	0.87	0.000	0.776	0.89	1.00	0.89
37.70	119.94	2.190	57.54	1.079	0.87	0.000	0.776	0.89	1.00	0.89
37.75	119.92	2.193	57.52	1.080	0.87	0.000	0.776	0.89	1.00	0.89
37.80	119.90	2.196	57.50	1.081	0.87	0.000	0.776	0.89	1.00	0.89
37.85	119.89	2.199	57.49	1.083	0.87	0.000	0.776	0.89	1.00	0.89
37.90	119.87	2.202	57.47	1.084	0.87	0.000	0.776	0.89	1.00	0.89
37.95	119.86	2.205	57.46	1.085	0.87	0.000	0.776	0.89	1.00	0.89
38.00	119.84	2.207	57.44	1.087	0.86	0.000	0.776	0.89	1.00	0.89

38.05	119.82	2.210	57.42	1.088	0.86	0.000	0.776	0.89	1.00	0.89
38.10	119.81	2.213	57.41	1.090	0.86	0.000	0.776	0.89	1.00	0.89
38.15	119.79	2.216	57.39	1.091	0.86	0.000	0.776	0.88	1.00	0.88
38.20	119.78	2.219	57.38	1.092	0.86	0.000	0.776	0.88	1.00	0.88
38.25	119.76	2.222	57.36	1.094	0.86	0.000	0.776	0.88	1.00	0.88
38.30	119.74	2.224	57.34	1.095	0.86	0.000	0.776	0.88	1.00	0.88
38.35	119.73	2.227	57.33	1.096	0.86	0.000	0.776	0.88	1.00	0.88
38.40	119.71	2.230	57.31	1.098	0.86	0.000	0.776	0.88	1.00	0.88
38.45	119.70	2.233	57.30	1.099	0.86	0.000	0.776	0.88	1.00	0.88
38.50	119.68	2.236	57.28	1.100	0.86	0.000	0.776	0.88	1.00	0.88
38.55	119.66	2.238	57.26	1.102	0.86	0.000	0.776	0.88	1.00	0.88
38.60	119.65	2.241	57.25	1.103	0.86	0.000	0.776	0.88	1.00	0.88
38.65	119.63	2.244	57.23	1.104	0.86	0.000	0.776	0.88	1.00	0.88
38.70	119.62	2.247	57.22	1.106	0.86	0.000	0.776	0.88	1.00	0.88
38.75	119.60	2.250	57.20	1.107	0.86	0.000	0.776	0.88	1.00	0.88
38.80	119.58	2.253	57.18	1.109	0.86	0.000	0.776	0.88	1.00	0.88
38.85	119.57	2.255	57.17	1.110	0.86	0.000	0.776	0.88	1.00	0.88
38.90	119.55	2.258	57.15	1.111	0.86	0.000	0.776	0.88	1.00	0.88
38.95	119.54	2.261	57.14	1.113	0.86	0.000	0.776	0.88	1.00	0.88
39.00	119.52	2.264	57.12	1.114	0.86	0.000	0.776	0.88	1.00	0.88
39.05	119.50	2.267	57.10	1.115	0.86	0.000	0.776	0.88	1.00	0.88
39.10	119.49	2.270	57.09	1.117	0.86	0.000	0.776	0.88	1.00	0.88
39.15	119.47	2.272	57.07	1.118	0.86	0.000	0.776	0.88	1.00	0.88
39.20	119.46	2.275	57.06	1.119	0.86	0.000	0.776	0.88	1.00	0.88
39.25	119.44	2.278	57.04	1.121	0.85	0.000	0.776	0.88	1.00	0.88
39.30	119.42	2.281	57.02	1.122	0.85	0.000	0.776	0.88	1.00	0.88
39.35	119.41	2.284	57.01	1.123	0.85	0.000	0.776	0.88	1.00	0.88
39.40	119.39	2.286	56.99	1.125	0.85	0.000	0.776	0.88	1.00	0.88
39.45	119.38	2.289	56.98	1.126	0.85	0.000	0.776	0.87	1.00	0.87
39.50	119.36	2.292	56.96	1.127	0.85	0.000	0.776	0.87	1.00	0.87
39.55	119.34	2.295	56.94	1.129	0.85	0.000	0.776	0.87	1.00	0.87
39.60	119.33	2.298	56.93	1.130	0.85	0.000	0.776	0.87	1.00	0.87
39.65	119.31	2.301	56.91	1.131	0.85	0.000	0.776	0.87	1.00	0.87
39.70	119.30	2.303	56.90	1.133	0.85	0.000	0.776	0.87	1.00	0.87
39.75	119.28	2.306	56.88	1.134	0.85	0.000	0.776	0.87	1.00	0.87
39.80	119.26	2.309	56.86	1.135	0.85	0.000	0.776	0.87	1.00	0.87
39.85	119.25	2.312	56.85	1.137	0.85	0.000	0.776	0.87	1.00	0.87
39.90	119.23	2.315	56.83	1.138	0.85	0.000	0.776	0.87	1.00	0.87
39.95	119.22	2.318	56.82	1.140	0.85	0.000	0.776	0.87	1.00	0.87
40.00	119.20	2.320	56.80	1.141	0.85	0.000	0.776	0.87	1.00	0.87
40.05	119.20	2.323	56.80	1.142	0.85	0.000	0.776	0.87	1.00	0.87
40.10	119.20	2.326	56.80	1.144	0.85	0.000	0.776	0.87	1.00	0.87
40.15	119.20	2.329	56.80	1.145	0.85	0.000	0.776	0.87	1.00	0.87
40.20	119.20	2.332	56.80	1.146	0.85	0.000	0.776	0.87	1.00	0.87
40.25	119.20	2.334	56.80	1.148	0.85	0.000	0.776	0.87	1.00	0.87
40.30	119.20	2.337	56.80	1.149	0.85	0.000	0.776	0.87	1.00	0.87
40.35	119.20	2.340	56.80	1.150	0.85	0.000	0.776	0.87	1.00	0.87
40.40	119.20	2.343	56.80	1.152	0.85	0.000	0.776	0.87	1.00	0.87
40.45	119.20	2.346	56.80	1.153	0.84	0.000	0.776	0.87	1.00	0.87
40.50	119.20	2.348	56.80	1.154	0.84	0.000	0.776	0.87	1.00	0.87
40.55	119.20	2.351	56.80	1.156	0.84	0.000	0.776	0.87	1.00	0.87
40.60	119.20	2.354	56.80	1.157	0.84	0.000	0.776	0.87	1.00	0.87
40.65	119.20	2.357	56.80	1.158	0.84	0.000	0.776	0.87	1.00	0.87
40.70	119.20	2.360	56.80	1.160	0.84	0.000	0.776	0.87	1.00	0.87
40.75	119.20	2.363	56.80	1.161	0.84	0.000	0.776	0.86	1.00	0.86
40.80	119.20	2.365	56.80	1.162	0.84	0.000	0.776	0.86	1.00	0.86
40.85	119.20	2.368	56.80	1.164	0.84	0.000	0.776	0.86	1.00	0.86
40.90	119.20	2.371	56.80	1.165	0.84	0.000	0.776	0.86	1.00	0.86
40.95	119.20	2.374	56.80	1.166	0.84	0.000	0.776	0.86	1.00	0.86
41.00	119.20	2.377	56.80	1.168	0.84	0.000	0.776	0.86	1.00	0.86
41.05	119.20	2.379	56.80	1.169	0.84	0.000	0.776	0.86	1.00	0.86
41.10	119.20	2.382	56.80	1.170	0.84	0.000	0.776	0.86	1.00	0.86
41.15	119.20	2.385	56.80	1.172	0.84	0.000	0.776	0.86	1.00	0.86
41.20	119.20	2.388	56.80	1.173	0.84	0.000	0.776	0.86	1.00	0.86
41.25	119.20	2.391	56.80	1.174	0.84	0.000	0.776	0.86	1.00	0.86
41.30	119.20	2.394	56.80	1.176	0.84	0.000	0.776	0.86	1.00	0.86
41.35	119.20	2.396	56.80	1.177	0.84	0.000	0.776	0.86	1.00	0.86
41.40	119.20	2.399	56.80	1.178	0.84	0.000	0.776	0.86	1.00	0.86
41.45	119.20	2.402	56.80	1.180	0.84	0.000	0.776	0.86	1.00	0.86
41.50	119.20	2.405	56.80	1.181	0.84	0.000	0.776	0.86	1.00	0.86
41.55	119.20	2.408	56.80	1.182	0.84	0.000	0.776	0.86	1.00	0.86
41.60	119.20	2.410	56.80	1.184	0.84	0.000	0.776	0.86	1.00	0.86
41.65	119.20	2.413	56.80	1.185	0.84	0.000	0.776	0.86	1.00	0.86

41.70	119.20	2.416	56.80	1.186	0.83	0.000	0.776	0.86	1.00	0.86
41.75	119.20	2.419	56.80	1.188	0.83	0.000	0.776	0.86	1.00	0.86
41.80	119.20	2.422	56.80	1.189	0.83	0.000	0.776	0.86	1.00	0.86
41.85	119.20	2.425	56.80	1.191	0.83	0.000	0.776	0.86	1.00	0.86
41.90	119.20	2.427	56.80	1.192	0.83	0.000	0.776	0.86	1.00	0.86
41.95	119.20	2.430	56.80	1.193	0.83	0.000	0.776	0.86	1.00	0.86
42.00	119.20	2.433	56.80	1.195	0.83	0.000	0.776	0.85	1.00	0.85
42.05	119.20	2.436	56.80	1.196	0.83	0.000	0.776	0.85	1.00	0.85
42.10	119.20	2.439	56.80	1.197	0.83	0.000	0.776	0.85	1.00	0.85
42.15	119.20	2.441	56.80	1.199	0.83	0.000	0.776	0.85	1.00	0.85
42.20	119.20	2.444	56.80	1.200	0.83	0.000	0.776	0.85	1.00	0.85
42.25	119.20	2.447	56.80	1.201	0.83	0.000	0.776	0.85	1.00	0.85
42.30	119.20	2.450	56.80	1.203	0.83	0.000	0.776	0.85	1.00	0.85
42.35	119.20	2.453	56.80	1.204	0.83	0.000	0.776	0.85	1.00	0.85
42.40	119.20	2.456	56.80	1.205	0.83	0.000	0.776	0.85	1.00	0.85
42.45	119.20	2.458	56.80	1.207	0.83	0.000	0.776	0.85	1.00	0.85
42.50	119.20	2.461	56.80	1.208	0.83	0.000	0.776	0.85	1.00	0.85
42.55	119.20	2.464	56.80	1.209	0.83	0.000	0.776	0.85	1.00	0.85
42.60	119.20	2.467	56.80	1.211	0.83	0.000	0.776	0.85	1.00	0.85
42.65	119.20	2.470	56.80	1.212	0.83	0.000	0.776	0.85	1.00	0.85
42.70	119.20	2.472	56.80	1.213	0.83	0.000	0.776	0.85	1.00	0.85
42.75	119.20	2.475	56.80	1.215	0.83	0.000	0.776	0.85	1.00	0.85
42.80	119.20	2.478	56.80	1.216	0.83	0.000	0.776	0.85	1.00	0.85
42.85	119.20	2.481	56.80	1.217	0.83	0.000	0.776	0.85	1.00	0.85
42.90	119.20	2.484	56.80	1.219	0.82	0.000	0.776	0.85	1.00	0.85
42.95	119.20	2.486	56.80	1.220	0.82	0.000	0.776	0.85	1.00	0.85
43.00	119.20	2.489	56.80	1.221	0.82	0.000	0.776	0.85	1.00	0.85
43.05	119.20	2.492	56.80	1.223	0.82	0.000	0.776	0.85	1.00	0.85
43.10	119.20	2.495	56.80	1.224	0.82	0.000	0.776	0.85	1.00	0.85
43.15	119.20	2.498	56.80	1.225	0.82	0.000	0.776	0.85	1.00	0.85
43.20	119.20	2.501	56.80	1.227	0.82	0.000	0.776	0.85	1.00	0.85
43.25	119.20	2.503	56.80	1.228	0.82	0.000	0.776	0.85	1.00	0.85
43.30	119.20	2.506	56.80	1.229	0.82	0.000	0.776	0.84	1.00	0.84
43.35	119.20	2.509	56.80	1.231	0.82	0.000	0.776	0.84	1.00	0.84
43.40	119.20	2.512	56.80	1.232	0.82	0.000	0.776	0.84	1.00	0.84
43.45	119.20	2.515	56.80	1.233	0.82	0.000	0.776	0.84	1.00	0.84
43.50	119.20	2.517	56.80	1.235	0.82	0.000	0.776	0.84	1.00	0.84
43.55	119.20	2.520	56.80	1.236	0.82	0.000	0.776	0.84	1.00	0.84
43.60	119.20	2.523	56.80	1.237	0.82	0.000	0.776	0.84	1.00	0.84
43.65	119.20	2.526	56.80	1.239	0.82	0.000	0.776	0.84	1.00	0.84
43.70	119.20	2.529	56.80	1.240	0.82	0.000	0.776	0.84	1.00	0.84
43.75	119.20	2.532	56.80	1.242	0.82	0.000	0.776	0.84	1.00	0.84
43.80	119.20	2.534	56.80	1.243	0.82	0.000	0.776	0.84	1.00	0.84
43.85	119.20	2.537	56.80	1.244	0.82	0.000	0.776	0.84	1.00	0.84
43.90	119.20	2.540	56.80	1.246	0.82	0.000	0.776	0.84	1.00	0.84
43.95	119.20	2.543	56.80	1.247	0.82	0.000	0.776	0.84	1.00	0.84
44.00	119.20	2.546	56.80	1.248	0.82	0.000	0.776	0.84	1.00	0.84
44.05	119.20	2.548	56.80	1.250	0.82	0.000	0.776	0.84	1.00	0.84
44.10	119.20	2.551	56.80	1.251	0.82	0.000	0.776	0.84	1.00	0.84
44.15	119.20	2.554	56.80	1.252	0.81	0.000	0.776	0.84	1.00	0.84
44.20	119.20	2.557	56.80	1.254	0.81	0.000	0.776	0.84	1.00	0.84
44.25	119.20	2.560	56.80	1.255	0.81	0.000	0.776	0.84	1.00	0.84
44.30	119.20	2.563	56.80	1.256	0.81	0.000	0.776	0.84	1.00	0.84
44.35	119.20	2.565	56.80	1.258	0.81	0.000	0.776	0.84	1.00	0.84
44.40	119.20	2.568	56.80	1.259	0.81	0.000	0.776	0.84	1.00	0.84
44.45	119.20	2.571	56.80	1.260	0.81	0.000	0.776	0.84	1.00	0.84
44.50	119.20	2.574	56.80	1.262	0.81	0.000	0.776	0.84	1.00	0.84
44.55	119.20	2.577	56.80	1.263	0.81	0.000	0.776	0.84	1.00	0.84
44.60	119.20	2.579	56.80	1.264	0.81	0.000	0.776	0.83	1.00	0.83
44.65	119.20	2.582	56.80	1.266	0.81	0.000	0.776	0.83	1.00	0.83
44.70	119.20	2.585	56.80	1.267	0.81	0.000	0.776	0.83	1.00	0.83
44.75	119.20	2.588	56.80	1.268	0.81	0.000	0.776	0.83	1.00	0.83
44.80	119.20	2.591	56.80	1.270	0.81	0.000	0.776	0.83	1.00	0.83
44.85	119.20	2.594	56.80	1.271	0.81	0.000	0.776	0.83	1.00	0.83
44.90	119.20	2.596	56.80	1.272	0.81	0.000	0.776	0.83	1.00	0.83
44.95	119.20	2.599	56.80	1.274	0.81	0.000	0.776	0.83	1.00	0.83
45.00	119.20	2.602	56.80	1.275	0.81	0.000	0.776	0.83	1.00	0.83
45.05	119.28	2.605	56.88	1.276	0.81	0.000	0.776	0.83	1.00	0.83
45.10	119.36	2.608	56.96	1.278	0.81	0.000	0.776	0.83	1.00	0.83
45.15	119.45	2.610	57.05	1.279	0.81	0.000	0.776	0.83	1.00	0.83
45.20	119.53	2.613	57.13	1.280	0.81	0.000	0.776	0.83	1.00	0.83
45.25	119.61	2.616	57.21	1.282	0.81	0.000	0.776	0.83	1.00	0.83
45.30	119.69	2.619	57.29	1.283	0.81	0.000	0.776	0.83	1.00	0.83

45.35	119.77	2.622	57.37	1.284	0.80	0.000	0.776	0.83	1.00	0.83
45.40	119.86	2.625	57.46	1.286	0.80	0.000	0.776	0.83	1.00	0.83
45.45	119.94	2.627	57.54	1.287	0.80	0.000	0.776	0.83	1.00	0.83
45.50	120.02	2.630	57.62	1.289	0.80	0.000	0.776	0.83	1.00	0.83
45.55	120.10	2.633	57.70	1.290	0.80	0.000	0.776	0.83	1.00	0.83
45.60	120.18	2.636	57.78	1.291	0.80	0.000	0.776	0.83	1.00	0.83
45.65	120.27	2.639	57.87	1.293	0.80	0.000	0.776	0.83	1.00	0.83
45.70	120.35	2.642	57.95	1.294	0.80	0.000	0.776	0.83	1.00	0.83
45.75	120.43	2.644	58.03	1.295	0.80	0.000	0.776	0.83	1.00	0.83
45.80	120.51	2.647	58.11	1.297	0.80	0.000	0.776	0.83	1.00	0.83
45.85	120.59	2.650	58.19	1.298	0.80	0.000	0.776	0.82	1.00	0.82
45.90	120.68	2.653	58.28	1.300	0.80	0.000	0.776	0.82	1.00	0.82
45.95	120.76	2.656	58.36	1.301	0.80	0.000	0.776	0.82	1.00	0.82
46.00	120.84	2.659	58.44	1.302	0.80	0.000	0.776	0.82	1.00	0.82
46.05	120.92	2.662	58.52	1.304	0.80	0.000	0.776	0.82	1.00	0.82
46.10	121.00	2.664	58.60	1.305	0.80	0.000	0.776	0.82	1.00	0.82
46.15	121.09	2.667	58.69	1.306	0.80	0.000	0.776	0.82	1.00	0.82
46.20	121.17	2.670	58.77	1.308	0.80	0.000	0.776	0.82	1.00	0.82
46.25	121.25	2.673	58.85	1.309	0.80	0.000	0.776	0.82	1.00	0.82
46.30	121.33	2.676	58.93	1.311	0.80	0.000	0.776	0.82	1.00	0.82
46.35	121.41	2.679	59.01	1.312	0.80	0.000	0.776	0.82	1.00	0.82
46.40	121.50	2.682	59.10	1.313	0.80	0.000	0.776	0.82	1.00	0.82
46.45	121.58	2.684	59.18	1.315	0.80	0.000	0.776	0.82	1.00	0.82
46.50	121.66	2.687	59.26	1.316	0.80	0.000	0.776	0.82	1.00	0.82
46.55	121.74	2.690	59.34	1.318	0.80	0.000	0.776	0.82	1.00	0.82
46.60	121.82	2.693	59.42	1.319	0.79	0.000	0.776	0.82	1.00	0.82
46.65	121.91	2.696	59.51	1.320	0.79	0.000	0.776	0.82	1.00	0.82
46.70	121.99	2.699	59.59	1.322	0.79	0.000	0.776	0.82	1.00	0.82
46.75	122.07	2.702	59.67	1.323	0.79	0.000	0.776	0.82	1.00	0.82
46.80	122.15	2.705	59.75	1.325	0.79	0.000	0.776	0.82	1.00	0.82
46.85	122.23	2.707	59.83	1.326	0.79	0.000	0.776	0.82	1.00	0.82
46.90	122.32	2.710	59.92	1.327	0.79	0.000	0.776	0.82	1.00	0.82
46.95	122.40	2.713	60.00	1.329	0.79	0.000	0.776	0.82	1.00	0.82
47.00	122.48	2.716	60.08	1.330	0.79	0.000	0.776	0.82	1.00	0.82
47.05	122.56	2.719	60.16	1.332	0.79	0.000	0.776	0.81	1.00	0.81
47.10	122.64	2.722	60.24	1.333	0.79	0.000	0.776	0.81	1.00	0.81
47.15	122.73	2.725	60.33	1.335	0.79	0.000	0.776	0.81	1.00	0.81
47.20	122.81	2.728	60.41	1.336	0.79	0.000	0.776	0.81	1.00	0.81
47.25	122.89	2.731	60.49	1.337	0.79	0.000	0.776	0.81	1.00	0.81
47.30	122.97	2.734	60.57	1.339	0.79	0.000	0.776	0.81	1.00	0.81
47.35	123.05	2.736	60.65	1.340	0.79	0.000	0.776	0.81	1.00	0.81
47.40	123.14	2.739	60.74	1.342	0.79	0.000	0.776	0.81	1.00	0.81
47.45	123.22	2.742	60.82	1.343	0.79	0.000	0.776	0.81	1.00	0.81
47.50	123.30	2.745	60.90	1.345	0.79	0.000	0.776	0.81	1.00	0.81
47.55	123.38	2.748	60.98	1.346	0.79	0.000	0.776	0.81	1.00	0.81
47.60	123.46	2.751	61.06	1.347	0.79	0.000	0.776	0.81	1.00	0.81
47.65	123.55	2.754	61.15	1.349	0.79	0.000	0.776	0.81	1.00	0.81
47.70	123.63	2.757	61.23	1.350	0.79	0.000	0.776	0.81	1.00	0.81
47.75	123.71	2.760	61.31	1.352	0.79	0.000	0.776	0.81	1.00	0.81
47.80	123.79	2.763	61.39	1.353	0.79	0.000	0.776	0.81	1.00	0.81
47.85	123.87	2.766	61.47	1.355	0.78	0.000	0.776	0.81	1.00	0.81
47.90	123.96	2.769	61.56	1.356	0.78	0.000	0.776	0.81	1.00	0.81
47.95	124.04	2.771	61.64	1.358	0.78	0.000	0.776	0.81	1.00	0.81
48.00	124.12	2.774	61.72	1.359	0.78	0.000	0.776	0.81	1.00	0.81
48.05	124.20	2.777	61.80	1.360	0.78	0.000	0.776	0.81	1.00	0.81
48.10	124.28	2.780	61.88	1.362	0.78	0.000	0.776	0.81	1.00	0.81
48.15	124.37	2.783	61.97	1.363	0.78	0.000	0.776	0.81	1.00	0.81
48.20	124.45	2.786	62.05	1.365	0.78	0.000	0.776	0.80	1.00	0.80
48.25	124.53	2.789	62.13	1.366	0.78	0.000	0.776	0.80	1.00	0.80
48.30	124.61	2.792	62.21	1.368	0.78	0.000	0.776	0.80	1.00	0.80
48.35	124.69	2.795	62.29	1.369	0.78	0.000	0.776	0.80	1.00	0.80
48.40	124.78	2.798	62.38	1.371	0.78	0.000	0.776	0.80	1.00	0.80
48.45	124.86	2.801	62.46	1.372	0.78	0.000	0.776	0.80	1.00	0.80
48.50	124.94	2.804	62.54	1.374	0.78	0.000	0.776	0.80	1.00	0.80
48.55	125.02	2.807	62.62	1.375	0.78	0.000	0.776	0.80	1.00	0.80
48.60	125.10	2.810	62.70	1.377	0.78	0.000	0.776	0.80	1.00	0.80
48.65	125.19	2.813	62.79	1.378	0.78	0.000	0.776	0.80	1.00	0.80
48.70	125.27	2.816	62.87	1.380	0.78	0.000	0.776	0.80	1.00	0.80
48.75	125.35	2.819	62.95	1.381	0.78	0.000	0.776	0.80	1.00	0.80
48.80	125.43	2.822	63.03	1.383	0.78	0.000	0.776	0.80	1.00	0.80
48.85	125.51	2.824	63.11	1.384	0.78	0.000	0.776	0.80	1.00	0.80
48.90	125.60	2.827	63.20	1.386	0.78	0.000	0.776	0.80	1.00	0.80
48.95	125.68	2.830	63.28	1.387	0.78	0.000	0.776	0.80	1.00	0.80

49.00	125.76	2.833	63.36	1.389	0.78	0.000	0.776	0.80	1.00	0.80
49.05	125.84	2.836	63.44	1.390	0.77	0.000	0.776	0.80	1.00	0.80
49.10	125.92	2.839	63.52	1.392	0.77	0.000	0.776	0.80	1.00	0.80
49.15	126.01	2.842	63.61	1.393	0.77	0.000	0.776	0.80	1.00	0.80
49.20	126.09	2.845	63.69	1.395	0.77	0.000	0.776	0.80	1.00	0.80
49.25	126.17	2.848	63.77	1.396	0.77	0.000	0.776	0.80	1.00	0.80
49.30	126.25	2.851	63.85	1.398	0.77	0.000	0.776	0.80	1.00	0.80
49.35	126.33	2.854	63.93	1.399	0.77	0.000	0.776	0.79	1.00	0.79
49.40	126.42	2.857	64.02	1.401	0.77	0.000	0.776	0.79	1.00	0.79
49.45	126.50	2.860	64.10	1.402	0.77	0.000	0.776	0.79	1.00	0.79
49.50	126.58	2.863	64.18	1.404	0.77	0.000	0.776	0.79	1.00	0.79
49.55	126.66	2.866	64.26	1.405	0.77	0.000	0.776	0.79	1.00	0.79
49.60	126.74	2.869	64.34	1.407	0.77	0.000	0.776	0.79	1.00	0.79
49.65	126.83	2.872	64.43	1.408	0.77	0.000	0.776	0.79	1.00	0.79
49.70	126.91	2.875	64.51	1.410	0.77	0.000	0.776	0.79	1.00	0.79
49.75	126.99	2.878	64.59	1.411	0.77	0.000	0.776	0.79	1.00	0.79
49.80	127.07	2.881	64.67	1.413	0.77	0.000	0.776	0.79	1.00	0.79
49.85	127.15	2.884	64.75	1.414	0.77	0.000	0.776	0.79	1.00	0.79
49.90	127.24	2.887	64.84	1.416	0.77	0.000	0.776	0.79	1.00	0.79
49.95	127.32	2.890	64.92	1.417	0.77	0.000	0.776	0.79	1.00	0.79
50.00	127.40	2.893	65.00	1.419	0.77	0.000	0.776	0.79	1.00	0.79
50.05	127.39	2.896	64.99	1.420	0.77	0.000	0.776	0.79	1.00	0.79
50.10	127.38	2.899	64.98	1.422	0.77	0.000	0.776	0.79	1.00	0.79
50.15	127.37	2.902	64.97	1.423	0.77	0.000	0.776	0.79	1.00	0.79
50.20	127.36	2.905	64.96	1.425	0.77	0.000	0.776	0.79	1.00	0.79
50.25	127.35	2.908	64.95	1.427	0.77	0.000	0.776	0.79	1.00	0.79
50.30	127.33	2.911	64.93	1.428	0.76	0.000	0.776	0.79	1.00	0.79
50.35	127.32	2.914	64.92	1.430	0.76	0.000	0.776	0.79	1.00	0.79
50.40	127.31	2.917	64.91	1.431	0.76	0.000	0.776	0.79	1.00	0.79
50.45	127.30	2.920	64.90	1.433	0.76	0.000	0.776	0.78	1.00	0.78
50.50	127.29	2.923	64.89	1.434	0.76	0.000	0.776	0.78	1.00	0.78
50.55	127.28	2.926	64.88	1.436	0.76	0.000	0.776	0.78	1.00	0.78
50.60	127.27	2.929	64.87	1.437	0.76	0.000	0.776	0.78	1.00	0.78
50.65	127.26	2.932	64.86	1.439	0.76	0.000	0.776	0.78	1.00	0.78
50.70	127.25	2.935	64.85	1.440	0.76	0.000	0.776	0.78	1.00	0.78
50.75	127.24	2.938	64.84	1.442	0.76	0.000	0.776	0.78	1.00	0.78
50.80	127.22	2.941	64.82	1.443	0.76	0.000	0.776	0.78	1.00	0.78
50.85	127.21	2.944	64.81	1.445	0.76	0.000	0.776	0.78	1.00	0.78
50.90	127.20	2.947	64.80	1.446	0.76	0.000	0.776	0.78	1.00	0.78
50.95	127.19	2.950	64.79	1.448	0.76	0.000	0.776	0.78	1.00	0.78
51.00	127.18	2.953	64.78	1.450	0.76	0.000	0.776	0.78	1.00	0.78
51.05	127.17	2.956	64.77	1.451	0.76	0.000	0.776	0.78	1.00	0.78
51.10	127.16	2.959	64.76	1.453	0.76	0.000	0.776	0.78	1.00	0.78
51.15	127.15	2.962	64.75	1.454	0.76	0.000	0.776	0.78	1.00	0.78
51.20	127.14	2.965	64.74	1.456	0.76	0.000	0.776	0.78	1.00	0.78
51.25	127.13	2.968	64.73	1.457	0.76	0.000	0.776	0.78	1.00	0.78
51.30	127.11	2.971	64.71	1.459	0.76	0.000	0.776	0.78	1.00	0.78
51.35	127.10	2.974	64.70	1.460	0.76	0.000	0.776	0.78	1.00	0.78
51.40	127.09	2.977	64.69	1.462	0.76	0.000	0.776	0.78	1.00	0.78
51.45	127.08	2.980	64.68	1.463	0.76	0.000	0.776	0.78	1.00	0.78
51.50	127.07	2.983	64.67	1.465	0.75	0.000	0.776	0.78	1.00	0.78
51.55	127.06	2.986	64.66	1.466	0.75	0.000	0.776	0.78	1.00	0.78
51.60	127.05	2.989	64.65	1.468	0.75	0.000	0.776	0.77	1.00	0.77
51.65	127.04	2.992	64.64	1.469	0.75	0.000	0.776	0.77	1.00	0.77
51.70	127.03	2.995	64.63	1.471	0.75	0.000	0.776	0.77	1.00	0.77
51.75	127.02	2.998	64.62	1.472	0.75	0.000	0.776	0.77	1.00	0.77
51.80	127.00	3.001	64.60	1.474	0.75	0.000	0.776	0.77	1.00	0.77
51.85	126.99	3.004	64.59	1.475	0.75	0.000	0.776	0.77	1.00	0.77
51.90	126.98	3.007	64.58	1.477	0.75	0.000	0.776	0.77	1.00	0.77
51.95	126.97	3.010	64.57	1.479	0.75	0.000	0.776	0.77	1.00	0.77
52.00	126.96	3.013	64.56	1.480	0.75	0.000	0.776	0.77	1.00	0.77
52.05	126.95	3.016	64.55	1.482	0.75	0.000	0.776	0.77	1.00	0.77
52.10	126.94	3.019	64.54	1.483	0.75	0.000	0.776	0.77	1.00	0.77
52.15	126.93	3.022	64.53	1.485	0.75	0.000	0.776	0.77	1.00	0.77
52.20	126.92	3.025	64.52	1.486	0.75	0.000	0.776	0.77	1.00	0.77
52.25	126.91	3.028	64.51	1.488	0.75	0.000	0.776	0.77	1.00	0.77
52.30	126.89	3.031	64.49	1.489	0.75	0.000	0.776	0.77	1.00	0.77
52.35	126.88	3.034	64.48	1.491	0.75	0.000	0.776	0.77	1.00	0.77
52.40	126.87	3.037	64.47	1.492	0.75	0.000	0.776	0.77	1.00	0.77
52.45	126.86	3.040	64.46	1.494	0.75	0.000	0.776	0.77	1.00	0.77
52.50	126.85	3.043	64.45	1.495	0.75	0.000	0.776	0.77	1.00	0.77
52.55	126.84	3.046	64.44	1.497	0.75	0.000	0.776	0.77	1.00	0.77
52.60	126.83	3.049	64.43	1.498	0.75	0.000	0.776	0.77	1.00	0.77

52.65	126.82	3.052	64.42	1.500	0.75	0.000	0.776	0.77	1.00	0.77
52.70	126.81	3.055	64.41	1.501	0.75	0.000	0.776	0.76	1.00	0.76
52.75	126.80	3.058	64.40	1.503	0.74	0.000	0.776	0.76	1.00	0.76
52.80	126.78	3.061	64.38	1.504	0.74	0.000	0.776	0.76	1.00	0.76
52.85	126.77	3.064	64.37	1.506	0.74	0.000	0.776	0.76	1.00	0.76
52.90	126.76	3.067	64.36	1.507	0.74	0.000	0.776	0.76	1.00	0.76
52.95	126.75	3.070	64.35	1.509	0.74	0.000	0.776	0.76	1.00	0.76
53.00	126.74	3.073	64.34	1.511	0.74	0.000	0.776	0.76	1.00	0.76
53.05	126.73	3.076	64.33	1.512	0.74	0.000	0.776	0.76	1.00	0.76
53.10	126.72	3.079	64.32	1.514	0.74	0.000	0.776	0.76	1.00	0.76
53.15	126.71	3.082	64.31	1.515	0.74	0.000	0.776	0.76	1.00	0.76
53.20	126.70	3.085	64.30	1.517	0.74	0.000	0.776	0.76	1.00	0.76
53.25	126.69	3.088	64.29	1.518	0.74	0.000	0.776	0.76	1.00	0.76
53.30	126.67	3.091	64.27	1.520	0.74	0.000	0.776	0.76	1.00	0.76
53.35	126.66	3.094	64.26	1.521	0.74	0.000	0.776	0.76	1.00	0.76
53.40	126.65	3.097	64.25	1.523	0.74	0.000	0.776	0.76	1.00	0.76
53.45	126.64	3.100	64.24	1.524	0.74	0.000	0.776	0.76	1.00	0.76
53.50	126.63	3.103	64.23	1.526	0.74	0.000	0.776	0.76	1.00	0.76
53.55	126.62	3.106	64.22	1.527	0.74	0.000	0.776	0.76	1.00	0.76
53.60	126.61	3.109	64.21	1.529	0.74	0.000	0.776	0.76	1.00	0.76
53.65	126.60	3.112	64.20	1.530	0.74	0.000	0.776	0.76	1.00	0.76
53.70	126.59	3.115	64.19	1.532	0.74	0.000	0.776	0.76	1.00	0.76
53.75	126.58	3.118	64.18	1.533	0.74	0.000	0.776	0.76	1.00	0.76
53.80	126.56	3.121	64.16	1.535	0.74	0.000	0.776	0.76	1.00	0.76
53.85	126.55	3.124	64.15	1.536	0.74	0.000	0.776	0.75	1.00	0.75
53.90	126.54	3.127	64.14	1.538	0.74	0.000	0.776	0.75	1.00	0.75
53.95	126.53	3.130	64.13	1.539	0.73	0.000	0.776	0.75	1.00	0.75
54.00	126.52	3.133	64.12	1.541	0.73	0.000	0.776	0.75	1.00	0.75
54.05	126.51	3.136	64.11	1.542	0.73	0.000	0.776	0.75	1.00	0.75
54.10	126.50	3.139	64.10	1.544	0.73	0.000	0.776	0.75	1.00	0.75
54.15	126.49	3.142	64.09	1.545	0.73	0.000	0.776	0.75	1.00	0.75
54.20	126.48	3.145	64.08	1.547	0.73	0.000	0.776	0.75	1.00	0.75
54.25	126.47	3.148	64.07	1.548	0.73	0.000	0.776	0.75	1.00	0.75
54.30	126.45	3.151	64.05	1.550	0.73	0.000	0.776	0.75	1.00	0.75
54.35	126.44	3.154	64.04	1.551	0.73	0.000	0.776	0.75	1.00	0.75
54.40	126.43	3.157	64.03	1.553	0.73	0.000	0.776	0.75	1.00	0.75
54.45	126.42	3.160	64.02	1.555	0.73	0.000	0.776	0.75	1.00	0.75
54.50	126.41	3.163	64.01	1.556	0.73	0.000	0.776	0.75	1.00	0.75
54.55	126.40	3.166	64.00	1.558	0.73	0.000	0.776	0.75	1.00	0.75
54.60	126.39	3.169	63.99	1.559	0.73	0.000	0.776	0.75	1.00	0.75
54.65	126.38	3.172	63.98	1.561	0.73	0.000	0.776	0.75	1.00	0.75
54.70	126.37	3.175	63.97	1.562	0.73	0.000	0.776	0.75	1.00	0.75
54.75	126.36	3.178	63.96	1.564	0.73	0.000	0.776	0.75	1.00	0.75
54.80	126.34	3.181	63.94	1.565	0.73	0.000	0.776	0.75	1.00	0.75
54.85	126.33	3.184	63.93	1.567	0.73	0.000	0.776	0.75	1.00	0.75
54.90	126.32	3.187	63.92	1.568	0.73	0.000	0.776	0.75	1.00	0.75
54.95	126.31	3.190	63.91	1.570	0.73	0.000	0.776	0.75	1.00	0.75
55.00	126.30	3.193	63.90	1.571	0.73	0.000	0.776	0.74	1.00	0.74
55.05	126.35	3.196	63.95	1.573	0.73	0.000	0.776	0.74	1.00	0.74
55.10	126.40	3.199	64.00	1.574	0.73	0.000	0.776	0.74	1.00	0.74
55.15	126.45	3.202	64.05	1.576	0.73	0.000	0.776	0.74	1.00	0.74
55.20	126.50	3.205	64.10	1.577	0.72	0.000	0.776	0.74	1.00	0.74
55.25	126.55	3.208	64.15	1.579	0.72	0.000	0.776	0.74	1.00	0.74
55.30	126.60	3.211	64.20	1.580	0.72	0.000	0.776	0.74	1.00	0.74
55.35	126.65	3.214	64.25	1.582	0.72	0.000	0.776	0.74	1.00	0.74
55.40	126.70	3.217	64.30	1.583	0.72	0.000	0.776	0.74	1.00	0.74
55.45	126.75	3.220	64.35	1.585	0.72	0.000	0.776	0.74	1.00	0.74
55.50	126.80	3.223	64.40	1.586	0.72	0.000	0.776	0.74	1.00	0.74
55.55	126.85	3.226	64.45	1.588	0.72	0.000	0.776	0.74	1.00	0.74
55.60	126.90	3.229	64.50	1.589	0.72	0.000	0.776	0.74	1.00	0.74
55.65	126.95	3.232	64.55	1.591	0.72	0.000	0.776	0.74	1.00	0.74
55.70	127.00	3.235	64.60	1.592	0.72	0.000	0.776	0.74	1.00	0.74
55.75	127.05	3.238	64.65	1.594	0.72	0.000	0.776	0.74	1.00	0.74
55.80	127.10	3.241	64.70	1.595	0.72	0.000	0.776	0.74	1.00	0.74
55.85	127.15	3.244	64.75	1.597	0.72	0.000	0.776	0.74	1.00	0.74
55.90	127.20	3.247	64.80	1.598	0.72	0.000	0.776	0.74	1.00	0.74
55.95	127.25	3.250	64.85	1.600	0.72	0.000	0.776	0.74	1.00	0.74
56.00	127.30	3.253	64.90	1.602	0.72	0.000	0.776	0.74	1.00	0.74
56.05	127.35	3.256	64.95	1.603	0.72	0.000	0.776	0.74	1.00	0.74
56.10	127.40	3.259	65.00	1.605	0.72	0.000	0.776	0.73	1.00	0.73
56.15	127.45	3.262	65.05	1.606	0.72	0.000	0.776	0.73	1.00	0.73
56.20	127.50	3.265	65.10	1.608	0.72	0.000	0.776	0.73	1.00	0.73
56.25	127.55	3.268	65.15	1.609	0.72	0.000	0.776	0.73	1.00	0.73

56.30	127.60	3.271	65.20	1.611	0.72	0.000	0.776	0.73	1.00	0.73
56.35	127.65	3.274	65.25	1.612	0.72	0.000	0.776	0.73	1.00	0.73
56.40	127.70	3.277	65.30	1.614	0.72	0.000	0.776	0.73	1.00	0.73
56.45	127.75	3.280	65.35	1.615	0.71	0.000	0.776	0.73	1.00	0.73
56.50	127.80	3.283	65.40	1.617	0.71	0.000	0.776	0.73	1.00	0.73
56.55	127.85	3.286	65.45	1.618	0.71	0.000	0.776	0.73	1.00	0.73
56.60	127.90	3.289	65.50	1.620	0.71	0.000	0.776	0.73	1.00	0.73
56.65	127.95	3.292	65.55	1.622	0.71	0.000	0.776	0.73	1.00	0.73
56.70	128.00	3.295	65.60	1.623	0.71	0.000	0.776	0.73	1.00	0.73
56.75	128.05	3.298	65.65	1.625	0.71	0.000	0.776	0.73	1.00	0.73
56.80	128.10	3.301	65.70	1.626	0.71	0.000	0.776	0.73	1.00	0.73
56.85	128.15	3.304	65.75	1.628	0.71	0.000	0.776	0.73	1.00	0.73
56.90	128.20	3.307	65.80	1.629	0.71	0.000	0.776	0.73	1.00	0.73
56.95	128.25	3.310	65.85	1.631	0.71	0.000	0.776	0.73	1.00	0.73
57.00	128.30	3.313	65.90	1.632	0.71	0.000	0.776	0.73	1.00	0.73
57.05	128.35	3.316	65.95	1.634	0.71	0.000	0.776	0.73	1.00	0.73
57.10	128.40	3.319	66.00	1.636	0.71	0.000	0.776	0.73	1.00	0.73
57.15	128.45	3.322	66.05	1.637	0.71	0.000	0.776	0.73	1.00	0.73
57.20	128.50	3.325	66.10	1.639	0.71	0.000	0.776	0.73	1.00	0.73
57.25	128.55	3.328	66.15	1.640	0.71	0.000	0.776	0.72	1.00	0.72
57.30	128.60	3.331	66.20	1.642	0.71	0.000	0.776	0.72	1.00	0.72
57.35	128.65	3.334	66.25	1.643	0.71	0.000	0.776	0.72	1.00	0.72
57.40	128.70	3.337	66.30	1.645	0.71	0.000	0.776	0.72	1.00	0.72
57.45	128.75	3.341	66.35	1.647	0.71	0.000	0.776	0.72	1.00	0.72
57.50	128.80	3.344	66.40	1.648	0.71	0.000	0.776	0.72	1.00	0.72
57.55	128.85	3.347	66.45	1.650	0.71	0.000	0.776	0.72	1.00	0.72
57.60	128.90	3.350	66.50	1.651	0.71	0.000	0.776	0.72	1.00	0.72
57.65	128.95	3.353	66.55	1.653	0.70	0.000	0.776	0.72	1.00	0.72
57.70	129.00	3.356	66.60	1.654	0.70	0.000	0.776	0.72	1.00	0.72
57.75	129.05	3.359	66.65	1.656	0.70	0.000	0.776	0.72	1.00	0.72
57.80	129.10	3.362	66.70	1.658	0.70	0.000	0.776	0.72	1.00	0.72
57.85	129.15	3.365	66.75	1.659	0.70	0.000	0.776	0.72	1.00	0.72
57.90	129.20	3.368	66.80	1.661	0.70	0.000	0.776	0.72	1.00	0.72
57.95	129.25	3.371	66.85	1.662	0.70	0.000	0.776	0.72	1.00	0.72
58.00	129.30	3.374	66.90	1.664	0.70	0.000	0.776	0.72	1.00	0.72
58.05	129.35	3.377	66.95	1.665	0.70	0.000	0.776	0.72	1.00	0.72
58.10	129.40	3.380	67.00	1.667	0.70	0.000	0.776	0.72	1.00	0.72
58.15	129.45	3.383	67.05	1.669	0.70	0.000	0.776	0.72	1.00	0.72
58.20	129.50	3.386	67.10	1.670	0.70	0.000	0.776	0.72	1.00	0.72
58.25	129.55	3.389	67.15	1.672	0.70	0.000	0.776	0.72	1.00	0.72
58.30	129.60	3.392	67.20	1.673	0.70	0.000	0.776	0.72	1.00	0.72
58.35	129.65	3.395	67.25	1.675	0.70	0.000	0.776	0.71	1.00	0.71
58.40	129.70	3.399	67.30	1.676	0.70	0.000	0.776	0.71	1.00	0.71
58.45	129.75	3.402	67.35	1.678	0.70	0.000	0.776	0.71	1.00	0.71
58.50	129.80	3.405	67.40	1.680	0.70	0.000	0.776	0.71	1.00	0.71
58.55	129.85	3.408	67.45	1.681	0.70	0.000	0.776	0.71	1.00	0.71
58.60	129.90	3.411	67.50	1.683	0.70	0.000	0.776	0.71	1.00	0.71
58.65	129.95	3.414	67.55	1.684	0.70	0.000	0.776	0.71	1.00	0.71
58.70	130.00	3.417	67.60	1.686	0.70	0.000	0.776	0.71	1.00	0.71
58.75	130.05	3.420	67.65	1.688	0.70	0.000	0.776	0.71	1.00	0.71
58.80	130.10	3.423	67.70	1.689	0.70	0.000	0.776	0.71	1.00	0.71
58.85	130.15	3.426	67.75	1.691	0.70	0.000	0.776	0.71	1.00	0.71
58.90	130.20	3.429	67.80	1.692	0.69	0.000	0.776	0.71	1.00	0.71
58.95	130.25	3.432	67.85	1.694	0.69	0.000	0.776	0.71	1.00	0.71
59.00	130.30	3.435	67.90	1.696	0.69	0.000	0.776	0.71	1.00	0.71
59.05	130.35	3.438	67.95	1.697	0.69	0.000	0.776	0.71	1.00	0.71
59.10	130.40	3.442	68.00	1.699	0.69	0.000	0.776	0.71	1.00	0.71
59.15	130.45	3.445	68.05	1.700	0.69	0.000	0.776	0.71	1.00	0.71
59.20	130.50	3.448	68.10	1.702	0.69	0.000	0.776	0.71	1.00	0.71
59.25	130.55	3.451	68.15	1.704	0.69	0.000	0.776	0.71	1.00	0.71
59.30	130.60	3.454	68.20	1.705	0.69	0.000	0.776	0.71	1.00	0.71
59.35	130.65	3.457	68.25	1.707	0.69	0.000	0.776	0.71	1.00	0.71
59.40	130.70	3.460	68.30	1.709	0.69	0.000	0.776	0.71	1.00	0.71
59.45	130.75	3.463	68.35	1.710	0.69	0.000	0.776	0.71	1.00	0.71
59.50	130.80	3.466	68.40	1.712	0.69	0.000	0.776	0.70	1.00	0.70
59.55	130.85	3.469	68.45	1.713	0.69	0.000	0.776	0.70	1.00	0.70
59.60	130.90	3.472	68.50	1.715	0.69	0.000	0.776	0.70	1.00	0.70
59.65	130.95	3.475	68.55	1.717	0.69	0.000	0.776	0.70	1.00	0.70
59.70	131.00	3.479	68.60	1.718	0.69	0.000	0.776	0.70	1.00	0.70
59.75	131.05	3.482	68.65	1.720	0.69	0.000	0.776	0.70	1.00	0.70
59.80	131.10	3.485	68.70	1.721	0.69	0.000	0.776	0.70	1.00	0.70
59.85	131.15	3.488	68.75	1.723	0.69	0.000	0.776	0.70	1.00	0.70
59.90	131.20	3.491	68.80	1.725	0.69	0.000	0.776	0.70	1.00	0.70

59.95	131.25	3.494	68.85	1.726	0.69	0.000	0.776	0.70	1.00	0.70
60.00	131.30	3.497	68.90	1.728	0.69	0.000	0.776	0.70	1.00	0.70
60.05	131.14	3.500	68.74	1.730	0.69	0.000	0.776	0.70	1.00	0.70
60.10	130.98	3.503	68.58	1.731	0.68	0.000	0.776	0.70	1.00	0.70
60.15	130.83	3.506	68.43	1.733	0.68	0.000	0.776	0.70	1.00	0.70
60.20	130.67	3.510	68.27	1.734	0.68	0.000	0.776	0.70	1.00	0.70
60.25	130.51	3.513	68.11	1.736	0.68	0.000	0.776	0.70	1.00	0.70
60.30	130.35	3.516	67.95	1.738	0.68	0.000	0.776	0.70	1.00	0.70
60.35	130.19	3.519	67.79	1.739	0.68	0.000	0.776	0.70	1.00	0.70
60.40	130.03	3.522	67.63	1.741	0.68	0.000	0.776	0.70	1.00	0.70
60.45	129.87	3.525	67.47	1.742	0.68	0.000	0.776	0.70	1.00	0.70
60.50	129.71	3.528	67.31	1.744	0.68	0.000	0.776	0.70	1.00	0.70
60.55	129.55	3.531	67.15	1.746	0.68	0.000	0.776	0.70	1.00	0.70
60.60	129.39	3.534	66.99	1.747	0.68	0.000	0.776	0.69	1.00	0.69
60.65	129.24	3.537	66.84	1.749	0.68	0.000	0.776	0.69	1.00	0.69
60.70	129.08	3.540	66.68	1.750	0.68	0.000	0.776	0.69	1.00	0.69
60.75	128.92	3.543	66.52	1.752	0.68	0.000	0.776	0.69	1.00	0.69
60.80	128.76	3.546	66.36	1.754	0.68	0.000	0.776	0.69	1.00	0.69
60.85	128.60	3.549	66.20	1.755	0.68	0.000	0.776	0.69	1.00	0.69
60.90	128.44	3.552	66.04	1.757	0.68	0.000	0.776	0.69	1.00	0.69
60.95	128.28	3.555	65.88	1.758	0.68	0.000	0.776	0.69	1.00	0.69
61.00	128.12	3.559	65.72	1.760	0.68	0.000	0.776	0.69	1.00	0.69
61.05	127.96	3.562	65.56	1.761	0.68	0.000	0.776	0.69	1.00	0.69
61.10	127.80	3.565	65.40	1.763	0.68	0.000	0.776	0.69	1.00	0.69
61.15	127.65	3.568	65.25	1.764	0.68	0.000	0.776	0.69	1.00	0.69
61.20	127.49	3.571	65.09	1.766	0.68	0.000	0.776	0.69	1.00	0.69
61.25	127.33	3.574	64.93	1.768	0.68	0.000	0.776	0.69	1.00	0.69
61.30	127.17	3.577	64.77	1.769	0.68	0.000	0.776	0.69	1.00	0.69
61.35	127.01	3.580	64.61	1.771	0.67	0.000	0.776	0.69	1.00	0.69
61.40	126.85	3.583	64.45	1.772	0.67	0.000	0.776	0.69	1.00	0.69
61.45	126.69	3.586	64.29	1.774	0.67	0.000	0.776	0.69	1.00	0.69
61.50	126.53	3.589	64.13	1.775	0.67	0.000	0.776	0.69	1.00	0.69
61.55	126.37	3.592	63.97	1.777	0.67	0.000	0.776	0.69	1.00	0.69
61.60	126.21	3.595	63.81	1.778	0.67	0.000	0.776	0.69	1.00	0.69
61.65	126.06	3.598	63.66	1.780	0.67	0.000	0.776	0.69	1.00	0.69
61.70	125.90	3.601	63.50	1.781	0.67	0.000	0.776	0.69	1.00	0.69
61.75	125.74	3.604	63.34	1.783	0.67	0.000	0.776	0.68	1.00	0.68
61.80	125.58	3.606	63.18	1.784	0.67	0.000	0.776	0.68	1.00	0.68
61.85	125.42	3.609	63.02	1.786	0.67	0.000	0.776	0.68	1.00	0.68
61.90	125.26	3.612	62.86	1.787	0.67	0.000	0.776	0.68	1.00	0.68
61.95	125.10	3.615	62.70	1.789	0.67	0.000	0.776	0.68	1.00	0.68
62.00	124.94	3.618	62.54	1.790	0.67	0.000	0.776	0.68	1.00	0.68
62.05	124.78	3.621	62.38	1.792	0.67	0.000	0.776	0.68	1.00	0.68
62.10	124.62	3.624	62.22	1.793	0.67	0.000	0.776	0.68	1.00	0.68
62.15	124.47	3.627	62.07	1.795	0.67	0.000	0.776	0.68	1.00	0.68
62.20	124.31	3.630	61.91	1.796	0.67	0.000	0.776	0.68	1.00	0.68
62.25	124.15	3.633	61.75	1.797	0.67	0.000	0.776	0.68	1.00	0.68
62.30	123.99	3.636	61.59	1.799	0.67	0.000	0.776	0.68	1.00	0.68
62.35	123.83	3.639	61.43	1.800	0.67	0.000	0.776	0.68	1.00	0.68
62.40	123.67	3.642	61.27	1.802	0.67	0.000	0.776	0.68	1.00	0.68
62.45	123.51	3.645	61.11	1.803	0.67	0.000	0.776	0.68	1.00	0.68
62.50	123.35	3.648	60.95	1.805	0.67	0.000	0.776	0.68	1.00	0.68
62.55	123.19	3.651	60.79	1.806	0.66	0.000	0.776	0.68	1.00	0.68
62.60	123.03	3.654	60.63	1.808	0.66	0.000	0.776	0.68	1.00	0.68
62.65	122.88	3.656	60.48	1.809	0.66	0.000	0.776	0.68	1.00	0.68
62.70	122.72	3.659	60.32	1.810	0.66	0.000	0.776	0.68	1.00	0.68
62.75	122.56	3.662	60.16	1.812	0.66	0.000	0.776	0.68	1.00	0.68
62.80	122.40	3.665	60.00	1.813	0.66	0.000	0.776	0.68	1.00	0.68
62.85	122.24	3.668	59.84	1.815	0.66	0.000	0.776	0.68	1.00	0.68
62.90	122.08	3.671	59.68	1.816	0.66	0.000	0.776	0.68	1.00	0.68
62.95	121.92	3.674	59.52	1.818	0.66	0.000	0.776	0.67	1.00	0.67
63.00	121.76	3.677	59.36	1.819	0.66	0.000	0.776	0.67	1.00	0.67
63.05	121.60	3.680	59.20	1.820	0.66	0.000	0.776	0.67	1.00	0.67
63.10	121.44	3.682	59.04	1.822	0.66	0.000	0.776	0.67	1.00	0.67
63.15	121.29	3.685	58.89	1.823	0.66	0.000	0.776	0.67	1.00	0.67
63.20	121.13	3.688	58.73	1.825	0.66	0.000	0.776	0.67	1.00	0.67
63.25	120.97	3.691	58.57	1.826	0.66	0.000	0.776	0.67	1.00	0.67
63.30	120.81	3.694	58.41	1.827	0.66	0.000	0.776	0.67	1.00	0.67
63.35	120.65	3.697	58.25	1.829	0.66	0.000	0.776	0.67	1.00	0.67
63.40	120.49	3.700	58.09	1.830	0.66	0.000	0.776	0.67	1.00	0.67
63.45	120.33	3.702	57.93	1.831	0.66	0.000	0.776	0.67	1.00	0.67
63.50	120.17	3.705	57.77	1.833	0.66	0.000	0.776	0.67	1.00	0.67
63.55	120.01	3.708	57.61	1.834	0.66	0.000	0.776	0.67	1.00	0.67

63.60	119.85	3.711	57.45	1.836	0.66	0.000	0.776	0.67	1.00	0.67
63.65	119.70	3.714	57.30	1.837	0.66	0.000	0.776	0.67	1.00	0.67
63.70	119.54	3.717	57.14	1.838	0.66	0.000	0.776	0.67	1.00	0.67
63.75	119.38	3.719	56.98	1.840	0.66	0.000	0.776	0.67	1.00	0.67
63.80	119.22	3.722	56.82	1.841	0.65	0.000	0.776	0.67	1.00	0.67
63.85	119.06	3.725	56.66	1.842	0.65	0.000	0.776	0.67	1.00	0.67
63.90	118.90	3.728	56.50	1.844	0.65	0.000	0.776	0.67	1.00	0.67
63.95	118.74	3.731	56.34	1.845	0.65	0.000	0.776	0.67	1.00	0.67
64.00	118.58	3.733	56.18	1.846	0.65	0.000	0.776	0.67	1.00	0.67
64.05	118.42	3.736	56.02	1.848	0.65	0.000	0.776	0.67	1.00	0.67
64.10	118.26	3.739	55.86	1.849	0.65	0.000	0.776	0.67	1.00	0.67
64.15	118.11	3.742	55.71	1.850	0.65	0.000	0.776	0.67	1.00	0.67
64.20	117.95	3.745	55.55	1.852	0.65	0.000	0.776	0.66	1.00	0.66
64.25	117.79	3.747	55.39	1.853	0.65	0.000	0.776	0.66	1.00	0.66
64.30	117.63	3.750	55.23	1.854	0.65	0.000	0.776	0.66	1.00	0.66
64.35	117.47	3.753	55.07	1.856	0.65	0.000	0.776	0.66	1.00	0.66
64.40	117.31	3.756	54.91	1.857	0.65	0.000	0.776	0.66	1.00	0.66
64.45	117.15	3.759	54.75	1.858	0.65	0.000	0.776	0.66	1.00	0.66
64.50	116.99	3.761	54.59	1.859	0.65	0.000	0.776	0.66	1.00	0.66
64.55	116.83	3.764	54.43	1.861	0.65	0.000	0.776	0.66	1.00	0.66
64.60	116.67	3.767	54.27	1.862	0.65	0.000	0.776	0.66	1.00	0.66
64.65	116.52	3.770	54.12	1.863	0.65	0.000	0.776	0.66	1.00	0.66
64.70	116.36	3.772	53.96	1.865	0.65	0.000	0.776	0.66	1.00	0.66
64.75	116.20	3.775	53.80	1.866	0.65	0.000	0.776	0.66	1.00	0.66
64.80	116.04	3.778	53.64	1.867	0.65	0.000	0.776	0.66	1.00	0.66
64.85	115.88	3.781	53.48	1.868	0.65	0.000	0.776	0.66	1.00	0.66
64.90	115.72	3.783	53.32	1.870	0.65	0.000	0.776	0.66	1.00	0.66
64.95	115.56	3.786	53.16	1.871	0.65	0.000	0.776	0.66	1.00	0.66
65.00	115.40	3.789	53.00	1.872	0.65	0.000	0.776	0.66	1.00	0.66
65.05	115.38	3.792	52.98	1.873	0.64	0.000	0.776	0.66	1.00	0.66
65.10	115.36	3.794	52.96	1.875	0.64	0.000	0.776	0.66	1.00	0.66
65.15	115.34	3.797	52.94	1.876	0.64	0.000	0.776	0.66	1.00	0.66
65.20	115.32	3.800	52.92	1.877	0.64	0.000	0.776	0.66	1.00	0.66
65.25	115.30	3.802	52.90	1.878	0.64	0.000	0.776	0.66	1.00	0.66
65.30	115.28	3.805	52.88	1.880	0.64	0.000	0.776	0.66	1.00	0.66
65.35	115.26	3.808	52.86	1.881	0.64	0.000	0.776	0.66	1.00	0.66
65.40	115.24	3.811	52.84	1.882	0.64	0.000	0.776	0.66	1.00	0.66
65.45	115.22	3.813	52.82	1.883	0.64	0.000	0.776	0.66	1.00	0.66
65.50	115.20	3.816	52.80	1.885	0.64	0.000	0.776	0.65	1.00	0.65
65.55	115.18	3.819	52.78	1.886	0.64	0.000	0.776	0.65	1.00	0.65
65.60	115.16	3.821	52.76	1.887	0.64	0.000	0.776	0.65	1.00	0.65
65.65	115.14	3.824	52.74	1.888	0.64	0.000	0.776	0.65	1.00	0.65
65.70	115.12	3.827	52.72	1.890	0.64	0.000	0.776	0.65	1.00	0.65
65.75	115.10	3.830	52.70	1.891	0.64	0.000	0.776	0.65	1.00	0.65
65.80	115.08	3.832	52.68	1.892	0.64	0.000	0.776	0.65	1.00	0.65
65.85	115.06	3.835	52.66	1.893	0.64	0.000	0.776	0.65	1.00	0.65
65.90	115.04	3.838	52.64	1.895	0.64	0.000	0.776	0.65	1.00	0.65
65.95	115.02	3.841	52.62	1.896	0.64	0.000	0.776	0.65	1.00	0.65
66.00	115.00	3.843	52.60	1.897	0.64	0.000	0.776	0.65	1.00	0.65
66.05	114.98	3.846	52.58	1.898	0.64	0.000	0.776	0.65	1.00	0.65
66.10	114.96	3.849	52.56	1.900	0.64	0.000	0.776	0.65	1.00	0.65
66.15	114.94	3.851	52.54	1.901	0.64	0.000	0.776	0.65	1.00	0.65
66.20	114.92	3.854	52.52	1.902	0.64	0.000	0.776	0.65	1.00	0.65
66.25	114.90	3.857	52.50	1.903	0.63	0.000	0.776	0.65	1.00	0.65
66.30	114.88	3.860	52.48	1.905	0.63	0.000	0.776	0.65	1.00	0.65
66.35	114.86	3.862	52.46	1.906	0.63	0.000	0.776	0.65	1.00	0.65
66.40	114.84	3.865	52.44	1.907	0.63	0.000	0.776	0.65	1.00	0.65
66.45	114.82	3.868	52.42	1.908	0.63	0.000	0.776	0.65	1.00	0.65
66.50	114.80	3.870	52.40	1.910	0.63	0.000	0.776	0.65	1.00	0.65
66.55	114.78	3.873	52.38	1.911	0.63	0.000	0.776	0.65	1.00	0.65
66.60	114.76	3.876	52.36	1.912	0.63	0.000	0.776	0.65	1.00	0.65
66.65	114.74	3.879	52.34	1.913	0.63	0.000	0.776	0.65	1.00	0.65
66.70	114.72	3.881	52.32	1.914	0.63	0.000	0.776	0.65	1.00	0.65
66.75	114.70	3.884	52.30	1.916	0.63	0.000	0.776	0.65	1.00	0.65
66.80	114.68	3.887	52.28	1.917	0.63	0.000	0.776	0.64	1.00	0.64
66.85	114.66	3.889	52.26	1.918	0.63	0.000	0.776	0.64	1.00	0.64
66.90	114.64	3.892	52.24	1.919	0.63	0.000	0.776	0.64	1.00	0.64
66.95	114.62	3.895	52.22	1.921	0.63	0.000	0.776	0.64	1.00	0.64
67.00	114.60	3.898	52.20	1.922	0.63	0.000	0.776	0.64	1.00	0.64
67.05	114.58	3.900	52.18	1.923	0.63	0.000	0.776	0.64	1.00	0.64
67.10	114.56	3.903	52.16	1.924	0.63	0.000	0.776	0.64	1.00	0.64
67.15	114.54	3.906	52.14	1.926	0.63	0.000	0.776	0.64	1.00	0.64
67.20	114.52	3.908	52.12	1.927	0.63	0.000	0.776	0.64	1.00	0.64

67.25	114.50	3.911	52.10	1.928	0.63	0.000	0.776	0.64	1.00	0.64
67.30	114.48	3.914	52.08	1.929	0.63	0.000	0.776	0.64	1.00	0.64
67.35	114.46	3.916	52.06	1.931	0.63	0.000	0.776	0.64	1.00	0.64
67.40	114.44	3.919	52.04	1.932	0.63	0.000	0.776	0.64	1.00	0.64
67.45	114.42	3.922	52.02	1.933	0.63	0.000	0.776	0.64	1.00	0.64
67.50	114.40	3.925	52.00	1.934	0.62	0.000	0.776	0.64	1.00	0.64
67.55	114.38	3.927	51.98	1.935	0.62	0.000	0.776	0.64	1.00	0.64
67.60	114.36	3.930	51.96	1.937	0.62	0.000	0.776	0.64	1.00	0.64
67.65	114.34	3.933	51.94	1.938	0.62	0.000	0.776	0.64	1.00	0.64
67.70	114.32	3.935	51.92	1.939	0.62	0.000	0.776	0.64	1.00	0.64
67.75	114.30	3.938	51.90	1.940	0.62	0.000	0.776	0.64	1.00	0.64
67.80	114.28	3.941	51.88	1.942	0.62	0.000	0.776	0.64	1.00	0.64
67.85	114.26	3.943	51.86	1.943	0.62	0.000	0.776	0.64	1.00	0.64
67.90	114.24	3.946	51.84	1.944	0.62	0.000	0.776	0.64	1.00	0.64
67.95	114.22	3.949	51.82	1.945	0.62	0.000	0.776	0.64	1.00	0.64
68.00	114.20	3.952	51.80	1.946	0.62	0.000	0.776	0.64	1.00	0.64
68.05	114.18	3.954	51.78	1.948	0.62	0.000	0.776	0.64	1.00	0.64
68.10	114.16	3.957	51.76	1.949	0.62	0.000	0.776	0.63	1.00	0.63
68.15	114.14	3.960	51.74	1.950	0.62	0.000	0.776	0.63	1.00	0.63
68.20	114.12	3.962	51.72	1.951	0.62	0.000	0.776	0.63	1.00	0.63
68.25	114.10	3.965	51.70	1.953	0.62	0.000	0.776	0.63	1.00	0.63
68.30	114.08	3.968	51.68	1.954	0.62	0.000	0.776	0.63	1.00	0.63
68.35	114.06	3.970	51.66	1.955	0.62	0.000	0.776	0.63	1.00	0.63
68.40	114.04	3.973	51.64	1.956	0.62	0.000	0.776	0.63	1.00	0.63
68.45	114.02	3.976	51.62	1.957	0.62	0.000	0.776	0.63	1.00	0.63
68.50	114.00	3.979	51.60	1.959	0.62	0.000	0.776	0.63	1.00	0.63
68.55	113.98	3.981	51.58	1.960	0.62	0.000	0.776	0.63	1.00	0.63
68.60	113.96	3.984	51.56	1.961	0.62	0.000	0.776	0.63	1.00	0.63
68.65	113.94	3.987	51.54	1.962	0.62	0.000	0.776	0.63	1.00	0.63
68.70	113.92	3.989	51.52	1.964	0.61	0.000	0.776	0.63	1.00	0.63
68.75	113.90	3.992	51.50	1.965	0.61	0.000	0.776	0.63	1.00	0.63
68.80	113.88	3.995	51.48	1.966	0.61	0.000	0.776	0.63	1.00	0.63
68.85	113.86	3.997	51.46	1.967	0.61	0.000	0.776	0.63	1.00	0.63
68.90	113.84	4.000	51.44	1.968	0.61	0.000	0.776	0.63	1.00	0.63
68.95	113.82	4.003	51.42	1.970	0.61	0.000	0.776	0.63	1.00	0.63
69.00	113.80	4.005	51.40	1.971	0.61	0.000	0.776	0.63	1.00	0.63
69.05	113.78	4.008	51.38	1.972	0.61	0.000	0.776	0.63	1.00	0.63
69.10	113.76	4.011	51.36	1.973	0.61	0.000	0.776	0.63	1.00	0.63
69.15	113.74	4.014	51.34	1.974	0.61	0.000	0.776	0.63	1.00	0.63
69.20	113.72	4.016	51.32	1.976	0.61	0.000	0.776	0.63	1.00	0.63
69.25	113.70	4.019	51.30	1.977	0.61	0.000	0.776	0.63	1.00	0.63
69.30	113.68	4.022	51.28	1.978	0.61	0.000	0.776	0.63	1.00	0.63
69.35	113.66	4.024	51.26	1.979	0.61	0.000	0.776	0.63	1.00	0.63
69.40	113.64	4.027	51.24	1.981	0.61	0.000	0.776	0.62	1.00	0.62
69.45	113.62	4.030	51.22	1.982	0.61	0.000	0.776	0.62	1.00	0.62
69.50	113.60	4.032	51.20	1.983	0.61	0.000	0.776	0.62	1.00	0.62
69.55	113.58	4.035	51.18	1.984	0.61	0.000	0.776	0.62	1.00	0.62
69.60	113.56	4.038	51.16	1.985	0.61	0.000	0.776	0.62	1.00	0.62
69.65	113.54	4.040	51.14	1.987	0.61	0.000	0.776	0.62	1.00	0.62
69.70	113.52	4.043	51.12	1.988	0.61	0.000	0.776	0.62	1.00	0.62
69.75	113.50	4.046	51.10	1.989	0.61	0.000	0.776	0.62	1.00	0.62
69.80	113.48	4.048	51.08	1.990	0.61	0.000	0.776	0.62	1.00	0.62
69.85	113.46	4.051	51.06	1.991	0.61	0.000	0.776	0.62	1.00	0.62
69.90	113.44	4.054	51.04	1.993	0.61	0.000	0.776	0.62	1.00	0.62
69.95	113.42	4.056	51.02	1.994	0.60	0.000	0.776	0.62	1.00	0.62
70.00	113.40	4.059	51.00	1.995	0.60	0.000	0.776	0.62	1.00	0.62
70.05	113.37	4.062	50.97	1.996	0.60	0.000	0.776	0.62	1.00	0.62
70.10	113.33	4.064	50.93	1.997	0.60	0.000	0.776	0.62	1.00	0.62
70.15	113.30	4.067	50.90	1.999	0.60	0.000	0.776	0.62	1.00	0.62
70.20	113.26	4.070	50.86	2.000	0.60	0.000	0.776	0.62	1.00	0.62
70.25	113.23	4.073	50.83	2.001	0.60	0.000	0.776	0.62	1.00	0.62
70.30	113.19	4.075	50.79	2.002	0.60	0.000	0.776	0.62	1.00	0.62
70.35	113.16	4.078	50.76	2.003	0.60	0.000	0.776	0.62	1.00	0.62
70.40	113.12	4.081	50.72	2.005	0.60	0.000	0.776	0.62	1.00	0.62
70.45	113.09	4.083	50.69	2.006	0.60	0.000	0.776	0.62	1.00	0.62
70.50	113.05	4.086	50.65	2.007	0.60	0.000	0.776	0.62	1.00	0.62
70.55	113.02	4.089	50.62	2.008	0.60	0.000	0.776	0.62	1.00	0.62
70.60	112.98	4.091	50.58	2.009	0.60	0.000	0.776	0.62	1.00	0.62
70.65	112.95	4.094	50.55	2.011	0.60	0.000	0.776	0.62	1.00	0.62
70.70	112.91	4.097	50.51	2.012	0.60	0.000	0.776	0.61	1.00	0.61
70.75	112.88	4.099	50.48	2.013	0.60	0.000	0.776	0.61	1.00	0.61
70.80	112.84	4.102	50.44	2.014	0.60	0.000	0.776	0.61	1.00	0.61
70.85	112.81	4.105	50.41	2.015	0.60	0.000	0.776	0.61	1.00	0.61

70.90	112.77	4.107	50.37	2.017	0.60	0.000	0.776	0.61	1.00	0.61
70.95	112.74	4.110	50.34	2.018	0.60	0.000	0.776	0.61	1.00	0.61
71.00	112.70	4.113	50.30	2.019	0.60	0.000	0.776	0.61	1.00	0.61
71.05	112.67	4.115	50.27	2.020	0.60	0.000	0.776	0.61	1.00	0.61
71.10	112.63	4.118	50.23	2.021	0.60	0.000	0.776	0.61	1.00	0.61
71.15	112.60	4.121	50.20	2.023	0.60	0.000	0.776	0.61	1.00	0.61
71.20	112.56	4.123	50.16	2.024	0.59	0.000	0.776	0.61	1.00	0.61
71.25	112.53	4.126	50.13	2.025	0.59	0.000	0.776	0.61	1.00	0.61
71.30	112.49	4.129	50.09	2.026	0.59	0.000	0.776	0.61	1.00	0.61
71.35	112.46	4.131	50.06	2.027	0.59	0.000	0.776	0.61	1.00	0.61
71.40	112.42	4.134	50.02	2.028	0.59	0.000	0.776	0.61	1.00	0.61
71.45	112.39	4.136	49.99	2.030	0.59	0.000	0.776	0.61	1.00	0.61
71.50	112.35	4.139	49.95	2.031	0.59	0.000	0.776	0.61	1.00	0.61
71.55	112.32	4.142	49.92	2.032	0.59	0.000	0.776	0.61	1.00	0.61
71.60	112.28	4.144	49.88	2.033	0.59	0.000	0.776	0.61	1.00	0.61
71.65	112.25	4.147	49.85	2.034	0.59	0.000	0.776	0.61	1.00	0.61
71.70	112.21	4.150	49.81	2.036	0.59	0.000	0.776	0.61	1.00	0.61
71.75	112.18	4.152	49.78	2.037	0.59	0.000	0.776	0.61	1.00	0.61
71.80	112.14	4.155	49.74	2.038	0.59	0.000	0.776	0.61	1.00	0.61
71.85	112.11	4.158	49.71	2.039	0.59	0.000	0.776	0.61	1.00	0.61
71.90	112.07	4.160	49.67	2.040	0.59	0.000	0.776	0.61	1.00	0.61
71.95	112.04	4.163	49.64	2.041	0.59	0.000	0.776	0.61	1.00	0.61
72.00	112.00	4.166	49.60	2.043	0.59	0.000	0.776	0.60	1.00	0.60
72.05	111.97	4.168	49.57	2.044	0.59	0.000	0.776	0.60	1.00	0.60
72.10	111.93	4.171	49.53	2.045	0.59	0.000	0.776	0.60	1.00	0.60
72.15	111.90	4.174	49.50	2.046	0.59	0.000	0.776	0.60	1.00	0.60
72.20	111.86	4.176	49.46	2.047	0.59	0.000	0.776	0.60	1.00	0.60
72.25	111.83	4.179	49.43	2.048	0.59	0.000	0.776	0.60	1.00	0.60
72.30	111.79	4.182	49.39	2.050	0.59	0.000	0.776	0.60	1.00	0.60
72.35	111.76	4.184	49.36	2.051	0.59	0.000	0.776	0.60	1.00	0.60
72.40	111.72	4.187	49.32	2.052	0.58	0.000	0.776	0.60	1.00	0.60
72.45	111.69	4.189	49.29	2.053	0.58	0.000	0.776	0.60	1.00	0.60
72.50	111.65	4.192	49.25	2.054	0.58	0.000	0.776	0.60	1.00	0.60
72.55	111.62	4.195	49.22	2.055	0.58	0.000	0.776	0.60	1.00	0.60
72.60	111.58	4.197	49.18	2.057	0.58	0.000	0.776	0.60	1.00	0.60
72.65	111.55	4.200	49.15	2.058	0.58	0.000	0.776	0.60	1.00	0.60
72.70	111.51	4.203	49.11	2.059	0.58	0.000	0.776	0.60	1.00	0.60
72.75	111.48	4.205	49.08	2.060	0.58	0.000	0.776	0.60	1.00	0.60
72.80	111.44	4.208	49.04	2.061	0.58	0.000	0.776	0.60	1.00	0.60
72.85	111.41	4.211	49.01	2.062	0.58	0.000	0.776	0.60	1.00	0.60
72.90	111.37	4.213	48.97	2.064	0.58	0.000	0.776	0.60	1.00	0.60
72.95	111.34	4.216	48.94	2.065	0.58	0.000	0.776	0.60	1.00	0.60
73.00	111.30	4.218	48.90	2.066	0.58	0.000	0.776	0.60	1.00	0.60
73.05	111.27	4.221	48.87	2.067	0.58	0.000	0.776	0.60	1.00	0.60
73.10	111.23	4.224	48.83	2.068	0.58	0.000	0.776	0.60	1.00	0.60
73.15	111.20	4.226	48.80	2.069	0.58	0.000	0.776	0.60	1.00	0.60
73.20	111.16	4.229	48.76	2.070	0.58	0.000	0.776	0.60	1.00	0.60
73.25	111.13	4.232	48.73	2.072	0.58	0.000	0.776	0.60	1.00	0.60
73.30	111.09	4.234	48.69	2.073	0.58	0.000	0.776	0.60	1.00	0.60
73.35	111.06	4.237	48.66	2.074	0.58	0.000	0.776	0.59	1.00	0.59
73.40	111.02	4.239	48.62	2.075	0.58	0.000	0.776	0.59	1.00	0.59
73.45	110.99	4.242	48.59	2.076	0.58	0.000	0.776	0.59	1.00	0.59
73.50	110.95	4.245	48.55	2.077	0.58	0.000	0.776	0.59	1.00	0.59
73.55	110.92	4.247	48.52	2.079	0.58	0.000	0.776	0.59	1.00	0.59
73.60	110.88	4.250	48.48	2.080	0.58	0.000	0.776	0.59	1.00	0.59
73.65	110.85	4.253	48.45	2.081	0.57	0.000	0.776	0.59	1.00	0.59
73.70	110.81	4.255	48.41	2.082	0.57	0.000	0.776	0.59	1.00	0.59
73.75	110.78	4.258	48.38	2.083	0.57	0.000	0.776	0.59	1.00	0.59
73.80	110.74	4.260	48.34	2.084	0.57	0.000	0.776	0.59	1.00	0.59
73.85	110.71	4.263	48.31	2.085	0.57	0.000	0.776	0.59	1.00	0.59
73.90	110.67	4.266	48.27	2.087	0.57	0.000	0.776	0.59	1.00	0.59
73.95	110.64	4.268	48.24	2.088	0.57	0.000	0.776	0.59	1.00	0.59
74.00	110.60	4.271	48.20	2.089	0.57	0.000	0.776	0.59	1.00	0.59
74.05	110.57	4.273	48.17	2.090	0.57	0.000	0.776	0.59	1.00	0.59
74.10	110.53	4.276	48.13	2.091	0.57	0.000	0.776	0.59	1.00	0.59
74.15	110.50	4.279	48.10	2.092	0.57	0.000	0.776	0.59	1.00	0.59
74.20	110.46	4.281	48.06	2.093	0.57	0.000	0.776	0.59	1.00	0.59
74.25	110.43	4.284	48.03	2.095	0.57	0.000	0.776	0.59	1.00	0.59
74.30	110.39	4.287	47.99	2.096	0.57	0.000	0.776	0.59	1.00	0.59
74.35	110.36	4.289	47.96	2.097	0.57	0.000	0.776	0.59	1.00	0.59
74.40	110.32	4.292	47.92	2.098	0.57	0.000	0.776	0.59	1.00	0.59
74.45	110.29	4.294	47.89	2.099	0.57	0.000	0.776	0.59	1.00	0.59
74.50	110.25	4.297	47.85	2.100	0.57	0.000	0.776	0.59	1.00	0.59

74.55	110.22	4.300	47.82	2.101	0.57	0.000	0.776	0.59	1.00	0.59
74.60	110.18	4.302	47.78	2.102	0.57	0.000	0.776	0.59	1.00	0.59
74.65	110.15	4.305	47.75	2.104	0.57	0.000	0.776	0.58	1.00	0.58
74.70	110.11	4.307	47.71	2.105	0.57	0.000	0.776	0.58	1.00	0.58
74.75	110.08	4.310	47.68	2.106	0.57	0.000	0.776	0.58	1.00	0.58
74.80	110.04	4.313	47.64	2.107	0.57	0.000	0.776	0.58	1.00	0.58
74.85	110.01	4.315	47.61	2.108	0.56	0.000	0.776	0.58	1.00	0.58
74.90	109.97	4.318	47.57	2.109	0.56	0.000	0.776	0.58	1.00	0.58
74.95	109.94	4.320	47.54	2.110	0.56	0.000	0.776	0.58	1.00	0.58
75.00	109.90	4.323	47.50	2.111	0.56	0.000	0.776	0.58	1.00	0.58

CSR is based on water table at 0.00 during earthquake

CRR Calculation from SPT or BPT data:

Depth ft	SPT	Cebs	Cr	sigma' atm	Cn	(N1)60	Fines %	d(N1)60	(N1)60f	CRR7.5
5.00	19.00	1.96	0.75	0.282	1.70	47.47	0.00	0.00	47.47	0.50
5.05	19.00	1.96	0.75	0.285	1.70	47.47	0.00	0.00	47.47	0.50
5.10	19.00	1.96	0.75	0.288	1.70	47.47	0.00	0.00	47.47	0.50
5.15	19.00	1.96	0.75	0.291	1.70	47.47	0.00	0.00	47.47	0.50
5.20	19.00	1.96	0.75	0.294	1.70	47.47	0.00	0.00	47.47	0.50
5.25	19.00	1.96	0.75	0.296	1.70	47.47	0.00	0.00	47.47	0.50
5.30	19.00	1.96	0.75	0.299	1.70	47.47	0.00	0.00	47.47	0.50
5.35	19.00	1.96	0.75	0.302	1.70	47.47	0.00	0.00	47.47	0.50
5.40	19.00	1.96	0.75	0.305	1.70	47.47	0.00	0.00	47.47	0.50
5.45	19.00	1.96	0.75	0.308	1.70	47.47	0.00	0.00	47.47	0.50
5.50	19.00	1.96	0.75	0.311	1.70	47.47	0.00	0.00	47.47	0.50
5.55	19.00	1.96	0.75	0.314	1.70	47.47	0.00	0.00	47.47	0.50
5.60	19.00	1.96	0.75	0.316	1.70	47.47	0.00	0.00	47.47	0.50
5.65	19.00	1.96	0.75	0.319	1.70	47.47	0.00	0.00	47.47	0.50
5.70	19.00	1.96	0.75	0.322	1.70	47.47	0.00	0.00	47.47	0.50
5.75	19.00	1.96	0.75	0.325	1.70	47.47	0.00	0.00	47.47	0.50
5.80	19.00	1.96	0.75	0.328	1.70	47.47	0.00	0.00	47.47	0.50
5.85	19.00	1.96	0.75	0.331	1.70	47.47	0.00	0.00	47.47	0.50
5.90	19.00	1.96	0.75	0.334	1.70	47.47	0.00	0.00	47.47	0.50
5.95	19.00	1.96	0.75	0.336	1.70	47.47	0.00	0.00	47.47	0.50
6.00	19.00	1.96	0.75	0.339	1.70	47.47	0.00	0.00	47.47	0.50
6.05	19.00	1.96	0.75	0.342	1.70	47.47	0.00	0.00	47.47	0.50
6.10	19.00	1.96	0.75	0.345	1.70	47.47	0.00	0.00	47.47	0.50
6.15	19.00	1.96	0.75	0.348	1.70	47.34	0.00	0.00	47.34	0.50
6.20	19.00	1.96	0.75	0.351	1.69	47.15	0.00	0.00	47.15	0.50
6.25	19.00	1.96	0.75	0.354	1.68	46.95	0.00	0.00	46.95	0.50
6.30	19.00	1.96	0.75	0.357	1.67	46.76	0.00	0.00	46.76	0.50
6.35	19.00	1.96	0.75	0.359	1.67	46.58	0.00	0.00	46.58	0.50
6.40	19.00	1.96	0.75	0.362	1.66	46.39	0.00	0.00	46.39	0.50
6.45	19.00	1.96	0.75	0.365	1.65	46.21	0.00	0.00	46.21	0.50
6.50	19.00	1.96	0.75	0.368	1.65	46.02	0.00	0.00	46.02	0.50
6.55	19.00	1.96	0.75	0.371	1.64	45.84	0.00	0.00	45.84	0.50
6.60	19.00	1.96	0.75	0.374	1.64	45.67	0.00	0.00	45.67	0.50
6.65	19.00	1.96	0.75	0.377	1.63	45.49	0.00	0.00	45.49	0.50
6.70	19.00	1.96	0.75	0.380	1.62	45.31	0.00	0.00	45.31	0.50
6.75	19.00	1.96	0.75	0.383	1.62	45.14	0.00	0.00	45.14	0.50
6.80	19.00	1.96	0.75	0.386	1.61	44.97	0.00	0.00	44.97	0.50
6.85	19.00	1.96	0.75	0.388	1.60	44.80	0.00	0.00	44.80	0.50
6.90	19.00	1.96	0.75	0.391	1.60	44.64	0.00	0.00	44.64	0.50
6.95	19.00	1.96	0.75	0.394	1.59	44.47	0.00	0.00	44.47	0.50
7.00	19.00	1.96	0.75	0.397	1.59	44.31	0.00	0.00	44.31	0.50
7.05	19.00	1.96	0.75	0.400	1.58	44.14	0.00	0.00	44.14	0.50
7.10	19.00	1.96	0.75	0.403	1.58	43.98	0.00	0.00	43.98	0.50
7.15	19.00	1.96	0.75	0.406	1.57	43.83	0.00	0.00	43.83	0.50
7.20	19.00	1.96	0.75	0.409	1.56	43.67	0.00	0.00	43.67	0.50
7.25	19.00	1.96	0.75	0.412	1.56	43.51	0.00	0.00	43.51	0.50
7.30	19.00	1.96	0.75	0.415	1.55	43.36	0.00	0.00	43.36	0.50
7.35	19.00	1.96	0.75	0.418	1.55	43.21	0.00	0.00	43.21	0.50
7.40	19.00	1.96	0.75	0.421	1.54	43.05	0.00	0.00	43.05	0.50
7.45	19.00	1.96	0.75	0.424	1.54	42.90	0.00	0.00	42.90	0.50
7.50	19.00	1.96	0.75	0.427	1.53	42.76	0.00	0.00	42.76	0.50
7.55	19.00	1.96	0.75	0.430	1.53	42.61	0.00	0.00	42.61	0.50
7.60	19.00	1.96	0.75	0.432	1.52	42.46	0.00	0.00	42.46	0.50
7.65	19.00	1.96	0.75	0.435	1.52	42.32	0.00	0.00	42.32	0.50
7.70	19.00	1.96	0.75	0.438	1.51	42.18	0.00	0.00	42.18	0.50
7.75	19.00	1.96	0.75	0.441	1.51	42.03	0.00	0.00	42.03	0.50

7.80	19.00	1.96	0.75	0.444	1.50	41.89	0.00	0.00	41.89	0.50
7.85	19.00	1.96	0.75	0.447	1.50	41.76	0.00	0.00	41.76	0.50
7.90	19.00	1.96	0.75	0.450	1.49	41.62	0.00	0.00	41.62	0.50
7.95	19.00	1.96	0.75	0.453	1.49	41.48	0.00	0.00	41.48	0.50
8.00	19.00	1.96	0.75	0.456	1.48	41.35	0.00	0.00	41.35	0.50
8.05	19.00	1.96	0.75	0.459	1.48	41.21	0.00	0.00	41.21	0.50
8.10	19.00	1.96	0.75	0.462	1.47	41.08	0.00	0.00	41.08	0.50
8.15	19.00	1.96	0.75	0.465	1.47	40.95	0.00	0.00	40.95	0.50
8.20	19.00	1.96	0.75	0.468	1.46	40.82	0.00	0.00	40.82	0.50
8.25	19.00	1.96	0.85	0.471	1.46	46.11	0.00	0.00	46.11	0.50
8.30	19.00	1.96	0.85	0.474	1.45	45.97	0.00	0.00	45.97	0.50
8.35	19.00	1.96	0.85	0.477	1.45	45.82	0.00	0.00	45.82	0.50
8.40	19.00	1.96	0.85	0.480	1.44	45.68	0.00	0.00	45.68	0.50
8.45	19.00	1.96	0.85	0.483	1.44	45.54	0.00	0.00	45.54	0.50
8.50	19.00	1.96	0.85	0.486	1.43	45.40	0.00	0.00	45.40	0.50
8.55	19.00	1.96	0.85	0.489	1.43	45.26	0.00	0.00	45.26	0.50
8.60	19.00	1.96	0.85	0.492	1.43	45.12	0.00	0.00	45.12	0.50
8.65	19.00	1.96	0.85	0.495	1.42	44.98	0.00	0.00	44.98	0.50
8.70	19.00	1.96	0.85	0.498	1.42	44.85	0.00	0.00	44.85	0.50
8.75	19.00	1.96	0.85	0.501	1.41	44.71	0.00	0.00	44.71	0.50
8.80	19.00	1.96	0.85	0.504	1.41	44.58	0.00	0.00	44.58	0.50
8.85	19.00	1.96	0.85	0.507	1.40	44.45	0.00	0.00	44.45	0.50
8.90	19.00	1.96	0.85	0.510	1.40	44.31	0.00	0.00	44.31	0.50
8.95	19.00	1.96	0.85	0.513	1.40	44.18	0.00	0.00	44.18	0.50
9.00	19.00	1.96	0.85	0.516	1.39	44.05	0.00	0.00	44.05	0.50
9.05	19.00	1.96	0.85	0.519	1.39	43.93	0.00	0.00	43.93	0.50
9.10	19.00	1.96	0.85	0.522	1.38	43.80	0.00	0.00	43.80	0.50
9.15	19.00	1.96	0.85	0.525	1.38	43.67	0.00	0.00	43.67	0.50
9.20	19.00	1.96	0.85	0.528	1.38	43.55	0.00	0.00	43.55	0.50
9.25	19.00	1.96	0.85	0.531	1.37	43.42	0.00	0.00	43.42	0.50
9.30	19.00	1.96	0.85	0.534	1.37	43.30	0.00	0.00	43.30	0.50
9.35	19.00	1.96	0.85	0.537	1.36	43.18	0.00	0.00	43.18	0.50
9.40	19.00	1.96	0.85	0.540	1.36	43.05	0.00	0.00	43.05	0.50
9.45	19.00	1.96	0.85	0.543	1.36	42.93	0.00	0.00	42.93	0.50
9.50	19.00	1.96	0.85	0.546	1.35	42.81	0.00	0.00	42.81	0.50
9.55	19.00	1.96	0.85	0.549	1.35	42.70	0.00	0.00	42.70	0.50
9.60	19.00	1.96	0.85	0.552	1.35	42.58	0.00	0.00	42.58	0.50
9.65	19.00	1.96	0.85	0.556	1.34	42.46	0.00	0.00	42.46	0.50
9.70	19.00	1.96	0.85	0.559	1.34	42.34	0.00	0.00	42.34	0.50
9.75	19.00	1.96	0.85	0.562	1.33	42.23	0.00	0.00	42.23	0.50
9.80	19.00	1.96	0.85	0.565	1.33	42.11	0.00	0.00	42.11	0.50
9.85	19.00	1.96	0.85	0.568	1.33	42.00	0.00	0.00	42.00	0.50
9.90	19.00	1.96	0.85	0.571	1.32	41.89	0.00	0.00	41.89	0.50
9.95	19.00	1.96	0.85	0.574	1.32	41.78	0.00	0.00	41.78	0.50
10.00	19.00	1.96	0.85	0.577	1.32	41.66	0.00	0.00	41.66	0.50
10.05	19.03	1.96	0.85	0.580	1.31	41.62	0.00	0.00	41.62	0.50
10.10	19.06	1.96	0.85	0.583	1.31	41.58	0.00	0.00	41.58	0.50
10.15	19.09	1.96	0.85	0.586	1.31	41.53	0.00	0.00	41.53	0.50
10.20	19.12	1.96	0.85	0.589	1.30	41.49	0.00	0.00	41.49	0.50
10.25	19.15	1.96	0.85	0.592	1.30	41.45	0.00	0.00	41.45	0.50
10.30	19.18	1.96	0.85	0.595	1.30	41.40	0.00	0.00	41.40	0.50
10.35	19.21	1.96	0.85	0.598	1.29	41.36	0.00	0.00	41.36	0.50
10.40	19.24	1.96	0.85	0.602	1.29	41.32	0.00	0.00	41.32	0.50
10.45	19.27	1.96	0.85	0.605	1.29	41.28	0.00	0.00	41.28	0.50
10.50	19.30	1.96	0.85	0.608	1.28	41.24	0.00	0.00	41.24	0.50
10.55	19.33	1.96	0.85	0.611	1.28	41.20	0.00	0.00	41.20	0.50
10.60	19.36	1.96	0.85	0.614	1.28	41.16	0.00	0.00	41.16	0.50
10.65	19.39	1.96	0.85	0.617	1.27	41.12	0.00	0.00	41.12	0.50
10.70	19.42	1.96	0.85	0.620	1.27	41.08	0.00	0.00	41.08	0.50
10.75	19.45	1.96	0.85	0.623	1.27	41.05	0.00	0.00	41.05	0.50
10.80	19.48	1.96	0.85	0.626	1.26	41.01	0.00	0.00	41.01	0.50
10.85	19.51	1.96	0.85	0.629	1.26	40.97	0.00	0.00	40.97	0.50
10.90	19.54	1.96	0.85	0.632	1.26	40.94	0.00	0.00	40.94	0.50
10.95	19.57	1.96	0.85	0.635	1.25	40.90	0.00	0.00	40.90	0.50
11.00	19.60	1.96	0.85	0.638	1.25	40.86	0.00	0.00	40.86	0.50
11.05	19.63	1.96	0.85	0.641	1.25	40.83	0.00	0.00	40.83	0.50
11.10	19.66	1.96	0.85	0.644	1.25	40.79	0.00	0.00	40.79	0.50
11.15	19.69	1.96	0.85	0.647	1.24	40.76	0.00	0.00	40.76	0.50
11.20	19.72	1.96	0.85	0.651	1.24	40.73	0.00	0.00	40.73	0.50
11.25	19.75	1.96	0.85	0.654	1.24	40.69	0.00	0.00	40.69	0.50
11.30	19.78	1.96	0.85	0.657	1.23	40.66	0.00	0.00	40.66	0.50
11.35	19.81	1.96	0.85	0.660	1.23	40.63	0.00	0.00	40.63	0.50
11.40	19.84	1.96	0.85	0.663	1.23	40.59	0.00	0.00	40.59	0.50

11.45	19.87	1.96	0.85	0.666	1.23	40.56	0.00	0.00	40.56	0.50
11.50	19.90	1.96	0.85	0.669	1.22	40.53	0.00	0.00	40.53	0.50
11.55	19.93	1.96	0.85	0.672	1.22	40.50	0.00	0.00	40.50	0.50
11.60	19.96	1.96	0.85	0.675	1.22	40.47	0.00	0.00	40.47	0.50
11.65	19.99	1.96	0.85	0.678	1.21	40.44	0.00	0.00	40.44	0.50
11.70	20.02	1.96	0.85	0.681	1.21	40.41	0.00	0.00	40.41	0.50
11.75	20.05	1.96	0.85	0.684	1.21	40.38	0.00	0.00	40.38	0.50
11.80	20.08	1.96	0.85	0.687	1.21	40.35	0.00	0.00	40.35	0.50
11.85	20.11	1.96	0.85	0.690	1.20	40.32	0.00	0.00	40.32	0.50
11.90	20.14	1.96	0.85	0.693	1.20	40.29	0.00	0.00	40.29	0.50
11.95	20.17	1.96	0.85	0.696	1.20	40.26	0.00	0.00	40.26	0.50
12.00	20.20	1.96	0.85	0.699	1.20	40.23	0.00	0.00	40.23	0.50
12.05	20.23	1.96	0.85	0.702	1.19	40.21	0.00	0.00	40.21	0.50
12.10	20.26	1.96	0.85	0.705	1.19	40.18	0.00	0.00	40.18	0.50
12.15	20.29	1.96	0.85	0.708	1.19	40.15	0.00	0.00	40.15	0.50
12.20	20.32	1.96	0.85	0.712	1.19	40.13	0.00	0.00	40.13	0.50
12.25	20.35	1.96	0.85	0.715	1.18	40.10	0.00	0.00	40.10	0.50
12.30	20.38	1.96	0.85	0.718	1.18	40.07	0.00	0.00	40.07	0.50
12.35	20.41	1.96	0.85	0.721	1.18	40.05	0.00	0.00	40.05	0.50
12.40	20.44	1.96	0.85	0.724	1.18	40.02	0.00	0.00	40.02	0.50
12.45	20.47	1.96	0.85	0.727	1.17	40.00	0.00	0.00	40.00	0.50
12.50	20.50	1.96	0.85	0.730	1.17	39.97	0.00	0.00	39.97	0.50
12.55	20.53	1.96	0.85	0.733	1.17	39.95	0.00	0.00	39.95	0.50
12.60	20.56	1.96	0.85	0.736	1.17	39.92	0.00	0.00	39.92	0.50
12.65	20.59	1.96	0.85	0.739	1.16	39.90	0.00	0.00	39.90	0.50
12.70	20.62	1.96	0.85	0.742	1.16	39.87	0.00	0.00	39.87	0.50
12.75	20.65	1.96	0.85	0.745	1.16	39.85	0.00	0.00	39.85	0.50
12.80	20.68	1.96	0.85	0.748	1.16	39.83	0.00	0.00	39.83	0.50
12.85	20.71	1.96	0.85	0.751	1.15	39.81	0.00	0.00	39.81	0.50
12.90	20.74	1.96	0.85	0.754	1.15	39.78	0.00	0.00	39.78	0.50
12.95	20.77	1.96	0.85	0.757	1.15	39.76	0.00	0.00	39.76	0.50
13.00	20.80	1.96	0.85	0.760	1.15	39.74	0.00	0.00	39.74	0.50
13.05	20.83	1.96	0.85	0.763	1.14	39.72	0.00	0.00	39.72	0.50
13.10	20.86	1.96	0.85	0.766	1.14	39.69	0.00	0.00	39.69	0.50
13.15	20.89	1.96	0.85	0.769	1.14	39.67	0.00	0.00	39.67	0.50
13.20	20.92	1.96	0.85	0.772	1.14	39.65	0.00	0.00	39.65	0.50
13.25	20.95	1.96	0.85	0.775	1.14	39.63	0.00	0.00	39.63	0.50
13.30	20.98	1.96	0.85	0.778	1.13	39.61	0.00	0.00	39.61	0.50
13.35	21.01	1.96	0.85	0.781	1.13	39.59	0.00	0.00	39.59	0.50
13.40	21.04	1.96	0.85	0.784	1.13	39.57	0.00	0.00	39.57	0.50
13.45	21.07	1.96	0.85	0.787	1.13	39.55	0.00	0.00	39.55	0.50
13.50	21.10	1.96	0.85	0.790	1.12	39.53	0.00	0.00	39.53	0.50
13.55	21.13	1.96	0.85	0.793	1.12	39.51	0.00	0.00	39.51	0.50
13.60	21.16	1.96	0.85	0.796	1.12	39.49	0.00	0.00	39.49	0.50
13.65	21.19	1.96	0.85	0.800	1.12	39.47	0.00	0.00	39.47	0.50
13.70	21.22	1.96	0.85	0.803	1.12	39.45	0.00	0.00	39.45	0.50
13.75	21.25	1.96	0.85	0.806	1.11	39.44	0.00	0.00	39.44	0.50
13.80	21.28	1.96	0.85	0.809	1.11	39.42	0.00	0.00	39.42	0.50
13.85	21.31	1.96	0.85	0.812	1.11	39.40	0.00	0.00	39.40	0.50
13.90	21.34	1.96	0.85	0.815	1.11	39.38	0.00	0.00	39.38	0.50
13.95	21.37	1.96	0.85	0.818	1.11	39.36	0.00	0.00	39.36	0.50
14.00	21.40	1.96	0.85	0.821	1.10	39.35	0.00	0.00	39.35	0.50
14.05	21.43	1.96	0.85	0.824	1.10	39.33	0.00	0.00	39.33	0.50
14.10	21.46	1.96	0.85	0.827	1.10	39.31	0.00	0.00	39.31	0.50
14.15	21.49	1.96	0.85	0.830	1.10	39.30	0.00	0.00	39.30	0.50
14.20	21.52	1.96	0.85	0.833	1.10	39.28	0.00	0.00	39.28	0.50
14.25	21.55	1.96	0.85	0.836	1.09	39.26	0.00	0.00	39.26	0.50
14.30	21.58	1.96	0.85	0.839	1.09	39.25	0.00	0.00	39.25	0.50
14.35	21.61	1.96	0.85	0.842	1.09	39.23	0.00	0.00	39.23	0.50
14.40	21.64	1.96	0.85	0.845	1.09	39.22	0.00	0.00	39.22	0.50
14.45	21.67	1.96	0.85	0.848	1.09	39.20	0.00	0.00	39.20	0.50
14.50	21.70	1.96	0.85	0.851	1.08	39.18	0.00	0.00	39.18	0.50
14.55	21.73	1.96	0.85	0.854	1.08	39.17	0.00	0.00	39.17	0.50
14.60	21.76	1.96	0.85	0.857	1.08	39.15	0.00	0.00	39.15	0.50
14.65	21.79	1.96	0.85	0.860	1.08	39.14	0.00	0.00	39.14	0.50
14.70	21.82	1.96	0.85	0.863	1.08	39.13	0.00	0.00	39.13	0.50
14.75	21.85	1.96	0.85	0.866	1.07	39.11	0.00	0.00	39.11	0.50
14.80	21.88	1.96	0.95	0.869	1.07	43.70	0.00	0.00	43.70	0.50
14.85	21.91	1.96	0.95	0.872	1.07	43.68	0.00	0.00	43.68	0.50
14.90	21.94	1.96	0.95	0.875	1.07	43.67	0.00	0.00	43.67	0.50
14.95	21.97	1.96	0.95	0.878	1.07	43.65	0.00	0.00	43.65	0.50
15.00	22.00	1.96	0.95	0.881	1.07	43.63	0.00	0.00	43.63	0.50
15.05	22.00	1.96	0.95	0.884	1.06	43.56	1.01	0.00	43.56	0.50

15.10	22.00	1.96	0.95	0.887	1.06	43.49	2.02	0.00	43.49	0.50
15.15	22.00	1.96	0.95	0.890	1.06	43.41	3.03	0.00	43.41	0.50
15.20	22.00	1.96	0.95	0.893	1.06	43.34	4.04	0.00	43.34	0.50
15.25	22.00	1.96	0.95	0.896	1.06	43.27	5.05	0.06	43.33	0.50
15.30	22.00	1.96	0.95	0.899	1.05	43.20	6.06	0.25	43.44	0.50
15.35	22.00	1.96	0.95	0.902	1.05	43.12	7.07	0.51	43.63	0.50
15.40	22.00	1.96	0.95	0.905	1.05	43.05	8.08	0.88	43.93	0.50
15.45	22.00	1.96	0.95	0.908	1.05	42.98	9.09	1.33	44.31	0.50
15.50	22.00	1.96	0.95	0.911	1.05	42.91	10.10	1.85	44.76	0.50
15.55	22.00	1.96	0.95	0.914	1.05	42.84	11.11	2.41	45.24	0.50
15.60	22.00	1.96	0.95	0.917	1.04	42.77	12.12	2.97	45.74	0.50
15.65	22.00	1.96	0.95	0.920	1.04	42.70	13.13	3.54	46.24	0.50
15.70	22.00	1.96	0.95	0.923	1.04	42.63	14.14	4.09	46.72	0.50
15.75	22.00	1.96	0.95	0.926	1.04	42.56	15.15	4.62	47.19	0.50
15.80	22.00	1.96	0.95	0.929	1.04	42.49	16.16	5.14	47.64	0.50
15.85	22.00	1.96	0.95	0.932	1.04	42.42	17.17	5.65	48.07	0.50
15.90	22.00	1.96	0.95	0.935	1.03	42.36	18.18	6.13	48.49	0.50
15.95	22.00	1.96	0.95	0.938	1.03	42.29	19.19	6.60	48.89	0.50
16.00	22.00	1.96	0.95	0.941	1.03	42.22	20.20	7.06	49.28	0.50
16.05	22.00	1.96	0.95	0.944	1.03	42.16	21.21	7.51	49.66	0.50
16.10	22.00	1.96	0.95	0.947	1.03	42.09	22.22	7.94	50.03	0.50
16.15	22.00	1.96	0.95	0.950	1.03	42.02	23.23	8.37	50.40	0.50
16.20	22.00	1.96	0.95	0.953	1.02	41.96	24.24	8.79	50.75	0.50
16.25	22.00	1.96	0.95	0.956	1.02	41.89	25.25	9.21	51.10	0.50
16.30	22.00	1.96	0.95	0.959	1.02	41.83	26.26	9.62	51.45	0.50
16.35	22.00	1.96	0.95	0.962	1.02	41.76	27.27	10.03	51.79	0.50
16.40	22.00	1.96	0.95	0.965	1.02	41.70	28.28	10.44	52.13	0.50
16.45	22.00	1.96	0.95	0.968	1.02	41.63	29.29	10.84	52.47	0.50
16.50	22.00	1.96	0.95	0.971	1.01	41.57	30.30	11.24	52.81	0.50
16.55	22.00	1.96	0.95	0.974	1.01	41.51	31.31	11.65	53.15	0.50
16.60	22.00	1.96	0.95	0.977	1.01	41.44	32.32	12.05	53.49	0.50
16.65	22.00	1.96	0.95	0.980	1.01	41.38	33.33	12.45	53.83	0.50
16.70	22.00	1.96	0.95	0.983	1.01	41.32	34.34	12.85	54.17	0.50
16.75	22.00	1.96	0.95	0.986	1.01	41.25	35.35	13.25	54.51	0.50
16.80	22.00	1.96	0.95	0.989	1.01	41.19	36.36	13.24	54.43	0.50
16.85	22.00	1.96	0.95	0.991	1.00	41.13	37.37	13.23	54.36	0.50
16.90	22.00	1.96	0.95	0.994	1.00	41.07	38.38	13.21	54.28	0.50
16.95	22.00	1.96	0.95	0.997	1.00	41.01	39.39	13.20	54.21	0.50
17.00	22.00	1.96	0.95	1.000	1.00	40.95	40.40	13.19	54.14	0.50
17.05	22.00	1.96	0.95	1.003	1.00	40.89	41.41	13.18	54.06	0.50
17.10	22.00	1.96	0.95	1.006	1.00	40.83	42.42	13.17	53.99	0.50
17.15	22.00	1.96	0.95	1.009	1.00	40.77	43.43	13.15	53.92	0.50
17.20	22.00	1.96	0.95	1.012	0.99	40.71	44.44	13.14	53.85	0.50
17.25	22.00	1.96	0.95	1.015	0.99	40.65	45.45	13.13	53.78	0.50
17.30	22.00	1.96	0.95	1.018	0.99	40.59	46.46	13.12	53.71	0.50
17.35	22.00	1.96	0.95	1.021	0.99	40.53	47.47	13.11	53.64	0.50
17.40	22.00	1.96	0.95	1.024	0.99	40.47	48.48	13.09	53.57	0.50
17.45	22.00	1.96	0.95	1.027	0.99	40.41	49.49	13.08	53.50	0.50
17.50	22.00	1.96	0.95	1.030	0.99	40.36	50.50	13.07	53.43	0.50
17.55	22.00	1.96	0.95	1.033	0.98	40.30	51.51	13.06	53.36	0.50
17.60	22.00	1.96	0.95	1.036	0.98	40.24	52.52	13.05	53.29	0.50
17.65	22.00	1.96	0.95	1.039	0.98	40.18	53.53	13.04	53.22	0.50
17.70	22.00	1.96	0.95	1.042	0.98	40.13	54.54	13.03	53.15	0.50
17.75	22.00	1.96	0.95	1.045	0.98	40.07	55.55	13.01	53.08	0.50
17.80	22.00	1.96	0.95	1.048	0.98	40.01	56.56	13.00	53.02	0.50
17.85	22.00	1.96	0.95	1.051	0.98	39.96	57.57	12.99	52.95	0.50
17.90	22.00	1.96	0.95	1.054	0.97	39.90	58.58	12.98	52.88	0.50
17.95	22.00	1.96	0.95	1.056	0.97	39.85	59.59	12.97	52.81	0.50
18.00	22.00	1.96	0.95	1.059	0.97	39.79	60.60	12.96	52.75	0.50
18.05	22.00	1.96	0.95	1.062	0.97	39.74	61.61	12.95	52.68	0.50
18.10	22.00	1.96	0.95	1.065	0.97	39.68	62.62	12.94	52.62	0.50
18.15	22.00	1.96	0.95	1.068	0.97	39.63	63.63	12.93	52.55	0.50
18.20	22.00	1.96	0.95	1.071	0.97	39.57	64.64	12.91	52.49	0.50
18.25	22.00	1.96	0.95	1.074	0.96	39.52	65.65	12.90	52.42	0.50
18.30	22.00	1.96	0.95	1.077	0.96	39.46	66.66	12.89	52.36	0.50
18.35	22.00	1.96	0.95	1.080	0.96	39.41	67.67	12.88	52.29	0.50
18.40	22.00	1.96	0.95	1.083	0.96	39.36	68.68	12.87	52.23	0.50
18.45	22.00	1.96	0.95	1.086	0.96	39.30	69.69	12.86	52.16	0.50
18.50	22.00	1.96	0.95	1.089	0.96	39.25	70.70	12.85	52.10	0.50
18.55	22.00	1.96	0.95	1.092	0.96	39.20	71.71	12.84	52.04	0.50
18.60	22.00	1.96	0.95	1.095	0.96	39.15	72.72	12.83	51.97	0.50
18.65	22.00	1.96	0.95	1.098	0.95	39.09	73.73	12.82	51.91	0.50
18.70	22.00	1.96	0.95	1.100	0.95	39.04	74.74	12.81	51.85	0.50

18.75	22.00	1.96	0.95	1.103	0.95	38.99	75.75	12.80	51.79	0.50
18.80	22.00	1.96	0.95	1.106	0.95	38.94	76.76	12.79	51.73	0.50
18.85	22.00	1.96	0.95	1.109	0.95	38.89	77.77	12.78	51.66	0.50
18.90	22.00	1.96	0.95	1.112	0.95	38.84	78.78	12.77	51.60	0.50
18.95	22.00	1.96	0.95	1.115	0.95	38.78	79.79	12.76	51.54	0.50
19.00	22.00	1.96	0.95	1.118	0.95	38.73	80.80	12.75	51.48	0.50
19.05	22.00	1.96	0.95	1.121	0.94	38.68	81.81	12.74	51.42	0.50
19.10	22.00	1.96	0.95	1.124	0.94	38.63	82.82	12.73	51.36	0.50
19.15	22.00	1.96	0.95	1.127	0.94	38.58	83.83	12.72	51.30	0.50
19.20	22.00	1.96	0.95	1.130	0.94	38.53	84.84	12.71	51.24	0.50
19.25	22.00	1.96	0.95	1.133	0.94	38.48	85.85	12.70	51.18	0.50
19.30	22.00	1.96	0.95	1.135	0.94	38.43	86.86	12.69	51.12	0.50
19.35	22.00	1.96	0.95	1.138	0.94	38.39	87.87	12.68	51.06	0.50
19.40	22.00	1.96	0.95	1.141	0.94	38.34	88.88	12.67	51.00	0.50
19.45	22.00	1.96	0.95	1.144	0.93	38.29	89.89	12.66	50.95	0.50
19.50	22.00	1.96	0.95	1.147	0.93	38.24	90.90	12.65	50.89	0.50
19.55	22.00	1.96	0.95	1.150	0.93	38.19	91.91	12.64	50.83	0.50
19.60	22.00	1.96	0.95	1.153	0.93	38.14	92.92	12.63	50.77	0.50
19.65	22.00	1.96	0.95	1.156	0.93	38.09	93.93	12.62	50.71	0.50
19.70	22.00	1.96	0.95	1.159	0.93	38.05	94.94	12.61	50.66	0.50
19.75	22.00	1.96	0.95	1.162	0.93	38.00	95.95	12.60	50.60	0.50
19.80	22.00	1.96	0.95	1.165	0.93	37.95	96.96	12.59	50.54	0.50
19.85	22.00	1.96	0.95	1.167	0.93	37.90	97.97	12.58	50.49	0.50
19.90	22.00	1.96	0.95	1.170	0.92	37.86	98.98	12.57	50.43	0.50
19.95	22.00	1.96	0.95	1.173	0.92	37.81	99.99	12.56	50.37	0.50
20.00	22.00	1.96	0.95	1.176	0.92	37.76	NoLiq	12.55	50.32	0.50
20.05	21.89	1.96	0.95	1.179	0.92	37.53	NoLiq	12.51	50.04	0.50
20.10	21.78	1.96	0.95	1.182	0.92	37.30	NoLiq	12.46	49.75	0.50
20.15	21.67	1.96	0.95	1.185	0.92	37.06	NoLiq	12.41	49.47	0.50
20.20	21.56	1.96	0.95	1.188	0.92	36.83	NoLiq	12.37	49.19	0.50
20.25	21.45	1.96	0.95	1.191	0.92	36.60	NoLiq	12.32	48.92	0.50
20.30	21.34	1.96	0.95	1.193	0.92	36.36	NoLiq	12.27	48.64	0.50
20.35	21.23	1.96	0.95	1.196	0.91	36.13	NoLiq	12.23	48.36	0.50
20.40	21.12	1.96	0.95	1.199	0.91	35.90	NoLiq	12.18	48.08	0.50
20.45	21.01	1.96	0.95	1.202	0.91	35.67	NoLiq	12.13	47.81	0.50
20.50	20.90	1.96	0.95	1.205	0.91	35.44	NoLiq	12.09	47.53	0.50
20.55	20.79	1.96	0.95	1.208	0.91	35.21	NoLiq	12.04	47.26	0.50
20.60	20.68	1.96	0.95	1.211	0.91	34.99	NoLiq	12.00	46.98	0.50
20.65	20.57	1.96	0.95	1.214	0.91	34.76	NoLiq	11.95	46.71	0.50
20.70	20.46	1.96	0.95	1.217	0.91	34.53	NoLiq	11.91	46.44	0.50
20.75	20.35	1.96	0.95	1.219	0.91	34.31	NoLiq	11.86	46.17	0.50
20.80	20.24	1.96	0.95	1.222	0.90	34.08	NoLiq	11.82	45.90	0.50
20.85	20.13	1.96	0.95	1.225	0.90	33.85	NoLiq	11.77	45.63	0.50
20.90	20.02	1.96	0.95	1.228	0.90	33.63	NoLiq	11.73	45.36	0.50
20.95	19.91	1.96	0.95	1.231	0.90	33.41	NoLiq	11.68	45.09	0.50
21.00	19.80	1.96	0.95	1.234	0.90	33.18	NoLiq	11.64	44.82	0.50
21.05	19.69	1.96	0.95	1.237	0.90	32.96	NoLiq	11.59	44.55	0.50
21.10	19.58	1.96	0.95	1.240	0.90	32.74	NoLiq	11.55	44.29	0.50
21.15	19.47	1.96	0.95	1.243	0.90	32.52	NoLiq	11.50	44.02	0.50
21.20	19.36	1.96	0.95	1.245	0.90	32.29	NoLiq	11.46	43.75	0.50
21.25	19.25	1.96	0.95	1.248	0.90	32.07	NoLiq	11.41	43.49	0.50
21.30	19.14	1.96	0.95	1.251	0.89	31.85	NoLiq	11.37	43.23	0.50
21.35	19.03	1.96	0.95	1.254	0.89	31.63	NoLiq	11.33	42.96	0.50
21.40	18.92	1.96	0.95	1.257	0.89	31.42	NoLiq	11.28	42.70	0.50
21.45	18.81	1.96	0.95	1.260	0.89	31.20	NoLiq	11.24	42.44	0.50
21.50	18.70	1.96	0.95	1.263	0.89	30.98	NoLiq	11.20	42.18	0.50
21.55	18.59	1.96	0.95	1.266	0.89	30.76	NoLiq	11.15	41.91	0.50
21.60	18.48	1.96	0.95	1.269	0.89	30.55	NoLiq	11.11	41.65	0.50
21.65	18.37	1.96	0.95	1.271	0.89	30.33	NoLiq	11.07	41.40	0.50
21.70	18.26	1.96	0.95	1.274	0.89	30.11	NoLiq	11.02	41.14	0.50
21.75	18.15	1.96	0.95	1.277	0.88	29.90	NoLiq	10.98	40.88	0.50
21.80	18.04	1.96	0.95	1.280	0.88	29.68	NoLiq	10.94	40.62	0.50
21.85	17.93	1.96	0.95	1.283	0.88	29.47	NoLiq	10.89	40.36	0.50
21.90	17.82	1.96	0.95	1.286	0.88	29.26	NoLiq	10.85	40.11	0.50
21.95	17.71	1.96	0.95	1.289	0.88	29.04	NoLiq	10.81	39.85	0.50
22.00	17.60	1.96	0.95	1.292	0.88	28.83	NoLiq	10.77	39.60	0.50
22.05	17.49	1.96	0.95	1.294	0.88	28.62	NoLiq	10.72	39.34	0.50
22.10	17.38	1.96	0.95	1.297	0.88	28.41	NoLiq	10.68	39.09	0.50
22.15	17.27	1.96	0.95	1.300	0.88	28.20	NoLiq	10.64	38.84	0.50
22.20	17.16	1.96	0.95	1.303	0.88	27.99	NoLiq	10.60	38.58	0.50
22.25	17.05	1.96	0.95	1.306	0.88	27.78	NoLiq	10.56	38.33	0.50
22.30	16.94	1.96	0.95	1.309	0.87	27.57	NoLiq	10.51	38.08	0.50
22.35	16.83	1.96	0.95	1.312	0.87	27.36	NoLiq	10.47	37.83	0.50

22.40	16.72	1.96	0.95	1.315	0.87	27.15	NoLiq	10.43	37.58	0.50
22.45	16.61	1.96	0.95	1.317	0.87	26.94	NoLiq	10.39	37.33	0.50
22.50	16.50	1.96	0.95	1.320	0.87	26.73	NoLiq	10.35	37.08	0.50
22.55	16.39	1.96	0.95	1.323	0.87	26.53	NoLiq	10.31	36.83	0.50
22.60	16.28	1.96	0.95	1.326	0.87	26.32	NoLiq	10.26	36.58	0.50
22.65	16.17	1.96	0.95	1.329	0.87	26.11	NoLiq	10.22	36.34	0.50
22.70	16.06	1.96	0.95	1.332	0.87	25.91	NoLiq	10.18	36.09	0.50
22.75	15.95	1.96	0.95	1.335	0.87	25.70	NoLiq	10.14	35.84	0.50
22.80	15.84	1.96	0.95	1.337	0.86	25.50	NoLiq	10.10	35.60	0.50
22.85	15.73	1.96	0.95	1.340	0.86	25.29	NoLiq	10.06	35.35	0.50
22.90	15.62	1.96	0.95	1.343	0.86	25.09	NoLiq	10.02	35.11	0.50
22.95	15.51	1.96	0.95	1.346	0.86	24.89	NoLiq	9.98	34.86	0.50
23.00	15.40	1.96	0.95	1.349	0.86	24.68	NoLiq	9.94	34.62	0.50
23.05	15.29	1.96	0.95	1.352	0.86	24.48	NoLiq	9.90	34.38	0.50
23.10	15.18	1.96	0.95	1.355	0.86	24.28	NoLiq	9.86	34.14	0.50
23.15	15.07	1.96	0.95	1.358	0.86	24.08	NoLiq	9.82	33.89	0.50
23.20	14.96	1.96	0.95	1.360	0.86	23.88	NoLiq	9.78	33.65	0.50
23.25	14.85	1.96	0.95	1.363	0.86	23.68	NoLiq	9.74	33.41	0.50
23.30	14.74	1.96	0.95	1.366	0.86	23.48	NoLiq	9.70	33.17	0.50
23.35	14.63	1.96	0.95	1.369	0.85	23.28	NoLiq	9.66	32.93	0.50
23.40	14.52	1.96	0.95	1.372	0.85	23.08	NoLiq	9.62	32.69	0.50
23.45	14.41	1.96	0.95	1.375	0.85	22.88	NoLiq	9.58	32.46	0.50
23.50	14.30	1.96	0.95	1.378	0.85	22.68	NoLiq	9.54	32.22	0.50
23.55	14.19	1.96	0.95	1.380	0.85	22.48	NoLiq	9.50	31.98	0.50
23.60	14.08	1.96	0.95	1.383	0.85	22.29	NoLiq	9.46	31.74	0.50
23.65	13.97	1.96	0.95	1.386	0.85	22.09	NoLiq	9.42	31.51	0.50
23.70	13.86	1.96	0.95	1.389	0.85	21.89	NoLiq	9.38	31.27	0.50
23.75	13.75	1.96	0.95	1.392	0.85	21.70	NoLiq	9.34	31.04	0.50
23.80	13.64	1.96	0.95	1.395	0.85	21.50	NoLiq	9.30	30.80	0.50
23.85	13.53	1.96	0.95	1.398	0.85	21.31	NoLiq	9.26	30.57	0.50
23.90	13.42	1.96	0.95	1.400	0.85	21.11	NoLiq	9.22	30.33	0.50
23.95	13.31	1.96	0.95	1.403	0.84	20.92	NoLiq	9.18	30.10	0.49
24.00	13.20	1.96	0.95	1.406	0.84	20.72	NoLiq	9.14	29.87	0.44
24.05	13.09	1.96	0.95	1.409	0.84	20.53	NoLiq	9.11	29.64	0.41
24.10	12.98	1.96	0.95	1.410	0.84	20.35	NoLiq	9.07	29.42	0.40
24.15	12.87	1.96	0.95	1.412	0.84	20.16	NoLiq	9.03	29.20	0.38
24.20	12.76	1.96	0.95	1.413	0.84	19.98	NoLiq	9.00	28.98	0.37
24.25	12.65	1.96	0.95	1.415	0.84	19.80	NoLiq	8.96	28.76	0.37
24.30	12.54	1.96	0.95	1.416	0.84	19.62	NoLiq	8.92	28.54	0.36
24.35	12.43	1.96	0.95	1.417	0.84	19.44	NoLiq	8.89	28.32	0.35
24.40	12.32	1.96	0.95	1.419	0.84	19.26	NoLiq	8.85	28.11	0.35
24.45	12.21	1.96	0.95	1.420	0.84	19.07	NoLiq	8.81	27.89	0.34
24.50	12.10	1.96	0.95	1.421	0.84	18.89	NoLiq	8.78	27.67	0.33
24.55	11.99	1.96	0.95	1.423	0.84	18.71	NoLiq	8.74	27.46	0.33
24.60	11.88	1.96	0.95	1.424	0.84	18.53	NoLiq	8.71	27.24	0.32
24.65	11.77	1.96	0.95	1.426	0.84	18.35	NoLiq	8.67	27.02	0.32
24.70	11.66	1.96	0.95	1.427	0.84	18.17	NoLiq	8.63	26.81	0.32
24.75	11.55	1.96	0.95	1.428	0.84	17.99	NoLiq	8.60	26.59	0.31
24.80	11.44	1.96	0.95	1.430	0.84	17.81	NoLiq	8.56	26.37	0.31
24.85	11.33	1.96	0.95	1.431	0.84	17.63	NoLiq	8.53	26.16	0.30
24.90	11.22	1.96	0.95	1.432	0.84	17.45	NoLiq	8.49	25.94	0.30
24.95	11.11	1.96	0.95	1.434	0.84	17.27	NoLiq	8.45	25.73	0.29
25.00	11.00	1.96	0.95	1.435	0.83	17.09	NoLiq	8.42	25.51	0.29
25.05	11.00	1.96	0.95	1.437	0.83	17.09	NoLiq	8.42	25.50	0.29
25.10	11.00	1.96	0.95	1.438	0.83	17.08	NoLiq	8.42	25.49	0.29
25.15	11.00	1.96	0.95	1.439	0.83	17.07	NoLiq	8.41	25.48	0.29
25.20	11.00	1.96	0.95	1.441	0.83	17.06	NoLiq	8.41	25.47	0.29
25.25	11.00	1.96	0.95	1.442	0.83	17.05	NoLiq	8.41	25.46	0.29
25.30	11.00	1.96	0.95	1.443	0.83	17.04	NoLiq	8.41	25.45	0.29
25.35	11.00	1.96	0.95	1.445	0.83	17.04	NoLiq	8.41	25.44	0.29
25.40	11.00	1.96	0.95	1.446	0.83	17.03	NoLiq	8.41	25.43	0.29
25.45	11.00	1.96	0.95	1.448	0.83	17.02	NoLiq	8.40	25.42	0.29
25.50	11.00	1.96	0.95	1.449	0.83	17.01	NoLiq	8.40	25.41	0.29
25.55	11.00	1.96	0.95	1.450	0.83	17.00	NoLiq	8.40	25.40	0.29
25.60	11.00	1.96	0.95	1.452	0.83	17.00	NoLiq	8.40	25.40	0.29
25.65	11.00	1.96	0.95	1.453	0.83	16.99	NoLiq	8.40	25.39	0.29
25.70	11.00	1.96	0.95	1.454	0.83	16.98	NoLiq	8.40	25.38	0.29
25.75	11.00	1.96	0.95	1.456	0.83	16.97	NoLiq	8.39	25.37	0.29
25.80	11.00	1.96	0.95	1.457	0.83	16.96	NoLiq	8.39	25.36	0.29
25.85	11.00	1.96	0.95	1.459	0.83	16.96	NoLiq	8.39	25.35	0.29
25.90	11.00	1.96	0.95	1.460	0.83	16.95	NoLiq	8.39	25.34	0.29
25.95	11.00	1.96	0.95	1.461	0.83	16.94	NoLiq	8.39	25.33	0.29
26.00	11.00	1.96	0.95	1.463	0.83	16.93	NoLiq	8.39	25.32	0.29

26.05	11.00	1.96	0.95	1.464	0.83	16.92	NoLiq	8.38	25.31	0.29
26.10	11.00	1.96	0.95	1.465	0.83	16.92	NoLiq	8.38	25.30	0.29
26.15	11.00	1.96	0.95	1.467	0.83	16.91	NoLiq	8.38	25.29	0.29
26.20	11.00	1.96	0.95	1.468	0.83	16.90	NoLiq	8.38	25.28	0.29
26.25	11.00	1.96	0.95	1.470	0.82	16.89	NoLiq	8.38	25.27	0.29
26.30	11.00	1.96	0.95	1.471	0.82	16.88	NoLiq	8.38	25.26	0.29
26.35	11.00	1.96	0.95	1.472	0.82	16.88	NoLiq	8.38	25.25	0.29
26.40	11.00	1.96	0.95	1.474	0.82	16.87	NoLiq	8.37	25.24	0.29
26.45	11.00	1.96	0.95	1.475	0.82	16.86	NoLiq	8.37	25.23	0.29
26.50	11.00	1.96	0.95	1.477	0.82	16.85	NoLiq	8.37	25.22	0.29
26.55	11.00	1.96	0.95	1.478	0.82	16.84	NoLiq	8.37	25.21	0.29
26.60	11.00	1.96	0.95	1.479	0.82	16.84	NoLiq	8.37	25.20	0.29
26.65	11.00	1.96	0.95	1.481	0.82	16.83	NoLiq	8.37	25.19	0.29
26.70	11.00	1.96	0.95	1.482	0.82	16.82	NoLiq	8.36	25.18	0.29
26.75	11.00	1.96	0.95	1.483	0.82	16.81	NoLiq	8.36	25.18	0.29
26.80	11.00	1.96	0.95	1.485	0.82	16.81	NoLiq	8.36	25.17	0.29
26.85	11.00	1.96	0.95	1.486	0.82	16.80	NoLiq	8.36	25.16	0.29
26.90	11.00	1.96	0.95	1.488	0.82	16.79	NoLiq	8.36	25.15	0.29
26.95	11.00	1.96	0.95	1.489	0.82	16.78	NoLiq	8.36	25.14	0.28
27.00	11.00	1.96	0.95	1.490	0.82	16.77	NoLiq	8.35	25.13	0.28
27.05	11.00	1.96	0.95	1.492	0.82	16.77	NoLiq	8.35	25.12	0.28
27.10	11.00	1.96	0.95	1.493	0.82	16.76	NoLiq	8.35	25.11	0.28
27.15	11.00	1.96	0.95	1.495	0.82	16.75	NoLiq	8.35	25.10	0.28
27.20	11.00	1.96	0.95	1.496	0.82	16.74	NoLiq	8.35	25.09	0.28
27.25	11.00	1.96	0.95	1.497	0.82	16.73	NoLiq	8.35	25.08	0.28
27.30	11.00	1.96	0.95	1.499	0.82	16.73	NoLiq	8.35	25.07	0.28
27.35	11.00	1.96	0.95	1.500	0.82	16.72	NoLiq	8.34	25.06	0.28
27.40	11.00	1.96	0.95	1.502	0.82	16.71	NoLiq	8.34	25.05	0.28
27.45	11.00	1.96	0.95	1.503	0.82	16.70	NoLiq	8.34	25.04	0.28
27.50	11.00	1.96	0.95	1.504	0.82	16.70	NoLiq	8.34	25.04	0.28
27.55	11.00	1.96	0.95	1.506	0.81	16.69	NoLiq	8.34	25.03	0.28
27.60	11.00	1.96	0.95	1.507	0.81	16.68	NoLiq	8.34	25.02	0.28
27.65	11.00	1.96	0.95	1.508	0.81	16.67	NoLiq	8.33	25.01	0.28
27.70	11.00	1.96	0.95	1.510	0.81	16.67	NoLiq	8.33	25.00	0.28
27.75	11.00	1.96	0.95	1.511	0.81	16.66	NoLiq	8.33	24.99	0.28
27.80	11.00	1.96	0.95	1.513	0.81	16.65	NoLiq	8.33	24.98	0.28
27.85	11.00	1.96	0.95	1.514	0.81	16.64	NoLiq	8.33	24.97	0.28
27.90	11.00	1.96	1.00	1.515	0.81	17.51	NoLiq	8.50	26.01	0.30
27.95	11.00	1.96	1.00	1.517	0.81	17.50	NoLiq	8.50	26.00	0.30
28.00	11.00	1.96	1.00	1.518	0.81	17.49	NoLiq	8.50	25.99	0.30
28.05	11.00	1.96	1.00	1.520	0.81	17.49	NoLiq	8.50	25.98	0.30
28.10	11.00	1.96	1.00	1.521	0.81	17.48	NoLiq	8.50	25.97	0.30
28.15	11.00	1.96	1.00	1.522	0.81	17.47	NoLiq	8.49	25.96	0.30
28.20	11.00	1.96	1.00	1.524	0.81	17.46	NoLiq	8.49	25.95	0.30
28.25	11.00	1.96	1.00	1.525	0.81	17.45	NoLiq	8.49	25.94	0.30
28.30	11.00	1.96	1.00	1.527	0.81	17.45	NoLiq	8.49	25.94	0.30
28.35	11.00	1.96	1.00	1.528	0.81	17.44	NoLiq	8.49	25.93	0.30
28.40	11.00	1.96	1.00	1.529	0.81	17.43	NoLiq	8.49	25.92	0.30
28.45	11.00	1.96	1.00	1.531	0.81	17.42	NoLiq	8.48	25.91	0.30
28.50	11.00	1.96	1.00	1.532	0.81	17.41	NoLiq	8.48	25.90	0.30
28.55	11.00	1.96	1.00	1.534	0.81	17.41	NoLiq	8.48	25.89	0.30
28.60	11.00	1.96	1.00	1.535	0.81	17.40	NoLiq	8.48	25.88	0.30
28.65	11.00	1.96	1.00	1.536	0.81	17.39	NoLiq	8.48	25.87	0.30
28.70	11.00	1.96	1.00	1.538	0.81	17.38	NoLiq	8.48	25.86	0.30
28.75	11.00	1.96	1.00	1.539	0.81	17.37	NoLiq	8.47	25.85	0.30
28.80	11.00	1.96	1.00	1.541	0.81	17.37	NoLiq	8.47	25.84	0.30
28.85	11.00	1.96	1.00	1.542	0.81	17.36	NoLiq	8.47	25.83	0.30
28.90	11.00	1.96	1.00	1.543	0.80	17.35	NoLiq	8.47	25.82	0.30
28.95	11.00	1.96	1.00	1.545	0.80	17.34	NoLiq	8.47	25.81	0.30
29.00	11.00	1.96	1.00	1.546	0.80	17.33	NoLiq	8.47	25.80	0.30
29.05	11.00	1.96	1.00	1.548	0.80	17.33	NoLiq	8.47	25.79	0.30
29.10	11.00	1.96	1.00	1.549	0.80	17.32	NoLiq	8.46	25.78	0.30
29.15	11.00	1.96	1.00	1.550	0.80	17.31	NoLiq	8.46	25.77	0.30
29.20	11.00	1.96	1.00	1.552	0.80	17.30	NoLiq	8.46	25.76	0.30
29.25	11.00	1.96	1.00	1.553	0.80	17.30	NoLiq	8.46	25.75	0.30
29.30	11.00	1.96	1.00	1.555	0.80	17.29	NoLiq	8.46	25.75	0.30
29.35	11.00	1.96	1.00	1.556	0.80	17.28	NoLiq	8.46	25.74	0.30
29.40	11.00	1.96	1.00	1.557	0.80	17.27	NoLiq	8.45	25.73	0.29
29.45	11.00	1.96	1.00	1.559	0.80	17.26	NoLiq	8.45	25.72	0.29
29.50	11.00	1.96	1.00	1.560	0.80	17.26	NoLiq	8.45	25.71	0.29
29.55	11.00	1.96	1.00	1.562	0.80	17.25	NoLiq	8.45	25.70	0.29
29.60	11.00	1.96	1.00	1.563	0.80	17.24	NoLiq	8.45	25.69	0.29
29.65	11.00	1.96	1.00	1.564	0.80	17.23	NoLiq	8.45	25.68	0.29

29.70	11.00	1.96	1.00	1.566	0.80	17.23	NoLiq	8.45	25.67	0.29
29.75	11.00	1.96	1.00	1.567	0.80	17.22	NoLiq	8.44	25.66	0.29
29.80	11.00	1.96	1.00	1.569	0.80	17.21	NoLiq	8.44	25.65	0.29
29.85	11.00	1.96	1.00	1.570	0.80	17.20	NoLiq	8.44	25.64	0.29
29.90	11.00	1.96	1.00	1.572	0.80	17.19	NoLiq	8.44	25.63	0.29
29.95	11.00	1.96	1.00	1.573	0.80	17.19	NoLiq	8.44	25.62	0.29
30.00	11.00	1.96	1.00	1.574	0.80	17.18	NoLiq	8.44	25.62	0.29
30.05	10.97	1.96	1.00	1.576	0.80	17.13	NoLiq	8.43	25.55	0.29
30.10	10.94	1.96	1.00	1.577	0.80	17.07	NoLiq	8.41	25.48	0.29
30.15	10.91	1.96	1.00	1.579	0.80	17.02	NoLiq	8.40	25.42	0.29
30.20	10.88	1.96	1.00	1.580	0.80	16.96	NoLiq	8.39	25.35	0.29
30.25	10.85	1.96	1.00	1.581	0.80	16.91	NoLiq	8.38	25.29	0.29
30.30	10.82	1.96	1.00	1.583	0.79	16.85	NoLiq	8.37	25.22	0.29
30.35	10.79	1.96	1.00	1.584	0.79	16.80	NoLiq	8.36	25.16	0.29
30.40	10.76	1.96	1.00	1.586	0.79	16.74	NoLiq	8.35	25.09	0.28
30.45	10.73	1.96	1.00	1.587	0.79	16.69	NoLiq	8.34	25.03	0.28
30.50	10.70	1.96	1.00	1.588	0.79	16.64	NoLiq	8.33	24.96	0.28
30.55	10.67	1.96	1.00	1.590	0.79	16.58	NoLiq	8.32	24.90	0.28
30.60	10.64	1.96	1.00	1.591	0.79	16.53	NoLiq	8.31	24.83	0.28
30.65	10.61	1.96	1.00	1.593	0.79	16.47	NoLiq	8.29	24.77	0.28
30.70	10.58	1.96	1.00	1.594	0.79	16.42	NoLiq	8.28	24.71	0.28
30.75	10.55	1.96	1.00	1.595	0.79	16.37	NoLiq	8.27	24.64	0.28
30.80	10.52	1.96	1.00	1.597	0.79	16.31	NoLiq	8.26	24.58	0.28
30.85	10.49	1.96	1.00	1.598	0.79	16.26	NoLiq	8.25	24.51	0.27
30.90	10.46	1.96	1.00	1.600	0.79	16.21	NoLiq	8.24	24.45	0.27
30.95	10.43	1.96	1.00	1.601	0.79	16.15	NoLiq	8.23	24.38	0.27
31.00	10.40	1.96	1.00	1.603	0.79	16.10	NoLiq	8.22	24.32	0.27
31.05	10.37	1.96	1.00	1.604	0.79	16.05	NoLiq	8.21	24.25	0.27
31.10	10.34	1.96	1.00	1.605	0.79	15.99	NoLiq	8.20	24.19	0.27
31.15	10.31	1.96	1.00	1.607	0.79	15.94	NoLiq	8.19	24.13	0.27
31.20	10.28	1.96	1.00	1.608	0.79	15.89	NoLiq	8.18	24.06	0.27
31.25	10.25	1.96	1.00	1.610	0.79	15.83	NoLiq	8.17	24.00	0.27
31.30	10.22	1.96	1.00	1.611	0.79	15.78	NoLiq	8.16	23.94	0.27
31.35	10.19	1.96	1.00	1.612	0.79	15.73	NoLiq	8.15	23.87	0.27
31.40	10.16	1.96	1.00	1.614	0.79	15.67	NoLiq	8.13	23.81	0.26
31.45	10.13	1.96	1.00	1.615	0.79	15.62	NoLiq	8.12	23.74	0.26
31.50	10.10	1.96	1.00	1.617	0.79	15.57	NoLiq	8.11	23.68	0.26
31.55	10.07	1.96	1.00	1.618	0.79	15.51	NoLiq	8.10	23.62	0.26
31.60	10.04	1.96	1.00	1.619	0.79	15.46	NoLiq	8.09	23.55	0.26
31.65	10.01	1.96	1.00	1.621	0.79	15.41	NoLiq	8.08	23.49	0.26
31.70	9.98	1.96	1.00	1.622	0.79	15.36	NoLiq	8.07	23.43	0.26
31.75	9.95	1.96	1.00	1.624	0.78	15.30	NoLiq	8.06	23.36	0.26
31.80	9.92	1.96	1.00	1.625	0.78	15.25	NoLiq	8.05	23.30	0.26
31.85	9.89	1.96	1.00	1.626	0.78	15.20	NoLiq	8.04	23.24	0.26
31.90	9.86	1.96	1.00	1.628	0.78	15.14	NoLiq	8.03	23.17	0.26
31.95	9.83	1.96	1.00	1.629	0.78	15.09	NoLiq	8.02	23.11	0.25
32.00	9.80	1.96	1.00	1.631	0.78	15.04	NoLiq	8.01	23.05	0.25
32.05	9.77	1.96	1.00	1.632	0.78	14.99	NoLiq	8.00	22.98	0.25
32.10	9.74	1.96	1.00	1.633	0.78	14.93	NoLiq	7.99	22.92	0.25
32.15	9.71	1.96	1.00	1.635	0.78	14.88	NoLiq	7.98	22.86	0.25
32.20	9.68	1.96	1.00	1.636	0.78	14.83	NoLiq	7.97	22.80	0.25
32.25	9.65	1.96	1.00	1.638	0.78	14.78	NoLiq	7.96	22.73	0.25
32.30	9.62	1.96	1.00	1.639	0.78	14.73	NoLiq	7.95	22.67	0.25
32.35	9.59	1.96	1.00	1.640	0.78	14.67	NoLiq	7.93	22.61	0.25
32.40	9.56	1.96	1.00	1.642	0.78	14.62	NoLiq	7.92	22.55	0.25
32.45	9.53	1.96	1.00	1.643	0.78	14.57	NoLiq	7.91	22.48	0.25
32.50	9.50	1.96	1.00	1.645	0.78	14.52	NoLiq	7.90	22.42	0.25
32.55	9.47	1.96	1.00	1.646	0.78	14.47	NoLiq	7.89	22.36	0.24
32.60	9.44	1.96	1.00	1.647	0.78	14.41	NoLiq	7.88	22.30	0.24
32.65	9.41	1.96	1.00	1.649	0.78	14.36	NoLiq	7.87	22.23	0.24
32.70	9.38	1.96	1.00	1.650	0.78	14.31	NoLiq	7.86	22.17	0.24
32.75	9.35	1.96	1.00	1.651	0.78	14.26	NoLiq	7.85	22.11	0.24
32.80	9.32	1.96	1.00	1.653	0.78	14.21	NoLiq	7.84	22.05	0.24
32.85	9.29	1.96	1.00	1.654	0.78	14.15	NoLiq	7.83	21.99	0.24
32.90	9.26	1.96	1.00	1.656	0.78	14.10	NoLiq	7.82	21.92	0.24
32.95	9.23	1.96	1.00	1.657	0.78	14.05	NoLiq	7.81	21.86	0.24
33.00	9.20	1.96	1.00	1.658	0.78	14.00	NoLiq	7.80	21.80	0.24
33.05	9.17	1.96	1.00	1.660	0.78	13.95	NoLiq	7.79	21.74	0.24
33.10	9.14	1.96	1.00	1.661	0.78	13.90	NoLiq	7.78	21.68	0.24
33.15	9.11	1.96	1.00	1.663	0.78	13.85	NoLiq	7.77	21.61	0.24
33.20	9.08	1.96	1.00	1.664	0.78	13.79	NoLiq	7.76	21.55	0.23
33.25	9.05	1.96	1.00	1.665	0.77	13.74	NoLiq	7.75	21.49	0.23
33.30	9.02	1.96	1.00	1.667	0.77	13.69	NoLiq	7.74	21.43	0.23

33.35	8.99	1.96	1.00	1.668	0.77	13.64	NoLiq	7.73	21.37	0.23
33.40	8.96	1.96	1.00	1.670	0.77	13.59	NoLiq	7.72	21.31	0.23
33.45	8.93	1.96	1.00	1.671	0.77	13.54	NoLiq	7.71	21.25	0.23
33.50	8.90	1.96	1.00	1.672	0.77	13.49	NoLiq	7.70	21.18	0.23
33.55	8.87	1.96	1.00	1.674	0.77	13.44	NoLiq	7.69	21.12	0.23
33.60	8.84	1.96	1.00	1.675	0.77	13.38	NoLiq	7.68	21.06	0.23
33.65	8.81	1.96	1.00	1.677	0.77	13.33	NoLiq	7.67	21.00	0.23
33.70	8.78	1.96	1.00	1.678	0.77	13.28	NoLiq	7.66	20.94	0.23
33.75	8.75	1.96	1.00	1.679	0.77	13.23	NoLiq	7.65	20.88	0.23
33.80	8.72	1.96	1.00	1.681	0.77	13.18	NoLiq	7.64	20.82	0.23
33.85	8.69	1.96	1.00	1.682	0.77	13.13	NoLiq	7.63	20.76	0.22
33.90	8.66	1.96	1.00	1.683	0.77	13.08	NoLiq	7.62	20.70	0.22
33.95	8.63	1.96	1.00	1.685	0.77	13.03	NoLiq	7.61	20.63	0.22
34.00	8.60	1.96	1.00	1.686	0.77	12.98	NoLiq	7.60	20.57	0.22
34.05	8.57	1.96	1.00	1.688	0.77	12.93	NoLiq	7.59	20.51	0.22
34.10	8.54	1.96	1.00	1.689	0.77	12.88	NoLiq	7.58	20.45	0.22
34.15	8.51	1.96	1.00	1.690	0.77	12.83	NoLiq	7.57	20.39	0.22
34.20	8.48	1.96	1.00	1.692	0.77	12.78	NoLiq	7.56	20.33	0.22
34.25	8.45	1.96	1.00	1.693	0.77	12.73	NoLiq	7.55	20.27	0.22
34.30	8.42	1.96	1.00	1.695	0.77	12.68	NoLiq	7.54	20.21	0.22
34.35	8.39	1.96	1.00	1.696	0.77	12.63	NoLiq	7.53	20.15	0.22
34.40	8.36	1.96	1.00	1.697	0.77	12.57	NoLiq	7.51	20.09	0.22
34.45	8.33	1.96	1.00	1.699	0.77	12.52	NoLiq	7.50	20.03	0.22
34.50	8.30	1.96	1.00	1.700	0.77	12.47	NoLiq	7.49	19.97	0.22
34.55	8.27	1.96	1.00	1.701	0.77	12.42	NoLiq	7.48	19.91	0.22
34.60	8.24	1.96	1.00	1.703	0.77	12.37	NoLiq	7.47	19.85	0.21
34.65	8.21	1.96	1.00	1.704	0.77	12.32	NoLiq	7.46	19.79	0.21
34.70	8.18	1.96	1.00	1.706	0.77	12.27	NoLiq	7.45	19.73	0.21
34.75	8.15	1.96	1.00	1.707	0.77	12.22	NoLiq	7.44	19.67	0.21
34.80	8.12	1.96	1.00	1.708	0.77	12.17	NoLiq	7.43	19.61	0.21
34.85	8.09	1.96	1.00	1.710	0.76	12.12	NoLiq	7.42	19.55	0.21
34.90	8.06	1.96	1.00	1.711	0.76	12.07	NoLiq	7.41	19.49	0.21
34.95	8.03	1.96	1.00	1.713	0.76	12.02	NoLiq	7.40	19.43	0.21
35.00	8.00	1.96	1.00	1.714	0.76	11.97	NoLiq	7.39	19.37	0.21
35.05	8.00	1.96	1.00	1.715	0.76	11.97	NoLiq	7.39	19.36	0.21
35.10	8.00	1.96	1.00	1.717	0.76	11.97	NoLiq	7.39	19.36	0.21
35.15	8.00	1.96	1.00	1.718	0.76	11.96	NoLiq	7.39	19.35	0.21
35.20	8.00	1.96	1.00	1.719	0.76	11.96	NoLiq	7.39	19.35	0.21
35.25	8.00	1.96	1.00	1.721	0.76	11.95	NoLiq	7.39	19.34	0.21
35.30	8.00	1.96	1.00	1.722	0.76	11.95	NoLiq	7.39	19.34	0.21
35.35	8.00	1.96	1.00	1.724	0.76	11.94	NoLiq	7.39	19.33	0.21
35.40	8.00	1.96	1.00	1.725	0.76	11.94	NoLiq	7.39	19.32	0.21
35.45	8.00	1.96	1.00	1.726	0.76	11.93	NoLiq	7.39	19.32	0.21
35.50	8.00	1.96	1.00	1.728	0.76	11.93	NoLiq	7.39	19.31	0.21
35.55	8.00	1.96	1.00	1.729	0.76	11.92	NoLiq	7.38	19.31	0.21
35.60	8.00	1.96	1.00	1.730	0.76	11.92	NoLiq	7.38	19.30	0.21
35.65	8.00	1.96	1.00	1.732	0.76	11.91	NoLiq	7.38	19.30	0.21
35.70	8.00	1.96	1.00	1.733	0.76	11.91	NoLiq	7.38	19.29	0.21
35.75	8.00	1.96	1.00	1.735	0.76	11.90	NoLiq	7.38	19.28	0.21
35.80	8.00	1.96	1.00	1.736	0.76	11.90	NoLiq	7.38	19.28	0.21
35.85	8.00	1.96	1.00	1.737	0.76	11.89	NoLiq	7.38	19.27	0.21
35.90	8.00	1.96	1.00	1.739	0.76	11.89	NoLiq	7.38	19.27	0.21
35.95	8.00	1.96	1.00	1.740	0.76	11.88	NoLiq	7.38	19.26	0.21
36.00	8.00	1.96	1.00	1.741	0.76	11.88	NoLiq	7.38	19.26	0.21
36.05	8.00	1.96	1.00	1.743	0.76	11.88	NoLiq	7.38	19.25	0.21
36.10	8.00	1.96	1.00	1.744	0.76	11.87	NoLiq	7.37	19.24	0.21
36.15	8.00	1.96	1.00	1.746	0.76	11.87	NoLiq	7.37	19.24	0.21
36.20	8.00	1.96	1.00	1.747	0.76	11.86	NoLiq	7.37	19.23	0.21
36.25	8.00	1.96	1.00	1.748	0.76	11.86	NoLiq	7.37	19.23	0.21
36.30	8.00	1.96	1.00	1.750	0.76	11.85	NoLiq	7.37	19.22	0.21
36.35	8.00	1.96	1.00	1.751	0.76	11.85	NoLiq	7.37	19.22	0.21
36.40	8.00	1.96	1.00	1.752	0.76	11.84	NoLiq	7.37	19.21	0.21
36.45	8.00	1.96	1.00	1.754	0.76	11.84	NoLiq	7.37	19.21	0.21
36.50	8.00	1.96	1.00	1.755	0.75	11.83	NoLiq	7.37	19.20	0.21
36.55	8.00	1.96	1.00	1.756	0.75	11.83	NoLiq	7.37	19.19	0.21
36.60	8.00	1.96	1.00	1.758	0.75	11.82	NoLiq	7.36	19.19	0.21
36.65	8.00	1.96	1.00	1.759	0.75	11.82	NoLiq	7.36	19.18	0.21
36.70	8.00	1.96	1.00	1.761	0.75	11.81	NoLiq	7.36	19.18	0.21
36.75	8.00	1.96	1.00	1.762	0.75	11.81	NoLiq	7.36	19.17	0.21
36.80	8.00	1.96	1.00	1.763	0.75	11.81	NoLiq	7.36	19.17	0.21
36.85	8.00	1.96	1.00	1.765	0.75	11.80	NoLiq	7.36	19.16	0.21
36.90	8.00	1.96	1.00	1.766	0.75	11.80	NoLiq	7.36	19.16	0.21
36.95	8.00	1.96	1.00	1.767	0.75	11.79	NoLiq	7.36	19.15	0.21

37.00	8.00	1.96	1.00	1.769	0.75	11.79	NoLiq	7.36	19.14	0.21
37.05	8.00	1.96	1.00	1.770	0.75	11.78	NoLiq	7.36	19.14	0.21
37.10	8.00	1.96	1.00	1.772	0.75	11.78	NoLiq	7.36	19.13	0.21
37.15	8.00	1.96	1.00	1.773	0.75	11.77	NoLiq	7.35	19.13	0.21
37.20	8.00	1.96	1.00	1.774	0.75	11.77	NoLiq	7.35	19.12	0.21
37.25	8.00	1.96	1.00	1.776	0.75	11.76	NoLiq	7.35	19.12	0.21
37.30	8.00	1.96	1.00	1.777	0.75	11.76	NoLiq	7.35	19.11	0.21
37.35	8.00	1.96	1.00	1.778	0.75	11.76	NoLiq	7.35	19.11	0.21
37.40	8.00	1.96	1.00	1.780	0.75	11.75	NoLiq	7.35	19.10	0.21
37.45	8.00	1.96	1.00	1.781	0.75	11.75	NoLiq	7.35	19.10	0.21
37.50	8.00	1.96	1.00	1.782	0.75	11.74	NoLiq	7.35	19.09	0.21
37.55	8.00	1.96	1.00	1.784	0.75	11.74	NoLiq	7.35	19.09	0.21
37.60	8.00	1.96	1.00	1.785	0.75	11.73	NoLiq	7.35	19.08	0.21
37.65	8.00	1.96	1.00	1.787	0.75	11.73	NoLiq	7.35	19.07	0.21
37.70	8.00	1.96	1.00	1.788	0.75	11.72	NoLiq	7.34	19.07	0.21
37.75	8.00	1.96	1.00	1.789	0.75	11.72	NoLiq	7.34	19.06	0.21
37.80	8.00	1.96	1.00	1.791	0.75	11.72	NoLiq	7.34	19.06	0.21
37.85	8.00	1.96	1.00	1.792	0.75	11.71	NoLiq	7.34	19.05	0.21
37.90	8.00	1.96	1.00	1.793	0.75	11.71	NoLiq	7.34	19.05	0.21
37.95	8.00	1.96	1.00	1.795	0.75	11.70	NoLiq	7.34	19.04	0.21
38.00	8.00	1.96	1.00	1.796	0.75	11.70	NoLiq	7.34	19.04	0.21
38.05	8.00	1.96	1.00	1.797	0.75	11.69	NoLiq	7.34	19.03	0.21
38.10	8.00	1.96	1.00	1.799	0.75	11.69	NoLiq	7.34	19.03	0.21
38.15	8.00	1.96	1.00	1.800	0.75	11.68	NoLiq	7.34	19.02	0.21
38.20	8.00	1.96	1.00	1.801	0.75	11.68	NoLiq	7.34	19.02	0.21
38.25	8.00	1.96	1.00	1.803	0.74	11.68	NoLiq	7.34	19.01	0.21
38.30	8.00	1.96	1.00	1.804	0.74	11.67	NoLiq	7.33	19.01	0.21
38.35	8.00	1.96	1.00	1.806	0.74	11.67	NoLiq	7.33	19.00	0.21
38.40	8.00	1.96	1.00	1.807	0.74	11.66	NoLiq	7.33	19.00	0.20
38.45	8.00	1.96	1.00	1.808	0.74	11.66	NoLiq	7.33	18.99	0.20
38.50	8.00	1.96	1.00	1.810	0.74	11.65	NoLiq	7.33	18.98	0.20
38.55	8.00	1.96	1.00	1.811	0.74	11.65	NoLiq	7.33	18.98	0.20
38.60	8.00	1.96	1.00	1.812	0.74	11.65	NoLiq	7.33	18.97	0.20
38.65	8.00	1.96	1.00	1.814	0.74	11.64	NoLiq	7.33	18.97	0.20
38.70	8.00	1.96	1.00	1.815	0.74	11.64	NoLiq	7.33	18.96	0.20
38.75	8.00	1.96	1.00	1.816	0.74	11.63	NoLiq	7.33	18.96	0.20
38.80	8.00	1.96	1.00	1.818	0.74	11.63	NoLiq	7.33	18.95	0.20
38.85	8.00	1.96	1.00	1.819	0.74	11.62	NoLiq	7.32	18.95	0.20
38.90	8.00	1.96	1.00	1.820	0.74	11.62	NoLiq	7.32	18.94	0.20
38.95	8.00	1.96	1.00	1.822	0.74	11.61	NoLiq	7.32	18.94	0.20
39.00	8.00	1.96	1.00	1.823	0.74	11.61	NoLiq	7.32	18.93	0.20
39.05	8.00	1.96	1.00	1.824	0.74	11.61	NoLiq	7.32	18.93	0.20
39.10	8.00	1.96	1.00	1.826	0.74	11.60	NoLiq	7.32	18.92	0.20
39.15	8.00	1.96	1.00	1.827	0.74	11.60	NoLiq	7.32	18.92	0.20
39.20	8.00	1.96	1.00	1.828	0.74	11.59	NoLiq	7.32	18.91	0.20
39.25	8.00	1.96	1.00	1.830	0.74	11.59	NoLiq	7.32	18.91	0.20
39.30	8.00	1.96	1.00	1.831	0.74	11.58	NoLiq	7.32	18.90	0.20
39.35	8.00	1.96	1.00	1.833	0.74	11.58	NoLiq	7.32	18.90	0.20
39.40	8.00	1.96	1.00	1.834	0.74	11.58	NoLiq	7.32	18.89	0.20
39.45	8.00	1.96	1.00	1.835	0.74	11.57	NoLiq	7.31	18.89	0.20
39.50	8.00	1.96	1.00	1.837	0.74	11.57	NoLiq	7.31	18.88	0.20
39.55	8.00	1.96	1.00	1.838	0.74	11.56	NoLiq	7.31	18.88	0.20
39.60	8.00	1.96	1.00	1.839	0.74	11.56	NoLiq	7.31	18.87	0.20
39.65	8.00	1.96	1.00	1.841	0.74	11.56	NoLiq	7.31	18.87	0.20
39.70	8.00	1.96	1.00	1.842	0.74	11.55	NoLiq	7.31	18.86	0.20
39.75	8.00	1.96	1.00	1.843	0.74	11.55	NoLiq	7.31	18.86	0.20
39.80	8.00	1.96	1.00	1.845	0.74	11.54	NoLiq	7.31	18.85	0.20
39.85	8.00	1.96	1.00	1.846	0.74	11.54	NoLiq	7.31	18.85	0.20
39.90	8.00	1.96	1.00	1.847	0.74	11.53	NoLiq	7.31	18.84	0.20
39.95	8.00	1.96	1.00	1.849	0.74	11.53	NoLiq	7.31	18.84	0.20
40.00	8.00	1.96	1.00	1.850	0.74	11.53	NoLiq	7.31	18.83	0.20
40.05	8.09	1.96	1.00	1.851	0.73	11.65	NoLiq	7.33	18.98	0.20
40.10	8.18	1.96	1.00	1.853	0.73	11.78	99.16	7.36	19.13	0.21
40.15	8.27	1.96	1.00	1.854	0.73	11.90	98.23	7.38	19.28	0.21
40.20	8.36	1.96	1.00	1.855	0.73	12.03	97.31	7.41	19.43	0.21
40.25	8.45	1.96	1.00	1.857	0.73	12.15	96.38	7.43	19.58	0.21
40.30	8.54	1.96	1.00	1.858	0.73	12.28	95.46	7.46	19.73	0.21
40.35	8.63	1.96	1.00	1.859	0.73	12.40	94.53	7.48	19.88	0.21
40.40	8.72	1.96	1.00	1.861	0.73	12.53	93.61	7.51	20.03	0.22
40.45	8.81	1.96	1.00	1.862	0.73	12.65	92.68	7.53	20.18	0.22
40.50	8.90	1.96	1.00	1.863	0.73	12.78	91.76	7.56	20.33	0.22
40.55	8.99	1.96	1.00	1.865	0.73	12.90	90.83	7.58	20.48	0.22
40.60	9.08	1.96	1.00	1.866	0.73	13.02	89.91	7.60	20.63	0.22

40.65	9.17	1.96	1.00	1.867	0.73	13.15	88.98	7.63	20.78	0.23
40.70	9.26	1.96	1.00	1.869	0.73	13.27	88.06	7.65	20.93	0.23
40.75	9.35	1.96	1.00	1.870	0.73	13.40	87.13	7.68	21.08	0.23
40.80	9.44	1.96	1.00	1.871	0.73	13.52	86.21	7.70	21.23	0.23
40.85	9.53	1.96	1.00	1.873	0.73	13.65	85.28	7.73	21.37	0.23
40.90	9.62	1.96	1.00	1.874	0.73	13.77	84.36	7.75	21.52	0.23
40.95	9.71	1.96	1.00	1.876	0.73	13.89	83.43	7.78	21.67	0.24
41.00	9.80	1.96	1.00	1.877	0.73	14.02	82.51	7.80	21.82	0.24
41.05	9.89	1.96	1.00	1.878	0.73	14.14	81.58	7.83	21.97	0.24
41.10	9.98	1.96	1.00	1.880	0.73	14.26	80.66	7.85	22.12	0.24
41.15	10.07	1.96	1.00	1.881	0.73	14.39	79.73	7.88	22.27	0.24
41.20	10.16	1.96	1.00	1.882	0.73	14.51	78.81	7.90	22.41	0.25
41.25	10.25	1.96	1.00	1.884	0.73	14.63	77.88	7.93	22.56	0.25
41.30	10.34	1.96	1.00	1.885	0.73	14.76	76.96	7.95	22.71	0.25
41.35	10.43	1.96	1.00	1.886	0.73	14.88	76.03	7.98	22.86	0.25
41.40	10.52	1.96	1.00	1.888	0.73	15.00	75.11	8.00	23.00	0.25
41.45	10.61	1.96	1.00	1.889	0.73	15.13	74.18	8.03	23.15	0.26
41.50	10.70	1.96	1.00	1.890	0.73	15.25	73.26	8.05	23.30	0.26
41.55	10.79	1.96	1.00	1.892	0.73	15.37	72.33	8.07	23.45	0.26
41.60	10.88	1.96	1.00	1.893	0.73	15.50	71.41	8.10	23.59	0.26
41.65	10.97	1.96	1.00	1.894	0.73	15.62	70.48	8.12	23.74	0.26
41.70	11.06	1.96	1.00	1.896	0.73	15.74	69.56	8.15	23.89	0.27
41.75	11.15	1.96	1.00	1.897	0.73	15.86	68.63	8.17	24.04	0.27
41.80	11.24	1.96	1.00	1.898	0.73	15.99	67.71	8.20	24.18	0.27
41.85	11.33	1.96	1.00	1.900	0.73	16.11	66.78	8.22	24.33	0.27
41.90	11.42	1.96	1.00	1.901	0.73	16.23	65.86	8.25	24.48	0.27
41.95	11.51	1.96	1.00	1.902	0.73	16.35	64.93	8.27	24.62	0.28
42.00	11.60	1.96	1.00	1.904	0.72	16.47	64.01	8.29	24.77	0.28
42.05	11.69	1.96	1.00	1.905	0.72	16.60	63.08	8.32	24.92	0.28
42.10	11.78	1.96	1.00	1.906	0.72	16.72	62.16	8.34	25.06	0.28
42.15	11.87	1.96	1.00	1.908	0.72	16.84	61.23	8.37	25.21	0.29
42.20	11.96	1.96	1.00	1.909	0.72	16.96	60.31	8.39	25.35	0.29
42.25	12.05	1.96	1.00	1.910	0.72	17.08	59.38	8.42	25.50	0.29
42.30	12.14	1.96	1.00	1.912	0.72	17.20	58.46	8.44	25.65	0.29
42.35	12.23	1.96	1.00	1.913	0.72	17.33	57.53	8.47	25.79	0.30
42.40	12.32	1.96	1.00	1.914	0.72	17.45	56.61	8.49	25.94	0.30
42.45	12.41	1.96	1.00	1.916	0.72	17.57	55.68	8.51	26.08	0.30
42.50	12.50	1.96	1.00	1.917	0.72	17.69	54.76	8.54	26.23	0.30
42.55	12.59	1.96	1.00	1.918	0.72	17.81	53.83	8.56	26.37	0.31
42.60	12.68	1.96	1.00	1.920	0.72	17.93	52.91	8.59	26.52	0.31
42.65	12.77	1.96	1.00	1.921	0.72	18.05	51.98	8.61	26.66	0.31
42.70	12.86	1.96	1.00	1.922	0.72	18.17	51.06	8.63	26.81	0.32
42.75	12.95	1.96	1.00	1.924	0.72	18.30	50.13	8.66	26.95	0.32
42.80	13.04	1.96	1.00	1.925	0.72	18.42	49.21	8.68	27.10	0.32
42.85	13.13	1.96	1.00	1.927	0.72	18.54	48.28	8.71	27.24	0.32
42.90	13.22	1.96	1.00	1.928	0.72	18.66	47.36	8.73	27.39	0.33
42.95	13.31	1.96	1.00	1.929	0.72	18.78	46.43	8.76	27.53	0.33
43.00	13.40	1.96	1.00	1.931	0.72	18.90	45.51	8.78	27.68	0.33
43.05	13.49	1.96	1.00	1.932	0.72	19.02	44.58	8.80	27.82	0.34
43.10	13.58	1.96	1.00	1.933	0.72	19.14	43.66	8.83	27.97	0.34
43.15	13.67	1.96	1.00	1.935	0.72	19.26	42.73	8.85	28.11	0.35
43.20	13.76	1.96	1.00	1.936	0.72	19.38	41.81	8.88	28.25	0.35
43.25	13.85	1.96	1.00	1.937	0.72	19.50	40.88	8.90	28.40	0.35
43.30	13.94	1.96	1.00	1.939	0.72	19.62	39.96	8.92	28.54	0.36
43.35	14.03	1.96	1.00	1.940	0.72	19.74	39.03	8.95	28.69	0.36
43.40	14.12	1.96	1.00	1.941	0.72	19.86	38.11	8.97	28.83	0.37
43.45	14.21	1.96	1.00	1.943	0.72	19.98	37.18	9.00	28.97	0.37
43.50	14.30	1.96	1.00	1.944	0.72	20.10	36.26	9.02	29.12	0.38
43.55	14.39	1.96	1.00	1.945	0.72	20.22	35.33	9.04	29.26	0.39
43.60	14.48	1.96	1.00	1.947	0.72	20.34	34.41	8.85	29.19	0.38
43.65	14.57	1.96	1.00	1.948	0.72	20.46	33.48	8.66	29.12	0.38
43.70	14.66	1.96	1.00	1.949	0.72	20.58	32.56	8.47	29.05	0.38
43.75	14.75	1.96	1.00	1.951	0.72	20.69	31.63	8.28	28.98	0.37
43.80	14.84	1.96	1.00	1.952	0.72	20.81	30.71	8.09	28.90	0.37
43.85	14.93	1.96	1.00	1.953	0.72	20.93	29.78	7.88	28.82	0.37
43.90	15.02	1.96	1.00	1.955	0.72	21.05	28.86	7.68	28.73	0.36
43.95	15.11	1.96	1.00	1.956	0.72	21.17	27.93	7.47	28.64	0.36
44.00	15.20	1.96	1.00	1.957	0.71	21.29	27.01	7.25	28.54	0.36
44.05	15.29	1.96	1.00	1.959	0.71	21.41	26.08	7.03	28.44	0.36
44.10	15.38	1.96	1.00	1.960	0.71	21.53	25.16	6.81	28.33	0.35
44.15	15.47	1.96	1.00	1.961	0.71	21.64	24.23	6.57	28.22	0.35
44.20	15.56	1.96	1.00	1.963	0.71	21.76	23.31	6.33	28.09	0.35
44.25	15.65	1.96	1.00	1.964	0.71	21.88	22.38	6.08	27.96	0.34

44.30	15.74	1.96	1.00	1.965	0.71	22.00	21.46	5.81	27.81	0.34
44.35	15.83	1.96	1.00	1.967	0.71	22.12	20.53	5.54	27.66	0.33
44.40	15.92	1.96	1.00	1.968	0.71	22.24	19.61	5.25	27.49	0.33
44.45	16.01	1.96	1.00	1.969	0.71	22.35	18.68	4.95	27.31	0.33
44.50	16.10	1.96	1.00	1.971	0.71	22.47	17.76	4.64	27.11	0.32
44.55	16.19	1.96	1.00	1.972	0.71	22.59	16.83	4.31	26.90	0.32
44.60	16.28	1.96	1.00	1.973	0.71	22.71	15.91	3.96	26.67	0.31
44.65	16.37	1.96	1.00	1.975	0.71	22.83	14.98	3.59	26.41	0.31
44.70	16.46	1.96	1.00	1.976	0.71	22.94	14.06	3.20	26.15	0.30
44.75	16.55	1.96	1.00	1.977	0.71	23.06	13.13	2.80	25.86	0.30
44.80	16.64	1.96	1.00	1.979	0.71	23.18	12.21	2.38	25.56	0.29
44.85	16.73	1.96	1.00	1.980	0.71	23.30	11.28	1.96	25.25	0.29
44.90	16.82	1.96	1.00	1.982	0.71	23.41	10.36	1.54	24.95	0.28
44.95	16.91	1.96	1.00	1.983	0.71	23.53	9.43	1.13	24.66	0.28
45.00	17.00	1.96	1.00	1.984	0.71	23.65	8.51	0.77	24.42	0.27
45.05	17.00	1.96	1.00	1.986	0.71	23.64	8.50	0.77	24.41	0.27
45.10	17.00	1.96	1.00	1.987	0.71	23.63	8.50	0.77	24.40	0.27
45.15	17.00	1.96	1.00	1.988	0.71	23.63	8.50	0.77	24.39	0.27
45.20	17.00	1.96	1.00	1.990	0.71	23.62	8.50	0.77	24.39	0.27
45.25	17.00	1.96	1.00	1.991	0.71	23.61	8.50	0.77	24.38	0.27
45.30	17.00	1.96	1.00	1.992	0.71	23.60	8.50	0.77	24.37	0.27
45.35	17.00	1.96	1.00	1.994	0.71	23.59	8.50	0.77	24.36	0.27
45.40	17.00	1.96	1.00	1.995	0.71	23.59	8.50	0.77	24.35	0.27
45.45	17.00	1.96	1.00	1.996	0.71	23.58	8.50	0.77	24.35	0.27
45.50	17.00	1.96	1.00	1.998	0.71	23.57	8.50	0.77	24.34	0.27
45.55	17.00	1.96	1.00	1.999	0.71	23.56	8.50	0.77	24.33	0.27
45.60	17.00	1.96	1.00	2.000	0.71	23.55	8.50	0.77	24.32	0.27
45.65	17.00	1.96	1.00	2.002	0.71	23.55	8.50	0.77	24.31	0.27
45.70	17.00	1.96	1.00	2.003	0.71	23.54	8.50	0.77	24.30	0.27
45.75	17.00	1.96	1.00	2.005	0.71	23.53	8.50	0.77	24.30	0.27
45.80	17.00	1.96	1.00	2.006	0.71	23.52	8.50	0.77	24.29	0.27
45.85	17.00	1.96	1.00	2.007	0.71	23.51	8.50	0.77	24.28	0.27
45.90	17.00	1.96	1.00	2.009	0.71	23.51	8.50	0.77	24.27	0.27
45.95	17.00	1.96	1.00	2.010	0.71	23.50	8.50	0.77	24.26	0.27
46.00	17.00	1.96	1.00	2.011	0.71	23.49	8.50	0.77	24.26	0.27
46.05	17.00	1.96	1.00	2.013	0.70	23.48	8.50	0.77	24.25	0.27
46.10	17.00	1.96	1.00	2.014	0.70	23.47	8.50	0.77	24.24	0.27
46.15	17.00	1.96	1.00	2.016	0.70	23.46	8.50	0.77	24.23	0.27
46.20	17.00	1.96	1.00	2.017	0.70	23.46	8.50	0.77	24.22	0.27
46.25	17.00	1.96	1.00	2.018	0.70	23.45	8.50	0.77	24.21	0.27
46.30	17.00	1.96	1.00	2.020	0.70	23.44	8.50	0.77	24.21	0.27
46.35	17.00	1.96	1.00	2.021	0.70	23.43	8.50	0.77	24.20	0.27
46.40	17.00	1.96	1.00	2.023	0.70	23.42	8.50	0.77	24.19	0.27
46.45	17.00	1.96	1.00	2.024	0.70	23.42	8.50	0.77	24.18	0.27
46.50	17.00	1.96	1.00	2.025	0.70	23.41	8.50	0.77	24.17	0.27
46.55	17.00	1.96	1.00	2.027	0.70	23.40	8.50	0.76	24.17	0.27
46.60	17.00	1.96	1.00	2.028	0.70	23.39	8.50	0.76	24.16	0.27
46.65	17.00	1.96	1.00	2.030	0.70	23.38	8.50	0.76	24.15	0.27
46.70	17.00	1.96	1.00	2.031	0.70	23.38	8.50	0.76	24.14	0.27
46.75	17.00	1.96	1.00	2.032	0.70	23.37	8.50	0.76	24.13	0.27
46.80	17.00	1.96	1.00	2.034	0.70	23.36	8.50	0.76	24.12	0.27
46.85	17.00	1.96	1.00	2.035	0.70	23.35	8.50	0.76	24.12	0.27
46.90	17.00	1.96	1.00	2.037	0.70	23.34	8.50	0.76	24.11	0.27
46.95	17.00	1.96	1.00	2.038	0.70	23.34	8.50	0.76	24.10	0.27
47.00	17.00	1.96	1.00	2.039	0.70	23.33	8.50	0.76	24.09	0.27
47.05	17.00	1.96	1.00	2.041	0.70	23.32	8.50	0.76	24.08	0.27
47.10	17.00	1.96	1.00	2.042	0.70	23.31	8.50	0.76	24.07	0.27
47.15	17.00	1.96	1.00	2.044	0.70	23.30	8.50	0.76	24.07	0.27
47.20	17.00	1.96	1.00	2.045	0.70	23.29	8.50	0.76	24.06	0.27
47.25	17.00	1.96	1.00	2.047	0.70	23.29	8.50	0.76	24.05	0.27
47.30	17.00	1.96	1.00	2.048	0.70	23.28	8.50	0.76	24.04	0.27
47.35	17.00	1.96	1.00	2.049	0.70	23.27	8.50	0.76	24.03	0.27
47.40	17.00	1.96	1.00	2.051	0.70	23.26	8.50	0.76	24.03	0.27
47.45	17.00	1.96	1.00	2.052	0.70	23.25	8.50	0.76	24.02	0.27
47.50	17.00	1.96	1.00	2.054	0.70	23.25	8.50	0.76	24.01	0.27
47.55	17.00	1.96	1.00	2.055	0.70	23.24	8.50	0.76	24.00	0.27
47.60	17.00	1.96	1.00	2.057	0.70	23.23	8.50	0.76	23.99	0.27
47.65	17.00	1.96	1.00	2.058	0.70	23.22	8.50	0.76	23.98	0.27
47.70	17.00	1.96	1.00	2.059	0.70	23.21	8.50	0.76	23.98	0.27
47.75	17.00	1.96	1.00	2.061	0.70	23.21	8.50	0.76	23.97	0.27
47.80	17.00	1.96	1.00	2.062	0.70	23.20	8.50	0.76	23.96	0.27
47.85	17.00	1.96	1.00	2.064	0.70	23.19	8.50	0.76	23.95	0.27
47.90	17.00	1.96	1.00	2.065	0.70	23.18	8.50	0.76	23.94	0.27

47.95	17.00	1.96	1.00	2.067	0.70	23.17	8.50	0.76	23.93	0.27
48.00	17.00	1.96	1.00	2.068	0.70	23.16	8.50	0.76	23.93	0.27
48.05	17.00	1.96	1.00	2.070	0.70	23.16	8.50	0.76	23.92	0.27
48.10	17.00	1.96	1.00	2.071	0.69	23.15	8.50	0.76	23.91	0.27
48.15	17.00	1.96	1.00	2.073	0.69	23.14	8.50	0.76	23.90	0.27
48.20	17.00	1.96	1.00	2.074	0.69	23.13	8.50	0.76	23.89	0.27
48.25	17.00	1.96	1.00	2.075	0.69	23.12	8.50	0.76	23.88	0.27
48.30	17.00	1.96	1.00	2.077	0.69	23.12	8.50	0.76	23.88	0.27
48.35	17.00	1.96	1.00	2.078	0.69	23.11	8.50	0.76	23.87	0.27
48.40	17.00	1.96	1.00	2.080	0.69	23.10	8.50	0.76	23.86	0.27
48.45	17.00	1.96	1.00	2.081	0.69	23.09	8.50	0.76	23.85	0.27
48.50	17.00	1.96	1.00	2.083	0.69	23.08	8.50	0.76	23.84	0.26
48.55	17.00	1.96	1.00	2.084	0.69	23.07	8.50	0.76	23.83	0.26
48.60	17.00	1.96	1.00	2.086	0.69	23.07	8.50	0.76	23.83	0.26
48.65	17.00	1.96	1.00	2.087	0.69	23.06	8.50	0.76	23.82	0.26
48.70	17.00	1.96	1.00	2.089	0.69	23.05	8.50	0.76	23.81	0.26
48.75	17.00	1.96	1.00	2.090	0.69	23.04	8.50	0.76	23.80	0.26
48.80	17.00	1.96	1.00	2.092	0.69	23.03	8.50	0.76	23.79	0.26
48.85	17.00	1.96	1.00	2.093	0.69	23.03	8.50	0.76	23.78	0.26
48.90	17.00	1.96	1.00	2.095	0.69	23.02	8.50	0.76	23.78	0.26
48.95	17.00	1.96	1.00	2.096	0.69	23.01	8.50	0.76	23.77	0.26
49.00	17.00	1.96	1.00	2.098	0.69	23.00	8.50	0.76	23.76	0.26
49.05	17.00	1.96	1.00	2.099	0.69	22.99	8.50	0.76	23.75	0.26
49.10	17.00	1.96	1.00	2.101	0.69	22.98	8.50	0.76	23.74	0.26
49.15	17.00	1.96	1.00	2.102	0.69	22.98	8.50	0.76	23.73	0.26
49.20	17.00	1.96	1.00	2.104	0.69	22.97	8.50	0.76	23.73	0.26
49.25	17.00	1.96	1.00	2.105	0.69	22.96	8.50	0.76	23.72	0.26
49.30	17.00	1.96	1.00	2.107	0.69	22.95	8.50	0.76	23.71	0.26
49.35	17.00	1.96	1.00	2.108	0.69	22.94	8.50	0.76	23.70	0.26
49.40	17.00	1.96	1.00	2.110	0.69	22.94	8.50	0.76	23.69	0.26
49.45	17.00	1.96	1.00	2.111	0.69	22.93	8.50	0.76	23.68	0.26
49.50	17.00	1.96	1.00	2.113	0.69	22.92	8.50	0.76	23.68	0.26
49.55	17.00	1.96	1.00	2.114	0.69	22.91	8.50	0.76	23.67	0.26
49.60	17.00	1.96	1.00	2.116	0.69	22.90	8.50	0.76	23.66	0.26
49.65	17.00	1.96	1.00	2.117	0.69	22.89	8.50	0.76	23.65	0.26
49.70	17.00	1.96	1.00	2.119	0.69	22.89	8.50	0.76	23.64	0.26
49.75	17.00	1.96	1.00	2.120	0.69	22.88	8.50	0.76	23.63	0.26
49.80	17.00	1.96	1.00	2.122	0.69	22.87	8.50	0.76	23.63	0.26
49.85	17.00	1.96	1.00	2.123	0.69	22.86	8.50	0.76	23.62	0.26
49.90	17.00	1.96	1.00	2.125	0.69	22.85	8.50	0.76	23.61	0.26
49.95	17.00	1.96	1.00	2.126	0.69	22.84	8.50	0.76	23.60	0.26
50.00	17.00	1.96	1.00	2.128	0.69	22.84	8.50	0.76	23.59	0.26
50.05	17.27	1.96	1.00	2.130	0.69	23.19	8.50	0.76	23.95	0.27
50.10	17.54	1.96	1.00	2.131	0.69	23.54	8.50	0.77	24.31	0.27
50.15	17.81	1.96	1.00	2.133	0.68	23.90	8.50	0.77	24.67	0.28
50.20	18.08	1.96	1.00	2.134	0.68	24.25	8.50	0.78	25.03	0.28
50.25	18.35	1.96	1.00	2.136	0.68	24.60	8.50	0.78	25.38	0.29
50.30	18.62	1.96	1.00	2.137	0.68	24.96	8.50	0.79	25.74	0.30
50.35	18.89	1.96	1.00	2.139	0.68	25.31	8.50	0.79	26.10	0.30
50.40	19.16	1.96	1.00	2.140	0.68	25.66	8.50	0.80	26.46	0.31
50.45	19.43	1.96	1.00	2.142	0.68	26.01	8.50	0.80	26.82	0.32
50.50	19.70	1.96	1.00	2.143	0.68	26.37	8.50	0.81	27.17	0.32
50.55	19.97	1.96	1.00	2.145	0.68	26.72	8.50	0.81	27.53	0.33
50.60	20.24	1.96	1.00	2.146	0.68	27.07	8.50	0.82	27.89	0.34
50.65	20.51	1.96	1.00	2.148	0.68	27.42	8.50	0.82	28.24	0.35
50.70	20.78	1.96	1.00	2.149	0.68	27.77	8.50	0.83	28.60	0.36
50.75	21.05	1.96	1.00	2.151	0.68	28.12	8.50	0.83	28.96	0.37
50.80	21.32	1.96	1.00	2.153	0.68	28.47	8.50	0.84	29.31	0.39
50.85	21.59	1.96	1.00	2.154	0.68	28.82	8.50	0.85	29.67	0.41
50.90	21.86	1.96	1.00	2.156	0.68	29.17	8.50	0.85	30.02	0.46
50.95	22.13	1.96	1.00	2.157	0.68	29.52	8.50	0.86	30.38	0.50
51.00	22.40	1.96	1.00	2.159	0.68	29.87	8.50	0.86	30.73	0.50
51.05	22.67	1.96	1.00	2.160	0.68	30.22	8.50	0.87	31.09	0.50
51.10	22.94	1.96	1.00	2.162	0.68	30.57	8.50	0.87	31.44	0.50
51.15	23.21	1.96	1.00	2.163	0.68	30.92	8.50	0.88	31.80	0.50
51.20	23.48	1.96	1.00	2.165	0.68	31.27	8.50	0.88	32.15	0.50
51.25	23.75	1.96	1.00	2.166	0.68	31.62	8.50	0.89	32.50	0.50
51.30	24.02	1.96	1.00	2.168	0.68	31.97	8.50	0.89	32.86	0.50
51.35	24.29	1.96	1.00	2.169	0.68	32.31	8.50	0.90	33.21	0.50
51.40	24.56	1.96	1.00	2.171	0.68	32.66	8.50	0.90	33.56	0.50
51.45	24.83	1.96	1.00	2.172	0.68	33.01	8.50	0.91	33.92	0.50
51.50	25.10	1.96	1.00	2.174	0.68	33.36	8.50	0.91	34.27	0.50
51.55	25.37	1.96	1.00	2.175	0.68	33.70	8.50	0.92	34.62	0.50

51.60	25.64	1.96	1.00	2.177	0.68	34.05	8.50	0.92	34.97	0.50
51.65	25.91	1.96	1.00	2.179	0.68	34.40	8.50	0.93	35.32	0.50
51.70	26.18	1.96	1.00	2.180	0.68	34.74	8.50	0.93	35.67	0.50
51.75	26.45	1.96	1.00	2.182	0.68	35.09	8.50	0.94	36.03	0.50
51.80	26.72	1.96	1.00	2.183	0.68	35.43	8.50	0.94	36.38	0.50
51.85	26.99	1.96	1.00	2.185	0.68	35.78	8.50	0.95	36.73	0.50
51.90	27.26	1.96	1.00	2.186	0.68	36.12	8.50	0.95	37.08	0.50
51.95	27.53	1.96	1.00	2.188	0.68	36.47	8.50	0.96	37.43	0.50
52.00	27.80	1.96	1.00	2.189	0.68	36.81	8.50	0.96	37.78	0.50
52.05	28.07	1.96	1.00	2.191	0.68	37.16	8.50	0.97	38.13	0.50
52.10	28.34	1.96	1.00	2.192	0.68	37.50	8.50	0.97	38.48	0.50
52.15	28.61	1.96	1.00	2.194	0.68	37.85	8.50	0.98	38.83	0.50
52.20	28.88	1.96	1.00	2.195	0.67	38.19	8.50	0.98	39.18	0.50
52.25	29.15	1.96	1.00	2.197	0.67	38.54	8.50	0.99	39.52	0.50
52.30	29.42	1.96	1.00	2.198	0.67	38.88	8.50	0.99	39.87	0.50
52.35	29.69	1.96	1.00	2.200	0.67	39.22	8.50	1.00	40.22	0.50
52.40	29.96	1.96	1.00	2.201	0.67	39.57	8.50	1.00	40.57	0.50
52.45	30.23	1.96	1.00	2.203	0.67	39.91	8.50	1.01	40.92	0.50
52.50	30.50	1.96	1.00	2.204	0.67	40.25	8.50	1.01	41.26	0.50
52.55	30.77	1.96	1.00	2.206	0.67	40.59	8.50	1.02	41.61	0.50
52.60	31.04	1.96	1.00	2.208	0.67	40.94	8.50	1.02	41.96	0.50
52.65	31.31	1.96	1.00	2.209	0.67	41.28	8.50	1.03	42.31	0.50
52.70	31.58	1.96	1.00	2.211	0.67	41.62	8.50	1.03	42.65	0.50
52.75	31.85	1.96	1.00	2.212	0.67	41.96	8.50	1.04	43.00	0.50
52.80	32.12	1.96	1.00	2.214	0.67	42.30	8.50	1.04	43.35	0.50
52.85	32.39	1.96	1.00	2.215	0.67	42.64	8.50	1.05	43.69	0.50
52.90	32.66	1.96	1.00	2.217	0.67	42.98	8.50	1.05	44.04	0.50
52.95	32.93	1.96	1.00	2.218	0.67	43.32	8.50	1.06	44.38	0.50
53.00	33.20	1.96	1.00	2.220	0.67	43.66	8.50	1.06	44.73	0.50
53.05	33.47	1.96	1.00	2.221	0.67	44.00	8.50	1.07	45.07	0.50
53.10	33.74	1.96	1.00	2.223	0.67	44.34	8.50	1.07	45.42	0.50
53.15	34.01	1.96	1.00	2.224	0.67	44.68	8.50	1.08	45.76	0.50
53.20	34.28	1.96	1.00	2.226	0.67	45.02	8.50	1.08	46.11	0.50
53.25	34.55	1.96	1.00	2.227	0.67	45.36	8.50	1.09	46.45	0.50
53.30	34.82	1.96	1.00	2.229	0.67	45.70	8.50	1.09	46.80	0.50
53.35	35.09	1.96	1.00	2.230	0.67	46.04	8.50	1.10	47.14	0.50
53.40	35.36	1.96	1.00	2.232	0.67	46.38	8.50	1.10	47.48	0.50
53.45	35.63	1.96	1.00	2.233	0.67	46.72	8.50	1.11	47.83	0.50
53.50	35.90	1.96	1.00	2.235	0.67	47.05	8.50	1.11	48.17	0.50
53.55	36.17	1.96	1.00	2.236	0.67	47.39	8.50	1.12	48.51	0.50
53.60	36.44	1.96	1.00	2.238	0.67	47.73	8.50	1.12	48.85	0.50
53.65	36.71	1.96	1.00	2.239	0.67	48.07	8.50	1.13	49.20	0.50
53.70	36.98	1.96	1.00	2.241	0.67	48.40	8.50	1.13	49.54	0.50
53.75	37.25	1.96	1.00	2.242	0.67	48.74	8.50	1.14	49.88	0.50
53.80	37.52	1.96	1.00	2.244	0.67	49.08	8.50	1.14	50.22	0.50
53.85	37.79	1.96	1.00	2.245	0.67	49.41	8.50	1.15	50.56	0.50
53.90	38.06	1.96	1.00	2.247	0.67	49.75	8.50	1.15	50.91	0.50
53.95	38.33	1.96	1.00	2.249	0.67	50.09	8.50	1.16	51.25	0.50
54.00	38.60	1.96	1.00	2.250	0.67	50.42	8.50	1.16	51.59	0.50
54.05	38.87	1.96	1.00	2.252	0.67	50.76	8.50	1.17	51.93	0.50
54.10	39.14	1.96	1.00	2.253	0.67	51.09	8.50	1.17	52.27	0.50
54.15	39.41	1.96	1.00	2.255	0.67	51.43	8.50	1.18	52.61	0.50
54.20	39.68	1.96	1.00	2.256	0.67	51.76	8.50	1.18	52.95	0.50
54.25	39.95	1.96	1.00	2.258	0.67	52.10	8.50	1.19	53.29	0.50
54.30	40.22	1.96	1.00	2.259	0.67	52.43	8.50	1.19	53.63	0.50
54.35	40.49	1.96	1.00	2.261	0.67	52.77	8.50	1.20	53.97	0.50
54.40	40.76	1.96	1.00	2.262	0.66	53.10	8.50	1.20	54.31	0.50
54.45	41.03	1.96	1.00	2.264	0.66	53.44	8.50	1.21	54.64	0.50
54.50	41.30	1.96	1.00	2.265	0.66	53.77	8.50	1.21	54.98	0.50
54.55	41.57	1.96	1.00	2.267	0.66	54.10	8.50	1.22	55.32	0.50
54.60	41.84	1.96	1.00	2.268	0.66	54.44	8.50	1.22	55.66	0.50
54.65	42.11	1.96	1.00	2.270	0.66	54.77	8.50	1.23	56.00	0.50
54.70	42.38	1.96	1.00	2.271	0.66	55.10	8.50	1.23	56.34	0.50
54.75	42.65	1.96	1.00	2.273	0.66	55.43	8.50	1.24	56.67	0.50
54.80	42.92	1.96	1.00	2.274	0.66	55.77	8.50	1.24	57.01	0.50
54.85	43.19	1.96	1.00	2.276	0.66	56.10	8.50	1.25	57.35	0.50
54.90	43.46	1.96	1.00	2.277	0.66	56.43	8.50	1.25	57.68	0.50
54.95	43.73	1.96	1.00	2.279	0.66	56.76	8.50	1.26	58.02	0.50
55.00	44.00	1.96	1.00	2.280	0.66	57.09	8.50	1.26	58.36	0.50
55.05	44.00	1.96	1.00	2.282	0.66	57.08	9.02	1.54	58.62	0.50
55.10	44.00	1.96	1.00	2.283	0.66	57.06	9.54	1.83	58.89	0.50
55.15	44.00	1.96	1.00	2.285	0.66	57.04	10.07	2.14	59.18	0.50
55.20	44.00	1.96	1.00	2.286	0.66	57.02	10.59	2.46	59.49	0.50

55.25	44.00	1.96	1.00	2.288	0.66	57.00	11.11	2.79	59.79	0.50
55.30	44.00	1.96	1.00	2.289	0.66	56.99	11.64	3.12	60.11	0.50
55.35	44.00	1.96	1.00	2.291	0.66	56.97	12.16	3.46	60.42	0.50
55.40	44.00	1.96	1.00	2.292	0.66	56.95	12.69	3.79	60.74	0.50
55.45	44.00	1.96	1.00	2.294	0.66	56.93	13.21	4.12	61.05	0.50
55.50	44.00	1.96	1.00	2.295	0.66	56.91	13.73	4.45	61.36	0.50
55.55	44.00	1.96	1.00	2.297	0.66	56.89	14.26	4.78	61.67	0.50
55.60	44.00	1.96	1.00	2.298	0.66	56.87	14.78	5.10	61.97	0.50
55.65	44.00	1.96	1.00	2.300	0.66	56.85	15.31	5.42	62.27	0.50
55.70	44.00	1.96	1.00	2.302	0.66	56.83	15.83	5.73	62.57	0.50
55.75	44.00	1.96	1.00	2.303	0.66	56.82	16.35	6.05	62.86	0.50
55.80	44.00	1.96	1.00	2.305	0.66	56.80	16.88	6.35	63.15	0.50
55.85	44.00	1.96	1.00	2.306	0.66	56.78	17.40	6.66	63.44	0.50
55.90	44.00	1.96	1.00	2.308	0.66	56.76	17.93	6.96	63.72	0.50
55.95	44.00	1.96	1.00	2.309	0.66	56.74	18.45	7.26	64.00	0.50
56.00	44.00	1.96	1.00	2.311	0.66	56.72	18.97	7.55	64.27	0.50
56.05	44.00	1.96	1.00	2.312	0.66	56.70	19.50	7.84	64.54	0.50
56.10	44.00	1.96	1.00	2.314	0.66	56.68	20.02	8.13	64.81	0.50
56.15	44.00	1.96	1.00	2.315	0.66	56.67	20.55	8.42	65.08	0.50
56.20	44.00	1.96	1.00	2.317	0.66	56.65	21.07	8.70	65.35	0.50
56.25	44.00	1.96	1.00	2.318	0.66	56.63	21.59	8.98	65.61	0.50
56.30	44.00	1.96	1.00	2.320	0.66	56.61	22.12	9.26	65.87	0.50
56.35	44.00	1.96	1.00	2.321	0.66	56.59	22.64	9.54	66.13	0.50
56.40	44.00	1.96	1.00	2.323	0.66	56.57	23.17	9.82	66.39	0.50
56.45	44.00	1.96	1.00	2.325	0.66	56.55	23.69	10.10	66.65	0.50
56.50	44.00	1.96	1.00	2.326	0.66	56.53	24.21	10.37	66.91	0.50
56.55	44.00	1.96	1.00	2.328	0.66	56.51	24.74	10.65	67.16	0.50
56.60	44.00	1.96	1.00	2.329	0.66	56.50	25.26	10.92	67.42	0.50
56.65	44.00	1.96	1.00	2.331	0.66	56.48	25.79	11.20	67.68	0.50
56.70	44.00	1.96	1.00	2.332	0.65	56.46	26.31	11.47	67.93	0.50
56.75	44.00	1.96	1.00	2.334	0.65	56.44	26.83	11.75	68.19	0.50
56.80	44.00	1.96	1.00	2.335	0.65	56.42	27.36	12.02	68.44	0.50
56.85	44.00	1.96	1.00	2.337	0.65	56.40	27.88	12.29	68.69	0.50
56.90	44.00	1.96	1.00	2.338	0.65	56.38	28.41	12.57	68.95	0.50
56.95	44.00	1.96	1.00	2.340	0.65	56.36	28.93	12.84	69.20	0.50
57.00	44.00	1.96	1.00	2.342	0.65	56.35	29.45	13.11	69.46	0.50
57.05	44.00	1.96	1.00	2.343	0.65	56.33	29.98	13.39	69.71	0.50
57.10	44.00	1.96	1.00	2.345	0.65	56.31	30.50	13.66	69.97	0.50
57.15	44.00	1.96	1.00	2.346	0.65	56.29	31.03	13.94	70.23	0.50
57.20	44.00	1.96	1.00	2.348	0.65	56.27	31.55	14.21	70.48	0.50
57.25	44.00	1.96	1.00	2.349	0.65	56.25	32.07	14.49	70.74	0.50
57.30	44.00	1.96	1.00	2.351	0.65	56.23	32.60	14.76	71.00	0.50
57.35	44.00	1.96	1.00	2.353	0.65	56.22	33.12	15.04	71.26	0.50
57.40	44.00	1.96	1.00	2.354	0.65	56.20	33.65	15.32	71.52	0.50
57.45	44.00	1.96	1.00	2.356	0.65	56.18	34.17	15.60	71.78	0.50
57.50	44.00	1.96	1.00	2.357	0.65	56.16	34.69	15.88	72.04	0.50
57.55	44.00	1.96	1.00	2.359	0.65	56.14	35.22	16.23	72.37	0.50
57.60	44.00	1.96	1.00	2.360	0.65	56.12	35.74	16.22	72.35	0.50
57.65	44.00	1.96	1.00	2.362	0.65	56.10	36.27	16.22	72.32	0.50
57.70	44.00	1.96	1.00	2.364	0.65	56.08	36.79	16.22	72.30	0.50
57.75	44.00	1.96	1.00	2.365	0.65	56.07	37.31	16.21	72.28	0.50
57.80	44.00	1.96	1.00	2.367	0.65	56.05	37.84	16.21	72.26	0.50
57.85	44.00	1.96	1.00	2.368	0.65	56.03	38.36	16.21	72.23	0.50
57.90	44.00	1.96	1.00	2.370	0.65	56.01	38.89	16.20	72.21	0.50
57.95	44.00	1.96	1.00	2.371	0.65	55.99	39.41	16.20	72.19	0.50
58.00	44.00	1.96	1.00	2.373	0.65	55.97	39.93	16.19	72.17	0.50
58.05	44.00	1.96	1.00	2.375	0.65	55.95	40.46	16.19	72.14	0.50
58.10	44.00	1.96	1.00	2.376	0.65	55.94	40.98	16.19	72.12	0.50
58.15	44.00	1.96	1.00	2.378	0.65	55.92	41.51	16.18	72.10	0.50
58.20	44.00	1.96	1.00	2.379	0.65	55.90	42.03	16.18	72.08	0.50
58.25	44.00	1.96	1.00	2.381	0.65	55.88	42.55	16.18	72.06	0.50
58.30	44.00	1.96	1.00	2.382	0.65	55.86	43.08	16.17	72.03	0.50
58.35	44.00	1.96	1.00	2.384	0.65	55.84	43.60	16.17	72.01	0.50
58.40	44.00	1.96	1.00	2.386	0.65	55.82	44.13	16.16	71.99	0.50
58.45	44.00	1.96	1.00	2.387	0.65	55.80	44.65	16.16	71.97	0.50
58.50	44.00	1.96	1.00	2.389	0.65	55.79	45.17	16.16	71.94	0.50
58.55	44.00	1.96	1.00	2.390	0.65	55.77	45.70	16.15	71.92	0.50
58.60	44.00	1.96	1.00	2.392	0.65	55.75	46.22	16.15	71.90	0.50
58.65	44.00	1.96	1.00	2.394	0.65	55.73	46.75	16.15	71.88	0.50
58.70	44.00	1.96	1.00	2.395	0.65	55.71	47.27	16.14	71.85	0.50
58.75	44.00	1.96	1.00	2.397	0.65	55.69	47.79	16.14	71.83	0.50
58.80	44.00	1.96	1.00	2.398	0.65	55.67	48.32	16.13	71.81	0.50
58.85	44.00	1.96	1.00	2.400	0.65	55.66	48.84	16.13	71.79	0.50

58.90	44.00	1.96	1.00	2.402	0.65	55.64	49.37	16.13	71.77	0.50
58.95	44.00	1.96	1.00	2.403	0.65	55.62	49.89	16.12	71.74	0.50
59.00	44.00	1.96	1.00	2.405	0.64	55.60	50.41	16.12	71.72	0.50
59.05	44.00	1.96	1.00	2.406	0.64	55.58	50.94	16.12	71.70	0.50
59.10	44.00	1.96	1.00	2.408	0.64	55.56	51.46	16.11	71.68	0.50
59.15	44.00	1.96	1.00	2.410	0.64	55.55	51.99	16.11	71.65	0.50
59.20	44.00	1.96	1.00	2.411	0.64	55.53	52.51	16.11	71.63	0.50
59.25	44.00	1.96	1.00	2.413	0.64	55.51	53.03	16.10	71.61	0.50
59.30	44.00	1.96	1.00	2.414	0.64	55.49	53.56	16.10	71.59	0.50
59.35	44.00	1.96	1.00	2.416	0.64	55.47	54.08	16.09	71.57	0.50
59.40	44.00	1.96	1.00	2.418	0.64	55.45	54.61	16.09	71.54	0.50
59.45	44.00	1.96	1.00	2.419	0.64	55.43	55.13	16.09	71.52	0.50
59.50	44.00	1.96	1.00	2.421	0.64	55.42	55.65	16.08	71.50	0.50
59.55	44.00	1.96	1.00	2.423	0.64	55.40	56.18	16.08	71.48	0.50
59.60	44.00	1.96	1.00	2.424	0.64	55.38	56.70	16.08	71.45	0.50
59.65	44.00	1.96	1.00	2.426	0.64	55.36	57.23	16.07	71.43	0.50
59.70	44.00	1.96	1.00	2.427	0.64	55.34	57.75	16.07	71.41	0.50
59.75	44.00	1.96	1.00	2.429	0.64	55.32	58.27	16.06	71.39	0.50
59.80	44.00	1.96	1.00	2.431	0.64	55.30	58.80	16.06	71.37	0.50
59.85	44.00	1.96	1.00	2.432	0.64	55.29	59.32	16.06	71.34	0.50
59.90	44.00	1.96	1.00	2.434	0.64	55.27	59.85	16.05	71.32	0.50
59.95	44.00	1.96	1.00	2.435	0.64	55.25	60.37	16.05	71.30	0.50
60.00	44.00	1.96	1.00	2.437	0.64	55.23	60.89	16.05	71.28	0.50
60.05	43.95	1.96	1.00	2.439	0.64	55.15	60.90	16.03	71.18	0.50
60.10	43.90	1.96	1.00	2.440	0.64	55.07	60.90	16.01	71.08	0.50
60.15	43.85	1.96	1.00	2.442	0.64	54.99	60.90	16.00	70.99	0.50
60.20	43.80	1.96	1.00	2.444	0.64	54.91	60.90	15.98	70.89	0.50
60.25	43.75	1.96	1.00	2.445	0.64	54.83	60.90	15.97	70.79	0.50
60.30	43.70	1.96	1.00	2.447	0.64	54.75	60.90	15.95	70.70	0.50
60.35	43.65	1.96	1.00	2.448	0.64	54.67	60.90	15.93	70.60	0.50
60.40	43.60	1.96	1.00	2.450	0.64	54.59	60.90	15.92	70.50	0.50
60.45	43.55	1.96	1.00	2.452	0.64	54.50	60.90	15.90	70.41	0.50
60.50	43.50	1.96	1.00	2.453	0.64	54.42	60.90	15.88	70.31	0.50
60.55	43.45	1.96	1.00	2.455	0.64	54.34	60.90	15.87	70.21	0.50
60.60	43.40	1.96	1.00	2.456	0.64	54.26	60.90	15.85	70.12	0.50
60.65	43.35	1.96	1.00	2.458	0.64	54.18	60.90	15.84	70.02	0.50
60.70	43.30	1.96	1.00	2.460	0.64	54.10	60.90	15.82	69.93	0.50
60.75	43.25	1.96	1.00	2.461	0.64	54.02	60.90	15.80	69.83	0.50
60.80	43.20	1.96	1.00	2.463	0.64	53.94	60.90	15.79	69.73	0.50
60.85	43.15	1.96	1.00	2.464	0.64	53.87	60.90	15.77	69.64	0.50
60.90	43.10	1.96	1.00	2.466	0.64	53.79	60.90	15.76	69.54	0.50
60.95	43.05	1.96	1.00	2.467	0.64	53.71	60.90	15.74	69.45	0.50
61.00	43.00	1.96	1.00	2.469	0.64	53.63	60.90	15.73	69.35	0.50
61.05	42.95	1.96	1.00	2.471	0.64	53.55	60.90	15.71	69.26	0.50
61.10	42.90	1.96	1.00	2.472	0.64	53.47	60.90	15.69	69.16	0.50
61.15	42.85	1.96	1.00	2.474	0.64	53.39	60.90	15.68	69.07	0.50
61.20	42.80	1.96	1.00	2.475	0.64	53.31	60.90	15.66	68.97	0.50
61.25	42.75	1.96	1.00	2.477	0.64	53.23	60.90	15.65	68.88	0.50
61.30	42.70	1.96	1.00	2.478	0.64	53.15	60.90	15.63	68.78	0.50
61.35	42.65	1.96	1.00	2.480	0.64	53.07	60.90	15.61	68.69	0.50
61.40	42.60	1.96	1.00	2.481	0.63	53.00	60.90	15.60	68.60	0.50
61.45	42.55	1.96	1.00	2.483	0.63	52.92	60.90	15.58	68.50	0.50
61.50	42.50	1.96	1.00	2.484	0.63	52.84	60.90	15.57	68.41	0.50
61.55	42.45	1.96	1.00	2.486	0.63	52.76	60.90	15.55	68.31	0.50
61.60	42.40	1.96	1.00	2.487	0.63	52.68	60.90	15.54	68.22	0.50
61.65	42.35	1.96	1.00	2.489	0.63	52.61	60.90	15.52	68.13	0.50
61.70	42.30	1.96	1.00	2.490	0.63	52.53	60.90	15.51	68.03	0.50
61.75	42.25	1.96	1.00	2.492	0.63	52.45	60.90	15.49	67.94	0.50
61.80	42.20	1.96	1.00	2.493	0.63	52.37	60.90	15.47	67.85	0.50
61.85	42.15	1.96	1.00	2.495	0.63	52.29	60.90	15.46	67.75	0.50
61.90	42.10	1.96	1.00	2.496	0.63	52.22	60.90	15.44	67.66	0.50
61.95	42.05	1.96	1.00	2.498	0.63	52.14	60.90	15.43	67.57	0.50
62.00	42.00	1.96	1.00	2.499	0.63	52.06	60.90	15.41	67.47	0.50
62.05	41.95	1.96	1.00	2.501	0.63	51.98	60.90	15.40	67.38	0.50
62.10	41.90	1.96	1.00	2.502	0.63	51.91	60.90	15.38	67.29	0.50
62.15	41.85	1.96	1.00	2.504	0.63	51.83	60.90	15.37	67.20	0.50
62.20	41.80	1.96	1.00	2.505	0.63	51.75	60.90	15.35	67.10	0.50
62.25	41.75	1.96	1.00	2.507	0.63	51.68	60.90	15.34	67.01	0.50
62.30	41.70	1.96	1.00	2.508	0.63	51.60	60.90	15.32	66.92	0.50
62.35	41.65	1.96	1.00	2.510	0.63	51.52	60.90	15.30	66.83	0.50
62.40	41.60	1.96	1.00	2.511	0.63	51.44	60.90	15.29	66.73	0.50
62.45	41.55	1.96	1.00	2.512	0.63	51.37	60.90	15.27	66.64	0.50
62.50	41.50	1.96	1.00	2.514	0.63	51.29	60.90	15.26	66.55	0.50

62.55	41.45	1.96	1.00	2.515	0.63	51.22	60.90	15.24	66.46	0.50
62.60	41.40	1.96	1.00	2.517	0.63	51.14	60.90	15.23	66.37	0.50
62.65	41.35	1.96	1.00	2.518	0.63	51.06	60.90	15.21	66.28	0.50
62.70	41.30	1.96	1.00	2.520	0.63	50.99	60.90	15.20	66.18	0.50
62.75	41.25	1.96	1.00	2.521	0.63	50.91	60.90	15.18	66.09	0.50
62.80	41.20	1.96	1.00	2.522	0.63	50.83	60.90	15.17	66.00	0.50
62.85	41.15	1.96	1.00	2.524	0.63	50.76	60.90	15.15	65.91	0.50
62.90	41.10	1.96	1.00	2.525	0.63	50.68	60.90	15.14	65.82	0.50
62.95	41.05	1.96	1.00	2.527	0.63	50.61	60.90	15.12	65.73	0.50
63.00	41.00	1.96	1.00	2.528	0.63	50.53	60.90	15.11	65.64	0.50
63.05	40.95	1.96	1.00	2.530	0.63	50.46	60.90	15.09	65.55	0.50
63.10	40.90	1.96	1.00	2.531	0.63	50.38	60.90	15.08	65.46	0.50
63.15	40.85	1.96	1.00	2.532	0.63	50.30	60.90	15.06	65.37	0.50
63.20	40.80	1.96	1.00	2.534	0.63	50.23	60.90	15.05	65.27	0.50
63.25	40.75	1.96	1.00	2.535	0.63	50.15	60.90	15.03	65.18	0.50
63.30	40.70	1.96	1.00	2.537	0.63	50.08	60.90	15.02	65.09	0.50
63.35	40.65	1.96	1.00	2.538	0.63	50.00	60.90	15.00	65.00	0.50
63.40	40.60	1.96	1.00	2.539	0.63	49.93	60.90	14.99	64.91	0.50
63.45	40.55	1.96	1.00	2.541	0.63	49.85	60.90	14.97	64.82	0.50
63.50	40.50	1.96	1.00	2.542	0.63	49.78	60.90	14.96	64.73	0.50
63.55	40.45	1.96	1.00	2.543	0.63	49.70	60.90	14.94	64.64	0.50
63.60	40.40	1.96	1.00	2.545	0.63	49.63	60.90	14.93	64.55	0.50
63.65	40.35	1.96	1.00	2.546	0.63	49.55	60.90	14.91	64.47	0.50
63.70	40.30	1.96	1.00	2.547	0.63	49.48	60.90	14.90	64.38	0.50
63.75	40.25	1.96	1.00	2.549	0.63	49.41	60.90	14.88	64.29	0.50
63.80	40.20	1.96	1.00	2.550	0.63	49.33	60.90	14.87	64.20	0.50
63.85	40.15	1.96	1.00	2.551	0.63	49.26	60.90	14.85	64.11	0.50
63.90	40.10	1.96	1.00	2.553	0.63	49.18	60.90	14.84	64.02	0.50
63.95	40.05	1.96	1.00	2.554	0.63	49.11	60.90	14.82	63.93	0.50
64.00	40.00	1.96	1.00	2.555	0.63	49.03	60.90	14.81	63.84	0.50
64.05	39.95	1.96	1.00	2.557	0.63	48.96	60.90	14.79	63.75	0.50
64.10	39.90	1.96	1.00	2.558	0.63	48.89	60.90	14.78	63.66	0.50
64.15	39.85	1.96	1.00	2.559	0.63	48.81	60.90	14.76	63.57	0.50
64.20	39.80	1.96	1.00	2.561	0.62	48.74	60.90	14.75	63.49	0.50
64.25	39.75	1.96	1.00	2.562	0.62	48.66	60.90	14.73	63.40	0.50
64.30	39.70	1.96	1.00	2.563	0.62	48.59	60.90	14.72	63.31	0.50
64.35	39.65	1.96	1.00	2.565	0.62	48.52	60.90	14.70	63.22	0.50
64.40	39.60	1.96	1.00	2.566	0.62	48.44	60.90	14.69	63.13	0.50
64.45	39.55	1.96	1.00	2.567	0.62	48.37	60.90	14.67	63.04	0.50
64.50	39.50	1.96	1.00	2.569	0.62	48.30	60.90	14.66	62.96	0.50
64.55	39.45	1.96	1.00	2.570	0.62	48.22	60.90	14.64	62.87	0.50
64.60	39.40	1.96	1.00	2.571	0.62	48.15	60.90	14.63	62.78	0.50
64.65	39.35	1.96	1.00	2.572	0.62	48.08	60.90	14.62	62.69	0.50
64.70	39.30	1.96	1.00	2.574	0.62	48.00	60.90	14.60	62.61	0.50
64.75	39.25	1.96	1.00	2.575	0.62	47.93	60.90	14.59	62.52	0.50
64.80	39.20	1.96	1.00	2.576	0.62	47.86	60.90	14.57	62.43	0.50
64.85	39.15	1.96	1.00	2.578	0.62	47.79	60.90	14.56	62.34	0.50
64.90	39.10	1.96	1.00	2.579	0.62	47.71	60.90	14.54	62.26	0.50
64.95	39.05	1.96	1.00	2.580	0.62	47.64	60.90	14.53	62.17	0.50
65.00	39.00	1.96	1.00	2.581	0.62	47.57	60.90	14.51	62.08	0.50
65.05	39.00	1.96	1.00	2.583	0.62	47.56	60.90	14.51	62.07	0.50
65.10	39.00	1.96	1.00	2.584	0.62	47.54	60.90	14.51	62.05	0.50
65.15	39.00	1.96	1.00	2.585	0.62	47.53	60.90	14.51	62.04	0.50
65.20	39.00	1.96	1.00	2.586	0.62	47.52	60.90	14.50	62.03	0.50
65.25	39.00	1.96	1.00	2.588	0.62	47.51	60.90	14.50	62.01	0.50
65.30	39.00	1.96	1.00	2.589	0.62	47.50	60.90	14.50	62.00	0.50
65.35	39.00	1.96	1.00	2.590	0.62	47.49	60.90	14.50	61.98	0.50
65.40	39.00	1.96	1.00	2.591	0.62	47.48	60.90	14.50	61.97	0.50
65.45	39.00	1.96	1.00	2.593	0.62	47.46	60.90	14.49	61.96	0.50
65.50	39.00	1.96	1.00	2.594	0.62	47.45	60.90	14.49	61.94	0.50
65.55	39.00	1.96	1.00	2.595	0.62	47.44	60.90	14.49	61.93	0.50
65.60	39.00	1.96	1.00	2.596	0.62	47.43	60.90	14.49	61.92	0.50
65.65	39.00	1.96	1.00	2.598	0.62	47.42	60.90	14.48	61.90	0.50
65.70	39.00	1.96	1.00	2.599	0.62	47.41	60.90	14.48	61.89	0.50
65.75	39.00	1.96	1.00	2.600	0.62	47.40	60.90	14.48	61.88	0.50
65.80	39.00	1.96	1.00	2.601	0.62	47.38	60.90	14.48	61.86	0.50
65.85	39.00	1.96	1.00	2.603	0.62	47.37	60.90	14.47	61.85	0.50
65.90	39.00	1.96	1.00	2.604	0.62	47.36	60.90	14.47	61.83	0.50
65.95	39.00	1.96	1.00	2.605	0.62	47.35	60.90	14.47	61.82	0.50
66.00	39.00	1.96	1.00	2.606	0.62	47.34	60.90	14.47	61.81	0.50
66.05	39.00	1.96	1.00	2.608	0.62	47.33	60.90	14.47	61.79	0.50
66.10	39.00	1.96	1.00	2.609	0.62	47.32	60.90	14.46	61.78	0.50
66.15	39.00	1.96	1.00	2.610	0.62	47.31	60.90	14.46	61.77	0.50

66.20	39.00	1.96	1.00	2.611	0.62	47.29	60.90	14.46	61.75	0.50
66.25	39.00	1.96	1.00	2.612	0.62	47.28	60.90	14.46	61.74	0.50
66.30	39.00	1.96	1.00	2.614	0.62	47.27	60.90	14.45	61.73	0.50
66.35	39.00	1.96	1.00	2.615	0.62	47.26	60.90	14.45	61.71	0.50
66.40	39.00	1.96	1.00	2.616	0.62	47.25	60.90	14.45	61.70	0.50
66.45	39.00	1.96	1.00	2.617	0.62	47.24	60.90	14.45	61.69	0.50
66.50	39.00	1.96	1.00	2.619	0.62	47.23	60.90	14.45	61.67	0.50
66.55	39.00	1.96	1.00	2.620	0.62	47.22	60.90	14.44	61.66	0.50
66.60	39.00	1.96	1.00	2.621	0.62	47.20	60.90	14.44	61.65	0.50
66.65	39.00	1.96	1.00	2.622	0.62	47.19	60.90	14.44	61.63	0.50
66.70	39.00	1.96	1.00	2.624	0.62	47.18	60.90	14.44	61.62	0.50
66.75	39.00	1.96	1.00	2.625	0.62	47.17	60.90	14.43	61.61	0.50
66.80	39.00	1.96	1.00	2.626	0.62	47.16	60.90	14.43	61.59	0.50
66.85	39.00	1.96	1.00	2.627	0.62	47.15	60.90	14.43	61.58	0.50
66.90	39.00	1.96	1.00	2.629	0.62	47.14	60.90	14.43	61.57	0.50
66.95	39.00	1.96	1.00	2.630	0.62	47.13	60.90	14.43	61.55	0.50
67.00	39.00	1.96	1.00	2.631	0.62	47.12	60.90	14.42	61.54	0.50
67.05	39.00	1.96	1.00	2.632	0.62	47.10	60.90	14.42	61.53	0.50
67.10	39.00	1.96	1.00	2.634	0.62	47.09	60.90	14.42	61.51	0.50
67.15	39.00	1.96	1.00	2.635	0.62	47.08	60.90	14.42	61.50	0.50
67.20	39.00	1.96	1.00	2.636	0.62	47.07	60.90	14.41	61.49	0.50
67.25	39.00	1.96	1.00	2.637	0.62	47.06	60.90	14.41	61.47	0.50
67.30	39.00	1.96	1.00	2.638	0.62	47.05	60.90	14.41	61.46	0.50
67.35	39.00	1.96	1.00	2.640	0.62	47.04	60.90	14.41	61.45	0.50
67.40	39.00	1.96	1.00	2.641	0.62	47.03	60.90	14.41	61.43	0.50
67.45	39.00	1.96	1.00	2.642	0.62	47.02	60.90	14.40	61.42	0.50
67.50	39.00	1.96	1.00	2.643	0.62	47.01	60.90	14.40	61.41	0.50
67.55	39.00	1.96	1.00	2.645	0.61	47.00	60.90	14.40	61.39	0.50
67.60	39.00	1.96	1.00	2.646	0.61	46.98	60.90	14.40	61.38	0.50
67.65	39.00	1.96	1.00	2.647	0.61	46.97	60.90	14.39	61.37	0.50
67.70	39.00	1.96	1.00	2.648	0.61	46.96	60.90	14.39	61.36	0.50
67.75	39.00	1.96	1.00	2.649	0.61	46.95	60.90	14.39	61.34	0.50
67.80	39.00	1.96	1.00	2.651	0.61	46.94	60.90	14.39	61.33	0.50
67.85	39.00	1.96	1.00	2.652	0.61	46.93	60.90	14.39	61.32	0.50
67.90	39.00	1.96	1.00	2.653	0.61	46.92	60.90	14.38	61.30	0.50
67.95	39.00	1.96	1.00	2.654	0.61	46.91	60.90	14.38	61.29	0.50
68.00	39.00	1.96	1.00	2.656	0.61	46.90	60.90	14.38	61.28	0.50
68.05	39.00	1.96	1.00	2.657	0.61	46.89	60.90	14.38	61.26	0.50
68.10	39.00	1.96	1.00	2.658	0.61	46.88	60.90	14.38	61.25	0.50
68.15	39.00	1.96	1.00	2.659	0.61	46.87	60.90	14.37	61.24	0.50
68.20	39.00	1.96	1.00	2.661	0.61	46.85	60.90	14.37	61.23	0.50
68.25	39.00	1.96	1.00	2.662	0.61	46.84	60.90	14.37	61.21	0.50
68.30	39.00	1.96	1.00	2.663	0.61	46.83	60.90	14.37	61.20	0.50
68.35	39.00	1.96	1.00	2.664	0.61	46.82	60.90	14.36	61.19	0.50
68.40	39.00	1.96	1.00	2.665	0.61	46.81	60.90	14.36	61.17	0.50
68.45	39.00	1.96	1.00	2.667	0.61	46.80	60.90	14.36	61.16	0.50
68.50	39.00	1.96	1.00	2.668	0.61	46.79	60.90	14.36	61.15	0.50
68.55	39.00	1.96	1.00	2.669	0.61	46.78	60.90	14.36	61.14	0.50
68.60	39.00	1.96	1.00	2.670	0.61	46.77	60.90	14.35	61.12	0.50
68.65	39.00	1.96	1.00	2.671	0.61	46.76	60.90	14.35	61.11	0.50
68.70	39.00	1.96	1.00	2.673	0.61	46.75	60.90	14.35	61.10	0.50
68.75	39.00	1.96	1.00	2.674	0.61	46.74	60.90	14.35	61.08	0.50
68.80	39.00	1.96	1.00	2.675	0.61	46.73	60.90	14.35	61.07	0.50
68.85	39.00	1.96	1.00	2.676	0.61	46.72	60.90	14.34	61.06	0.50
68.90	39.00	1.96	1.00	2.678	0.61	46.70	60.90	14.34	61.05	0.50
68.95	39.00	1.96	1.00	2.679	0.61	46.69	60.90	14.34	61.03	0.50
69.00	39.00	1.96	1.00	2.680	0.61	46.68	60.90	14.34	61.02	0.50
69.05	39.00	1.96	1.00	2.681	0.61	46.67	60.90	14.33	61.01	0.50
69.10	39.00	1.96	1.00	2.682	0.61	46.66	60.90	14.33	60.99	0.50
69.15	39.00	1.96	1.00	2.684	0.61	46.65	60.90	14.33	60.98	0.50
69.20	39.00	1.96	1.00	2.685	0.61	46.64	60.90	14.33	60.97	0.50
69.25	39.00	1.96	1.00	2.686	0.61	46.63	60.90	14.33	60.96	0.50
69.30	39.00	1.96	1.00	2.687	0.61	46.62	60.90	14.32	60.94	0.50
69.35	39.00	1.96	1.00	2.688	0.61	46.61	60.90	14.32	60.93	0.50
69.40	39.00	1.96	1.00	2.690	0.61	46.60	60.90	14.32	60.92	0.50
69.45	39.00	1.96	1.00	2.691	0.61	46.59	60.90	14.32	60.91	0.50
69.50	39.00	1.96	1.00	2.692	0.61	46.58	60.90	14.32	60.89	0.50
69.55	39.00	1.96	1.00	2.693	0.61	46.57	60.90	14.31	60.88	0.50
69.60	39.00	1.96	1.00	2.695	0.61	46.56	60.90	14.31	60.87	0.50
69.65	39.00	1.96	1.00	2.696	0.61	46.55	60.90	14.31	60.86	0.50
69.70	39.00	1.96	1.00	2.697	0.61	46.54	60.90	14.31	60.84	0.50
69.75	39.00	1.96	1.00	2.698	0.61	46.53	60.90	14.31	60.83	0.50
69.80	39.00	1.96	1.00	2.699	0.61	46.52	60.90	14.30	60.82	0.50

69.85	39.00	1.96	1.00	2.701	0.61	46.51	60.90	14.30	60.81	0.50
69.90	39.00	1.96	1.00	2.702	0.61	46.49	60.90	14.30	60.79	0.50
69.95	39.00	1.96	1.00	2.703	0.61	46.48	60.90	14.30	60.78	0.50
70.00	39.00	1.96	1.00	2.704	0.61	46.47	60.90	14.29	60.77	0.50
70.05	39.00	1.96	1.00	2.705	0.61	46.46	60.90	14.29	60.76	0.50
70.10	39.00	1.96	1.00	2.707	0.61	46.45	60.90	14.29	60.74	0.50
70.15	39.00	1.96	1.00	2.708	0.61	46.44	60.90	14.29	60.73	0.50
70.20	39.00	1.96	1.00	2.709	0.61	46.43	60.90	14.29	60.72	0.50
70.25	39.00	1.96	1.00	2.710	0.61	46.42	60.90	14.28	60.71	0.50
70.30	39.00	1.96	1.00	2.711	0.61	46.41	60.90	14.28	60.69	0.50
70.35	39.00	1.96	1.00	2.713	0.61	46.40	60.90	14.28	60.68	0.50
70.40	39.00	1.96	1.00	2.714	0.61	46.39	60.90	14.28	60.67	0.50
70.45	39.00	1.96	1.00	2.715	0.61	46.38	60.90	14.28	60.66	0.50
70.50	39.00	1.96	1.00	2.716	0.61	46.37	60.90	14.27	60.65	0.50
70.55	39.00	1.96	1.00	2.717	0.61	46.36	60.90	14.27	60.63	0.50
70.60	39.00	1.96	1.00	2.719	0.61	46.35	60.90	14.27	60.62	0.50
70.65	39.00	1.96	1.00	2.720	0.61	46.34	60.90	14.27	60.61	0.50
70.70	39.00	1.96	1.00	2.721	0.61	46.33	60.90	14.27	60.60	0.50
70.75	39.00	1.96	1.00	2.722	0.61	46.32	60.90	14.26	60.58	0.50
70.80	39.00	1.96	1.00	2.723	0.61	46.31	60.90	14.26	60.57	0.50
70.85	39.00	1.96	1.00	2.725	0.61	46.30	60.90	14.26	60.56	0.50
70.90	39.00	1.96	1.00	2.726	0.61	46.29	60.90	14.26	60.55	0.50
70.95	39.00	1.96	1.00	2.727	0.61	46.28	60.90	14.26	60.54	0.50
71.00	39.00	1.96	1.00	2.728	0.61	46.27	60.90	14.25	60.52	0.50
71.05	39.00	1.96	1.00	2.729	0.61	46.26	60.90	14.25	60.51	0.50
71.10	39.00	1.96	1.00	2.731	0.61	46.25	60.90	14.25	60.50	0.50
71.15	39.00	1.96	1.00	2.732	0.61	46.24	60.90	14.25	60.49	0.50
71.20	39.00	1.96	1.00	2.733	0.60	46.23	60.90	14.25	60.48	0.50
71.25	39.00	1.96	1.00	2.734	0.60	46.22	60.90	14.24	60.46	0.50
71.30	39.00	1.96	1.00	2.735	0.60	46.21	60.90	14.24	60.45	0.50
71.35	39.00	1.96	1.00	2.736	0.60	46.20	60.90	14.24	60.44	0.50
71.40	39.00	1.96	1.00	2.738	0.60	46.19	60.90	14.24	60.43	0.50
71.45	39.00	1.96	1.00	2.739	0.60	46.18	60.90	14.24	60.42	0.50
71.50	39.00	1.96	1.00	2.740	0.60	46.17	60.90	14.23	60.40	0.50
71.55	39.00	1.96	1.00	2.741	0.60	46.16	60.90	14.23	60.39	0.50
71.60	39.00	1.96	1.00	2.742	0.60	46.15	60.90	14.23	60.38	0.50
71.65	39.00	1.96	1.00	2.744	0.60	46.14	60.90	14.23	60.37	0.50
71.70	39.00	1.96	1.00	2.745	0.60	46.13	60.90	14.23	60.36	0.50
71.75	39.00	1.96	1.00	2.746	0.60	46.12	60.90	14.22	60.34	0.50
71.80	39.00	1.96	1.00	2.747	0.60	46.11	60.90	14.22	60.33	0.50
71.85	39.00	1.96	1.00	2.748	0.60	46.10	60.90	14.22	60.32	0.50
71.90	39.00	1.96	1.00	2.749	0.60	46.09	60.90	14.22	60.31	0.50
71.95	39.00	1.96	1.00	2.751	0.60	46.08	60.90	14.22	60.30	0.50
72.00	39.00	1.96	1.00	2.752	0.60	46.07	60.90	14.21	60.29	0.50
72.05	39.00	1.96	1.00	2.753	0.60	46.06	60.90	14.21	60.27	0.50
72.10	39.00	1.96	1.00	2.754	0.60	46.05	60.90	14.21	60.26	0.50
72.15	39.00	1.96	1.00	2.755	0.60	46.04	60.90	14.21	60.25	0.50
72.20	39.00	1.96	1.00	2.756	0.60	46.03	60.90	14.21	60.24	0.50
72.25	39.00	1.96	1.00	2.758	0.60	46.02	60.90	14.20	60.23	0.50
72.30	39.00	1.96	1.00	2.759	0.60	46.01	60.90	14.20	60.21	0.50
72.35	39.00	1.96	1.00	2.760	0.60	46.00	60.90	14.20	60.20	0.50
72.40	39.00	1.96	1.00	2.761	0.60	45.99	60.90	14.20	60.19	0.50
72.45	39.00	1.96	1.00	2.762	0.60	45.98	60.90	14.20	60.18	0.50
72.50	39.00	1.96	1.00	2.763	0.60	45.97	60.90	14.19	60.17	0.50
72.55	39.00	1.96	1.00	2.765	0.60	45.96	60.90	14.19	60.16	0.50
72.60	39.00	1.96	1.00	2.766	0.60	45.95	60.90	14.19	60.14	0.50
72.65	39.00	1.96	1.00	2.767	0.60	45.94	60.90	14.19	60.13	0.50
72.70	39.00	1.96	1.00	2.768	0.60	45.93	60.90	14.19	60.12	0.50
72.75	39.00	1.96	1.00	2.769	0.60	45.93	60.90	14.19	60.11	0.50
72.80	39.00	1.96	1.00	2.770	0.60	45.92	60.90	14.18	60.10	0.50
72.85	39.00	1.96	1.00	2.772	0.60	45.91	60.90	14.18	60.09	0.50
72.90	39.00	1.96	1.00	2.773	0.60	45.90	60.90	14.18	60.08	0.50
72.95	39.00	1.96	1.00	2.774	0.60	45.89	60.90	14.18	60.06	0.50
73.00	39.00	1.96	1.00	2.775	0.60	45.88	60.90	14.18	60.05	0.50
73.05	39.00	1.96	1.00	2.776	0.60	45.87	60.90	14.17	60.04	0.50
73.10	39.00	1.96	1.00	2.777	0.60	45.86	60.90	14.17	60.03	0.50
73.15	39.00	1.96	1.00	2.779	0.60	45.85	60.90	14.17	60.02	0.50
73.20	39.00	1.96	1.00	2.780	0.60	45.84	60.90	14.17	60.01	0.50
73.25	39.00	1.96	1.00	2.781	0.60	45.83	60.90	14.17	60.00	0.50
73.30	39.00	1.96	1.00	2.782	0.60	45.82	60.90	14.16	59.98	0.50
73.35	39.00	1.96	1.00	2.783	0.60	45.81	60.90	14.16	59.97	0.50
73.40	39.00	1.96	1.00	2.784	0.60	45.80	60.90	14.16	59.96	0.50
73.45	39.00	1.96	1.00	2.785	0.60	45.79	60.90	14.16	59.95	0.50

73.50	39.00	1.96	1.00	2.787	0.60	45.78	60.90	14.16	59.94	0.50
73.55	39.00	1.96	1.00	2.788	0.60	45.77	60.90	14.15	59.93	0.50
73.60	39.00	1.96	1.00	2.789	0.60	45.76	60.90	14.15	59.92	0.50
73.65	39.00	1.96	1.00	2.790	0.60	45.75	60.90	14.15	59.90	0.50
73.70	39.00	1.96	1.00	2.791	0.60	45.74	60.90	14.15	59.89	0.50
73.75	39.00	1.96	1.00	2.792	0.60	45.74	60.90	14.15	59.88	0.50
73.80	39.00	1.96	1.00	2.793	0.60	45.73	60.90	14.15	59.87	0.50
73.85	39.00	1.96	1.00	2.795	0.60	45.72	60.90	14.14	59.86	0.50
73.90	39.00	1.96	1.00	2.796	0.60	45.71	60.90	14.14	59.85	0.50
73.95	39.00	1.96	1.00	2.797	0.60	45.70	60.90	14.14	59.84	0.50
74.00	39.00	1.96	1.00	2.798	0.60	45.69	60.90	14.14	59.83	0.50
74.05	39.00	1.96	1.00	2.799	0.60	45.68	60.90	14.14	59.82	0.50
74.10	39.00	1.96	1.00	2.800	0.60	45.67	60.90	14.13	59.80	0.50
74.15	39.00	1.96	1.00	2.801	0.60	45.66	60.90	14.13	59.79	0.50
74.20	39.00	1.96	1.00	2.803	0.60	45.65	60.90	14.13	59.78	0.50
74.25	39.00	1.96	1.00	2.804	0.60	45.64	60.90	14.13	59.77	0.50
74.30	39.00	1.96	1.00	2.805	0.60	45.63	60.90	14.13	59.76	0.50
74.35	39.00	1.96	1.00	2.806	0.60	45.62	60.90	14.12	59.75	0.50
74.40	39.00	1.96	1.00	2.807	0.60	45.61	60.90	14.12	59.74	0.50
74.45	39.00	1.96	1.00	2.808	0.60	45.61	60.90	14.12	59.73	0.50
74.50	39.00	1.96	1.00	2.809	0.60	45.60	60.90	14.12	59.72	0.50
74.55	39.00	1.96	1.00	2.810	0.60	45.59	60.90	14.12	59.70	0.50
74.60	39.00	1.96	1.00	2.812	0.60	45.58	60.90	14.12	59.69	0.50
74.65	39.00	1.96	1.00	2.813	0.60	45.57	60.90	14.11	59.68	0.50
74.70	39.00	1.96	1.00	2.814	0.60	45.56	60.90	14.11	59.67	0.50
74.75	39.00	1.96	1.00	2.815	0.60	45.55	60.90	14.11	59.66	0.50
74.80	39.00	1.96	1.00	2.816	0.60	45.54	60.90	14.11	59.65	0.50
74.85	39.00	1.96	1.00	2.817	0.60	45.53	60.90	14.11	59.64	0.50
74.90	39.00	1.96	1.00	2.818	0.60	45.52	60.90	14.10	59.63	0.50
74.95	39.00	1.96	1.00	2.819	0.60	45.51	60.90	14.10	59.62	0.50
75.00	39.00	1.96	1.00	2.821	0.60	45.51	60.90	14.10	59.61	0.50

CRR is based on water table at 24.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.77:

Depth ft	sigC' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	F.S.=CRRm/CSRfs
5.00	0.18	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.05	0.19	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.10	0.19	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.15	0.19	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.20	0.19	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.25	0.19	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.30	0.19	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.35	0.20	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.40	0.20	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.45	0.20	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.50	0.20	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.55	0.20	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.60	0.21	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.65	0.21	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.70	0.21	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.75	0.21	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.80	0.21	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.85	0.21	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.90	0.22	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
5.95	0.22	0.50	1.00	0.50	1.30	0.65	1.04	0.62 *
6.00	0.22	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.05	0.22	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.10	0.22	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.15	0.23	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.20	0.23	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.25	0.23	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.30	0.23	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.35	0.23	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.40	0.24	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.45	0.24	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.50	0.24	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.55	0.24	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.60	0.24	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.65	0.24	0.50	1.00	0.50	1.30	0.65	1.04	0.63 *
6.70	0.25	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *

6.75	0.25	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
6.80	0.25	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
6.85	0.25	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
6.90	0.25	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
6.95	0.26	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.00	0.26	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.05	0.26	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.10	0.26	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.15	0.26	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.20	0.27	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.25	0.27	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.30	0.27	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.35	0.27	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.40	0.27	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.45	0.28	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.50	0.28	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.55	0.28	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.60	0.28	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.65	0.28	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.70	0.28	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.75	0.29	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.80	0.29	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.85	0.29	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.90	0.29	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
7.95	0.29	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
8.00	0.30	0.50	1.00	0.50	1.30	0.65	1.03	0.63 *
8.05	0.30	0.50	1.00	0.50	1.30	0.65	1.02	0.63 *
8.10	0.30	0.50	1.00	0.50	1.30	0.65	1.02	0.63 *
8.15	0.30	0.50	1.00	0.50	1.30	0.65	1.02	0.63 *
8.20	0.30	0.50	1.00	0.50	1.30	0.65	1.02	0.63 *
8.25	0.31	0.50	1.00	0.50	1.30	0.65	1.02	0.63 *
8.30	0.31	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.35	0.31	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.40	0.31	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.45	0.31	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.50	0.32	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.55	0.32	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.60	0.32	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.65	0.32	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.70	0.32	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.75	0.33	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.80	0.33	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.85	0.33	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.90	0.33	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
8.95	0.33	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
9.00	0.34	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
9.05	0.34	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
9.10	0.34	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
9.15	0.34	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
9.20	0.34	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.25	0.35	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.30	0.35	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.35	0.35	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.40	0.35	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.45	0.35	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.50	0.36	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.55	0.36	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.60	0.36	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.65	0.36	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.70	0.36	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.75	0.37	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.80	0.37	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.85	0.37	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.90	0.37	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
9.95	0.37	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
10.00	0.38	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
10.05	0.38	0.50	1.00	0.50	1.30	0.65	1.01	0.65 *
10.10	0.38	0.50	1.00	0.50	1.30	0.65	1.01	0.65 *
10.15	0.38	0.50	1.00	0.50	1.30	0.65	1.01	0.65 *
10.20	0.38	0.50	1.00	0.50	1.30	0.65	1.01	0.65 *
10.25	0.39	0.50	1.00	0.50	1.30	0.65	1.01	0.65 *
10.30	0.39	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.35	0.39	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *

10.40	0.39	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.45	0.39	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.50	0.39	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.55	0.40	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.60	0.40	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.65	0.40	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.70	0.40	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.75	0.40	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.80	0.41	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.85	0.41	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.90	0.41	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
10.95	0.41	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.00	0.41	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.05	0.42	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.10	0.42	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.15	0.42	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.20	0.42	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.25	0.42	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.30	0.43	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.35	0.43	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.40	0.43	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.45	0.43	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.50	0.43	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.55	0.44	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.60	0.44	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
11.65	0.44	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
11.70	0.44	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
11.75	0.44	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
11.80	0.45	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
11.85	0.45	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
11.90	0.45	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
11.95	0.45	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
12.00	0.45	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
12.05	0.46	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
12.10	0.46	0.50	1.00	0.50	1.30	0.65	0.99	0.65 *
12.15	0.46	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.20	0.46	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.25	0.46	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.30	0.47	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.35	0.47	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.40	0.47	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.45	0.47	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.50	0.47	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.55	0.48	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.60	0.48	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.65	0.48	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.70	0.48	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.75	0.48	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.80	0.49	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.85	0.49	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.90	0.49	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
12.95	0.49	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
13.00	0.49	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
13.05	0.50	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
13.10	0.50	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
13.15	0.50	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
13.20	0.50	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
13.25	0.50	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
13.30	0.51	0.50	1.00	0.50	1.30	0.65	0.99	0.66 *
13.35	0.51	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.40	0.51	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.45	0.51	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.50	0.51	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.55	0.52	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.60	0.52	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.65	0.52	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.70	0.52	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.75	0.52	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.80	0.53	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.85	0.53	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.90	0.53	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
13.95	0.53	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.00	0.53	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *

14.05	0.54	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.10	0.54	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.15	0.54	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.20	0.54	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.25	0.54	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.30	0.55	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.35	0.55	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.40	0.55	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.45	0.55	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.50	0.55	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.55	0.56	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.60	0.56	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.65	0.56	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.70	0.56	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.75	0.56	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.80	0.56	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.85	0.57	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.90	0.57	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
14.95	0.57	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
15.00	0.57	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
15.05	0.57	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
15.10	0.58	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
15.15	0.58	0.50	1.00	0.50	1.30	0.65	0.98	0.66 *
15.20	0.58	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.25	0.58	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.30	0.58	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.35	0.59	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.40	0.59	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.45	0.59	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.50	0.59	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.55	0.59	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.60	0.60	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.65	0.60	0.50	1.00	0.50	1.30	0.65	0.98	0.67 *
15.70	0.60	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
15.75	0.60	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
15.80	0.60	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
15.85	0.61	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
15.90	0.61	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
15.95	0.61	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.00	0.61	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.05	0.61	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.10	0.62	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.15	0.62	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.20	0.62	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.25	0.62	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.30	0.62	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.35	0.63	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.40	0.63	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.45	0.63	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.50	0.63	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.55	0.63	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.60	0.63	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.65	0.64	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.70	0.64	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.75	0.64	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.80	0.64	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.85	0.64	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.90	0.65	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
16.95	0.65	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.00	0.65	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.05	0.65	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.10	0.65	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.15	0.66	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.20	0.66	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.25	0.66	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.30	0.66	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.35	0.66	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.40	0.67	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.45	0.67	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.50	0.67	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.55	0.67	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.60	0.67	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.65	0.68	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *

17.70	0.68	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.75	0.68	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.80	0.68	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.85	0.68	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.90	0.68	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
17.95	0.69	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.00	0.69	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.05	0.69	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.10	0.69	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.15	0.69	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.20	0.70	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.25	0.70	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.30	0.70	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.35	0.70	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.40	0.70	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.45	0.71	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.50	0.71	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.55	0.71	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.60	0.71	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.65	0.71	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.70	0.72	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.75	0.72	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.80	0.72	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.85	0.72	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.90	0.72	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
18.95	0.72	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.00	0.73	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.05	0.73	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.10	0.73	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.15	0.73	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.20	0.73	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.25	0.74	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.30	0.74	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.35	0.74	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.40	0.74	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.45	0.74	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.50	0.75	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.55	0.75	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.60	0.75	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.65	0.75	0.50	1.00	0.50	1.30	0.65	0.97	0.67 *
19.70	0.75	0.50	1.00	0.50	1.30	0.65	0.96	0.67 *
19.75	0.76	0.50	1.00	0.50	1.30	0.65	0.96	0.67 *
19.80	0.76	0.50	1.00	0.50	1.30	0.65	0.96	0.67 *
19.85	0.76	0.50	1.00	0.50	1.30	0.65	0.96	0.67 *
19.90	0.76	0.50	1.00	0.50	1.30	0.65	0.96	0.67 *
19.95	0.76	0.50	1.00	0.50	1.30	0.65	0.96	0.67 *
20.00	0.76	0.50	1.00	0.50	1.30	0.65	0.96	0.67 *
20.05	0.77	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.10	0.77	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.15	0.77	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.20	0.77	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.25	0.77	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.30	0.78	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.35	0.78	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.40	0.78	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.45	0.78	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.50	0.78	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.55	0.79	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.60	0.79	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.65	0.79	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.70	0.79	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.75	0.79	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.80	0.79	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.85	0.80	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.90	0.80	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
20.95	0.80	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.00	0.80	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.05	0.80	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.10	0.81	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.15	0.81	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.20	0.81	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.25	0.81	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.30	0.81	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^

21.35	0.82	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.40	0.82	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.45	0.82	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.50	0.82	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.55	0.82	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.60	0.82	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.65	0.83	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.70	0.83	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.75	0.83	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.80	0.83	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.85	0.83	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.90	0.84	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
21.95	0.84	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.00	0.84	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.05	0.84	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.10	0.84	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.15	0.85	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.20	0.85	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.25	0.85	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.30	0.85	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.35	0.85	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.40	0.85	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.45	0.86	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.50	0.86	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.55	0.86	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.60	0.86	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.65	0.86	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.70	0.87	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.75	0.87	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.80	0.87	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.85	0.87	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.90	0.87	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
22.95	0.87	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.00	0.88	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.05	0.88	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.10	0.88	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.15	0.88	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.20	0.88	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.25	0.89	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.30	0.89	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.35	0.89	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.40	0.89	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.45	0.89	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.50	0.90	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.55	0.90	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.60	0.90	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.65	0.90	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.70	0.90	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.75	0.90	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.80	0.91	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.85	0.91	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.90	0.91	0.50	1.00	0.50	1.30	2.00	0.96	5.00 ^
23.95	0.91	0.49	1.00	0.49	1.30	2.00	0.96	5.00 ^
24.00	0.91	0.44	1.00	0.44	1.30	2.00	0.96	5.00 ^
24.05	0.92	0.41	1.00	0.41	1.30	2.00	0.96	5.00 ^
24.10	0.92	0.40	1.00	0.40	1.30	2.00	0.96	5.00 ^
24.15	0.92	0.38	1.00	0.38	1.30	2.00	0.96	5.00 ^
24.20	0.92	0.37	1.00	0.37	1.30	2.00	0.96	5.00 ^
24.25	0.92	0.37	1.00	0.37	1.30	2.00	0.96	5.00 ^
24.30	0.92	0.36	1.00	0.36	1.30	2.00	0.96	5.00 ^
24.35	0.92	0.35	1.00	0.35	1.30	2.00	0.96	5.00 ^
24.40	0.92	0.35	1.00	0.35	1.30	2.00	0.96	5.00 ^
24.45	0.92	0.34	1.00	0.34	1.30	2.00	0.96	5.00 ^
24.50	0.92	0.33	1.00	0.33	1.30	2.00	0.96	5.00 ^
24.55	0.92	0.33	1.00	0.33	1.30	2.00	0.96	5.00 ^
24.60	0.93	0.32	1.00	0.32	1.30	2.00	0.96	5.00 ^
24.65	0.93	0.32	1.00	0.32	1.30	2.00	0.96	5.00 ^
24.70	0.93	0.32	1.00	0.32	1.30	2.00	0.96	5.00 ^
24.75	0.93	0.31	1.00	0.31	1.30	2.00	0.96	5.00 ^
24.80	0.93	0.31	1.00	0.31	1.30	2.00	0.96	5.00 ^
24.85	0.93	0.30	1.00	0.30	1.30	2.00	0.96	5.00 ^
24.90	0.93	0.30	1.00	0.30	1.30	2.00	0.96	5.00 ^
24.95	0.93	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^

25.00	0.93	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.05	0.93	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.10	0.93	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.15	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.20	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.25	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.30	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.35	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.40	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.45	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.50	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.55	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.60	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.65	0.94	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.70	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.75	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.80	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.85	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.90	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
25.95	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.00	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.05	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.10	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.15	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.20	0.95	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.25	0.96	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.30	0.96	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.35	0.96	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.40	0.96	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.45	0.96	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.50	0.96	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.55	0.96	0.29	1.00	0.29	1.30	2.00	0.96	5.00 ^
26.60	0.96	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
26.65	0.96	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
26.70	0.96	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
26.75	0.96	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
26.80	0.97	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
26.85	0.97	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
26.90	0.97	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
26.95	0.97	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.00	0.97	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.05	0.97	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.10	0.97	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.15	0.97	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.20	0.97	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.25	0.97	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.30	0.97	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.35	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.40	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.45	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.50	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.55	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.60	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.65	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.70	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.75	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.80	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.85	0.98	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
27.90	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
27.95	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.00	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.05	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.10	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.15	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.20	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.25	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.30	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.35	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.40	0.99	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.45	1.00	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.50	1.00	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.55	1.00	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.60	1.00	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^

28.65	1.00	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.70	1.00	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
28.75	1.00	0.30	1.01	0.30	1.30	2.00	0.95	5.00 ^
28.80	1.00	0.30	1.01	0.30	1.30	2.00	0.95	5.00 ^
28.85	1.00	0.30	1.01	0.30	1.30	2.00	0.95	5.00 ^
28.90	1.00	0.30	1.01	0.30	1.30	2.00	0.95	5.00 ^
28.95	1.00	0.30	1.01	0.30	1.30	2.00	0.95	5.00 ^
29.00	1.01	0.30	1.01	0.30	1.30	2.00	0.95	5.00 ^
29.05	1.01	0.30	1.01	0.30	1.30	2.00	0.95	5.00 ^
29.10	1.01	0.30	1.01	0.30	1.30	2.00	0.95	5.00 ^
29.15	1.01	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.20	1.01	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.25	1.01	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.30	1.01	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.35	1.01	0.30	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.40	1.01	0.29	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.45	1.01	0.29	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.50	1.01	0.29	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.55	1.02	0.29	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.60	1.02	0.29	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.65	1.02	0.29	1.00	0.30	1.30	2.00	0.95	5.00 ^
29.70	1.02	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
29.75	1.02	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
29.80	1.02	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
29.85	1.02	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
29.90	1.02	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
29.95	1.02	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.00	1.02	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.05	1.02	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.10	1.03	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.15	1.03	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.20	1.03	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.25	1.03	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.30	1.03	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.35	1.03	0.29	1.00	0.29	1.30	2.00	0.95	5.00 ^
30.40	1.03	0.28	1.00	0.28	1.30	2.00	0.95	5.00 ^
30.45	1.03	0.28	1.00	0.28	1.30	2.00	0.94	5.00 ^
30.50	1.03	0.28	1.00	0.28	1.30	2.00	0.94	5.00 ^
30.55	1.03	0.28	1.00	0.28	1.30	2.00	0.94	5.00 ^
30.60	1.03	0.28	1.00	0.28	1.30	2.00	0.94	5.00 ^
30.65	1.04	0.28	1.00	0.28	1.30	2.00	0.94	5.00 ^
30.70	1.04	0.28	1.00	0.28	1.30	2.00	0.94	5.00 ^
30.75	1.04	0.28	1.00	0.28	1.30	2.00	0.94	5.00 ^
30.80	1.04	0.28	1.00	0.28	1.30	2.00	0.94	5.00 ^
30.85	1.04	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
30.90	1.04	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
30.95	1.04	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
31.00	1.04	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
31.05	1.04	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
31.10	1.04	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
31.15	1.04	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
31.20	1.05	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
31.25	1.05	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
31.30	1.05	0.27	1.00	0.27	1.30	2.00	0.94	5.00 ^
31.35	1.05	0.27	1.00	0.26	1.30	2.00	0.94	5.00 ^
31.40	1.05	0.26	1.00	0.26	1.30	2.00	0.94	5.00 ^
31.45	1.05	0.26	1.00	0.26	1.30	2.00	0.94	5.00 ^
31.50	1.05	0.26	1.00	0.26	1.30	2.00	0.94	5.00 ^
31.55	1.05	0.26	1.00	0.26	1.30	2.00	0.94	5.00 ^
31.60	1.05	0.26	1.00	0.26	1.30	2.00	0.94	5.00 ^
31.65	1.05	0.26	1.00	0.26	1.30	2.00	0.94	5.00 ^
31.70	1.05	0.26	1.00	0.26	1.30	2.00	0.94	5.00 ^
31.75	1.06	0.26	1.00	0.26	1.30	2.00	0.93	5.00 ^
31.80	1.06	0.26	1.00	0.26	1.30	2.00	0.93	5.00 ^
31.85	1.06	0.26	1.00	0.26	1.30	2.00	0.93	5.00 ^
31.90	1.06	0.26	1.00	0.25	1.30	2.00	0.93	5.00 ^
31.95	1.06	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.00	1.06	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.05	1.06	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.10	1.06	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.15	1.06	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.20	1.06	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.25	1.06	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^

32.30	1.07	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.35	1.07	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.40	1.07	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.45	1.07	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
32.50	1.07	0.25	1.00	0.24	1.30	2.00	0.93	5.00 ^
32.55	1.07	0.24	1.00	0.24	1.30	2.00	0.93	5.00 ^
32.60	1.07	0.24	1.00	0.24	1.30	2.00	0.93	5.00 ^
32.65	1.07	0.24	0.99	0.24	1.30	2.00	0.93	5.00 ^
32.70	1.07	0.24	0.99	0.24	1.30	2.00	0.93	5.00 ^
32.75	1.07	0.24	0.99	0.24	1.30	2.00	0.93	5.00 ^
32.80	1.07	0.24	0.99	0.24	1.30	2.00	0.93	5.00 ^
32.85	1.08	0.24	0.99	0.24	1.30	2.00	0.93	5.00 ^
32.90	1.08	0.24	0.99	0.24	1.30	2.00	0.93	5.00 ^
32.95	1.08	0.24	0.99	0.24	1.30	2.00	0.93	5.00 ^
33.00	1.08	0.24	0.99	0.24	1.30	2.00	0.92	5.00 ^
33.05	1.08	0.24	0.99	0.24	1.30	2.00	0.92	5.00 ^
33.10	1.08	0.24	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.15	1.08	0.24	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.20	1.08	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.25	1.08	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.30	1.08	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.35	1.08	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.40	1.09	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.45	1.09	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.50	1.09	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.55	1.09	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.60	1.09	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.65	1.09	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.70	1.09	0.23	0.99	0.23	1.30	2.00	0.92	5.00 ^
33.75	1.09	0.23	0.99	0.22	1.30	2.00	0.92	5.00 ^
33.80	1.09	0.23	0.99	0.22	1.30	2.00	0.92	5.00 ^
33.85	1.09	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
33.90	1.09	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
33.95	1.10	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
34.00	1.10	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
34.05	1.10	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
34.10	1.10	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
34.15	1.10	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
34.20	1.10	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
34.25	1.10	0.22	0.99	0.22	1.30	2.00	0.92	5.00 ^
34.30	1.10	0.22	0.99	0.22	1.30	2.00	0.91	5.00 ^
34.35	1.10	0.22	0.99	0.22	1.30	2.00	0.91	5.00 ^
34.40	1.10	0.22	0.99	0.22	1.30	2.00	0.91	5.00 ^
34.45	1.10	0.22	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.50	1.11	0.22	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.55	1.11	0.22	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.60	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.65	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.70	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.75	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.80	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.85	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.90	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
34.95	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.00	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.05	1.11	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.10	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.15	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.20	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.25	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.30	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.35	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.40	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.45	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.50	1.12	0.21	0.99	0.21	1.30	2.00	0.91	5.00 ^
35.55	1.12	0.21	0.99	0.21	1.30	2.00	0.90	5.00 ^
35.60	1.12	0.21	0.99	0.21	1.30	2.00	0.90	5.00 ^
35.65	1.13	0.21	0.99	0.21	1.30	2.00	0.90	5.00 ^
35.70	1.13	0.21	0.99	0.21	1.30	2.00	0.90	5.00 ^
35.75	1.13	0.21	0.99	0.21	1.30	2.00	0.90	5.00 ^
35.80	1.13	0.21	0.99	0.21	1.30	2.00	0.90	5.00 ^
35.85	1.13	0.21	0.99	0.21	1.30	2.00	0.90	5.00 ^
35.90	1.13	0.21	0.99	0.21	1.30	2.00	0.90	5.00 ^

35.95	1.13	0.21	0.99	0.20	1.30	2.00	0.90	5.00 ^
36.00	1.13	0.21	0.99	0.20	1.30	2.00	0.90	5.00 ^
36.05	1.13	0.21	0.99	0.20	1.30	2.00	0.90	5.00 ^
36.10	1.13	0.21	0.99	0.20	1.30	2.00	0.90	5.00 ^
36.15	1.13	0.21	0.99	0.20	1.30	2.00	0.90	5.00 ^
36.20	1.14	0.21	0.99	0.20	1.30	2.00	0.90	5.00 ^
36.25	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.30	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.35	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.40	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.45	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.50	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.55	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.60	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.65	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.70	1.14	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.75	1.15	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.80	1.15	0.21	0.98	0.20	1.30	2.00	0.90	5.00 ^
36.85	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
36.90	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
36.95	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.00	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.05	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.10	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.15	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.20	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.25	1.15	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.30	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.35	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.40	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.45	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.50	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.55	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.60	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.65	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.70	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.75	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.80	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.85	1.16	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.90	1.17	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
37.95	1.17	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
38.00	1.17	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
38.05	1.17	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
38.10	1.17	0.21	0.98	0.20	1.30	2.00	0.89	5.00 ^
38.15	1.17	0.21	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.20	1.17	0.21	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.25	1.17	0.21	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.30	1.17	0.21	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.35	1.17	0.21	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.40	1.17	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.45	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.50	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.55	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.60	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.65	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.70	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.75	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.80	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.85	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.90	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
38.95	1.18	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.00	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.05	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.10	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.15	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.20	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.25	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.30	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.35	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.40	1.19	0.20	0.98	0.20	1.30	2.00	0.88	5.00 ^
39.45	1.19	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.50	1.19	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.55	1.19	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^

39.60	1.20	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.65	1.20	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.70	1.20	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.75	1.20	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.80	1.20	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.85	1.20	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.90	1.20	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
39.95	1.20	0.20	0.98	0.20	1.30	2.00	0.87	5.00 ^
40.00	1.20	0.20	0.97	0.20	1.30	2.00	0.87	5.00 ^
40.05	1.20	0.20	0.97	0.20	1.30	0.26	0.87	0.30 *
40.10	1.20	0.21	0.97	0.20	1.30	0.26	0.87	0.30 *
40.15	1.21	0.21	0.97	0.20	1.30	0.26	0.87	0.30 *
40.20	1.21	0.21	0.97	0.20	1.30	0.27	0.87	0.31 *
40.25	1.21	0.21	0.97	0.21	1.30	0.27	0.87	0.31 *
40.30	1.21	0.21	0.97	0.21	1.30	0.27	0.87	0.31 *
40.35	1.21	0.21	0.97	0.21	1.30	0.27	0.87	0.31 *
40.40	1.21	0.22	0.97	0.21	1.30	0.27	0.87	0.32 *
40.45	1.21	0.22	0.97	0.21	1.30	0.28	0.87	0.32 *
40.50	1.21	0.22	0.97	0.21	1.30	0.28	0.87	0.32 *
40.55	1.21	0.22	0.97	0.22	1.30	0.28	0.87	0.32 *
40.60	1.21	0.22	0.97	0.22	1.30	0.28	0.87	0.33 *
40.65	1.21	0.23	0.97	0.22	1.30	0.28	0.87	0.33 *
40.70	1.21	0.23	0.97	0.22	1.30	0.29	0.87	0.33 *
40.75	1.22	0.23	0.97	0.22	1.30	0.29	0.86	0.33 *
40.80	1.22	0.23	0.97	0.22	1.30	0.29	0.86	0.34 *
40.85	1.22	0.23	0.97	0.23	1.30	0.29	0.86	0.34 *
40.90	1.22	0.23	0.97	0.23	1.30	0.30	0.86	0.34 *
40.95	1.22	0.24	0.97	0.23	1.30	0.30	0.86	0.35 *
41.00	1.22	0.24	0.97	0.23	1.30	0.30	0.86	0.35 *
41.05	1.22	0.24	0.97	0.23	1.30	0.30	0.86	0.35 *
41.10	1.22	0.24	0.97	0.23	1.30	0.31	0.86	0.35 *
41.15	1.22	0.24	0.97	0.24	1.30	0.31	0.86	0.36 *
41.20	1.22	0.25	0.97	0.24	1.30	0.31	0.86	0.36 *
41.25	1.22	0.25	0.97	0.24	1.30	0.31	0.86	0.36 *
41.30	1.23	0.25	0.97	0.24	1.30	0.31	0.86	0.37 *
41.35	1.23	0.25	0.97	0.24	1.30	0.32	0.86	0.37 *
41.40	1.23	0.25	0.97	0.25	1.30	0.32	0.86	0.37 *
41.45	1.23	0.26	0.97	0.25	1.30	0.32	0.86	0.37 *
41.50	1.23	0.26	0.97	0.25	1.30	0.32	0.86	0.38 *
41.55	1.23	0.26	0.97	0.25	1.30	0.33	0.86	0.38 *
41.60	1.23	0.26	0.97	0.25	1.30	0.33	0.86	0.38 *
41.65	1.23	0.26	0.97	0.26	1.30	0.33	0.86	0.39 *
41.70	1.23	0.27	0.97	0.26	1.30	0.33	0.86	0.39 *
41.75	1.23	0.27	0.97	0.26	1.30	0.34	0.86	0.39 *
41.80	1.23	0.27	0.97	0.26	1.30	0.34	0.86	0.40 *
41.85	1.23	0.27	0.97	0.26	1.30	0.34	0.86	0.40 *
41.90	1.24	0.27	0.97	0.27	1.30	0.35	0.86	0.40 *
41.95	1.24	0.28	0.97	0.27	1.30	0.35	0.86	0.41 *
42.00	1.24	0.28	0.97	0.27	1.30	0.35	0.85	0.41 *
42.05	1.24	0.28	0.97	0.27	1.30	0.35	0.85	0.41 *
42.10	1.24	0.28	0.97	0.27	1.30	0.36	0.85	0.42 *
42.15	1.24	0.29	0.97	0.28	1.30	0.36	0.85	0.42 *
42.20	1.24	0.29	0.97	0.28	1.30	0.36	0.85	0.43 *
42.25	1.24	0.29	0.97	0.28	1.30	0.37	0.85	0.43 *
42.30	1.24	0.29	0.97	0.28	1.30	0.37	0.85	0.43 *
42.35	1.24	0.30	0.97	0.29	1.30	0.37	0.85	0.44 *
42.40	1.24	0.30	0.97	0.29	1.30	0.38	0.85	0.44 *
42.45	1.25	0.30	0.97	0.29	1.30	0.38	0.85	0.45 *
42.50	1.25	0.30	0.97	0.29	1.30	0.38	0.85	0.45 *
42.55	1.25	0.31	0.97	0.30	1.30	0.39	0.85	0.45 *
42.60	1.25	0.31	0.97	0.30	1.30	0.39	0.85	0.46 *
42.65	1.25	0.31	0.97	0.30	1.30	0.39	0.85	0.46 *
42.70	1.25	0.32	0.97	0.31	1.30	0.40	0.85	0.47 *
42.75	1.25	0.32	0.97	0.31	1.30	0.40	0.85	0.47 *
42.80	1.25	0.32	0.97	0.31	1.30	0.40	0.85	0.48 *
42.85	1.25	0.32	0.97	0.31	1.30	0.41	0.85	0.48 *
42.90	1.25	0.33	0.97	0.32	1.30	0.41	0.85	0.49 *
42.95	1.25	0.33	0.97	0.32	1.30	0.42	0.85	0.49 *
43.00	1.25	0.33	0.97	0.32	1.30	0.42	0.85	0.50 *
43.05	1.26	0.34	0.97	0.33	1.30	0.43	0.85	0.50 *
43.10	1.26	0.34	0.97	0.33	1.30	0.43	0.85	0.51 *
43.15	1.26	0.35	0.97	0.33	1.30	0.43	0.85	0.51 *
43.20	1.26	0.35	0.97	0.34	1.30	0.44	0.85	0.52 *

43.25	1.26	0.35	0.97	0.34	1.30	0.44	0.85	0.53 *
43.30	1.26	0.36	0.97	0.35	1.30	0.45	0.84	0.53 *
43.35	1.26	0.36	0.97	0.35	1.30	0.46	0.84	0.54 *
43.40	1.26	0.37	0.97	0.36	1.30	0.46	0.84	0.55 *
43.45	1.26	0.37	0.97	0.36	1.30	0.47	0.84	0.56 *
43.50	1.26	0.38	0.97	0.37	1.30	0.48	0.84	0.57 *
43.55	1.26	0.39	0.97	0.37	1.30	0.49	0.84	0.58 *
43.60	1.27	0.38	0.97	0.37	1.30	0.48	0.84	0.57 *
43.65	1.27	0.38	0.97	0.37	1.30	0.48	0.84	0.57 *
43.70	1.27	0.38	0.97	0.36	1.30	0.47	0.84	0.56 *
43.75	1.27	0.37	0.97	0.36	1.30	0.47	0.84	0.56 *
43.80	1.27	0.37	0.97	0.36	1.30	0.47	0.84	0.55 *
43.85	1.27	0.37	0.96	0.35	1.30	0.46	0.84	0.55 *
43.90	1.27	0.36	0.96	0.35	1.30	0.46	0.84	0.54 *
43.95	1.27	0.36	0.96	0.35	1.30	0.45	0.84	0.54 *
44.00	1.27	0.36	0.96	0.35	1.30	0.45	0.84	0.54 *
44.05	1.27	0.36	0.96	0.34	1.30	0.45	0.84	0.53 *
44.10	1.27	0.35	0.96	0.34	1.30	0.44	0.84	0.53 *
44.15	1.27	0.35	0.96	0.34	1.30	0.44	0.84	0.52 *
44.20	1.28	0.35	0.96	0.33	1.30	0.43	0.84	0.52 *
44.25	1.28	0.34	0.96	0.33	1.30	0.43	0.84	0.51 *
44.30	1.28	0.34	0.96	0.33	1.30	0.42	0.84	0.51 *
44.35	1.28	0.33	0.96	0.32	1.30	0.42	0.84	0.50 *
44.40	1.28	0.33	0.96	0.32	1.30	0.41	0.84	0.49 *
44.45	1.28	0.33	0.96	0.31	1.30	0.41	0.84	0.49 *
44.50	1.28	0.32	0.96	0.31	1.30	0.40	0.84	0.48 *
44.55	1.28	0.32	0.96	0.31	1.30	0.40	0.84	0.48 *
44.60	1.28	0.31	0.96	0.30	1.30	0.39	0.83	0.47 *
44.65	1.28	0.31	0.96	0.30	1.30	0.38	0.83	0.46 *
44.70	1.28	0.30	0.96	0.29	1.30	0.38	0.83	0.45 *
44.75	1.29	0.30	0.96	0.29	1.30	0.37	0.83	0.45 *
44.80	1.29	0.29	0.96	0.28	1.30	0.37	0.83	0.44 *
44.85	1.29	0.29	0.96	0.28	1.30	0.36	0.83	0.43 *
44.90	1.29	0.28	0.96	0.27	1.30	0.35	0.83	0.42 *
44.95	1.29	0.28	0.96	0.27	1.30	0.35	0.83	0.42 *
45.00	1.29	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.05	1.29	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.10	1.29	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.15	1.29	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.20	1.29	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.25	1.29	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.30	1.29	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.35	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.40	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.45	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.50	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.55	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.60	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.65	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.70	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.75	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.80	1.30	0.27	0.96	0.26	1.30	0.34	0.83	0.41 *
45.85	1.30	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
45.90	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
45.95	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.00	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.05	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.10	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.15	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.20	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.25	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.30	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.35	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.40	1.31	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.45	1.32	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.50	1.32	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.55	1.32	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.60	1.32	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.65	1.32	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.70	1.32	0.27	0.96	0.26	1.30	0.34	0.82	0.41 *
46.75	1.32	0.27	0.96	0.26	1.30	0.33	0.82	0.41 *
46.80	1.32	0.27	0.96	0.26	1.30	0.33	0.82	0.41 *
46.85	1.32	0.27	0.96	0.26	1.30	0.33	0.82	0.41 *

46.90	1.32	0.27	0.96	0.26	1.30	0.33	0.82	0.41 *
46.95	1.32	0.27	0.96	0.26	1.30	0.33	0.82	0.41 *
47.00	1.33	0.27	0.96	0.26	1.30	0.33	0.82	0.41 *
47.05	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.10	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.15	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.20	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.25	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.30	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.35	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.40	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.45	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.50	1.33	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.55	1.34	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.60	1.34	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.65	1.34	0.27	0.96	0.26	1.30	0.33	0.81	0.41 *
47.70	1.34	0.27	0.96	0.25	1.30	0.33	0.81	0.41 *
47.75	1.34	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
47.80	1.34	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
47.85	1.34	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
47.90	1.34	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
47.95	1.34	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
48.00	1.34	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
48.05	1.35	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
48.10	1.35	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
48.15	1.35	0.27	0.95	0.25	1.30	0.33	0.81	0.41 *
48.20	1.35	0.27	0.95	0.25	1.30	0.33	0.80	0.41 *
48.25	1.35	0.27	0.95	0.25	1.30	0.33	0.80	0.41 *
48.30	1.35	0.27	0.95	0.25	1.30	0.33	0.80	0.41 *
48.35	1.35	0.27	0.95	0.25	1.30	0.33	0.80	0.41 *
48.40	1.35	0.27	0.95	0.25	1.30	0.33	0.80	0.41 *
48.45	1.35	0.27	0.95	0.25	1.30	0.33	0.80	0.41 *
48.50	1.35	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.55	1.35	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.60	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.65	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.70	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.75	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.80	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.85	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.90	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
48.95	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
49.00	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
49.05	1.36	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
49.10	1.37	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
49.15	1.37	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
49.20	1.37	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
49.25	1.37	0.26	0.95	0.25	1.30	0.33	0.80	0.41 *
49.30	1.37	0.26	0.95	0.25	1.30	0.32	0.80	0.41 *
49.35	1.37	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.40	1.37	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.45	1.37	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.50	1.37	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.55	1.37	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.60	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.65	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.70	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.75	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.80	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.85	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.90	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
49.95	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
50.00	1.38	0.26	0.95	0.25	1.30	0.32	0.79	0.41 *
50.05	1.38	0.27	0.95	0.25	1.30	0.33	0.79	0.42 *
50.10	1.39	0.27	0.95	0.26	1.30	0.33	0.79	0.43 *
50.15	1.39	0.28	0.95	0.26	1.30	0.34	0.79	0.43 *
50.20	1.39	0.28	0.95	0.27	1.30	0.35	0.79	0.44 *
50.25	1.39	0.29	0.95	0.27	1.30	0.36	0.79	0.45 *
50.30	1.39	0.30	0.95	0.28	1.30	0.36	0.79	0.46 *
50.35	1.39	0.30	0.95	0.29	1.30	0.37	0.79	0.47 *
50.40	1.39	0.31	0.95	0.29	1.30	0.38	0.79	0.48 *
50.45	1.39	0.32	0.95	0.30	1.30	0.39	0.78	0.50 *
50.50	1.39	0.32	0.95	0.31	1.30	0.40	0.78	0.51 *

50.55	1.39	0.33	0.95	0.31	1.30	0.41	0.78	0.52 *
50.60	1.40	0.34	0.95	0.32	1.30	0.42	0.78	0.53 *
50.65	1.40	0.35	0.95	0.33	1.30	0.43	0.78	0.55 *
50.70	1.40	0.36	0.95	0.34	1.30	0.44	0.78	0.57 *
50.75	1.40	0.37	0.95	0.35	1.30	0.46	0.78	0.59 *
50.80	1.40	0.39	0.95	0.37	1.30	0.48	0.78	0.61 *
50.85	1.40	0.41	0.95	0.39	1.30	0.51	0.78	0.65 *
50.90	1.40	0.46	0.95	0.44	1.30	0.57	0.78	0.73 *
50.95	1.40	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.00	1.40	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.05	1.40	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.10	1.41	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.15	1.41	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.20	1.41	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.25	1.41	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.30	1.41	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.35	1.41	0.50	0.95	0.47	1.30	0.61	0.78	0.79 *
51.40	1.41	0.50	0.94	0.47	1.30	0.61	0.78	0.79 *
51.45	1.41	0.50	0.94	0.47	1.30	0.61	0.78	0.79 *
51.50	1.41	0.50	0.94	0.47	1.30	0.61	0.78	0.79 *
51.55	1.41	0.50	0.94	0.47	1.30	0.61	0.78	0.79 *
51.60	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
51.65	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
51.70	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
51.75	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
51.80	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
51.85	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
51.90	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
51.95	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
52.00	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.79 *
52.05	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.10	1.42	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.15	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.20	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.25	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.30	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.35	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.40	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.45	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.50	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.55	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.60	1.43	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.65	1.44	0.50	0.94	0.47	1.30	0.61	0.77	0.80 *
52.70	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
52.75	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
52.80	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
52.85	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
52.90	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
52.95	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.00	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.05	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.10	1.44	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.15	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.20	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.25	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.30	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.35	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.40	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.45	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.80 *
53.50	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.81 *
53.55	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.81 *
53.60	1.45	0.50	0.94	0.47	1.30	0.61	0.76	0.81 *
53.65	1.46	0.50	0.94	0.47	1.30	0.61	0.76	0.81 *
53.70	1.46	0.50	0.94	0.47	1.30	0.61	0.76	0.81 *
53.75	1.46	0.50	0.94	0.47	1.30	0.61	0.76	0.81 *
53.80	1.46	0.50	0.94	0.47	1.30	0.61	0.76	0.81 *
53.85	1.46	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
53.90	1.46	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
53.95	1.46	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.00	1.46	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.05	1.46	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.10	1.46	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.15	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *

54.20	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.25	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.30	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.35	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.40	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.45	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.50	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.55	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.60	1.47	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.65	1.48	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.70	1.48	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.75	1.48	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.80	1.48	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.85	1.48	0.50	0.94	0.47	1.30	0.61	0.75	0.81 *
54.90	1.48	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
54.95	1.48	0.50	0.94	0.47	1.30	0.61	0.75	0.82 *
55.00	1.48	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
55.05	1.48	0.50	0.94	0.47	1.30	0.61	0.74	0.82 *
55.10	1.48	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.15	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.20	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.25	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.30	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.35	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.40	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.45	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.50	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.55	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.60	1.49	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.65	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.70	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.75	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.80	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.85	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.90	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
55.95	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
56.00	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
56.05	1.50	0.50	0.93	0.47	1.30	0.61	0.74	0.82 *
56.10	1.50	0.50	0.93	0.47	1.30	0.61	0.73	0.82 *
56.15	1.50	0.50	0.93	0.47	1.30	0.61	0.73	0.82 *
56.20	1.51	0.50	0.93	0.47	1.30	0.61	0.73	0.82 *
56.25	1.51	0.50	0.93	0.47	1.30	0.61	0.73	0.83 *
56.30	1.51	0.50	0.93	0.47	1.30	0.61	0.73	0.83 *
56.35	1.51	0.50	0.93	0.47	1.30	0.61	0.73	0.83 *
56.40	1.51	0.50	0.93	0.47	1.30	0.61	0.73	0.83 *
56.45	1.51	0.50	0.93	0.47	1.30	0.61	0.73	0.83 *
56.50	1.51	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.55	1.51	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.60	1.51	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.65	1.51	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.70	1.52	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.75	1.52	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.80	1.52	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.85	1.52	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.90	1.52	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
56.95	1.52	0.50	0.93	0.47	1.30	0.60	0.73	0.83 *
57.00	1.52	0.50	0.93	0.46	1.30	0.60	0.73	0.83 *
57.05	1.52	0.50	0.93	0.46	1.30	0.60	0.73	0.83 *
57.10	1.52	0.50	0.93	0.46	1.30	0.60	0.73	0.83 *
57.15	1.53	0.50	0.93	0.46	1.30	0.60	0.73	0.83 *
57.20	1.53	0.50	0.93	0.46	1.30	0.60	0.73	0.83 *
57.25	1.53	0.50	0.93	0.46	1.30	0.60	0.72	0.83 *
57.30	1.53	0.50	0.93	0.46	1.30	0.60	0.72	0.83 *
57.35	1.53	0.50	0.93	0.46	1.30	0.60	0.72	0.83 *
57.40	1.53	0.50	0.93	0.46	1.30	0.60	0.72	0.83 *
57.45	1.53	0.50	0.93	0.46	1.30	0.60	0.72	0.83 *
57.50	1.53	0.50	0.93	0.46	1.30	0.60	0.72	0.83 *
57.55	1.53	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
57.60	1.53	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
57.65	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
57.70	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
57.75	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
57.80	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *

57.85	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
57.90	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
57.95	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
58.00	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
58.05	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
58.10	1.54	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
58.15	1.55	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
58.20	1.55	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
58.25	1.55	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
58.30	1.55	0.50	0.93	0.46	1.30	0.60	0.72	0.84 *
58.35	1.55	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.40	1.55	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.45	1.55	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.50	1.55	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.55	1.55	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.60	1.55	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.65	1.56	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.70	1.56	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.75	1.56	0.50	0.93	0.46	1.30	0.60	0.71	0.84 *
58.80	1.56	0.50	0.93	0.46	1.30	0.60	0.71	0.85 *
58.85	1.56	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
58.90	1.56	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
58.95	1.56	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.00	1.56	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.05	1.56	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.10	1.57	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.15	1.57	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.20	1.57	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.25	1.57	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.30	1.57	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.35	1.57	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.40	1.57	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.45	1.57	0.50	0.92	0.46	1.30	0.60	0.71	0.85 *
59.50	1.57	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.55	1.57	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.60	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.65	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.70	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.75	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.80	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.85	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.90	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
59.95	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.85 *
60.00	1.58	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.05	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.10	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.15	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.20	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.25	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.30	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.35	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.40	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.45	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.50	1.59	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.55	1.60	0.50	0.92	0.46	1.30	0.60	0.70	0.86 *
60.60	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
60.65	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
60.70	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
60.75	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
60.80	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
60.85	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
60.90	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
60.95	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
61.00	1.60	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
61.05	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
61.10	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.86 *
61.15	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.20	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.25	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.30	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.35	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.40	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.45	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *

61.50	1.61	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.55	1.62	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.60	1.62	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.65	1.62	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.70	1.62	0.50	0.92	0.46	1.30	0.60	0.69	0.87 *
61.75	1.62	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
61.80	1.62	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
61.85	1.62	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
61.90	1.62	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
61.95	1.62	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
62.00	1.62	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
62.05	1.63	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
62.10	1.63	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
62.15	1.63	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
62.20	1.63	0.50	0.92	0.46	1.30	0.60	0.68	0.87 *
62.25	1.63	0.50	0.92	0.46	1.30	0.59	0.68	0.87 *
62.30	1.63	0.50	0.92	0.46	1.30	0.59	0.68	0.87 *
62.35	1.63	0.50	0.92	0.46	1.30	0.59	0.68	0.88 *
62.40	1.63	0.50	0.92	0.46	1.30	0.59	0.68	0.88 *
62.45	1.63	0.50	0.92	0.46	1.30	0.59	0.68	0.88 *
62.50	1.63	0.50	0.92	0.46	1.30	0.59	0.68	0.88 *
62.55	1.63	0.50	0.92	0.46	1.30	0.59	0.68	0.88 *
62.60	1.64	0.50	0.92	0.46	1.30	0.59	0.68	0.88 *
62.65	1.64	0.50	0.91	0.46	1.30	0.59	0.68	0.88 *
62.70	1.64	0.50	0.91	0.46	1.30	0.59	0.68	0.88 *
62.75	1.64	0.50	0.91	0.46	1.30	0.59	0.68	0.88 *
62.80	1.64	0.50	0.91	0.46	1.30	0.59	0.68	0.88 *
62.85	1.64	0.50	0.91	0.46	1.30	0.59	0.68	0.88 *
62.90	1.64	0.50	0.91	0.46	1.30	0.59	0.68	0.88 *
62.95	1.64	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.00	1.64	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.05	1.64	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.10	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.15	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.20	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.25	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.30	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.35	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.40	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.45	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.50	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.88 *
63.55	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
63.60	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
63.65	1.65	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
63.70	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
63.75	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
63.80	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
63.85	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
63.90	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
63.95	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
64.00	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
64.05	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
64.10	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
64.15	1.66	0.50	0.91	0.46	1.30	0.59	0.67	0.89 *
64.20	1.66	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.25	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.30	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.35	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.40	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.45	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.50	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.55	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.60	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.65	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.89 *
64.70	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.90 *
64.75	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.90 *
64.80	1.67	0.50	0.91	0.46	1.30	0.59	0.66	0.90 *
64.85	1.68	0.50	0.91	0.46	1.30	0.59	0.66	0.90 *
64.90	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
64.95	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.00	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.05	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.10	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *

65.15	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.20	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.25	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.30	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.35	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.40	1.68	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.45	1.69	0.50	0.91	0.45	1.30	0.59	0.66	0.90 *
65.50	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.90 *
65.55	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.90 *
65.60	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.90 *
65.65	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.90 *
65.70	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.90 *
65.75	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.90 *
65.80	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.90 *
65.85	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.90 *
65.90	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
65.95	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.00	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.05	1.69	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.10	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.15	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.20	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.25	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.30	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.35	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.40	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.45	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.50	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.55	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.60	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.65	1.70	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.70	1.71	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.75	1.71	0.50	0.91	0.45	1.30	0.59	0.65	0.91 *
66.80	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.91 *
66.85	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.91 *
66.90	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.91 *
66.95	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.91 *
67.00	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.91 *
67.05	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.92 *
67.10	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.92 *
67.15	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.92 *
67.20	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.92 *
67.25	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.92 *
67.30	1.71	0.50	0.91	0.45	1.30	0.59	0.64	0.92 *
67.35	1.72	0.50	0.91	0.45	1.30	0.59	0.64	0.92 *
67.40	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.45	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.50	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.55	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.60	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.65	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.70	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.75	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.80	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.85	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.90	1.72	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
67.95	1.73	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
68.00	1.73	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
68.05	1.73	0.50	0.90	0.45	1.30	0.59	0.64	0.92 *
68.10	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.92 *
68.15	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.20	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.25	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.30	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.35	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.40	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.45	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.50	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.55	1.73	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.60	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.65	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.70	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.75	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *

68.80	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.85	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.90	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
68.95	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
69.00	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
69.05	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
69.10	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
69.15	1.74	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
69.20	1.75	0.50	0.90	0.45	1.30	0.59	0.63	0.93 *
69.25	1.75	0.50	0.90	0.45	1.30	0.59	0.63	0.94 *
69.30	1.75	0.50	0.90	0.45	1.30	0.59	0.63	0.94 *
69.35	1.75	0.50	0.90	0.45	1.30	0.59	0.63	0.94 *
69.40	1.75	0.50	0.90	0.45	1.30	0.59	0.62	0.94 *
69.45	1.75	0.50	0.90	0.45	1.30	0.59	0.62	0.94 *
69.50	1.75	0.50	0.90	0.45	1.30	0.59	0.62	0.94 *
69.55	1.75	0.50	0.90	0.45	1.30	0.59	0.62	0.94 *
69.60	1.75	0.50	0.90	0.45	1.30	0.59	0.62	0.94 *
69.65	1.75	0.50	0.90	0.45	1.30	0.59	0.62	0.94 *
69.70	1.75	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
69.75	1.75	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
69.80	1.75	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
69.85	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
69.90	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
69.95	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
70.00	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
70.05	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
70.10	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
70.15	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
70.20	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
70.25	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.94 *
70.30	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.95 *
70.35	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.95 *
70.40	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.95 *
70.45	1.76	0.50	0.90	0.45	1.30	0.58	0.62	0.95 *
70.50	1.77	0.50	0.90	0.45	1.30	0.58	0.62	0.95 *
70.55	1.77	0.50	0.90	0.45	1.30	0.58	0.62	0.95 *
70.60	1.77	0.50	0.90	0.45	1.30	0.58	0.62	0.95 *
70.65	1.77	0.50	0.90	0.45	1.30	0.58	0.62	0.95 *
70.70	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
70.75	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
70.80	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
70.85	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
70.90	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
70.95	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
71.00	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
71.05	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
71.10	1.77	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
71.15	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
71.20	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
71.25	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.95 *
71.30	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.35	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.40	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.45	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.50	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.55	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.60	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.65	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.70	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.75	1.78	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.80	1.79	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.85	1.79	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.90	1.79	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
71.95	1.79	0.50	0.90	0.45	1.30	0.58	0.61	0.96 *
72.00	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.96 *
72.05	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.96 *
72.10	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.96 *
72.15	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.96 *
72.20	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.96 *
72.25	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.96 *
72.30	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.97 *
72.35	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.97 *
72.40	1.79	0.50	0.90	0.45	1.30	0.58	0.60	0.97 *

72.45	1.80	0.50	0.90	0.45	1.30	0.58	0.60	0.97 *
72.50	1.80	0.50	0.90	0.45	1.30	0.58	0.60	0.97 *
72.55	1.80	0.50	0.90	0.45	1.30	0.58	0.60	0.97 *
72.60	1.80	0.50	0.90	0.45	1.30	0.58	0.60	0.97 *
72.65	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
72.70	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
72.75	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
72.80	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
72.85	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
72.90	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
72.95	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
73.00	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
73.05	1.80	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
73.10	1.81	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
73.15	1.81	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
73.20	1.81	0.50	0.89	0.45	1.30	0.58	0.60	0.97 *
73.25	1.81	0.50	0.89	0.45	1.30	0.58	0.60	0.98 *
73.30	1.81	0.50	0.89	0.45	1.30	0.58	0.60	0.98 *
73.35	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.40	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.45	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.50	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.55	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.60	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.65	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.70	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.75	1.81	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.80	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.85	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.90	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
73.95	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
74.00	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
74.05	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
74.10	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
74.15	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.98 *
74.20	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.25	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.30	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.35	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.40	1.82	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.45	1.83	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.50	1.83	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.55	1.83	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.60	1.83	0.50	0.89	0.45	1.30	0.58	0.59	0.99 *
74.65	1.83	0.50	0.89	0.45	1.30	0.58	0.58	0.99 *
74.70	1.83	0.50	0.89	0.45	1.30	0.58	0.58	0.99 *
74.75	1.83	0.50	0.89	0.45	1.30	0.58	0.58	0.99 *
74.80	1.83	0.50	0.89	0.45	1.30	0.58	0.58	0.99 *
74.85	1.83	0.50	0.89	0.45	1.30	0.58	0.58	0.99 *
74.90	1.83	0.50	0.89	0.45	1.30	0.58	0.58	0.99 *
74.95	1.83	0.50	0.89	0.45	1.30	0.58	0.58	0.99 *
75.00	1.83	0.50	0.89	0.45	1.30	0.58	0.58	0.99 *

* F.S.<1: Liquefaction Potential Zone. (If above water table: F.S.=5)
^ No-liquefiable Soils or above Water Table.
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:
Fines Correction for Settlement Analysis:

Depth ft	Ic	qc/N60	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
5.00	-	-	-	47.47	0.00	0.00	47.47
5.05	-	-	-	47.47	0.00	0.00	47.47
5.10	-	-	-	47.47	0.00	0.00	47.47
5.15	-	-	-	47.47	0.00	0.00	47.47
5.20	-	-	-	47.47	0.00	0.00	47.47
5.25	-	-	-	47.47	0.00	0.00	47.47
5.30	-	-	-	47.47	0.00	0.00	47.47
5.35	-	-	-	47.47	0.00	0.00	47.47
5.40	-	-	-	47.47	0.00	0.00	47.47
5.45	-	-	-	47.47	0.00	0.00	47.47

5.50	-	-	-	47.47	0.00	0.00	47.47
5.55	-	-	-	47.47	0.00	0.00	47.47
5.60	-	-	-	47.47	0.00	0.00	47.47
5.65	-	-	-	47.47	0.00	0.00	47.47
5.70	-	-	-	47.47	0.00	0.00	47.47
5.75	-	-	-	47.47	0.00	0.00	47.47
5.80	-	-	-	47.47	0.00	0.00	47.47
5.85	-	-	-	47.47	0.00	0.00	47.47
5.90	-	-	-	47.47	0.00	0.00	47.47
5.95	-	-	-	47.47	0.00	0.00	47.47
6.00	-	-	-	47.47	0.00	0.00	47.47
6.05	-	-	-	47.47	0.00	0.00	47.47
6.10	-	-	-	47.47	0.00	0.00	47.47
6.15	-	-	-	47.34	0.00	0.00	47.34
6.20	-	-	-	47.15	0.00	0.00	47.15
6.25	-	-	-	46.95	0.00	0.00	46.95
6.30	-	-	-	46.76	0.00	0.00	46.76
6.35	-	-	-	46.58	0.00	0.00	46.58
6.40	-	-	-	46.39	0.00	0.00	46.39
6.45	-	-	-	46.21	0.00	0.00	46.21
6.50	-	-	-	46.02	0.00	0.00	46.02
6.55	-	-	-	45.84	0.00	0.00	45.84
6.60	-	-	-	45.67	0.00	0.00	45.67
6.65	-	-	-	45.49	0.00	0.00	45.49
6.70	-	-	-	45.31	0.00	0.00	45.31
6.75	-	-	-	45.14	0.00	0.00	45.14
6.80	-	-	-	44.97	0.00	0.00	44.97
6.85	-	-	-	44.80	0.00	0.00	44.80
6.90	-	-	-	44.64	0.00	0.00	44.64
6.95	-	-	-	44.47	0.00	0.00	44.47
7.00	-	-	-	44.31	0.00	0.00	44.31
7.05	-	-	-	44.14	0.00	0.00	44.14
7.10	-	-	-	43.98	0.00	0.00	43.98
7.15	-	-	-	43.83	0.00	0.00	43.83
7.20	-	-	-	43.67	0.00	0.00	43.67
7.25	-	-	-	43.51	0.00	0.00	43.51
7.30	-	-	-	43.36	0.00	0.00	43.36
7.35	-	-	-	43.21	0.00	0.00	43.21
7.40	-	-	-	43.05	0.00	0.00	43.05
7.45	-	-	-	42.90	0.00	0.00	42.90
7.50	-	-	-	42.76	0.00	0.00	42.76
7.55	-	-	-	42.61	0.00	0.00	42.61
7.60	-	-	-	42.46	0.00	0.00	42.46
7.65	-	-	-	42.32	0.00	0.00	42.32
7.70	-	-	-	42.18	0.00	0.00	42.18
7.75	-	-	-	42.03	0.00	0.00	42.03
7.80	-	-	-	41.89	0.00	0.00	41.89
7.85	-	-	-	41.76	0.00	0.00	41.76
7.90	-	-	-	41.62	0.00	0.00	41.62
7.95	-	-	-	41.48	0.00	0.00	41.48
8.00	-	-	-	41.35	0.00	0.00	41.35
8.05	-	-	-	41.21	0.00	0.00	41.21
8.10	-	-	-	41.08	0.00	0.00	41.08
8.15	-	-	-	40.95	0.00	0.00	40.95
8.20	-	-	-	40.82	0.00	0.00	40.82
8.25	-	-	-	46.11	0.00	0.00	46.11
8.30	-	-	-	45.97	0.00	0.00	45.97
8.35	-	-	-	45.82	0.00	0.00	45.82
8.40	-	-	-	45.68	0.00	0.00	45.68
8.45	-	-	-	45.54	0.00	0.00	45.54
8.50	-	-	-	45.40	0.00	0.00	45.40
8.55	-	-	-	45.26	0.00	0.00	45.26
8.60	-	-	-	45.12	0.00	0.00	45.12
8.65	-	-	-	44.98	0.00	0.00	44.98
8.70	-	-	-	44.85	0.00	0.00	44.85
8.75	-	-	-	44.71	0.00	0.00	44.71
8.80	-	-	-	44.58	0.00	0.00	44.58
8.85	-	-	-	44.45	0.00	0.00	44.45
8.90	-	-	-	44.31	0.00	0.00	44.31
8.95	-	-	-	44.18	0.00	0.00	44.18
9.00	-	-	-	44.05	0.00	0.00	44.05
9.05	-	-	-	43.93	0.00	0.00	43.93
9.10	-	-	-	43.80	0.00	0.00	43.80

9.15	-	-	-	43.67	0.00	0.00	43.67
9.20	-	-	-	43.55	0.00	0.00	43.55
9.25	-	-	-	43.42	0.00	0.00	43.42
9.30	-	-	-	43.30	0.00	0.00	43.30
9.35	-	-	-	43.18	0.00	0.00	43.18
9.40	-	-	-	43.05	0.00	0.00	43.05
9.45	-	-	-	42.93	0.00	0.00	42.93
9.50	-	-	-	42.81	0.00	0.00	42.81
9.55	-	-	-	42.70	0.00	0.00	42.70
9.60	-	-	-	42.58	0.00	0.00	42.58
9.65	-	-	-	42.46	0.00	0.00	42.46
9.70	-	-	-	42.34	0.00	0.00	42.34
9.75	-	-	-	42.23	0.00	0.00	42.23
9.80	-	-	-	42.11	0.00	0.00	42.11
9.85	-	-	-	42.00	0.00	0.00	42.00
9.90	-	-	-	41.89	0.00	0.00	41.89
9.95	-	-	-	41.78	0.00	0.00	41.78
10.00	-	-	-	41.66	0.00	0.00	41.66
10.05	-	-	-	41.62	0.00	0.00	41.62
10.10	-	-	-	41.58	0.00	0.00	41.58
10.15	-	-	-	41.53	0.00	0.00	41.53
10.20	-	-	-	41.49	0.00	0.00	41.49
10.25	-	-	-	41.45	0.00	0.00	41.45
10.30	-	-	-	41.40	0.00	0.00	41.40
10.35	-	-	-	41.36	0.00	0.00	41.36
10.40	-	-	-	41.32	0.00	0.00	41.32
10.45	-	-	-	41.28	0.00	0.00	41.28
10.50	-	-	-	41.24	0.00	0.00	41.24
10.55	-	-	-	41.20	0.00	0.00	41.20
10.60	-	-	-	41.16	0.00	0.00	41.16
10.65	-	-	-	41.12	0.00	0.00	41.12
10.70	-	-	-	41.08	0.00	0.00	41.08
10.75	-	-	-	41.05	0.00	0.00	41.05
10.80	-	-	-	41.01	0.00	0.00	41.01
10.85	-	-	-	40.97	0.00	0.00	40.97
10.90	-	-	-	40.94	0.00	0.00	40.94
10.95	-	-	-	40.90	0.00	0.00	40.90
11.00	-	-	-	40.86	0.00	0.00	40.86
11.05	-	-	-	40.83	0.00	0.00	40.83
11.10	-	-	-	40.79	0.00	0.00	40.79
11.15	-	-	-	40.76	0.00	0.00	40.76
11.20	-	-	-	40.73	0.00	0.00	40.73
11.25	-	-	-	40.69	0.00	0.00	40.69
11.30	-	-	-	40.66	0.00	0.00	40.66
11.35	-	-	-	40.63	0.00	0.00	40.63
11.40	-	-	-	40.59	0.00	0.00	40.59
11.45	-	-	-	40.56	0.00	0.00	40.56
11.50	-	-	-	40.53	0.00	0.00	40.53
11.55	-	-	-	40.50	0.00	0.00	40.50
11.60	-	-	-	40.47	0.00	0.00	40.47
11.65	-	-	-	40.44	0.00	0.00	40.44
11.70	-	-	-	40.41	0.00	0.00	40.41
11.75	-	-	-	40.38	0.00	0.00	40.38
11.80	-	-	-	40.35	0.00	0.00	40.35
11.85	-	-	-	40.32	0.00	0.00	40.32
11.90	-	-	-	40.29	0.00	0.00	40.29
11.95	-	-	-	40.26	0.00	0.00	40.26
12.00	-	-	-	40.23	0.00	0.00	40.23
12.05	-	-	-	40.21	0.00	0.00	40.21
12.10	-	-	-	40.18	0.00	0.00	40.18
12.15	-	-	-	40.15	0.00	0.00	40.15
12.20	-	-	-	40.13	0.00	0.00	40.13
12.25	-	-	-	40.10	0.00	0.00	40.10
12.30	-	-	-	40.07	0.00	0.00	40.07
12.35	-	-	-	40.05	0.00	0.00	40.05
12.40	-	-	-	40.02	0.00	0.00	40.02
12.45	-	-	-	40.00	0.00	0.00	40.00
12.50	-	-	-	39.97	0.00	0.00	39.97
12.55	-	-	-	39.95	0.00	0.00	39.95
12.60	-	-	-	39.92	0.00	0.00	39.92
12.65	-	-	-	39.90	0.00	0.00	39.90
12.70	-	-	-	39.87	0.00	0.00	39.87
12.75	-	-	-	39.85	0.00	0.00	39.85

12.80	-	-	-	39.83	0.00	0.00	39.83
12.85	-	-	-	39.81	0.00	0.00	39.81
12.90	-	-	-	39.78	0.00	0.00	39.78
12.95	-	-	-	39.76	0.00	0.00	39.76
13.00	-	-	-	39.74	0.00	0.00	39.74
13.05	-	-	-	39.72	0.00	0.00	39.72
13.10	-	-	-	39.69	0.00	0.00	39.69
13.15	-	-	-	39.67	0.00	0.00	39.67
13.20	-	-	-	39.65	0.00	0.00	39.65
13.25	-	-	-	39.63	0.00	0.00	39.63
13.30	-	-	-	39.61	0.00	0.00	39.61
13.35	-	-	-	39.59	0.00	0.00	39.59
13.40	-	-	-	39.57	0.00	0.00	39.57
13.45	-	-	-	39.55	0.00	0.00	39.55
13.50	-	-	-	39.53	0.00	0.00	39.53
13.55	-	-	-	39.51	0.00	0.00	39.51
13.60	-	-	-	39.49	0.00	0.00	39.49
13.65	-	-	-	39.47	0.00	0.00	39.47
13.70	-	-	-	39.45	0.00	0.00	39.45
13.75	-	-	-	39.44	0.00	0.00	39.44
13.80	-	-	-	39.42	0.00	0.00	39.42
13.85	-	-	-	39.40	0.00	0.00	39.40
13.90	-	-	-	39.38	0.00	0.00	39.38
13.95	-	-	-	39.36	0.00	0.00	39.36
14.00	-	-	-	39.35	0.00	0.00	39.35
14.05	-	-	-	39.33	0.00	0.00	39.33
14.10	-	-	-	39.31	0.00	0.00	39.31
14.15	-	-	-	39.30	0.00	0.00	39.30
14.20	-	-	-	39.28	0.00	0.00	39.28
14.25	-	-	-	39.26	0.00	0.00	39.26
14.30	-	-	-	39.25	0.00	0.00	39.25
14.35	-	-	-	39.23	0.00	0.00	39.23
14.40	-	-	-	39.22	0.00	0.00	39.22
14.45	-	-	-	39.20	0.00	0.00	39.20
14.50	-	-	-	39.18	0.00	0.00	39.18
14.55	-	-	-	39.17	0.00	0.00	39.17
14.60	-	-	-	39.15	0.00	0.00	39.15
14.65	-	-	-	39.14	0.00	0.00	39.14
14.70	-	-	-	39.13	0.00	0.00	39.13
14.75	-	-	-	39.11	0.00	0.00	39.11
14.80	-	-	-	43.70	0.00	0.00	43.70
14.85	-	-	-	43.68	0.00	0.00	43.68
14.90	-	-	-	43.67	0.00	0.00	43.67
14.95	-	-	-	43.65	0.00	0.00	43.65
15.00	-	-	-	43.63	0.00	0.00	43.63
15.05	-	-	-	43.56	1.01	0.00	43.56
15.10	-	-	-	43.49	2.02	0.00	43.49
15.15	-	-	-	43.41	3.03	0.00	43.41
15.20	-	-	-	43.34	4.04	0.00	43.34
15.25	-	-	-	43.33	5.05	0.00	43.33
15.30	-	-	-	43.44	6.06	0.00	43.44
15.35	-	-	-	43.63	7.07	0.00	43.63
15.40	-	-	-	43.93	8.08	0.00	43.93
15.45	-	-	-	44.31	9.09	0.00	44.31
15.50	-	-	-	44.76	10.10	0.00	44.76
15.55	-	-	-	45.24	11.11	0.00	45.24
15.60	-	-	-	45.74	12.12	0.00	45.74
15.65	-	-	-	46.24	13.13	0.00	46.24
15.70	-	-	-	46.72	14.14	0.00	46.72
15.75	-	-	-	47.19	15.15	0.00	47.19
15.80	-	-	-	47.64	16.16	0.00	47.64
15.85	-	-	-	48.07	17.17	0.00	48.07
15.90	-	-	-	48.49	18.18	0.00	48.49
15.95	-	-	-	48.89	19.19	0.00	48.89
16.00	-	-	-	49.28	20.20	0.00	49.28
16.05	-	-	-	49.66	21.21	0.00	49.66
16.10	-	-	-	50.03	22.22	0.00	50.03
16.15	-	-	-	50.40	23.23	0.00	50.40
16.20	-	-	-	50.75	24.24	0.00	50.75
16.25	-	-	-	51.10	25.25	0.00	51.10
16.30	-	-	-	51.45	26.26	0.00	51.45
16.35	-	-	-	51.79	27.27	0.00	51.79
16.40	-	-	-	52.13	28.28	0.00	52.13

16.45	-	-	-	52.47	29.29	0.00	52.47
16.50	-	-	-	52.81	30.30	0.00	52.81
16.55	-	-	-	53.15	31.31	0.00	53.15
16.60	-	-	-	53.49	32.32	0.00	53.49
16.65	-	-	-	53.83	33.33	0.00	53.83
16.70	-	-	-	54.17	34.34	0.00	54.17
16.75	-	-	-	54.51	35.35	0.00	54.51
16.80	-	-	-	54.43	36.36	0.00	54.43
16.85	-	-	-	54.36	37.37	0.00	54.36
16.90	-	-	-	54.28	38.38	0.00	54.28
16.95	-	-	-	54.21	39.39	0.00	54.21
17.00	-	-	-	54.14	40.40	0.00	54.14
17.05	-	-	-	54.06	41.41	0.00	54.06
17.10	-	-	-	53.99	42.42	0.00	53.99
17.15	-	-	-	53.92	43.43	0.00	53.92
17.20	-	-	-	53.85	44.44	0.00	53.85
17.25	-	-	-	53.78	45.45	0.00	53.78
17.30	-	-	-	53.71	46.46	0.00	53.71
17.35	-	-	-	53.64	47.47	0.00	53.64
17.40	-	-	-	53.57	48.48	0.00	53.57
17.45	-	-	-	53.50	49.49	0.00	53.50
17.50	-	-	-	53.43	50.50	0.00	53.43
17.55	-	-	-	53.36	51.51	0.00	53.36
17.60	-	-	-	53.29	52.52	0.00	53.29
17.65	-	-	-	53.22	53.53	0.00	53.22
17.70	-	-	-	53.15	54.54	0.00	53.15
17.75	-	-	-	53.08	55.55	0.00	53.08
17.80	-	-	-	53.02	56.56	0.00	53.02
17.85	-	-	-	52.95	57.57	0.00	52.95
17.90	-	-	-	52.88	58.58	0.00	52.88
17.95	-	-	-	52.81	59.59	0.00	52.81
18.00	-	-	-	52.75	60.60	0.00	52.75
18.05	-	-	-	52.68	61.61	0.00	52.68
18.10	-	-	-	52.62	62.62	0.00	52.62
18.15	-	-	-	52.55	63.63	0.00	52.55
18.20	-	-	-	52.49	64.64	0.00	52.49
18.25	-	-	-	52.42	65.65	0.00	52.42
18.30	-	-	-	52.36	66.66	0.00	52.36
18.35	-	-	-	52.29	67.67	0.00	52.29
18.40	-	-	-	52.23	68.68	0.00	52.23
18.45	-	-	-	52.16	69.69	0.00	52.16
18.50	-	-	-	52.10	70.70	0.00	52.10
18.55	-	-	-	52.04	71.71	0.00	52.04
18.60	-	-	-	51.97	72.72	0.00	51.97
18.65	-	-	-	51.91	73.73	0.00	51.91
18.70	-	-	-	51.85	74.74	0.00	51.85
18.75	-	-	-	51.79	75.75	0.00	51.79
18.80	-	-	-	51.73	76.76	0.00	51.73
18.85	-	-	-	51.66	77.77	0.00	51.66
18.90	-	-	-	51.60	78.78	0.00	51.60
18.95	-	-	-	51.54	79.79	0.00	51.54
19.00	-	-	-	51.48	80.80	0.00	51.48
19.05	-	-	-	51.42	81.81	0.00	51.42
19.10	-	-	-	51.36	82.82	0.00	51.36
19.15	-	-	-	51.30	83.83	0.00	51.30
19.20	-	-	-	51.24	84.84	0.00	51.24
19.25	-	-	-	51.18	85.85	0.00	51.18
19.30	-	-	-	51.12	86.86	0.00	51.12
19.35	-	-	-	51.06	87.87	0.00	51.06
19.40	-	-	-	51.00	88.88	0.00	51.00
19.45	-	-	-	50.95	89.89	0.00	50.95
19.50	-	-	-	50.89	90.90	0.00	50.89
19.55	-	-	-	50.83	91.91	0.00	50.83
19.60	-	-	-	50.77	92.92	0.00	50.77
19.65	-	-	-	50.71	93.93	0.00	50.71
19.70	-	-	-	50.66	94.94	0.00	50.66
19.75	-	-	-	50.60	95.95	0.00	50.60
19.80	-	-	-	50.54	96.96	0.00	50.54
19.85	-	-	-	50.49	97.97	0.00	50.49
19.90	-	-	-	50.43	98.98	0.00	50.43
19.95	-	-	-	50.37	99.99	0.00	50.37
20.00	-	-	-	50.32	NoLiq	0.00	50.32
20.05	-	-	-	50.04	NoLiq	0.00	50.04

20.10	-	-	-	49.75	NoLiq	0.00	49.75
20.15	-	-	-	49.47	NoLiq	0.00	49.47
20.20	-	-	-	49.19	NoLiq	0.00	49.19
20.25	-	-	-	48.92	NoLiq	0.00	48.92
20.30	-	-	-	48.64	NoLiq	0.00	48.64
20.35	-	-	-	48.36	NoLiq	0.00	48.36
20.40	-	-	-	48.08	NoLiq	0.00	48.08
20.45	-	-	-	47.81	NoLiq	0.00	47.81
20.50	-	-	-	47.53	NoLiq	0.00	47.53
20.55	-	-	-	47.26	NoLiq	0.00	47.26
20.60	-	-	-	46.98	NoLiq	0.00	46.98
20.65	-	-	-	46.71	NoLiq	0.00	46.71
20.70	-	-	-	46.44	NoLiq	0.00	46.44
20.75	-	-	-	46.17	NoLiq	0.00	46.17
20.80	-	-	-	45.90	NoLiq	0.00	45.90
20.85	-	-	-	45.63	NoLiq	0.00	45.63
20.90	-	-	-	45.36	NoLiq	0.00	45.36
20.95	-	-	-	45.09	NoLiq	0.00	45.09
21.00	-	-	-	44.82	NoLiq	0.00	44.82
21.05	-	-	-	44.55	NoLiq	0.00	44.55
21.10	-	-	-	44.29	NoLiq	0.00	44.29
21.15	-	-	-	44.02	NoLiq	0.00	44.02
21.20	-	-	-	43.75	NoLiq	0.00	43.75
21.25	-	-	-	43.49	NoLiq	0.00	43.49
21.30	-	-	-	43.23	NoLiq	0.00	43.23
21.35	-	-	-	42.96	NoLiq	0.00	42.96
21.40	-	-	-	42.70	NoLiq	0.00	42.70
21.45	-	-	-	42.44	NoLiq	0.00	42.44
21.50	-	-	-	42.18	NoLiq	0.00	42.18
21.55	-	-	-	41.91	NoLiq	0.00	41.91
21.60	-	-	-	41.65	NoLiq	0.00	41.65
21.65	-	-	-	41.40	NoLiq	0.00	41.40
21.70	-	-	-	41.14	NoLiq	0.00	41.14
21.75	-	-	-	40.88	NoLiq	0.00	40.88
21.80	-	-	-	40.62	NoLiq	0.00	40.62
21.85	-	-	-	40.36	NoLiq	0.00	40.36
21.90	-	-	-	40.11	NoLiq	0.00	40.11
21.95	-	-	-	39.85	NoLiq	0.00	39.85
22.00	-	-	-	39.60	NoLiq	0.00	39.60
22.05	-	-	-	39.34	NoLiq	0.00	39.34
22.10	-	-	-	39.09	NoLiq	0.00	39.09
22.15	-	-	-	38.84	NoLiq	0.00	38.84
22.20	-	-	-	38.58	NoLiq	0.00	38.58
22.25	-	-	-	38.33	NoLiq	0.00	38.33
22.30	-	-	-	38.08	NoLiq	0.00	38.08
22.35	-	-	-	37.83	NoLiq	0.00	37.83
22.40	-	-	-	37.58	NoLiq	0.00	37.58
22.45	-	-	-	37.33	NoLiq	0.00	37.33
22.50	-	-	-	37.08	NoLiq	0.00	37.08
22.55	-	-	-	36.83	NoLiq	0.00	36.83
22.60	-	-	-	36.58	NoLiq	0.00	36.58
22.65	-	-	-	36.34	NoLiq	0.00	36.34
22.70	-	-	-	36.09	NoLiq	0.00	36.09
22.75	-	-	-	35.84	NoLiq	0.00	35.84
22.80	-	-	-	35.60	NoLiq	0.00	35.60
22.85	-	-	-	35.35	NoLiq	0.00	35.35
22.90	-	-	-	35.11	NoLiq	0.00	35.11
22.95	-	-	-	34.86	NoLiq	0.00	34.86
23.00	-	-	-	34.62	NoLiq	0.00	34.62
23.05	-	-	-	34.38	NoLiq	0.00	34.38
23.10	-	-	-	34.14	NoLiq	0.00	34.14
23.15	-	-	-	33.89	NoLiq	0.00	33.89
23.20	-	-	-	33.65	NoLiq	0.00	33.65
23.25	-	-	-	33.41	NoLiq	0.00	33.41
23.30	-	-	-	33.17	NoLiq	0.00	33.17
23.35	-	-	-	32.93	NoLiq	0.00	32.93
23.40	-	-	-	32.69	NoLiq	0.00	32.69
23.45	-	-	-	32.46	NoLiq	0.00	32.46
23.50	-	-	-	32.22	NoLiq	0.00	32.22
23.55	-	-	-	31.98	NoLiq	0.00	31.98
23.60	-	-	-	31.74	NoLiq	0.00	31.74
23.65	-	-	-	31.51	NoLiq	0.00	31.51
23.70	-	-	-	31.27	NoLiq	0.00	31.27

23.75	-	-	-	31.04	NoLiq	0.00	31.04
23.80	-	-	-	30.80	NoLiq	0.00	30.80
23.85	-	-	-	30.57	NoLiq	0.00	30.57
23.90	-	-	-	30.33	NoLiq	0.00	30.33
23.95	-	-	-	30.10	NoLiq	0.00	30.10
24.00	-	-	-	29.87	NoLiq	0.00	29.87
24.05	-	-	-	29.64	NoLiq	0.00	29.64
24.10	-	-	-	29.42	NoLiq	0.00	29.42
24.15	-	-	-	29.20	NoLiq	0.00	29.20
24.20	-	-	-	28.98	NoLiq	0.00	28.98
24.25	-	-	-	28.76	NoLiq	0.00	28.76
24.30	-	-	-	28.54	NoLiq	0.00	28.54
24.35	-	-	-	28.32	NoLiq	0.00	28.32
24.40	-	-	-	28.11	NoLiq	0.00	28.11
24.45	-	-	-	27.89	NoLiq	0.00	27.89
24.50	-	-	-	27.67	NoLiq	0.00	27.67
24.55	-	-	-	27.46	NoLiq	0.00	27.46
24.60	-	-	-	27.24	NoLiq	0.00	27.24
24.65	-	-	-	27.02	NoLiq	0.00	27.02
24.70	-	-	-	26.81	NoLiq	0.00	26.81
24.75	-	-	-	26.59	NoLiq	0.00	26.59
24.80	-	-	-	26.37	NoLiq	0.00	26.37
24.85	-	-	-	26.16	NoLiq	0.00	26.16
24.90	-	-	-	25.94	NoLiq	0.00	25.94
24.95	-	-	-	25.73	NoLiq	0.00	25.73
25.00	-	-	-	25.51	NoLiq	0.00	25.51
25.05	-	-	-	25.50	NoLiq	0.00	25.50
25.10	-	-	-	25.49	NoLiq	0.00	25.49
25.15	-	-	-	25.48	NoLiq	0.00	25.48
25.20	-	-	-	25.47	NoLiq	0.00	25.47
25.25	-	-	-	25.46	NoLiq	0.00	25.46
25.30	-	-	-	25.45	NoLiq	0.00	25.45
25.35	-	-	-	25.44	NoLiq	0.00	25.44
25.40	-	-	-	25.43	NoLiq	0.00	25.43
25.45	-	-	-	25.42	NoLiq	0.00	25.42
25.50	-	-	-	25.41	NoLiq	0.00	25.41
25.55	-	-	-	25.40	NoLiq	0.00	25.40
25.60	-	-	-	25.40	NoLiq	0.00	25.40
25.65	-	-	-	25.39	NoLiq	0.00	25.39
25.70	-	-	-	25.38	NoLiq	0.00	25.38
25.75	-	-	-	25.37	NoLiq	0.00	25.37
25.80	-	-	-	25.36	NoLiq	0.00	25.36
25.85	-	-	-	25.35	NoLiq	0.00	25.35
25.90	-	-	-	25.34	NoLiq	0.00	25.34
25.95	-	-	-	25.33	NoLiq	0.00	25.33
26.00	-	-	-	25.32	NoLiq	0.00	25.32
26.05	-	-	-	25.31	NoLiq	0.00	25.31
26.10	-	-	-	25.30	NoLiq	0.00	25.30
26.15	-	-	-	25.29	NoLiq	0.00	25.29
26.20	-	-	-	25.28	NoLiq	0.00	25.28
26.25	-	-	-	25.27	NoLiq	0.00	25.27
26.30	-	-	-	25.26	NoLiq	0.00	25.26
26.35	-	-	-	25.25	NoLiq	0.00	25.25
26.40	-	-	-	25.24	NoLiq	0.00	25.24
26.45	-	-	-	25.23	NoLiq	0.00	25.23
26.50	-	-	-	25.22	NoLiq	0.00	25.22
26.55	-	-	-	25.21	NoLiq	0.00	25.21
26.60	-	-	-	25.20	NoLiq	0.00	25.20
26.65	-	-	-	25.19	NoLiq	0.00	25.19
26.70	-	-	-	25.18	NoLiq	0.00	25.18
26.75	-	-	-	25.18	NoLiq	0.00	25.18
26.80	-	-	-	25.17	NoLiq	0.00	25.17
26.85	-	-	-	25.16	NoLiq	0.00	25.16
26.90	-	-	-	25.15	NoLiq	0.00	25.15
26.95	-	-	-	25.14	NoLiq	0.00	25.14
27.00	-	-	-	25.13	NoLiq	0.00	25.13
27.05	-	-	-	25.12	NoLiq	0.00	25.12
27.10	-	-	-	25.11	NoLiq	0.00	25.11
27.15	-	-	-	25.10	NoLiq	0.00	25.10
27.20	-	-	-	25.09	NoLiq	0.00	25.09
27.25	-	-	-	25.08	NoLiq	0.00	25.08
27.30	-	-	-	25.07	NoLiq	0.00	25.07
27.35	-	-	-	25.06	NoLiq	0.00	25.06

27.40	-	-	-	25.05	NoLiq	0.00	25.05
27.45	-	-	-	25.04	NoLiq	0.00	25.04
27.50	-	-	-	25.04	NoLiq	0.00	25.04
27.55	-	-	-	25.03	NoLiq	0.00	25.03
27.60	-	-	-	25.02	NoLiq	0.00	25.02
27.65	-	-	-	25.01	NoLiq	0.00	25.01
27.70	-	-	-	25.00	NoLiq	0.00	25.00
27.75	-	-	-	24.99	NoLiq	0.00	24.99
27.80	-	-	-	24.98	NoLiq	0.00	24.98
27.85	-	-	-	24.97	NoLiq	0.00	24.97
27.90	-	-	-	26.01	NoLiq	0.00	26.01
27.95	-	-	-	26.00	NoLiq	0.00	26.00
28.00	-	-	-	25.99	NoLiq	0.00	25.99
28.05	-	-	-	25.98	NoLiq	0.00	25.98
28.10	-	-	-	25.97	NoLiq	0.00	25.97
28.15	-	-	-	25.96	NoLiq	0.00	25.96
28.20	-	-	-	25.95	NoLiq	0.00	25.95
28.25	-	-	-	25.94	NoLiq	0.00	25.94
28.30	-	-	-	25.94	NoLiq	0.00	25.94
28.35	-	-	-	25.93	NoLiq	0.00	25.93
28.40	-	-	-	25.92	NoLiq	0.00	25.92
28.45	-	-	-	25.91	NoLiq	0.00	25.91
28.50	-	-	-	25.90	NoLiq	0.00	25.90
28.55	-	-	-	25.89	NoLiq	0.00	25.89
28.60	-	-	-	25.88	NoLiq	0.00	25.88
28.65	-	-	-	25.87	NoLiq	0.00	25.87
28.70	-	-	-	25.86	NoLiq	0.00	25.86
28.75	-	-	-	25.85	NoLiq	0.00	25.85
28.80	-	-	-	25.84	NoLiq	0.00	25.84
28.85	-	-	-	25.83	NoLiq	0.00	25.83
28.90	-	-	-	25.82	NoLiq	0.00	25.82
28.95	-	-	-	25.81	NoLiq	0.00	25.81
29.00	-	-	-	25.80	NoLiq	0.00	25.80
29.05	-	-	-	25.79	NoLiq	0.00	25.79
29.10	-	-	-	25.78	NoLiq	0.00	25.78
29.15	-	-	-	25.77	NoLiq	0.00	25.77
29.20	-	-	-	25.76	NoLiq	0.00	25.76
29.25	-	-	-	25.75	NoLiq	0.00	25.75
29.30	-	-	-	25.75	NoLiq	0.00	25.75
29.35	-	-	-	25.74	NoLiq	0.00	25.74
29.40	-	-	-	25.73	NoLiq	0.00	25.73
29.45	-	-	-	25.72	NoLiq	0.00	25.72
29.50	-	-	-	25.71	NoLiq	0.00	25.71
29.55	-	-	-	25.70	NoLiq	0.00	25.70
29.60	-	-	-	25.69	NoLiq	0.00	25.69
29.65	-	-	-	25.68	NoLiq	0.00	25.68
29.70	-	-	-	25.67	NoLiq	0.00	25.67
29.75	-	-	-	25.66	NoLiq	0.00	25.66
29.80	-	-	-	25.65	NoLiq	0.00	25.65
29.85	-	-	-	25.64	NoLiq	0.00	25.64
29.90	-	-	-	25.63	NoLiq	0.00	25.63
29.95	-	-	-	25.62	NoLiq	0.00	25.62
30.00	-	-	-	25.62	NoLiq	0.00	25.62
30.05	-	-	-	25.55	NoLiq	0.00	25.55
30.10	-	-	-	25.48	NoLiq	0.00	25.48
30.15	-	-	-	25.42	NoLiq	0.00	25.42
30.20	-	-	-	25.35	NoLiq	0.00	25.35
30.25	-	-	-	25.29	NoLiq	0.00	25.29
30.30	-	-	-	25.22	NoLiq	0.00	25.22
30.35	-	-	-	25.16	NoLiq	0.00	25.16
30.40	-	-	-	25.09	NoLiq	0.00	25.09
30.45	-	-	-	25.03	NoLiq	0.00	25.03
30.50	-	-	-	24.96	NoLiq	0.00	24.96
30.55	-	-	-	24.90	NoLiq	0.00	24.90
30.60	-	-	-	24.83	NoLiq	0.00	24.83
30.65	-	-	-	24.77	NoLiq	0.00	24.77
30.70	-	-	-	24.71	NoLiq	0.00	24.71
30.75	-	-	-	24.64	NoLiq	0.00	24.64
30.80	-	-	-	24.58	NoLiq	0.00	24.58
30.85	-	-	-	24.51	NoLiq	0.00	24.51
30.90	-	-	-	24.45	NoLiq	0.00	24.45
30.95	-	-	-	24.38	NoLiq	0.00	24.38
31.00	-	-	-	24.32	NoLiq	0.00	24.32

31.05	-	-	-	24.25	NoLiq	0.00	24.25
31.10	-	-	-	24.19	NoLiq	0.00	24.19
31.15	-	-	-	24.13	NoLiq	0.00	24.13
31.20	-	-	-	24.06	NoLiq	0.00	24.06
31.25	-	-	-	24.00	NoLiq	0.00	24.00
31.30	-	-	-	23.94	NoLiq	0.00	23.94
31.35	-	-	-	23.87	NoLiq	0.00	23.87
31.40	-	-	-	23.81	NoLiq	0.00	23.81
31.45	-	-	-	23.74	NoLiq	0.00	23.74
31.50	-	-	-	23.68	NoLiq	0.00	23.68
31.55	-	-	-	23.62	NoLiq	0.00	23.62
31.60	-	-	-	23.55	NoLiq	0.00	23.55
31.65	-	-	-	23.49	NoLiq	0.00	23.49
31.70	-	-	-	23.43	NoLiq	0.00	23.43
31.75	-	-	-	23.36	NoLiq	0.00	23.36
31.80	-	-	-	23.30	NoLiq	0.00	23.30
31.85	-	-	-	23.24	NoLiq	0.00	23.24
31.90	-	-	-	23.17	NoLiq	0.00	23.17
31.95	-	-	-	23.11	NoLiq	0.00	23.11
32.00	-	-	-	23.05	NoLiq	0.00	23.05
32.05	-	-	-	22.98	NoLiq	0.00	22.98
32.10	-	-	-	22.92	NoLiq	0.00	22.92
32.15	-	-	-	22.86	NoLiq	0.00	22.86
32.20	-	-	-	22.80	NoLiq	0.00	22.80
32.25	-	-	-	22.73	NoLiq	0.00	22.73
32.30	-	-	-	22.67	NoLiq	0.00	22.67
32.35	-	-	-	22.61	NoLiq	0.00	22.61
32.40	-	-	-	22.55	NoLiq	0.00	22.55
32.45	-	-	-	22.48	NoLiq	0.00	22.48
32.50	-	-	-	22.42	NoLiq	0.00	22.42
32.55	-	-	-	22.36	NoLiq	0.00	22.36
32.60	-	-	-	22.30	NoLiq	0.00	22.30
32.65	-	-	-	22.23	NoLiq	0.00	22.23
32.70	-	-	-	22.17	NoLiq	0.00	22.17
32.75	-	-	-	22.11	NoLiq	0.00	22.11
32.80	-	-	-	22.05	NoLiq	0.00	22.05
32.85	-	-	-	21.99	NoLiq	0.00	21.99
32.90	-	-	-	21.92	NoLiq	0.00	21.92
32.95	-	-	-	21.86	NoLiq	0.00	21.86
33.00	-	-	-	21.80	NoLiq	0.00	21.80
33.05	-	-	-	21.74	NoLiq	0.00	21.74
33.10	-	-	-	21.68	NoLiq	0.00	21.68
33.15	-	-	-	21.61	NoLiq	0.00	21.61
33.20	-	-	-	21.55	NoLiq	0.00	21.55
33.25	-	-	-	21.49	NoLiq	0.00	21.49
33.30	-	-	-	21.43	NoLiq	0.00	21.43
33.35	-	-	-	21.37	NoLiq	0.00	21.37
33.40	-	-	-	21.31	NoLiq	0.00	21.31
33.45	-	-	-	21.25	NoLiq	0.00	21.25
33.50	-	-	-	21.18	NoLiq	0.00	21.18
33.55	-	-	-	21.12	NoLiq	0.00	21.12
33.60	-	-	-	21.06	NoLiq	0.00	21.06
33.65	-	-	-	21.00	NoLiq	0.00	21.00
33.70	-	-	-	20.94	NoLiq	0.00	20.94
33.75	-	-	-	20.88	NoLiq	0.00	20.88
33.80	-	-	-	20.82	NoLiq	0.00	20.82
33.85	-	-	-	20.76	NoLiq	0.00	20.76
33.90	-	-	-	20.70	NoLiq	0.00	20.70
33.95	-	-	-	20.63	NoLiq	0.00	20.63
34.00	-	-	-	20.57	NoLiq	0.00	20.57
34.05	-	-	-	20.51	NoLiq	0.00	20.51
34.10	-	-	-	20.45	NoLiq	0.00	20.45
34.15	-	-	-	20.39	NoLiq	0.00	20.39
34.20	-	-	-	20.33	NoLiq	0.00	20.33
34.25	-	-	-	20.27	NoLiq	0.00	20.27
34.30	-	-	-	20.21	NoLiq	0.00	20.21
34.35	-	-	-	20.15	NoLiq	0.00	20.15
34.40	-	-	-	20.09	NoLiq	0.00	20.09
34.45	-	-	-	20.03	NoLiq	0.00	20.03
34.50	-	-	-	19.97	NoLiq	0.00	19.97
34.55	-	-	-	19.91	NoLiq	0.00	19.91
34.60	-	-	-	19.85	NoLiq	0.00	19.85
34.65	-	-	-	19.79	NoLiq	0.00	19.79

34.70	-	-	-	19.73	NoLiq	0.00	19.73
34.75	-	-	-	19.67	NoLiq	0.00	19.67
34.80	-	-	-	19.61	NoLiq	0.00	19.61
34.85	-	-	-	19.55	NoLiq	0.00	19.55
34.90	-	-	-	19.49	NoLiq	0.00	19.49
34.95	-	-	-	19.43	NoLiq	0.00	19.43
35.00	-	-	-	19.37	NoLiq	0.00	19.37
35.05	-	-	-	19.36	NoLiq	0.00	19.36
35.10	-	-	-	19.36	NoLiq	0.00	19.36
35.15	-	-	-	19.35	NoLiq	0.00	19.35
35.20	-	-	-	19.35	NoLiq	0.00	19.35
35.25	-	-	-	19.34	NoLiq	0.00	19.34
35.30	-	-	-	19.34	NoLiq	0.00	19.34
35.35	-	-	-	19.33	NoLiq	0.00	19.33
35.40	-	-	-	19.32	NoLiq	0.00	19.32
35.45	-	-	-	19.32	NoLiq	0.00	19.32
35.50	-	-	-	19.31	NoLiq	0.00	19.31
35.55	-	-	-	19.31	NoLiq	0.00	19.31
35.60	-	-	-	19.30	NoLiq	0.00	19.30
35.65	-	-	-	19.30	NoLiq	0.00	19.30
35.70	-	-	-	19.29	NoLiq	0.00	19.29
35.75	-	-	-	19.28	NoLiq	0.00	19.28
35.80	-	-	-	19.28	NoLiq	0.00	19.28
35.85	-	-	-	19.27	NoLiq	0.00	19.27
35.90	-	-	-	19.27	NoLiq	0.00	19.27
35.95	-	-	-	19.26	NoLiq	0.00	19.26
36.00	-	-	-	19.26	NoLiq	0.00	19.26
36.05	-	-	-	19.25	NoLiq	0.00	19.25
36.10	-	-	-	19.24	NoLiq	0.00	19.24
36.15	-	-	-	19.24	NoLiq	0.00	19.24
36.20	-	-	-	19.23	NoLiq	0.00	19.23
36.25	-	-	-	19.23	NoLiq	0.00	19.23
36.30	-	-	-	19.22	NoLiq	0.00	19.22
36.35	-	-	-	19.22	NoLiq	0.00	19.22
36.40	-	-	-	19.21	NoLiq	0.00	19.21
36.45	-	-	-	19.21	NoLiq	0.00	19.21
36.50	-	-	-	19.20	NoLiq	0.00	19.20
36.55	-	-	-	19.19	NoLiq	0.00	19.19
36.60	-	-	-	19.19	NoLiq	0.00	19.19
36.65	-	-	-	19.18	NoLiq	0.00	19.18
36.70	-	-	-	19.18	NoLiq	0.00	19.18
36.75	-	-	-	19.17	NoLiq	0.00	19.17
36.80	-	-	-	19.17	NoLiq	0.00	19.17
36.85	-	-	-	19.16	NoLiq	0.00	19.16
36.90	-	-	-	19.16	NoLiq	0.00	19.16
36.95	-	-	-	19.15	NoLiq	0.00	19.15
37.00	-	-	-	19.14	NoLiq	0.00	19.14
37.05	-	-	-	19.14	NoLiq	0.00	19.14
37.10	-	-	-	19.13	NoLiq	0.00	19.13
37.15	-	-	-	19.13	NoLiq	0.00	19.13
37.20	-	-	-	19.12	NoLiq	0.00	19.12
37.25	-	-	-	19.12	NoLiq	0.00	19.12
37.30	-	-	-	19.11	NoLiq	0.00	19.11
37.35	-	-	-	19.11	NoLiq	0.00	19.11
37.40	-	-	-	19.10	NoLiq	0.00	19.10
37.45	-	-	-	19.10	NoLiq	0.00	19.10
37.50	-	-	-	19.09	NoLiq	0.00	19.09
37.55	-	-	-	19.09	NoLiq	0.00	19.09
37.60	-	-	-	19.08	NoLiq	0.00	19.08
37.65	-	-	-	19.07	NoLiq	0.00	19.07
37.70	-	-	-	19.07	NoLiq	0.00	19.07
37.75	-	-	-	19.06	NoLiq	0.00	19.06
37.80	-	-	-	19.06	NoLiq	0.00	19.06
37.85	-	-	-	19.05	NoLiq	0.00	19.05
37.90	-	-	-	19.05	NoLiq	0.00	19.05
37.95	-	-	-	19.04	NoLiq	0.00	19.04
38.00	-	-	-	19.04	NoLiq	0.00	19.04
38.05	-	-	-	19.03	NoLiq	0.00	19.03
38.10	-	-	-	19.03	NoLiq	0.00	19.03
38.15	-	-	-	19.02	NoLiq	0.00	19.02
38.20	-	-	-	19.02	NoLiq	0.00	19.02
38.25	-	-	-	19.01	NoLiq	0.00	19.01
38.30	-	-	-	19.01	NoLiq	0.00	19.01

38.35	-	-	-	19.00	NoLiq	0.00	19.00
38.40	-	-	-	19.00	NoLiq	0.00	19.00
38.45	-	-	-	18.99	NoLiq	0.00	18.99
38.50	-	-	-	18.98	NoLiq	0.00	18.98
38.55	-	-	-	18.98	NoLiq	0.00	18.98
38.60	-	-	-	18.97	NoLiq	0.00	18.97
38.65	-	-	-	18.97	NoLiq	0.00	18.97
38.70	-	-	-	18.96	NoLiq	0.00	18.96
38.75	-	-	-	18.96	NoLiq	0.00	18.96
38.80	-	-	-	18.95	NoLiq	0.00	18.95
38.85	-	-	-	18.95	NoLiq	0.00	18.95
38.90	-	-	-	18.94	NoLiq	0.00	18.94
38.95	-	-	-	18.94	NoLiq	0.00	18.94
39.00	-	-	-	18.93	NoLiq	0.00	18.93
39.05	-	-	-	18.93	NoLiq	0.00	18.93
39.10	-	-	-	18.92	NoLiq	0.00	18.92
39.15	-	-	-	18.92	NoLiq	0.00	18.92
39.20	-	-	-	18.91	NoLiq	0.00	18.91
39.25	-	-	-	18.91	NoLiq	0.00	18.91
39.30	-	-	-	18.90	NoLiq	0.00	18.90
39.35	-	-	-	18.90	NoLiq	0.00	18.90
39.40	-	-	-	18.89	NoLiq	0.00	18.89
39.45	-	-	-	18.89	NoLiq	0.00	18.89
39.50	-	-	-	18.88	NoLiq	0.00	18.88
39.55	-	-	-	18.88	NoLiq	0.00	18.88
39.60	-	-	-	18.87	NoLiq	0.00	18.87
39.65	-	-	-	18.87	NoLiq	0.00	18.87
39.70	-	-	-	18.86	NoLiq	0.00	18.86
39.75	-	-	-	18.86	NoLiq	0.00	18.86
39.80	-	-	-	18.85	NoLiq	0.00	18.85
39.85	-	-	-	18.85	NoLiq	0.00	18.85
39.90	-	-	-	18.84	NoLiq	0.00	18.84
39.95	-	-	-	18.84	NoLiq	0.00	18.84
40.00	-	-	-	18.83	NoLiq	0.00	18.83
40.05	-	-	-	18.98	NoLiq	0.00	18.98
40.10	-	-	-	19.13	99.16	0.00	19.13
40.15	-	-	-	19.28	98.23	0.00	19.28
40.20	-	-	-	19.43	97.31	0.00	19.43
40.25	-	-	-	19.58	96.38	0.00	19.58
40.30	-	-	-	19.73	95.46	0.00	19.73
40.35	-	-	-	19.88	94.53	0.00	19.88
40.40	-	-	-	20.03	93.61	0.00	20.03
40.45	-	-	-	20.18	92.68	0.00	20.18
40.50	-	-	-	20.33	91.76	0.00	20.33
40.55	-	-	-	20.48	90.83	0.00	20.48
40.60	-	-	-	20.63	89.91	0.00	20.63
40.65	-	-	-	20.78	88.98	0.00	20.78
40.70	-	-	-	20.93	88.06	0.00	20.93
40.75	-	-	-	21.08	87.13	0.00	21.08
40.80	-	-	-	21.23	86.21	0.00	21.23
40.85	-	-	-	21.37	85.28	0.00	21.37
40.90	-	-	-	21.52	84.36	0.00	21.52
40.95	-	-	-	21.67	83.43	0.00	21.67
41.00	-	-	-	21.82	82.51	0.00	21.82
41.05	-	-	-	21.97	81.58	0.00	21.97
41.10	-	-	-	22.12	80.66	0.00	22.12
41.15	-	-	-	22.27	79.73	0.00	22.27
41.20	-	-	-	22.41	78.81	0.00	22.41
41.25	-	-	-	22.56	77.88	0.00	22.56
41.30	-	-	-	22.71	76.96	0.00	22.71
41.35	-	-	-	22.86	76.03	0.00	22.86
41.40	-	-	-	23.00	75.11	0.00	23.00
41.45	-	-	-	23.15	74.18	0.00	23.15
41.50	-	-	-	23.30	73.26	0.00	23.30
41.55	-	-	-	23.45	72.33	0.00	23.45
41.60	-	-	-	23.59	71.41	0.00	23.59
41.65	-	-	-	23.74	70.48	0.00	23.74
41.70	-	-	-	23.89	69.56	0.00	23.89
41.75	-	-	-	24.04	68.63	0.00	24.04
41.80	-	-	-	24.18	67.71	0.00	24.18
41.85	-	-	-	24.33	66.78	0.00	24.33
41.90	-	-	-	24.48	65.86	0.00	24.48
41.95	-	-	-	24.62	64.93	0.00	24.62

42.00	-	-	-	24.77	64.01	0.00	24.77
42.05	-	-	-	24.92	63.08	0.00	24.92
42.10	-	-	-	25.06	62.16	0.00	25.06
42.15	-	-	-	25.21	61.23	0.00	25.21
42.20	-	-	-	25.35	60.31	0.00	25.35
42.25	-	-	-	25.50	59.38	0.00	25.50
42.30	-	-	-	25.65	58.46	0.00	25.65
42.35	-	-	-	25.79	57.53	0.00	25.79
42.40	-	-	-	25.94	56.61	0.00	25.94
42.45	-	-	-	26.08	55.68	0.00	26.08
42.50	-	-	-	26.23	54.76	0.00	26.23
42.55	-	-	-	26.37	53.83	0.00	26.37
42.60	-	-	-	26.52	52.91	0.00	26.52
42.65	-	-	-	26.66	51.98	0.00	26.66
42.70	-	-	-	26.81	51.06	0.00	26.81
42.75	-	-	-	26.95	50.13	0.00	26.95
42.80	-	-	-	27.10	49.21	0.00	27.10
42.85	-	-	-	27.24	48.28	0.00	27.24
42.90	-	-	-	27.39	47.36	0.00	27.39
42.95	-	-	-	27.53	46.43	0.00	27.53
43.00	-	-	-	27.68	45.51	0.00	27.68
43.05	-	-	-	27.82	44.58	0.00	27.82
43.10	-	-	-	27.97	43.66	0.00	27.97
43.15	-	-	-	28.11	42.73	0.00	28.11
43.20	-	-	-	28.25	41.81	0.00	28.25
43.25	-	-	-	28.40	40.88	0.00	28.40
43.30	-	-	-	28.54	39.96	0.00	28.54
43.35	-	-	-	28.69	39.03	0.00	28.69
43.40	-	-	-	28.83	38.11	0.00	28.83
43.45	-	-	-	28.97	37.18	0.00	28.97
43.50	-	-	-	29.12	36.26	0.00	29.12
43.55	-	-	-	29.26	35.33	0.00	29.26
43.60	-	-	-	29.19	34.41	0.00	29.19
43.65	-	-	-	29.12	33.48	0.00	29.12
43.70	-	-	-	29.05	32.56	0.00	29.05
43.75	-	-	-	28.98	31.63	0.00	28.98
43.80	-	-	-	28.90	30.71	0.00	28.90
43.85	-	-	-	28.82	29.78	0.00	28.82
43.90	-	-	-	28.73	28.86	0.00	28.73
43.95	-	-	-	28.64	27.93	0.00	28.64
44.00	-	-	-	28.54	27.01	0.00	28.54
44.05	-	-	-	28.44	26.08	0.00	28.44
44.10	-	-	-	28.33	25.16	0.00	28.33
44.15	-	-	-	28.22	24.23	0.00	28.22
44.20	-	-	-	28.09	23.31	0.00	28.09
44.25	-	-	-	27.96	22.38	0.00	27.96
44.30	-	-	-	27.81	21.46	0.00	27.81
44.35	-	-	-	27.66	20.53	0.00	27.66
44.40	-	-	-	27.49	19.61	0.00	27.49
44.45	-	-	-	27.31	18.68	0.00	27.31
44.50	-	-	-	27.11	17.76	0.00	27.11
44.55	-	-	-	26.90	16.83	0.00	26.90
44.60	-	-	-	26.67	15.91	0.00	26.67
44.65	-	-	-	26.41	14.98	0.00	26.41
44.70	-	-	-	26.15	14.06	0.00	26.15
44.75	-	-	-	25.86	13.13	0.00	25.86
44.80	-	-	-	25.56	12.21	0.00	25.56
44.85	-	-	-	25.25	11.28	0.00	25.25
44.90	-	-	-	24.95	10.36	0.00	24.95
44.95	-	-	-	24.66	9.43	0.00	24.66
45.00	-	-	-	24.42	8.51	0.00	24.42
45.05	-	-	-	24.41	8.50	0.00	24.41
45.10	-	-	-	24.40	8.50	0.00	24.40
45.15	-	-	-	24.39	8.50	0.00	24.39
45.20	-	-	-	24.39	8.50	0.00	24.39
45.25	-	-	-	24.38	8.50	0.00	24.38
45.30	-	-	-	24.37	8.50	0.00	24.37
45.35	-	-	-	24.36	8.50	0.00	24.36
45.40	-	-	-	24.35	8.50	0.00	24.35
45.45	-	-	-	24.35	8.50	0.00	24.35
45.50	-	-	-	24.34	8.50	0.00	24.34
45.55	-	-	-	24.33	8.50	0.00	24.33
45.60	-	-	-	24.32	8.50	0.00	24.32

45.65	-	-	-	24.31	8.50	0.00	24.31
45.70	-	-	-	24.30	8.50	0.00	24.30
45.75	-	-	-	24.30	8.50	0.00	24.30
45.80	-	-	-	24.29	8.50	0.00	24.29
45.85	-	-	-	24.28	8.50	0.00	24.28
45.90	-	-	-	24.27	8.50	0.00	24.27
45.95	-	-	-	24.26	8.50	0.00	24.26
46.00	-	-	-	24.26	8.50	0.00	24.26
46.05	-	-	-	24.25	8.50	0.00	24.25
46.10	-	-	-	24.24	8.50	0.00	24.24
46.15	-	-	-	24.23	8.50	0.00	24.23
46.20	-	-	-	24.22	8.50	0.00	24.22
46.25	-	-	-	24.21	8.50	0.00	24.21
46.30	-	-	-	24.21	8.50	0.00	24.21
46.35	-	-	-	24.20	8.50	0.00	24.20
46.40	-	-	-	24.19	8.50	0.00	24.19
46.45	-	-	-	24.18	8.50	0.00	24.18
46.50	-	-	-	24.17	8.50	0.00	24.17
46.55	-	-	-	24.17	8.50	0.00	24.17
46.60	-	-	-	24.16	8.50	0.00	24.16
46.65	-	-	-	24.15	8.50	0.00	24.15
46.70	-	-	-	24.14	8.50	0.00	24.14
46.75	-	-	-	24.13	8.50	0.00	24.13
46.80	-	-	-	24.12	8.50	0.00	24.12
46.85	-	-	-	24.12	8.50	0.00	24.12
46.90	-	-	-	24.11	8.50	0.00	24.11
46.95	-	-	-	24.10	8.50	0.00	24.10
47.00	-	-	-	24.09	8.50	0.00	24.09
47.05	-	-	-	24.08	8.50	0.00	24.08
47.10	-	-	-	24.07	8.50	0.00	24.07
47.15	-	-	-	24.07	8.50	0.00	24.07
47.20	-	-	-	24.06	8.50	0.00	24.06
47.25	-	-	-	24.05	8.50	0.00	24.05
47.30	-	-	-	24.04	8.50	0.00	24.04
47.35	-	-	-	24.03	8.50	0.00	24.03
47.40	-	-	-	24.03	8.50	0.00	24.03
47.45	-	-	-	24.02	8.50	0.00	24.02
47.50	-	-	-	24.01	8.50	0.00	24.01
47.55	-	-	-	24.00	8.50	0.00	24.00
47.60	-	-	-	23.99	8.50	0.00	23.99
47.65	-	-	-	23.98	8.50	0.00	23.98
47.70	-	-	-	23.98	8.50	0.00	23.98
47.75	-	-	-	23.97	8.50	0.00	23.97
47.80	-	-	-	23.96	8.50	0.00	23.96
47.85	-	-	-	23.95	8.50	0.00	23.95
47.90	-	-	-	23.94	8.50	0.00	23.94
47.95	-	-	-	23.93	8.50	0.00	23.93
48.00	-	-	-	23.93	8.50	0.00	23.93
48.05	-	-	-	23.92	8.50	0.00	23.92
48.10	-	-	-	23.91	8.50	0.00	23.91
48.15	-	-	-	23.90	8.50	0.00	23.90
48.20	-	-	-	23.89	8.50	0.00	23.89
48.25	-	-	-	23.88	8.50	0.00	23.88
48.30	-	-	-	23.88	8.50	0.00	23.88
48.35	-	-	-	23.87	8.50	0.00	23.87
48.40	-	-	-	23.86	8.50	0.00	23.86
48.45	-	-	-	23.85	8.50	0.00	23.85
48.50	-	-	-	23.84	8.50	0.00	23.84
48.55	-	-	-	23.83	8.50	0.00	23.83
48.60	-	-	-	23.83	8.50	0.00	23.83
48.65	-	-	-	23.82	8.50	0.00	23.82
48.70	-	-	-	23.81	8.50	0.00	23.81
48.75	-	-	-	23.80	8.50	0.00	23.80
48.80	-	-	-	23.79	8.50	0.00	23.79
48.85	-	-	-	23.78	8.50	0.00	23.78
48.90	-	-	-	23.78	8.50	0.00	23.78
48.95	-	-	-	23.77	8.50	0.00	23.77
49.00	-	-	-	23.76	8.50	0.00	23.76
49.05	-	-	-	23.75	8.50	0.00	23.75
49.10	-	-	-	23.74	8.50	0.00	23.74
49.15	-	-	-	23.73	8.50	0.00	23.73
49.20	-	-	-	23.73	8.50	0.00	23.73
49.25	-	-	-	23.72	8.50	0.00	23.72

49.30	-	-	-	23.71	8.50	0.00	23.71
49.35	-	-	-	23.70	8.50	0.00	23.70
49.40	-	-	-	23.69	8.50	0.00	23.69
49.45	-	-	-	23.68	8.50	0.00	23.68
49.50	-	-	-	23.68	8.50	0.00	23.68
49.55	-	-	-	23.67	8.50	0.00	23.67
49.60	-	-	-	23.66	8.50	0.00	23.66
49.65	-	-	-	23.65	8.50	0.00	23.65
49.70	-	-	-	23.64	8.50	0.00	23.64
49.75	-	-	-	23.63	8.50	0.00	23.63
49.80	-	-	-	23.63	8.50	0.00	23.63
49.85	-	-	-	23.62	8.50	0.00	23.62
49.90	-	-	-	23.61	8.50	0.00	23.61
49.95	-	-	-	23.60	8.50	0.00	23.60
50.00	-	-	-	23.59	8.50	0.00	23.59
50.05	-	-	-	23.95	8.50	0.00	23.95
50.10	-	-	-	24.31	8.50	0.00	24.31
50.15	-	-	-	24.67	8.50	0.00	24.67
50.20	-	-	-	25.03	8.50	0.00	25.03
50.25	-	-	-	25.38	8.50	0.00	25.38
50.30	-	-	-	25.74	8.50	0.00	25.74
50.35	-	-	-	26.10	8.50	0.00	26.10
50.40	-	-	-	26.46	8.50	0.00	26.46
50.45	-	-	-	26.82	8.50	0.00	26.82
50.50	-	-	-	27.17	8.50	0.00	27.17
50.55	-	-	-	27.53	8.50	0.00	27.53
50.60	-	-	-	27.89	8.50	0.00	27.89
50.65	-	-	-	28.24	8.50	0.00	28.24
50.70	-	-	-	28.60	8.50	0.00	28.60
50.75	-	-	-	28.96	8.50	0.00	28.96
50.80	-	-	-	29.31	8.50	0.00	29.31
50.85	-	-	-	29.67	8.50	0.00	29.67
50.90	-	-	-	30.02	8.50	0.00	30.02
50.95	-	-	-	30.38	8.50	0.00	30.38
51.00	-	-	-	30.73	8.50	0.00	30.73
51.05	-	-	-	31.09	8.50	0.00	31.09
51.10	-	-	-	31.44	8.50	0.00	31.44
51.15	-	-	-	31.80	8.50	0.00	31.80
51.20	-	-	-	32.15	8.50	0.00	32.15
51.25	-	-	-	32.50	8.50	0.00	32.50
51.30	-	-	-	32.86	8.50	0.00	32.86
51.35	-	-	-	33.21	8.50	0.00	33.21
51.40	-	-	-	33.56	8.50	0.00	33.56
51.45	-	-	-	33.92	8.50	0.00	33.92
51.50	-	-	-	34.27	8.50	0.00	34.27
51.55	-	-	-	34.62	8.50	0.00	34.62
51.60	-	-	-	34.97	8.50	0.00	34.97
51.65	-	-	-	35.32	8.50	0.00	35.32
51.70	-	-	-	35.67	8.50	0.00	35.67
51.75	-	-	-	36.03	8.50	0.00	36.03
51.80	-	-	-	36.38	8.50	0.00	36.38
51.85	-	-	-	36.73	8.50	0.00	36.73
51.90	-	-	-	37.08	8.50	0.00	37.08
51.95	-	-	-	37.43	8.50	0.00	37.43
52.00	-	-	-	37.78	8.50	0.00	37.78
52.05	-	-	-	38.13	8.50	0.00	38.13
52.10	-	-	-	38.48	8.50	0.00	38.48
52.15	-	-	-	38.83	8.50	0.00	38.83
52.20	-	-	-	39.18	8.50	0.00	39.18
52.25	-	-	-	39.52	8.50	0.00	39.52
52.30	-	-	-	39.87	8.50	0.00	39.87
52.35	-	-	-	40.22	8.50	0.00	40.22
52.40	-	-	-	40.57	8.50	0.00	40.57
52.45	-	-	-	40.92	8.50	0.00	40.92
52.50	-	-	-	41.26	8.50	0.00	41.26
52.55	-	-	-	41.61	8.50	0.00	41.61
52.60	-	-	-	41.96	8.50	0.00	41.96
52.65	-	-	-	42.31	8.50	0.00	42.31
52.70	-	-	-	42.65	8.50	0.00	42.65
52.75	-	-	-	43.00	8.50	0.00	43.00
52.80	-	-	-	43.35	8.50	0.00	43.35
52.85	-	-	-	43.69	8.50	0.00	43.69
52.90	-	-	-	44.04	8.50	0.00	44.04

52.95	-	-	-	44.38	8.50	0.00	44.38
53.00	-	-	-	44.73	8.50	0.00	44.73
53.05	-	-	-	45.07	8.50	0.00	45.07
53.10	-	-	-	45.42	8.50	0.00	45.42
53.15	-	-	-	45.76	8.50	0.00	45.76
53.20	-	-	-	46.11	8.50	0.00	46.11
53.25	-	-	-	46.45	8.50	0.00	46.45
53.30	-	-	-	46.80	8.50	0.00	46.80
53.35	-	-	-	47.14	8.50	0.00	47.14
53.40	-	-	-	47.48	8.50	0.00	47.48
53.45	-	-	-	47.83	8.50	0.00	47.83
53.50	-	-	-	48.17	8.50	0.00	48.17
53.55	-	-	-	48.51	8.50	0.00	48.51
53.60	-	-	-	48.85	8.50	0.00	48.85
53.65	-	-	-	49.20	8.50	0.00	49.20
53.70	-	-	-	49.54	8.50	0.00	49.54
53.75	-	-	-	49.88	8.50	0.00	49.88
53.80	-	-	-	50.22	8.50	0.00	50.22
53.85	-	-	-	50.56	8.50	0.00	50.56
53.90	-	-	-	50.91	8.50	0.00	50.91
53.95	-	-	-	51.25	8.50	0.00	51.25
54.00	-	-	-	51.59	8.50	0.00	51.59
54.05	-	-	-	51.93	8.50	0.00	51.93
54.10	-	-	-	52.27	8.50	0.00	52.27
54.15	-	-	-	52.61	8.50	0.00	52.61
54.20	-	-	-	52.95	8.50	0.00	52.95
54.25	-	-	-	53.29	8.50	0.00	53.29
54.30	-	-	-	53.63	8.50	0.00	53.63
54.35	-	-	-	53.97	8.50	0.00	53.97
54.40	-	-	-	54.31	8.50	0.00	54.31
54.45	-	-	-	54.64	8.50	0.00	54.64
54.50	-	-	-	54.98	8.50	0.00	54.98
54.55	-	-	-	55.32	8.50	0.00	55.32
54.60	-	-	-	55.66	8.50	0.00	55.66
54.65	-	-	-	56.00	8.50	0.00	56.00
54.70	-	-	-	56.34	8.50	0.00	56.34
54.75	-	-	-	56.67	8.50	0.00	56.67
54.80	-	-	-	57.01	8.50	0.00	57.01
54.85	-	-	-	57.35	8.50	0.00	57.35
54.90	-	-	-	57.68	8.50	0.00	57.68
54.95	-	-	-	58.02	8.50	0.00	58.02
55.00	-	-	-	58.36	8.50	0.00	58.36
55.05	-	-	-	58.62	9.02	0.00	58.62
55.10	-	-	-	58.89	9.54	0.00	58.89
55.15	-	-	-	59.18	10.07	0.00	59.18
55.20	-	-	-	59.49	10.59	0.00	59.49
55.25	-	-	-	59.79	11.11	0.00	59.79
55.30	-	-	-	60.11	11.64	0.00	60.11
55.35	-	-	-	60.42	12.16	0.00	60.42
55.40	-	-	-	60.74	12.69	0.00	60.74
55.45	-	-	-	61.05	13.21	0.00	61.05
55.50	-	-	-	61.36	13.73	0.00	61.36
55.55	-	-	-	61.67	14.26	0.00	61.67
55.60	-	-	-	61.97	14.78	0.00	61.97
55.65	-	-	-	62.27	15.31	0.00	62.27
55.70	-	-	-	62.57	15.83	0.00	62.57
55.75	-	-	-	62.86	16.35	0.00	62.86
55.80	-	-	-	63.15	16.88	0.00	63.15
55.85	-	-	-	63.44	17.40	0.00	63.44
55.90	-	-	-	63.72	17.93	0.00	63.72
55.95	-	-	-	64.00	18.45	0.00	64.00
56.00	-	-	-	64.27	18.97	0.00	64.27
56.05	-	-	-	64.54	19.50	0.00	64.54
56.10	-	-	-	64.81	20.02	0.00	64.81
56.15	-	-	-	65.08	20.55	0.00	65.08
56.20	-	-	-	65.35	21.07	0.00	65.35
56.25	-	-	-	65.61	21.59	0.00	65.61
56.30	-	-	-	65.87	22.12	0.00	65.87
56.35	-	-	-	66.13	22.64	0.00	66.13
56.40	-	-	-	66.39	23.17	0.00	66.39
56.45	-	-	-	66.65	23.69	0.00	66.65
56.50	-	-	-	66.91	24.21	0.00	66.91
56.55	-	-	-	67.16	24.74	0.00	67.16

56.60	-	-	-	67.42	25.26	0.00	67.42
56.65	-	-	-	67.68	25.79	0.00	67.68
56.70	-	-	-	67.93	26.31	0.00	67.93
56.75	-	-	-	68.19	26.83	0.00	68.19
56.80	-	-	-	68.44	27.36	0.00	68.44
56.85	-	-	-	68.69	27.88	0.00	68.69
56.90	-	-	-	68.95	28.41	0.00	68.95
56.95	-	-	-	69.20	28.93	0.00	69.20
57.00	-	-	-	69.46	29.45	0.00	69.46
57.05	-	-	-	69.71	29.98	0.00	69.71
57.10	-	-	-	69.97	30.50	0.00	69.97
57.15	-	-	-	70.23	31.03	0.00	70.23
57.20	-	-	-	70.48	31.55	0.00	70.48
57.25	-	-	-	70.74	32.07	0.00	70.74
57.30	-	-	-	71.00	32.60	0.00	71.00
57.35	-	-	-	71.26	33.12	0.00	71.26
57.40	-	-	-	71.52	33.65	0.00	71.52
57.45	-	-	-	71.78	34.17	0.00	71.78
57.50	-	-	-	72.04	34.69	0.00	72.04
57.55	-	-	-	72.37	35.22	0.00	72.37
57.60	-	-	-	72.35	35.74	0.00	72.35
57.65	-	-	-	72.32	36.27	0.00	72.32
57.70	-	-	-	72.30	36.79	0.00	72.30
57.75	-	-	-	72.28	37.31	0.00	72.28
57.80	-	-	-	72.26	37.84	0.00	72.26
57.85	-	-	-	72.23	38.36	0.00	72.23
57.90	-	-	-	72.21	38.89	0.00	72.21
57.95	-	-	-	72.19	39.41	0.00	72.19
58.00	-	-	-	72.17	39.93	0.00	72.17
58.05	-	-	-	72.14	40.46	0.00	72.14
58.10	-	-	-	72.12	40.98	0.00	72.12
58.15	-	-	-	72.10	41.51	0.00	72.10
58.20	-	-	-	72.08	42.03	0.00	72.08
58.25	-	-	-	72.06	42.55	0.00	72.06
58.30	-	-	-	72.03	43.08	0.00	72.03
58.35	-	-	-	72.01	43.60	0.00	72.01
58.40	-	-	-	71.99	44.13	0.00	71.99
58.45	-	-	-	71.97	44.65	0.00	71.97
58.50	-	-	-	71.94	45.17	0.00	71.94
58.55	-	-	-	71.92	45.70	0.00	71.92
58.60	-	-	-	71.90	46.22	0.00	71.90
58.65	-	-	-	71.88	46.75	0.00	71.88
58.70	-	-	-	71.85	47.27	0.00	71.85
58.75	-	-	-	71.83	47.79	0.00	71.83
58.80	-	-	-	71.81	48.32	0.00	71.81
58.85	-	-	-	71.79	48.84	0.00	71.79
58.90	-	-	-	71.77	49.37	0.00	71.77
58.95	-	-	-	71.74	49.89	0.00	71.74
59.00	-	-	-	71.72	50.41	0.00	71.72
59.05	-	-	-	71.70	50.94	0.00	71.70
59.10	-	-	-	71.68	51.46	0.00	71.68
59.15	-	-	-	71.65	51.99	0.00	71.65
59.20	-	-	-	71.63	52.51	0.00	71.63
59.25	-	-	-	71.61	53.03	0.00	71.61
59.30	-	-	-	71.59	53.56	0.00	71.59
59.35	-	-	-	71.57	54.08	0.00	71.57
59.40	-	-	-	71.54	54.61	0.00	71.54
59.45	-	-	-	71.52	55.13	0.00	71.52
59.50	-	-	-	71.50	55.65	0.00	71.50
59.55	-	-	-	71.48	56.18	0.00	71.48
59.60	-	-	-	71.45	56.70	0.00	71.45
59.65	-	-	-	71.43	57.23	0.00	71.43
59.70	-	-	-	71.41	57.75	0.00	71.41
59.75	-	-	-	71.39	58.27	0.00	71.39
59.80	-	-	-	71.37	58.80	0.00	71.37
59.85	-	-	-	71.34	59.32	0.00	71.34
59.90	-	-	-	71.32	59.85	0.00	71.32
59.95	-	-	-	71.30	60.37	0.00	71.30
60.00	-	-	-	71.28	60.89	0.00	71.28
60.05	-	-	-	71.18	60.90	0.00	71.18
60.10	-	-	-	71.08	60.90	0.00	71.08
60.15	-	-	-	70.99	60.90	0.00	70.99
60.20	-	-	-	70.89	60.90	0.00	70.89

60.25	-	-	-	70.79	60.90	0.00	70.79
60.30	-	-	-	70.70	60.90	0.00	70.70
60.35	-	-	-	70.60	60.90	0.00	70.60
60.40	-	-	-	70.50	60.90	0.00	70.50
60.45	-	-	-	70.41	60.90	0.00	70.41
60.50	-	-	-	70.31	60.90	0.00	70.31
60.55	-	-	-	70.21	60.90	0.00	70.21
60.60	-	-	-	70.12	60.90	0.00	70.12
60.65	-	-	-	70.02	60.90	0.00	70.02
60.70	-	-	-	69.93	60.90	0.00	69.93
60.75	-	-	-	69.83	60.90	0.00	69.83
60.80	-	-	-	69.73	60.90	0.00	69.73
60.85	-	-	-	69.64	60.90	0.00	69.64
60.90	-	-	-	69.54	60.90	0.00	69.54
60.95	-	-	-	69.45	60.90	0.00	69.45
61.00	-	-	-	69.35	60.90	0.00	69.35
61.05	-	-	-	69.26	60.90	0.00	69.26
61.10	-	-	-	69.16	60.90	0.00	69.16
61.15	-	-	-	69.07	60.90	0.00	69.07
61.20	-	-	-	68.97	60.90	0.00	68.97
61.25	-	-	-	68.88	60.90	0.00	68.88
61.30	-	-	-	68.78	60.90	0.00	68.78
61.35	-	-	-	68.69	60.90	0.00	68.69
61.40	-	-	-	68.60	60.90	0.00	68.60
61.45	-	-	-	68.50	60.90	0.00	68.50
61.50	-	-	-	68.41	60.90	0.00	68.41
61.55	-	-	-	68.31	60.90	0.00	68.31
61.60	-	-	-	68.22	60.90	0.00	68.22
61.65	-	-	-	68.13	60.90	0.00	68.13
61.70	-	-	-	68.03	60.90	0.00	68.03
61.75	-	-	-	67.94	60.90	0.00	67.94
61.80	-	-	-	67.85	60.90	0.00	67.85
61.85	-	-	-	67.75	60.90	0.00	67.75
61.90	-	-	-	67.66	60.90	0.00	67.66
61.95	-	-	-	67.57	60.90	0.00	67.57
62.00	-	-	-	67.47	60.90	0.00	67.47
62.05	-	-	-	67.38	60.90	0.00	67.38
62.10	-	-	-	67.29	60.90	0.00	67.29
62.15	-	-	-	67.20	60.90	0.00	67.20
62.20	-	-	-	67.10	60.90	0.00	67.10
62.25	-	-	-	67.01	60.90	0.00	67.01
62.30	-	-	-	66.92	60.90	0.00	66.92
62.35	-	-	-	66.83	60.90	0.00	66.83
62.40	-	-	-	66.73	60.90	0.00	66.73
62.45	-	-	-	66.64	60.90	0.00	66.64
62.50	-	-	-	66.55	60.90	0.00	66.55
62.55	-	-	-	66.46	60.90	0.00	66.46
62.60	-	-	-	66.37	60.90	0.00	66.37
62.65	-	-	-	66.28	60.90	0.00	66.28
62.70	-	-	-	66.18	60.90	0.00	66.18
62.75	-	-	-	66.09	60.90	0.00	66.09
62.80	-	-	-	66.00	60.90	0.00	66.00
62.85	-	-	-	65.91	60.90	0.00	65.91
62.90	-	-	-	65.82	60.90	0.00	65.82
62.95	-	-	-	65.73	60.90	0.00	65.73
63.00	-	-	-	65.64	60.90	0.00	65.64
63.05	-	-	-	65.55	60.90	0.00	65.55
63.10	-	-	-	65.46	60.90	0.00	65.46
63.15	-	-	-	65.37	60.90	0.00	65.37
63.20	-	-	-	65.27	60.90	0.00	65.27
63.25	-	-	-	65.18	60.90	0.00	65.18
63.30	-	-	-	65.09	60.90	0.00	65.09
63.35	-	-	-	65.00	60.90	0.00	65.00
63.40	-	-	-	64.91	60.90	0.00	64.91
63.45	-	-	-	64.82	60.90	0.00	64.82
63.50	-	-	-	64.73	60.90	0.00	64.73
63.55	-	-	-	64.64	60.90	0.00	64.64
63.60	-	-	-	64.55	60.90	0.00	64.55
63.65	-	-	-	64.47	60.90	0.00	64.47
63.70	-	-	-	64.38	60.90	0.00	64.38
63.75	-	-	-	64.29	60.90	0.00	64.29
63.80	-	-	-	64.20	60.90	0.00	64.20
63.85	-	-	-	64.11	60.90	0.00	64.11

63.90	-	-	-	64.02	60.90	0.00	64.02
63.95	-	-	-	63.93	60.90	0.00	63.93
64.00	-	-	-	63.84	60.90	0.00	63.84
64.05	-	-	-	63.75	60.90	0.00	63.75
64.10	-	-	-	63.66	60.90	0.00	63.66
64.15	-	-	-	63.57	60.90	0.00	63.57
64.20	-	-	-	63.49	60.90	0.00	63.49
64.25	-	-	-	63.40	60.90	0.00	63.40
64.30	-	-	-	63.31	60.90	0.00	63.31
64.35	-	-	-	63.22	60.90	0.00	63.22
64.40	-	-	-	63.13	60.90	0.00	63.13
64.45	-	-	-	63.04	60.90	0.00	63.04
64.50	-	-	-	62.96	60.90	0.00	62.96
64.55	-	-	-	62.87	60.90	0.00	62.87
64.60	-	-	-	62.78	60.90	0.00	62.78
64.65	-	-	-	62.69	60.90	0.00	62.69
64.70	-	-	-	62.61	60.90	0.00	62.61
64.75	-	-	-	62.52	60.90	0.00	62.52
64.80	-	-	-	62.43	60.90	0.00	62.43
64.85	-	-	-	62.34	60.90	0.00	62.34
64.90	-	-	-	62.26	60.90	0.00	62.26
64.95	-	-	-	62.17	60.90	0.00	62.17
65.00	-	-	-	62.08	60.90	0.00	62.08
65.05	-	-	-	62.07	60.90	0.00	62.07
65.10	-	-	-	62.05	60.90	0.00	62.05
65.15	-	-	-	62.04	60.90	0.00	62.04
65.20	-	-	-	62.03	60.90	0.00	62.03
65.25	-	-	-	62.01	60.90	0.00	62.01
65.30	-	-	-	62.00	60.90	0.00	62.00
65.35	-	-	-	61.98	60.90	0.00	61.98
65.40	-	-	-	61.97	60.90	0.00	61.97
65.45	-	-	-	61.96	60.90	0.00	61.96
65.50	-	-	-	61.94	60.90	0.00	61.94
65.55	-	-	-	61.93	60.90	0.00	61.93
65.60	-	-	-	61.92	60.90	0.00	61.92
65.65	-	-	-	61.90	60.90	0.00	61.90
65.70	-	-	-	61.89	60.90	0.00	61.89
65.75	-	-	-	61.88	60.90	0.00	61.88
65.80	-	-	-	61.86	60.90	0.00	61.86
65.85	-	-	-	61.85	60.90	0.00	61.85
65.90	-	-	-	61.83	60.90	0.00	61.83
65.95	-	-	-	61.82	60.90	0.00	61.82
66.00	-	-	-	61.81	60.90	0.00	61.81
66.05	-	-	-	61.79	60.90	0.00	61.79
66.10	-	-	-	61.78	60.90	0.00	61.78
66.15	-	-	-	61.77	60.90	0.00	61.77
66.20	-	-	-	61.75	60.90	0.00	61.75
66.25	-	-	-	61.74	60.90	0.00	61.74
66.30	-	-	-	61.73	60.90	0.00	61.73
66.35	-	-	-	61.71	60.90	0.00	61.71
66.40	-	-	-	61.70	60.90	0.00	61.70
66.45	-	-	-	61.69	60.90	0.00	61.69
66.50	-	-	-	61.67	60.90	0.00	61.67
66.55	-	-	-	61.66	60.90	0.00	61.66
66.60	-	-	-	61.65	60.90	0.00	61.65
66.65	-	-	-	61.63	60.90	0.00	61.63
66.70	-	-	-	61.62	60.90	0.00	61.62
66.75	-	-	-	61.61	60.90	0.00	61.61
66.80	-	-	-	61.59	60.90	0.00	61.59
66.85	-	-	-	61.58	60.90	0.00	61.58
66.90	-	-	-	61.57	60.90	0.00	61.57
66.95	-	-	-	61.55	60.90	0.00	61.55
67.00	-	-	-	61.54	60.90	0.00	61.54
67.05	-	-	-	61.53	60.90	0.00	61.53
67.10	-	-	-	61.51	60.90	0.00	61.51
67.15	-	-	-	61.50	60.90	0.00	61.50
67.20	-	-	-	61.49	60.90	0.00	61.49
67.25	-	-	-	61.47	60.90	0.00	61.47
67.30	-	-	-	61.46	60.90	0.00	61.46
67.35	-	-	-	61.45	60.90	0.00	61.45
67.40	-	-	-	61.43	60.90	0.00	61.43
67.45	-	-	-	61.42	60.90	0.00	61.42
67.50	-	-	-	61.41	60.90	0.00	61.41

67.55	-	-	-	61.39	60.90	0.00	61.39
67.60	-	-	-	61.38	60.90	0.00	61.38
67.65	-	-	-	61.37	60.90	0.00	61.37
67.70	-	-	-	61.36	60.90	0.00	61.36
67.75	-	-	-	61.34	60.90	0.00	61.34
67.80	-	-	-	61.33	60.90	0.00	61.33
67.85	-	-	-	61.32	60.90	0.00	61.32
67.90	-	-	-	61.30	60.90	0.00	61.30
67.95	-	-	-	61.29	60.90	0.00	61.29
68.00	-	-	-	61.28	60.90	0.00	61.28
68.05	-	-	-	61.26	60.90	0.00	61.26
68.10	-	-	-	61.25	60.90	0.00	61.25
68.15	-	-	-	61.24	60.90	0.00	61.24
68.20	-	-	-	61.23	60.90	0.00	61.23
68.25	-	-	-	61.21	60.90	0.00	61.21
68.30	-	-	-	61.20	60.90	0.00	61.20
68.35	-	-	-	61.19	60.90	0.00	61.19
68.40	-	-	-	61.17	60.90	0.00	61.17
68.45	-	-	-	61.16	60.90	0.00	61.16
68.50	-	-	-	61.15	60.90	0.00	61.15
68.55	-	-	-	61.14	60.90	0.00	61.14
68.60	-	-	-	61.12	60.90	0.00	61.12
68.65	-	-	-	61.11	60.90	0.00	61.11
68.70	-	-	-	61.10	60.90	0.00	61.10
68.75	-	-	-	61.08	60.90	0.00	61.08
68.80	-	-	-	61.07	60.90	0.00	61.07
68.85	-	-	-	61.06	60.90	0.00	61.06
68.90	-	-	-	61.05	60.90	0.00	61.05
68.95	-	-	-	61.03	60.90	0.00	61.03
69.00	-	-	-	61.02	60.90	0.00	61.02
69.05	-	-	-	61.01	60.90	0.00	61.01
69.10	-	-	-	60.99	60.90	0.00	60.99
69.15	-	-	-	60.98	60.90	0.00	60.98
69.20	-	-	-	60.97	60.90	0.00	60.97
69.25	-	-	-	60.96	60.90	0.00	60.96
69.30	-	-	-	60.94	60.90	0.00	60.94
69.35	-	-	-	60.93	60.90	0.00	60.93
69.40	-	-	-	60.92	60.90	0.00	60.92
69.45	-	-	-	60.91	60.90	0.00	60.91
69.50	-	-	-	60.89	60.90	0.00	60.89
69.55	-	-	-	60.88	60.90	0.00	60.88
69.60	-	-	-	60.87	60.90	0.00	60.87
69.65	-	-	-	60.86	60.90	0.00	60.86
69.70	-	-	-	60.84	60.90	0.00	60.84
69.75	-	-	-	60.83	60.90	0.00	60.83
69.80	-	-	-	60.82	60.90	0.00	60.82
69.85	-	-	-	60.81	60.90	0.00	60.81
69.90	-	-	-	60.79	60.90	0.00	60.79
69.95	-	-	-	60.78	60.90	0.00	60.78
70.00	-	-	-	60.77	60.90	0.00	60.77
70.05	-	-	-	60.76	60.90	0.00	60.76
70.10	-	-	-	60.74	60.90	0.00	60.74
70.15	-	-	-	60.73	60.90	0.00	60.73
70.20	-	-	-	60.72	60.90	0.00	60.72
70.25	-	-	-	60.71	60.90	0.00	60.71
70.30	-	-	-	60.69	60.90	0.00	60.69
70.35	-	-	-	60.68	60.90	0.00	60.68
70.40	-	-	-	60.67	60.90	0.00	60.67
70.45	-	-	-	60.66	60.90	0.00	60.66
70.50	-	-	-	60.65	60.90	0.00	60.65
70.55	-	-	-	60.63	60.90	0.00	60.63
70.60	-	-	-	60.62	60.90	0.00	60.62
70.65	-	-	-	60.61	60.90	0.00	60.61
70.70	-	-	-	60.60	60.90	0.00	60.60
70.75	-	-	-	60.58	60.90	0.00	60.58
70.80	-	-	-	60.57	60.90	0.00	60.57
70.85	-	-	-	60.56	60.90	0.00	60.56
70.90	-	-	-	60.55	60.90	0.00	60.55
70.95	-	-	-	60.54	60.90	0.00	60.54
71.00	-	-	-	60.52	60.90	0.00	60.52
71.05	-	-	-	60.51	60.90	0.00	60.51
71.10	-	-	-	60.50	60.90	0.00	60.50
71.15	-	-	-	60.49	60.90	0.00	60.49

71.20	-	-	-	60.48	60.90	0.00	60.48
71.25	-	-	-	60.46	60.90	0.00	60.46
71.30	-	-	-	60.45	60.90	0.00	60.45
71.35	-	-	-	60.44	60.90	0.00	60.44
71.40	-	-	-	60.43	60.90	0.00	60.43
71.45	-	-	-	60.42	60.90	0.00	60.42
71.50	-	-	-	60.40	60.90	0.00	60.40
71.55	-	-	-	60.39	60.90	0.00	60.39
71.60	-	-	-	60.38	60.90	0.00	60.38
71.65	-	-	-	60.37	60.90	0.00	60.37
71.70	-	-	-	60.36	60.90	0.00	60.36
71.75	-	-	-	60.34	60.90	0.00	60.34
71.80	-	-	-	60.33	60.90	0.00	60.33
71.85	-	-	-	60.32	60.90	0.00	60.32
71.90	-	-	-	60.31	60.90	0.00	60.31
71.95	-	-	-	60.30	60.90	0.00	60.30
72.00	-	-	-	60.29	60.90	0.00	60.29
72.05	-	-	-	60.27	60.90	0.00	60.27
72.10	-	-	-	60.26	60.90	0.00	60.26
72.15	-	-	-	60.25	60.90	0.00	60.25
72.20	-	-	-	60.24	60.90	0.00	60.24
72.25	-	-	-	60.23	60.90	0.00	60.23
72.30	-	-	-	60.21	60.90	0.00	60.21
72.35	-	-	-	60.20	60.90	0.00	60.20
72.40	-	-	-	60.19	60.90	0.00	60.19
72.45	-	-	-	60.18	60.90	0.00	60.18
72.50	-	-	-	60.17	60.90	0.00	60.17
72.55	-	-	-	60.16	60.90	0.00	60.16
72.60	-	-	-	60.14	60.90	0.00	60.14
72.65	-	-	-	60.13	60.90	0.00	60.13
72.70	-	-	-	60.12	60.90	0.00	60.12
72.75	-	-	-	60.11	60.90	0.00	60.11
72.80	-	-	-	60.10	60.90	0.00	60.10
72.85	-	-	-	60.09	60.90	0.00	60.09
72.90	-	-	-	60.08	60.90	0.00	60.08
72.95	-	-	-	60.06	60.90	0.00	60.06
73.00	-	-	-	60.05	60.90	0.00	60.05
73.05	-	-	-	60.04	60.90	0.00	60.04
73.10	-	-	-	60.03	60.90	0.00	60.03
73.15	-	-	-	60.02	60.90	0.00	60.02
73.20	-	-	-	60.01	60.90	0.00	60.01
73.25	-	-	-	60.00	60.90	0.00	60.00
73.30	-	-	-	59.98	60.90	0.00	59.98
73.35	-	-	-	59.97	60.90	0.00	59.97
73.40	-	-	-	59.96	60.90	0.00	59.96
73.45	-	-	-	59.95	60.90	0.00	59.95
73.50	-	-	-	59.94	60.90	0.00	59.94
73.55	-	-	-	59.93	60.90	0.00	59.93
73.60	-	-	-	59.92	60.90	0.00	59.92
73.65	-	-	-	59.90	60.90	0.00	59.90
73.70	-	-	-	59.89	60.90	0.00	59.89
73.75	-	-	-	59.88	60.90	0.00	59.88
73.80	-	-	-	59.87	60.90	0.00	59.87
73.85	-	-	-	59.86	60.90	0.00	59.86
73.90	-	-	-	59.85	60.90	0.00	59.85
73.95	-	-	-	59.84	60.90	0.00	59.84
74.00	-	-	-	59.83	60.90	0.00	59.83
74.05	-	-	-	59.82	60.90	0.00	59.82
74.10	-	-	-	59.80	60.90	0.00	59.80
74.15	-	-	-	59.79	60.90	0.00	59.79
74.20	-	-	-	59.78	60.90	0.00	59.78
74.25	-	-	-	59.77	60.90	0.00	59.77
74.30	-	-	-	59.76	60.90	0.00	59.76
74.35	-	-	-	59.75	60.90	0.00	59.75
74.40	-	-	-	59.74	60.90	0.00	59.74
74.45	-	-	-	59.73	60.90	0.00	59.73
74.50	-	-	-	59.72	60.90	0.00	59.72
74.55	-	-	-	59.70	60.90	0.00	59.70
74.60	-	-	-	59.69	60.90	0.00	59.69
74.65	-	-	-	59.68	60.90	0.00	59.68
74.70	-	-	-	59.67	60.90	0.00	59.67
74.75	-	-	-	59.66	60.90	0.00	59.66
74.80	-	-	-	59.65	60.90	0.00	59.65

74.85	-	-	-	59.64	60.90	0.00	59.64
74.90	-	-	-	59.63	60.90	0.00	59.63
74.95	-	-	-	59.62	60.90	0.00	59.62
75.00	-	-	-	59.61	60.90	0.00	59.61

(N1)60s has been fines corrected in liquefaction analysis, therefore d(N1)60=0.
Fines=NoLiq means the soils are not liquefiable.

Settlement of Saturated Sands:
Settlement Analysis Method: Tokimatsu, M-correction

Depth ft	CSRsf	/ MSF*	=CSRm	F.S.	Fines %	(N1)60s	Dr %	ec %	dsz in.	dsp in.	S in.
74.95	0.58	1.30	0.45	0.99	60.90	59.62	100.00	0.000	0.0E0	0.000	0.000
74.90	0.58	1.30	0.45	0.99	60.90	59.63	100.00	0.000	0.0E0	0.000	0.000
74.85	0.58	1.30	0.45	0.99	60.90	59.64	100.00	0.000	0.0E0	0.000	0.000
74.80	0.58	1.30	0.45	0.99	60.90	59.65	100.00	0.000	0.0E0	0.000	0.000
74.75	0.58	1.30	0.45	0.99	60.90	59.66	100.00	0.000	0.0E0	0.000	0.000
74.70	0.58	1.30	0.45	0.99	60.90	59.67	100.00	0.000	0.0E0	0.000	0.000
74.65	0.58	1.30	0.45	0.99	60.90	59.68	100.00	0.000	0.0E0	0.000	0.000
74.60	0.59	1.30	0.45	0.99	60.90	59.69	100.00	0.000	0.0E0	0.000	0.000
74.55	0.59	1.30	0.45	0.99	60.90	59.70	100.00	0.000	0.0E0	0.000	0.000
74.50	0.59	1.30	0.45	0.99	60.90	59.72	100.00	0.000	0.0E0	0.000	0.000
74.45	0.59	1.30	0.45	0.99	60.90	59.73	100.00	0.000	0.0E0	0.000	0.000
74.40	0.59	1.30	0.45	0.99	60.90	59.74	100.00	0.000	0.0E0	0.000	0.000
74.35	0.59	1.30	0.45	0.99	60.90	59.75	100.00	0.000	0.0E0	0.000	0.000
74.30	0.59	1.30	0.45	0.99	60.90	59.76	100.00	0.000	0.0E0	0.000	0.000
74.25	0.59	1.30	0.45	0.99	60.90	59.77	100.00	0.000	0.0E0	0.000	0.000
74.20	0.59	1.30	0.45	0.99	60.90	59.78	100.00	0.000	0.0E0	0.000	0.000
74.15	0.59	1.30	0.45	0.98	60.90	59.79	100.00	0.000	0.0E0	0.000	0.000
74.10	0.59	1.30	0.45	0.98	60.90	59.80	100.00	0.000	0.0E0	0.000	0.000
74.05	0.59	1.30	0.45	0.98	60.90	59.82	100.00	0.000	0.0E0	0.000	0.000
74.00	0.59	1.30	0.45	0.98	60.90	59.83	100.00	0.000	0.0E0	0.000	0.000
73.95	0.59	1.30	0.45	0.98	60.90	59.84	100.00	0.000	0.0E0	0.000	0.000
73.90	0.59	1.30	0.45	0.98	60.90	59.85	100.00	0.000	0.0E0	0.000	0.000
73.85	0.59	1.30	0.45	0.98	60.90	59.86	100.00	0.000	0.0E0	0.000	0.000
73.80	0.59	1.30	0.46	0.98	60.90	59.87	100.00	0.000	0.0E0	0.000	0.000
73.75	0.59	1.30	0.46	0.98	60.90	59.88	100.00	0.000	0.0E0	0.000	0.000
73.70	0.59	1.30	0.46	0.98	60.90	59.89	100.00	0.000	0.0E0	0.000	0.000
73.65	0.59	1.30	0.46	0.98	60.90	59.90	100.00	0.000	0.0E0	0.000	0.000
73.60	0.59	1.30	0.46	0.98	60.90	59.92	100.00	0.000	0.0E0	0.000	0.000
73.55	0.59	1.30	0.46	0.98	60.90	59.93	100.00	0.000	0.0E0	0.000	0.000
73.50	0.59	1.30	0.46	0.98	60.90	59.94	100.00	0.000	0.0E0	0.000	0.000
73.45	0.59	1.30	0.46	0.98	60.90	59.95	100.00	0.000	0.0E0	0.000	0.000
73.40	0.59	1.30	0.46	0.98	60.90	59.96	100.00	0.000	0.0E0	0.000	0.000
73.35	0.59	1.30	0.46	0.98	60.90	59.97	100.00	0.000	0.0E0	0.000	0.000
73.30	0.60	1.30	0.46	0.98	60.90	59.98	100.00	0.000	0.0E0	0.000	0.000
73.25	0.60	1.30	0.46	0.98	60.90	60.00	100.00	0.000	0.0E0	0.000	0.000
73.20	0.60	1.30	0.46	0.97	60.90	60.01	100.00	0.000	0.0E0	0.000	0.000
73.15	0.60	1.30	0.46	0.97	60.90	60.02	100.00	0.000	0.0E0	0.000	0.000
73.10	0.60	1.30	0.46	0.97	60.90	60.03	100.00	0.000	0.0E0	0.000	0.000
73.05	0.60	1.30	0.46	0.97	60.90	60.04	100.00	0.000	0.0E0	0.000	0.000
73.00	0.60	1.30	0.46	0.97	60.90	60.05	100.00	0.000	0.0E0	0.000	0.000
72.95	0.60	1.30	0.46	0.97	60.90	60.06	100.00	0.000	0.0E0	0.000	0.000
72.90	0.60	1.30	0.46	0.97	60.90	60.08	100.00	0.000	0.0E0	0.000	0.000
72.85	0.60	1.30	0.46	0.97	60.90	60.09	100.00	0.000	0.0E0	0.000	0.000
72.80	0.60	1.30	0.46	0.97	60.90	60.10	100.00	0.000	0.0E0	0.000	0.000
72.75	0.60	1.30	0.46	0.97	60.90	60.11	100.00	0.000	0.0E0	0.000	0.000
72.70	0.60	1.30	0.46	0.97	60.90	60.12	100.00	0.000	0.0E0	0.000	0.000
72.65	0.60	1.30	0.46	0.97	60.90	60.13	100.00	0.000	0.0E0	0.000	0.000
72.60	0.60	1.30	0.46	0.97	60.90	60.14	100.00	0.000	0.0E0	0.000	0.000
72.55	0.60	1.30	0.46	0.97	60.90	60.16	100.00	0.000	0.0E0	0.000	0.000
72.50	0.60	1.30	0.46	0.97	60.90	60.17	100.00	0.000	0.0E0	0.000	0.000
72.45	0.60	1.30	0.46	0.97	60.90	60.18	100.00	0.000	0.0E0	0.000	0.000
72.40	0.60	1.30	0.46	0.97	60.90	60.19	100.00	0.000	0.0E0	0.000	0.000
72.35	0.60	1.30	0.46	0.97	60.90	60.20	100.00	0.000	0.0E0	0.000	0.000
72.30	0.60	1.30	0.46	0.97	60.90	60.21	100.00	0.000	0.0E0	0.000	0.000
72.25	0.60	1.30	0.46	0.96	60.90	60.23	100.00	0.000	0.0E0	0.000	0.000
72.20	0.60	1.30	0.46	0.96	60.90	60.24	100.00	0.000	0.0E0	0.000	0.000
72.15	0.60	1.30	0.46	0.96	60.90	60.25	100.00	0.000	0.0E0	0.000	0.000
72.10	0.60	1.30	0.47	0.96	60.90	60.26	100.00	0.000	0.0E0	0.000	0.000
72.05	0.60	1.30	0.47	0.96	60.90	60.27	100.00	0.000	0.0E0	0.000	0.000

72.00	0.60	1.30	0.47	0.96	60.90	60.29	100.00	0.000	0.0E0	0.000	0.000
71.95	0.61	1.30	0.47	0.96	60.90	60.30	100.00	0.000	0.0E0	0.000	0.000
71.90	0.61	1.30	0.47	0.96	60.90	60.31	100.00	0.000	0.0E0	0.000	0.000
71.85	0.61	1.30	0.47	0.96	60.90	60.32	100.00	0.000	0.0E0	0.000	0.000
71.80	0.61	1.30	0.47	0.96	60.90	60.33	100.00	0.000	0.0E0	0.000	0.000
71.75	0.61	1.30	0.47	0.96	60.90	60.34	100.00	0.000	0.0E0	0.000	0.000
71.70	0.61	1.30	0.47	0.96	60.90	60.36	100.00	0.000	0.0E0	0.000	0.000
71.65	0.61	1.30	0.47	0.96	60.90	60.37	100.00	0.000	0.0E0	0.000	0.000
71.60	0.61	1.30	0.47	0.96	60.90	60.38	100.00	0.000	0.0E0	0.000	0.000
71.55	0.61	1.30	0.47	0.96	60.90	60.39	100.00	0.000	0.0E0	0.000	0.000
71.50	0.61	1.30	0.47	0.96	60.90	60.40	100.00	0.000	0.0E0	0.000	0.000
71.45	0.61	1.30	0.47	0.96	60.90	60.42	100.00	0.000	0.0E0	0.000	0.000
71.40	0.61	1.30	0.47	0.96	60.90	60.43	100.00	0.000	0.0E0	0.000	0.000
71.35	0.61	1.30	0.47	0.96	60.90	60.44	100.00	0.000	0.0E0	0.000	0.000
71.30	0.61	1.30	0.47	0.96	60.90	60.45	100.00	0.000	0.0E0	0.000	0.000
71.25	0.61	1.30	0.47	0.95	60.90	60.46	100.00	0.000	0.0E0	0.000	0.000
71.20	0.61	1.30	0.47	0.95	60.90	60.48	100.00	0.000	0.0E0	0.000	0.000
71.15	0.61	1.30	0.47	0.95	60.90	60.49	100.00	0.000	0.0E0	0.000	0.000
71.10	0.61	1.30	0.47	0.95	60.90	60.50	100.00	0.000	0.0E0	0.000	0.000
71.05	0.61	1.30	0.47	0.95	60.90	60.51	100.00	0.000	0.0E0	0.000	0.000
71.00	0.61	1.30	0.47	0.95	60.90	60.52	100.00	0.000	0.0E0	0.000	0.000
70.95	0.61	1.30	0.47	0.95	60.90	60.54	100.00	0.000	0.0E0	0.000	0.000
70.90	0.61	1.30	0.47	0.95	60.90	60.55	100.00	0.000	0.0E0	0.000	0.000
70.85	0.61	1.30	0.47	0.95	60.90	60.56	100.00	0.000	0.0E0	0.000	0.000
70.80	0.61	1.30	0.47	0.95	60.90	60.57	100.00	0.000	0.0E0	0.000	0.000
70.75	0.61	1.30	0.47	0.95	60.90	60.58	100.00	0.000	0.0E0	0.000	0.000
70.70	0.61	1.30	0.47	0.95	60.90	60.60	100.00	0.000	0.0E0	0.000	0.000
70.65	0.62	1.30	0.47	0.95	60.90	60.61	100.00	0.000	0.0E0	0.000	0.000
70.60	0.62	1.30	0.47	0.95	60.90	60.62	100.00	0.000	0.0E0	0.000	0.000
70.55	0.62	1.30	0.47	0.95	60.90	60.63	100.00	0.000	0.0E0	0.000	0.000
70.50	0.62	1.30	0.47	0.95	60.90	60.65	100.00	0.000	0.0E0	0.000	0.000
70.45	0.62	1.30	0.47	0.95	60.90	60.66	100.00	0.000	0.0E0	0.000	0.000
70.40	0.62	1.30	0.48	0.95	60.90	60.67	100.00	0.000	0.0E0	0.000	0.000
70.35	0.62	1.30	0.48	0.95	60.90	60.68	100.00	0.000	0.0E0	0.000	0.000
70.30	0.62	1.30	0.48	0.95	60.90	60.69	100.00	0.000	0.0E0	0.000	0.000
70.25	0.62	1.30	0.48	0.94	60.90	60.71	100.00	0.000	0.0E0	0.000	0.000
70.20	0.62	1.30	0.48	0.94	60.90	60.72	100.00	0.000	0.0E0	0.000	0.000
70.15	0.62	1.30	0.48	0.94	60.90	60.73	100.00	0.000	0.0E0	0.000	0.000
70.10	0.62	1.30	0.48	0.94	60.90	60.74	100.00	0.000	0.0E0	0.000	0.000
70.05	0.62	1.30	0.48	0.94	60.90	60.76	100.00	0.000	0.0E0	0.000	0.000
70.00	0.62	1.30	0.48	0.94	60.90	60.77	100.00	0.000	0.0E0	0.000	0.000
69.95	0.62	1.30	0.48	0.94	60.90	60.78	100.00	0.000	0.0E0	0.000	0.000
69.90	0.62	1.30	0.48	0.94	60.90	60.79	100.00	0.000	0.0E0	0.000	0.000
69.85	0.62	1.30	0.48	0.94	60.90	60.81	100.00	0.000	0.0E0	0.000	0.000
69.80	0.62	1.30	0.48	0.94	60.90	60.82	100.00	0.000	0.0E0	0.000	0.000
69.75	0.62	1.30	0.48	0.94	60.90	60.83	100.00	0.000	0.0E0	0.000	0.000
69.70	0.62	1.30	0.48	0.94	60.90	60.84	100.00	0.000	0.0E0	0.000	0.000
69.65	0.62	1.30	0.48	0.94	60.90	60.86	100.00	0.000	0.0E0	0.000	0.000
69.60	0.62	1.30	0.48	0.94	60.90	60.87	100.00	0.000	0.0E0	0.000	0.000
69.55	0.62	1.30	0.48	0.94	60.90	60.88	100.00	0.000	0.0E0	0.000	0.000
69.50	0.62	1.30	0.48	0.94	60.90	60.89	100.00	0.000	0.0E0	0.000	0.000
69.45	0.62	1.30	0.48	0.94	60.90	60.91	100.00	0.000	0.0E0	0.000	0.000
69.40	0.62	1.30	0.48	0.94	60.90	60.92	100.00	0.000	0.0E0	0.000	0.000
69.35	0.63	1.30	0.48	0.94	60.90	60.93	100.00	0.000	0.0E0	0.000	0.000
69.30	0.63	1.30	0.48	0.94	60.90	60.94	100.00	0.000	0.0E0	0.000	0.000
69.25	0.63	1.30	0.48	0.94	60.90	60.96	100.00	0.000	0.0E0	0.000	0.000
69.20	0.63	1.30	0.48	0.93	60.90	60.97	100.00	0.000	0.0E0	0.000	0.000
69.15	0.63	1.30	0.48	0.93	60.90	60.98	100.00	0.000	0.0E0	0.000	0.000
69.10	0.63	1.30	0.48	0.93	60.90	60.99	100.00	0.000	0.0E0	0.000	0.000
69.05	0.63	1.30	0.48	0.93	60.90	61.01	100.00	0.000	0.0E0	0.000	0.000
69.00	0.63	1.30	0.48	0.93	60.90	61.02	100.00	0.000	0.0E0	0.000	0.000
68.95	0.63	1.30	0.48	0.93	60.90	61.03	100.00	0.000	0.0E0	0.000	0.000
68.90	0.63	1.30	0.48	0.93	60.90	61.05	100.00	0.000	0.0E0	0.000	0.000
68.85	0.63	1.30	0.48	0.93	60.90	61.06	100.00	0.000	0.0E0	0.000	0.000
68.80	0.63	1.30	0.48	0.93	60.90	61.07	100.00	0.000	0.0E0	0.000	0.000
68.75	0.63	1.30	0.48	0.93	60.90	61.08	100.00	0.000	0.0E0	0.000	0.000
68.70	0.63	1.30	0.49	0.93	60.90	61.10	100.00	0.000	0.0E0	0.000	0.000
68.65	0.63	1.30	0.49	0.93	60.90	61.11	100.00	0.000	0.0E0	0.000	0.000
68.60	0.63	1.30	0.49	0.93	60.90	61.12	100.00	0.000	0.0E0	0.000	0.000
68.55	0.63	1.30	0.49	0.93	60.90	61.14	100.00	0.000	0.0E0	0.000	0.000
68.50	0.63	1.30	0.49	0.93	60.90	61.15	100.00	0.000	0.0E0	0.000	0.000
68.45	0.63	1.30	0.49	0.93	60.90	61.16	100.00	0.000	0.0E0	0.000	0.000
68.40	0.63	1.30	0.49	0.93	60.90	61.17	100.00	0.000	0.0E0	0.000	0.000

68.35	0.63	1.30	0.49	0.93	60.90	61.19	100.00	0.000	0.0E0	0.000	0.000
68.30	0.63	1.30	0.49	0.93	60.90	61.20	100.00	0.000	0.0E0	0.000	0.000
68.25	0.63	1.30	0.49	0.93	60.90	61.21	100.00	0.000	0.0E0	0.000	0.000
68.20	0.63	1.30	0.49	0.93	60.90	61.23	100.00	0.000	0.0E0	0.000	0.000
68.15	0.63	1.30	0.49	0.93	60.90	61.24	100.00	0.000	0.0E0	0.000	0.000
68.10	0.63	1.30	0.49	0.92	60.90	61.25	100.00	0.000	0.0E0	0.000	0.000
68.05	0.64	1.30	0.49	0.92	60.90	61.26	100.00	0.000	0.0E0	0.000	0.000
68.00	0.64	1.30	0.49	0.92	60.90	61.28	100.00	0.000	0.0E0	0.000	0.000
67.95	0.64	1.30	0.49	0.92	60.90	61.29	100.00	0.000	0.0E0	0.000	0.000
67.90	0.64	1.30	0.49	0.92	60.90	61.30	100.00	0.000	0.0E0	0.000	0.000
67.85	0.64	1.30	0.49	0.92	60.90	61.32	100.00	0.000	0.0E0	0.000	0.000
67.80	0.64	1.30	0.49	0.92	60.90	61.33	100.00	0.000	0.0E0	0.000	0.000
67.75	0.64	1.30	0.49	0.92	60.90	61.34	100.00	0.000	0.0E0	0.000	0.000
67.70	0.64	1.30	0.49	0.92	60.90	61.36	100.00	0.000	0.0E0	0.000	0.000
67.65	0.64	1.30	0.49	0.92	60.90	61.37	100.00	0.000	0.0E0	0.000	0.000
67.60	0.64	1.30	0.49	0.92	60.90	61.38	100.00	0.000	0.0E0	0.000	0.000
67.55	0.64	1.30	0.49	0.92	60.90	61.39	100.00	0.000	0.0E0	0.000	0.000
67.50	0.64	1.30	0.49	0.92	60.90	61.41	100.00	0.000	0.0E0	0.000	0.000
67.45	0.64	1.30	0.49	0.92	60.90	61.42	100.00	0.000	0.0E0	0.000	0.000
67.40	0.64	1.30	0.49	0.92	60.90	61.43	100.00	0.000	0.0E0	0.000	0.000
67.35	0.64	1.30	0.49	0.92	60.90	61.45	100.00	0.000	0.0E0	0.000	0.000
67.30	0.64	1.30	0.49	0.92	60.90	61.46	100.00	0.000	0.0E0	0.000	0.000
67.25	0.64	1.30	0.49	0.92	60.90	61.47	100.00	0.000	0.0E0	0.000	0.000
67.20	0.64	1.30	0.49	0.92	60.90	61.49	100.00	0.000	0.0E0	0.000	0.000
67.15	0.64	1.30	0.49	0.92	60.90	61.50	100.00	0.000	0.0E0	0.000	0.000
67.10	0.64	1.30	0.49	0.92	60.90	61.51	100.00	0.000	0.0E0	0.000	0.000
67.05	0.64	1.30	0.49	0.92	60.90	61.53	100.00	0.000	0.0E0	0.000	0.000
67.00	0.64	1.30	0.50	0.91	60.90	61.54	100.00	0.000	0.0E0	0.000	0.000
66.95	0.64	1.30	0.50	0.91	60.90	61.55	100.00	0.000	0.0E0	0.000	0.000
66.90	0.64	1.30	0.50	0.91	60.90	61.57	100.00	0.000	0.0E0	0.000	0.000
66.85	0.64	1.30	0.50	0.91	60.90	61.58	100.00	0.000	0.0E0	0.000	0.000
66.80	0.64	1.30	0.50	0.91	60.90	61.59	100.00	0.000	0.0E0	0.000	0.000
66.75	0.65	1.30	0.50	0.91	60.90	61.61	100.00	0.000	0.0E0	0.000	0.000
66.70	0.65	1.30	0.50	0.91	60.90	61.62	100.00	0.000	0.0E0	0.000	0.000
66.65	0.65	1.30	0.50	0.91	60.90	61.63	100.00	0.000	0.0E0	0.000	0.000
66.60	0.65	1.30	0.50	0.91	60.90	61.65	100.00	0.000	0.0E0	0.000	0.000
66.55	0.65	1.30	0.50	0.91	60.90	61.66	100.00	0.000	0.0E0	0.000	0.000
66.50	0.65	1.30	0.50	0.91	60.90	61.67	100.00	0.000	0.0E0	0.000	0.000
66.45	0.65	1.30	0.50	0.91	60.90	61.69	100.00	0.000	0.0E0	0.000	0.000
66.40	0.65	1.30	0.50	0.91	60.90	61.70	100.00	0.000	0.0E0	0.000	0.000
66.35	0.65	1.30	0.50	0.91	60.90	61.71	100.00	0.000	0.0E0	0.000	0.000
66.30	0.65	1.30	0.50	0.91	60.90	61.73	100.00	0.000	0.0E0	0.000	0.000
66.25	0.65	1.30	0.50	0.91	60.90	61.74	100.00	0.000	0.0E0	0.000	0.000
66.20	0.65	1.30	0.50	0.91	60.90	61.75	100.00	0.000	0.0E0	0.000	0.000
66.15	0.65	1.30	0.50	0.91	60.90	61.77	100.00	0.000	0.0E0	0.000	0.000
66.10	0.65	1.30	0.50	0.91	60.90	61.78	100.00	0.000	0.0E0	0.000	0.000
66.05	0.65	1.30	0.50	0.91	60.90	61.79	100.00	0.000	0.0E0	0.000	0.000
66.00	0.65	1.30	0.50	0.91	60.90	61.81	100.00	0.000	0.0E0	0.000	0.000
65.95	0.65	1.30	0.50	0.91	60.90	61.82	100.00	0.000	0.0E0	0.000	0.000
65.90	0.65	1.30	0.50	0.91	60.90	61.83	100.00	0.000	0.0E0	0.000	0.000
65.85	0.65	1.30	0.50	0.90	60.90	61.85	100.00	0.000	0.0E0	0.000	0.000
65.80	0.65	1.30	0.50	0.90	60.90	61.86	100.00	0.000	0.0E0	0.000	0.000
65.75	0.65	1.30	0.50	0.90	60.90	61.88	100.00	0.000	0.0E0	0.000	0.000
65.70	0.65	1.30	0.50	0.90	60.90	61.89	100.00	0.000	0.0E0	0.000	0.000
65.65	0.65	1.30	0.50	0.90	60.90	61.90	100.00	0.000	0.0E0	0.000	0.000
65.60	0.65	1.30	0.50	0.90	60.90	61.92	100.00	0.000	0.0E0	0.000	0.000
65.55	0.65	1.30	0.50	0.90	60.90	61.93	100.00	0.000	0.0E0	0.000	0.000
65.50	0.65	1.30	0.50	0.90	60.90	61.94	100.00	0.000	0.0E0	0.000	0.000
65.45	0.66	1.30	0.50	0.90	60.90	61.96	100.00	0.000	0.0E0	0.000	0.000
65.40	0.66	1.30	0.50	0.90	60.90	61.97	100.00	0.000	0.0E0	0.000	0.000
65.35	0.66	1.30	0.50	0.90	60.90	61.98	100.00	0.000	0.0E0	0.000	0.000
65.30	0.66	1.30	0.51	0.90	60.90	62.00	100.00	0.000	0.0E0	0.000	0.000
65.25	0.66	1.30	0.51	0.90	60.90	62.01	100.00	0.000	0.0E0	0.000	0.000
65.20	0.66	1.30	0.51	0.90	60.90	62.03	100.00	0.000	0.0E0	0.000	0.000
65.15	0.66	1.30	0.51	0.90	60.90	62.04	100.00	0.000	0.0E0	0.000	0.000
65.10	0.66	1.30	0.51	0.90	60.90	62.05	100.00	0.000	0.0E0	0.000	0.000
65.05	0.66	1.30	0.51	0.90	60.90	62.07	100.00	0.000	0.0E0	0.000	0.000
65.00	0.66	1.30	0.51	0.90	60.90	62.08	100.00	0.000	0.0E0	0.000	0.000
64.95	0.66	1.30	0.51	0.90	60.90	62.17	100.00	0.000	0.0E0	0.000	0.000
64.90	0.66	1.30	0.51	0.90	60.90	62.26	100.00	0.000	0.0E0	0.000	0.000
64.85	0.66	1.30	0.51	0.90	60.90	62.34	100.00	0.000	0.0E0	0.000	0.000
64.80	0.66	1.30	0.51	0.90	60.90	62.43	100.00	0.000	0.0E0	0.000	0.000
64.75	0.66	1.30	0.51	0.90	60.90	62.52	100.00	0.000	0.0E0	0.000	0.000

64.70	0.66	1.30	0.51	0.90	60.90	62.61	100.00	0.000	0.0E0	0.000	0.000
64.65	0.66	1.30	0.51	0.89	60.90	62.69	100.00	0.000	0.0E0	0.000	0.000
64.60	0.66	1.30	0.51	0.89	60.90	62.78	100.00	0.000	0.0E0	0.000	0.000
64.55	0.66	1.30	0.51	0.89	60.90	62.87	100.00	0.000	0.0E0	0.000	0.000
64.50	0.66	1.30	0.51	0.89	60.90	62.96	100.00	0.000	0.0E0	0.000	0.000
64.45	0.66	1.30	0.51	0.89	60.90	63.04	100.00	0.000	0.0E0	0.000	0.000
64.40	0.66	1.30	0.51	0.89	60.90	63.13	100.00	0.000	0.0E0	0.000	0.000
64.35	0.66	1.30	0.51	0.89	60.90	63.22	100.00	0.000	0.0E0	0.000	0.000
64.30	0.66	1.30	0.51	0.89	60.90	63.31	100.00	0.000	0.0E0	0.000	0.000
64.25	0.66	1.30	0.51	0.89	60.90	63.40	100.00	0.000	0.0E0	0.000	0.000
64.20	0.66	1.30	0.51	0.89	60.90	63.49	100.00	0.000	0.0E0	0.000	0.000
64.15	0.67	1.30	0.51	0.89	60.90	63.57	100.00	0.000	0.0E0	0.000	0.000
64.10	0.67	1.30	0.51	0.89	60.90	63.66	100.00	0.000	0.0E0	0.000	0.000
64.05	0.67	1.30	0.51	0.89	60.90	63.75	100.00	0.000	0.0E0	0.000	0.000
64.00	0.67	1.30	0.51	0.89	60.90	63.84	100.00	0.000	0.0E0	0.000	0.000
63.95	0.67	1.30	0.51	0.89	60.90	63.93	100.00	0.000	0.0E0	0.000	0.000
63.90	0.67	1.30	0.51	0.89	60.90	64.02	100.00	0.000	0.0E0	0.000	0.000
63.85	0.67	1.30	0.51	0.89	60.90	64.11	100.00	0.000	0.0E0	0.000	0.000
63.80	0.67	1.30	0.51	0.89	60.90	64.20	100.00	0.000	0.0E0	0.000	0.000
63.75	0.67	1.30	0.51	0.89	60.90	64.29	100.00	0.000	0.0E0	0.000	0.000
63.70	0.67	1.30	0.51	0.89	60.90	64.38	100.00	0.000	0.0E0	0.000	0.000
63.65	0.67	1.30	0.51	0.89	60.90	64.47	100.00	0.000	0.0E0	0.000	0.000
63.60	0.67	1.30	0.52	0.89	60.90	64.55	100.00	0.000	0.0E0	0.000	0.000
63.55	0.67	1.30	0.52	0.89	60.90	64.64	100.00	0.000	0.0E0	0.000	0.000
63.50	0.67	1.30	0.52	0.88	60.90	64.73	100.00	0.000	0.0E0	0.000	0.000
63.45	0.67	1.30	0.52	0.88	60.90	64.82	100.00	0.000	0.0E0	0.000	0.000
63.40	0.67	1.30	0.52	0.88	60.90	64.91	100.00	0.000	0.0E0	0.000	0.000
63.35	0.67	1.30	0.52	0.88	60.90	65.00	100.00	0.000	0.0E0	0.000	0.000
63.30	0.67	1.30	0.52	0.88	60.90	65.09	100.00	0.000	0.0E0	0.000	0.000
63.25	0.67	1.30	0.52	0.88	60.90	65.18	100.00	0.000	0.0E0	0.000	0.000
63.20	0.67	1.30	0.52	0.88	60.90	65.27	100.00	0.000	0.0E0	0.000	0.000
63.15	0.67	1.30	0.52	0.88	60.90	65.37	100.00	0.000	0.0E0	0.000	0.000
63.10	0.67	1.30	0.52	0.88	60.90	65.46	100.00	0.000	0.0E0	0.000	0.000
63.05	0.67	1.30	0.52	0.88	60.90	65.55	100.00	0.000	0.0E0	0.000	0.000
63.00	0.67	1.30	0.52	0.88	60.90	65.64	100.00	0.000	0.0E0	0.000	0.000
62.95	0.67	1.30	0.52	0.88	60.90	65.73	100.00	0.000	0.0E0	0.000	0.000
62.90	0.68	1.30	0.52	0.88	60.90	65.82	100.00	0.000	0.0E0	0.000	0.000
62.85	0.68	1.30	0.52	0.88	60.90	65.91	100.00	0.000	0.0E0	0.000	0.000
62.80	0.68	1.30	0.52	0.88	60.90	66.00	100.00	0.000	0.0E0	0.000	0.000
62.75	0.68	1.30	0.52	0.88	60.90	66.09	100.00	0.000	0.0E0	0.000	0.000
62.70	0.68	1.30	0.52	0.88	60.90	66.18	100.00	0.000	0.0E0	0.000	0.000
62.65	0.68	1.30	0.52	0.88	60.90	66.28	100.00	0.000	0.0E0	0.000	0.000
62.60	0.68	1.30	0.52	0.88	60.90	66.37	100.00	0.000	0.0E0	0.000	0.000
62.55	0.68	1.30	0.52	0.88	60.90	66.46	100.00	0.000	0.0E0	0.000	0.000
62.50	0.68	1.30	0.52	0.88	60.90	66.55	100.00	0.000	0.0E0	0.000	0.000
62.45	0.68	1.30	0.52	0.88	60.90	66.64	100.00	0.000	0.0E0	0.000	0.000
62.40	0.68	1.30	0.52	0.88	60.90	66.73	100.00	0.000	0.0E0	0.000	0.000
62.35	0.68	1.30	0.52	0.88	60.90	66.83	100.00	0.000	0.0E0	0.000	0.000
62.30	0.68	1.30	0.52	0.87	60.90	66.92	100.00	0.000	0.0E0	0.000	0.000
62.25	0.68	1.30	0.52	0.87	60.90	67.01	100.00	0.000	0.0E0	0.000	0.000
62.20	0.68	1.30	0.52	0.87	60.90	67.10	100.00	0.000	0.0E0	0.000	0.000
62.15	0.68	1.30	0.52	0.87	60.90	67.20	100.00	0.000	0.0E0	0.000	0.000
62.10	0.68	1.30	0.52	0.87	60.90	67.29	100.00	0.000	0.0E0	0.000	0.000
62.05	0.68	1.30	0.53	0.87	60.90	67.38	100.00	0.000	0.0E0	0.000	0.000
62.00	0.68	1.30	0.53	0.87	60.90	67.47	100.00	0.000	0.0E0	0.000	0.000
61.95	0.68	1.30	0.53	0.87	60.90	67.57	100.00	0.000	0.0E0	0.000	0.000
61.90	0.68	1.30	0.53	0.87	60.90	67.66	100.00	0.000	0.0E0	0.000	0.000
61.85	0.68	1.30	0.53	0.87	60.90	67.75	100.00	0.000	0.0E0	0.000	0.000
61.80	0.68	1.30	0.53	0.87	60.90	67.85	100.00	0.000	0.0E0	0.000	0.000
61.75	0.68	1.30	0.53	0.87	60.90	67.94	100.00	0.000	0.0E0	0.000	0.000
61.70	0.69	1.30	0.53	0.87	60.90	68.03	100.00	0.000	0.0E0	0.000	0.000
61.65	0.69	1.30	0.53	0.87	60.90	68.13	100.00	0.000	0.0E0	0.000	0.000
61.60	0.69	1.30	0.53	0.87	60.90	68.22	100.00	0.000	0.0E0	0.000	0.000
61.55	0.69	1.30	0.53	0.87	60.90	68.31	100.00	0.000	0.0E0	0.000	0.000
61.50	0.69	1.30	0.53	0.87	60.90	68.41	100.00	0.000	0.0E0	0.000	0.000
61.45	0.69	1.30	0.53	0.87	60.90	68.50	100.00	0.000	0.0E0	0.000	0.000
61.40	0.69	1.30	0.53	0.87	60.90	68.60	100.00	0.000	0.0E0	0.000	0.000
61.35	0.69	1.30	0.53	0.87	60.90	68.69	100.00	0.000	0.0E0	0.000	0.000
61.30	0.69	1.30	0.53	0.87	60.90	68.78	100.00	0.000	0.0E0	0.000	0.000
61.25	0.69	1.30	0.53	0.87	60.90	68.88	100.00	0.000	0.0E0	0.000	0.000
61.20	0.69	1.30	0.53	0.87	60.90	68.97	100.00	0.000	0.0E0	0.000	0.000
61.15	0.69	1.30	0.53	0.87	60.90	69.07	100.00	0.000	0.0E0	0.000	0.000
61.10	0.69	1.30	0.53	0.86	60.90	69.16	100.00	0.000	0.0E0	0.000	0.000

61.05	0.69	1.30	0.53	0.86	60.90	69.26	100.00	0.000	0.0E0	0.000	0.000
61.00	0.69	1.30	0.53	0.86	60.90	69.35	100.00	0.000	0.0E0	0.000	0.000
60.95	0.69	1.30	0.53	0.86	60.90	69.45	100.00	0.000	0.0E0	0.000	0.000
60.90	0.69	1.30	0.53	0.86	60.90	69.54	100.00	0.000	0.0E0	0.000	0.000
60.85	0.69	1.30	0.53	0.86	60.90	69.64	100.00	0.000	0.0E0	0.000	0.000
60.80	0.69	1.30	0.53	0.86	60.90	69.73	100.00	0.000	0.0E0	0.000	0.000
60.75	0.69	1.30	0.53	0.86	60.90	69.83	100.00	0.000	0.0E0	0.000	0.000
60.70	0.69	1.30	0.53	0.86	60.90	69.93	100.00	0.000	0.0E0	0.000	0.000
60.65	0.69	1.30	0.53	0.86	60.90	70.02	100.00	0.000	0.0E0	0.000	0.000
60.60	0.69	1.30	0.53	0.86	60.90	70.12	100.00	0.000	0.0E0	0.000	0.000
60.55	0.70	1.30	0.53	0.86	60.90	70.21	100.00	0.000	0.0E0	0.000	0.000
60.50	0.70	1.30	0.54	0.86	60.90	70.31	100.00	0.000	0.0E0	0.000	0.000
60.45	0.70	1.30	0.54	0.86	60.90	70.41	100.00	0.000	0.0E0	0.000	0.000
60.40	0.70	1.30	0.54	0.86	60.90	70.50	100.00	0.000	0.0E0	0.000	0.000
60.35	0.70	1.30	0.54	0.86	60.90	70.60	100.00	0.000	0.0E0	0.000	0.000
60.30	0.70	1.30	0.54	0.86	60.90	70.70	100.00	0.000	0.0E0	0.000	0.000
60.25	0.70	1.30	0.54	0.86	60.90	70.79	100.00	0.000	0.0E0	0.000	0.000
60.20	0.70	1.30	0.54	0.86	60.90	70.89	100.00	0.000	0.0E0	0.000	0.000
60.15	0.70	1.30	0.54	0.86	60.90	70.99	100.00	0.000	0.0E0	0.000	0.000
60.10	0.70	1.30	0.54	0.86	60.90	71.08	100.00	0.000	0.0E0	0.000	0.000
60.05	0.70	1.30	0.54	0.86	60.90	71.18	100.00	0.000	0.0E0	0.000	0.000
60.00	0.70	1.30	0.54	0.86	60.89	71.28	100.00	0.000	0.0E0	0.000	0.000
59.95	0.70	1.30	0.54	0.85	60.37	71.30	100.00	0.000	0.0E0	0.000	0.000
59.90	0.70	1.30	0.54	0.85	59.85	71.32	100.00	0.000	0.0E0	0.000	0.000
59.85	0.70	1.30	0.54	0.85	59.32	71.34	100.00	0.000	0.0E0	0.000	0.000
59.80	0.70	1.30	0.54	0.85	58.80	71.37	100.00	0.000	0.0E0	0.000	0.000
59.75	0.70	1.30	0.54	0.85	58.27	71.39	100.00	0.000	0.0E0	0.000	0.000
59.70	0.70	1.30	0.54	0.85	57.75	71.41	100.00	0.000	0.0E0	0.000	0.000
59.65	0.70	1.30	0.54	0.85	57.23	71.43	100.00	0.000	0.0E0	0.000	0.000
59.60	0.70	1.30	0.54	0.85	56.70	71.45	100.00	0.000	0.0E0	0.000	0.000
59.55	0.70	1.30	0.54	0.85	56.18	71.48	100.00	0.000	0.0E0	0.000	0.000
59.50	0.70	1.30	0.54	0.85	55.65	71.50	100.00	0.000	0.0E0	0.000	0.000
59.45	0.71	1.30	0.54	0.85	55.13	71.52	100.00	0.000	0.0E0	0.000	0.000
59.40	0.71	1.30	0.54	0.85	54.61	71.54	100.00	0.000	0.0E0	0.000	0.000
59.35	0.71	1.30	0.54	0.85	54.08	71.57	100.00	0.000	0.0E0	0.000	0.000
59.30	0.71	1.30	0.54	0.85	53.56	71.59	100.00	0.000	0.0E0	0.000	0.000
59.25	0.71	1.30	0.54	0.85	53.03	71.61	100.00	0.000	0.0E0	0.000	0.000
59.20	0.71	1.30	0.54	0.85	52.51	71.63	100.00	0.000	0.0E0	0.000	0.000
59.15	0.71	1.30	0.54	0.85	51.99	71.65	100.00	0.000	0.0E0	0.000	0.000
59.10	0.71	1.30	0.55	0.85	51.46	71.68	100.00	0.000	0.0E0	0.000	0.000
59.05	0.71	1.30	0.55	0.85	50.94	71.70	100.00	0.000	0.0E0	0.000	0.000
59.00	0.71	1.30	0.55	0.85	50.41	71.72	100.00	0.000	0.0E0	0.000	0.000
58.95	0.71	1.30	0.55	0.85	49.89	71.74	100.00	0.000	0.0E0	0.000	0.000
58.90	0.71	1.30	0.55	0.85	49.37	71.77	100.00	0.000	0.0E0	0.000	0.000
58.85	0.71	1.30	0.55	0.85	48.84	71.79	100.00	0.000	0.0E0	0.000	0.000
58.80	0.71	1.30	0.55	0.85	48.32	71.81	100.00	0.000	0.0E0	0.000	0.000
58.75	0.71	1.30	0.55	0.84	47.79	71.83	100.00	0.000	0.0E0	0.000	0.000
58.70	0.71	1.30	0.55	0.84	47.27	71.85	100.00	0.000	0.0E0	0.000	0.000
58.65	0.71	1.30	0.55	0.84	46.75	71.88	100.00	0.000	0.0E0	0.000	0.000
58.60	0.71	1.30	0.55	0.84	46.22	71.90	100.00	0.000	0.0E0	0.000	0.000
58.55	0.71	1.30	0.55	0.84	45.70	71.92	100.00	0.000	0.0E0	0.000	0.000
58.50	0.71	1.30	0.55	0.84	45.17	71.94	100.00	0.000	0.0E0	0.000	0.000
58.45	0.71	1.30	0.55	0.84	44.65	71.97	100.00	0.000	0.0E0	0.000	0.000
58.40	0.71	1.30	0.55	0.84	44.13	71.99	100.00	0.000	0.0E0	0.000	0.000
58.35	0.71	1.30	0.55	0.84	43.60	72.01	100.00	0.000	0.0E0	0.000	0.000
58.30	0.72	1.30	0.55	0.84	43.08	72.03	100.00	0.000	0.0E0	0.000	0.000
58.25	0.72	1.30	0.55	0.84	42.55	72.06	100.00	0.000	0.0E0	0.000	0.000
58.20	0.72	1.30	0.55	0.84	42.03	72.08	100.00	0.000	0.0E0	0.000	0.000
58.15	0.72	1.30	0.55	0.84	41.51	72.10	100.00	0.000	0.0E0	0.000	0.000
58.10	0.72	1.30	0.55	0.84	40.98	72.12	100.00	0.000	0.0E0	0.000	0.000
58.05	0.72	1.30	0.55	0.84	40.46	72.14	100.00	0.000	0.0E0	0.000	0.000
58.00	0.72	1.30	0.55	0.84	39.93	72.17	100.00	0.000	0.0E0	0.000	0.000
57.95	0.72	1.30	0.55	0.84	39.41	72.19	100.00	0.000	0.0E0	0.000	0.000
57.90	0.72	1.30	0.55	0.84	38.89	72.21	100.00	0.000	0.0E0	0.000	0.000
57.85	0.72	1.30	0.55	0.84	38.36	72.23	100.00	0.000	0.0E0	0.000	0.000
57.80	0.72	1.30	0.55	0.84	37.84	72.26	100.00	0.000	0.0E0	0.000	0.000
57.75	0.72	1.30	0.55	0.84	37.31	72.28	100.00	0.000	0.0E0	0.000	0.000
57.70	0.72	1.30	0.55	0.84	36.79	72.30	100.00	0.000	0.0E0	0.000	0.000
57.65	0.72	1.30	0.56	0.84	36.27	72.32	100.00	0.000	0.0E0	0.000	0.000
57.60	0.72	1.30	0.56	0.84	35.74	72.35	100.00	0.000	0.0E0	0.000	0.000
57.55	0.72	1.30	0.56	0.84	35.22	72.37	100.00	0.000	0.0E0	0.000	0.000
57.50	0.72	1.30	0.56	0.83	34.69	72.04	100.00	0.000	0.0E0	0.000	0.000
57.45	0.72	1.30	0.56	0.83	34.17	71.78	100.00	0.000	0.0E0	0.000	0.000

57.40	0.72	1.30	0.56	0.83	33.65	71.52	100.00	0.000	0.0E0	0.000	0.000
57.35	0.72	1.30	0.56	0.83	33.12	71.26	100.00	0.000	0.0E0	0.000	0.000
57.30	0.72	1.30	0.56	0.83	32.60	71.00	100.00	0.000	0.0E0	0.000	0.000
57.25	0.72	1.30	0.56	0.83	32.07	70.74	100.00	0.000	0.0E0	0.000	0.000
57.20	0.73	1.30	0.56	0.83	31.55	70.48	100.00	0.000	0.0E0	0.000	0.000
57.15	0.73	1.30	0.56	0.83	31.03	70.23	100.00	0.000	0.0E0	0.000	0.000
57.10	0.73	1.30	0.56	0.83	30.50	69.97	100.00	0.000	0.0E0	0.000	0.000
57.05	0.73	1.30	0.56	0.83	29.98	69.71	100.00	0.000	0.0E0	0.000	0.000
57.00	0.73	1.30	0.56	0.83	29.45	69.46	100.00	0.000	0.0E0	0.000	0.000
56.95	0.73	1.30	0.56	0.83	28.93	69.20	100.00	0.000	0.0E0	0.000	0.000
56.90	0.73	1.30	0.56	0.83	28.41	68.95	100.00	0.000	0.0E0	0.000	0.000
56.85	0.73	1.30	0.56	0.83	27.88	68.69	100.00	0.000	0.0E0	0.000	0.000
56.80	0.73	1.30	0.56	0.83	27.36	68.44	100.00	0.000	0.0E0	0.000	0.000
56.75	0.73	1.30	0.56	0.83	26.83	68.19	100.00	0.000	0.0E0	0.000	0.000
56.70	0.73	1.30	0.56	0.83	26.31	67.93	100.00	0.000	0.0E0	0.000	0.000
56.65	0.73	1.30	0.56	0.83	25.79	67.68	100.00	0.000	0.0E0	0.000	0.000
56.60	0.73	1.30	0.56	0.83	25.26	67.42	100.00	0.000	0.0E0	0.000	0.000
56.55	0.73	1.30	0.56	0.83	24.74	67.16	100.00	0.000	0.0E0	0.000	0.000
56.50	0.73	1.30	0.56	0.83	24.21	66.91	100.00	0.000	0.0E0	0.000	0.000
56.45	0.73	1.30	0.56	0.83	23.69	66.65	100.00	0.000	0.0E0	0.000	0.000
56.40	0.73	1.30	0.56	0.83	23.17	66.39	100.00	0.000	0.0E0	0.000	0.000
56.35	0.73	1.30	0.56	0.83	22.64	66.13	100.00	0.000	0.0E0	0.000	0.000
56.30	0.73	1.30	0.56	0.83	22.12	65.87	100.00	0.000	0.0E0	0.000	0.000
56.25	0.73	1.30	0.56	0.83	21.59	65.61	100.00	0.000	0.0E0	0.000	0.000
56.20	0.73	1.30	0.57	0.82	21.07	65.35	100.00	0.000	0.0E0	0.000	0.000
56.15	0.73	1.30	0.57	0.82	20.55	65.08	100.00	0.000	0.0E0	0.000	0.000
56.10	0.73	1.30	0.57	0.82	20.02	64.81	100.00	0.000	0.0E0	0.000	0.000
56.05	0.74	1.30	0.57	0.82	19.50	64.54	100.00	0.000	0.0E0	0.000	0.000
56.00	0.74	1.30	0.57	0.82	18.97	64.27	100.00	0.000	0.0E0	0.000	0.000
55.95	0.74	1.30	0.57	0.82	18.45	64.00	100.00	0.000	0.0E0	0.000	0.000
55.90	0.74	1.30	0.57	0.82	17.93	63.72	100.00	0.000	0.0E0	0.000	0.000
55.85	0.74	1.30	0.57	0.82	17.40	63.44	100.00	0.000	0.0E0	0.000	0.000
55.80	0.74	1.30	0.57	0.82	16.88	63.15	100.00	0.000	0.0E0	0.000	0.000
55.75	0.74	1.30	0.57	0.82	16.35	62.86	100.00	0.000	0.0E0	0.000	0.000
55.70	0.74	1.30	0.57	0.82	15.83	62.57	100.00	0.000	0.0E0	0.000	0.000
55.65	0.74	1.30	0.57	0.82	15.31	62.27	100.00	0.000	0.0E0	0.000	0.000
55.60	0.74	1.30	0.57	0.82	14.78	61.97	100.00	0.000	0.0E0	0.000	0.000
55.55	0.74	1.30	0.57	0.82	14.26	61.67	100.00	0.000	0.0E0	0.000	0.000
55.50	0.74	1.30	0.57	0.82	13.73	61.36	100.00	0.000	0.0E0	0.000	0.000
55.45	0.74	1.30	0.57	0.82	13.21	61.05	100.00	0.000	0.0E0	0.000	0.000
55.40	0.74	1.30	0.57	0.82	12.69	60.74	100.00	0.000	0.0E0	0.000	0.000
55.35	0.74	1.30	0.57	0.82	12.16	60.42	100.00	0.000	0.0E0	0.000	0.000
55.30	0.74	1.30	0.57	0.82	11.64	60.11	100.00	0.000	0.0E0	0.000	0.000
55.25	0.74	1.30	0.57	0.82	11.11	59.79	100.00	0.000	0.0E0	0.000	0.000
55.20	0.74	1.30	0.57	0.82	10.59	59.49	100.00	0.000	0.0E0	0.000	0.000
55.15	0.74	1.30	0.57	0.82	10.07	59.18	100.00	0.000	0.0E0	0.000	0.000
55.10	0.74	1.30	0.57	0.82	9.54	58.89	100.00	0.000	0.0E0	0.000	0.000
55.05	0.74	1.30	0.57	0.82	9.02	58.62	100.00	0.000	0.0E0	0.000	0.000
55.00	0.74	1.30	0.57	0.82	8.50	58.36	100.00	0.000	0.0E0	0.000	0.000
54.95	0.75	1.30	0.57	0.82	8.50	58.02	100.00	0.000	0.0E0	0.000	0.000
54.90	0.75	1.30	0.57	0.82	8.50	57.68	100.00	0.000	0.0E0	0.000	0.000
54.85	0.75	1.30	0.57	0.81	8.50	57.35	100.00	0.000	0.0E0	0.000	0.000
54.80	0.75	1.30	0.57	0.81	8.50	57.01	100.00	0.000	0.0E0	0.000	0.000
54.75	0.75	1.30	0.57	0.81	8.50	56.67	100.00	0.000	0.0E0	0.000	0.000
54.70	0.75	1.30	0.58	0.81	8.50	56.34	100.00	0.000	0.0E0	0.000	0.000
54.65	0.75	1.30	0.58	0.81	8.50	56.00	100.00	0.000	0.0E0	0.000	0.000
54.60	0.75	1.30	0.58	0.81	8.50	55.66	100.00	0.000	0.0E0	0.000	0.000
54.55	0.75	1.30	0.58	0.81	8.50	55.32	100.00	0.000	0.0E0	0.000	0.000
54.50	0.75	1.30	0.58	0.81	8.50	54.98	100.00	0.000	0.0E0	0.000	0.000
54.45	0.75	1.30	0.58	0.81	8.50	54.64	100.00	0.000	0.0E0	0.000	0.000
54.40	0.75	1.30	0.58	0.81	8.50	54.31	100.00	0.000	0.0E0	0.000	0.000
54.35	0.75	1.30	0.58	0.81	8.50	53.97	100.00	0.000	0.0E0	0.000	0.000
54.30	0.75	1.30	0.58	0.81	8.50	53.63	100.00	0.000	0.0E0	0.000	0.000
54.25	0.75	1.30	0.58	0.81	8.50	53.29	100.00	0.000	0.0E0	0.000	0.000
54.20	0.75	1.30	0.58	0.81	8.50	52.95	100.00	0.000	0.0E0	0.000	0.000
54.15	0.75	1.30	0.58	0.81	8.50	52.61	100.00	0.000	0.0E0	0.000	0.000
54.10	0.75	1.30	0.58	0.81	8.50	52.27	100.00	0.000	0.0E0	0.000	0.000
54.05	0.75	1.30	0.58	0.81	8.50	51.93	100.00	0.000	0.0E0	0.000	0.000
54.00	0.75	1.30	0.58	0.81	8.50	51.59	100.00	0.000	0.0E0	0.000	0.000
53.95	0.75	1.30	0.58	0.81	8.50	51.25	100.00	0.000	0.0E0	0.000	0.000
53.90	0.75	1.30	0.58	0.81	8.50	50.91	100.00	0.000	0.0E0	0.000	0.000
53.85	0.75	1.30	0.58	0.81	8.50	50.56	100.00	0.000	0.0E0	0.000	0.000
53.80	0.76	1.30	0.58	0.81	8.50	50.22	100.00	0.000	0.0E0	0.000	0.000

53.75	0.76	1.30	0.58	0.81	8.50	49.88	100.00	0.000	0.0E0	0.000	0.000
53.70	0.76	1.30	0.58	0.81	8.50	49.54	100.00	0.000	0.0E0	0.000	0.000
53.65	0.76	1.30	0.58	0.81	8.50	49.20	100.00	0.000	0.0E0	0.000	0.000
53.60	0.76	1.30	0.58	0.81	8.50	48.85	100.00	0.000	0.0E0	0.000	0.000
53.55	0.76	1.30	0.58	0.81	8.50	48.51	100.00	0.000	0.0E0	0.000	0.000
53.50	0.76	1.30	0.58	0.81	8.50	48.17	100.00	0.000	0.0E0	0.000	0.000
53.45	0.76	1.30	0.58	0.80	8.50	47.83	100.00	0.000	0.0E0	0.000	0.000
53.40	0.76	1.30	0.58	0.80	8.50	47.48	100.00	0.000	0.0E0	0.000	0.000
53.35	0.76	1.30	0.58	0.80	8.50	47.14	100.00	0.000	0.0E0	0.000	0.000
53.30	0.76	1.30	0.58	0.80	8.50	46.80	100.00	0.000	0.0E0	0.000	0.000
53.25	0.76	1.30	0.58	0.80	8.50	46.45	100.00	0.000	0.0E0	0.000	0.000
53.20	0.76	1.30	0.59	0.80	8.50	46.11	100.00	0.000	0.0E0	0.000	0.000
53.15	0.76	1.30	0.59	0.80	8.50	45.76	100.00	0.000	0.0E0	0.000	0.000
53.10	0.76	1.30	0.59	0.80	8.50	45.42	100.00	0.000	0.0E0	0.000	0.000
53.05	0.76	1.30	0.59	0.80	8.50	45.07	100.00	0.000	0.0E0	0.000	0.000
53.00	0.76	1.30	0.59	0.80	8.50	44.73	100.00	0.000	0.0E0	0.000	0.000
52.95	0.76	1.30	0.59	0.80	8.50	44.38	100.00	0.000	0.0E0	0.000	0.000
52.90	0.76	1.30	0.59	0.80	8.50	44.04	100.00	0.000	0.0E0	0.000	0.000
52.85	0.76	1.30	0.59	0.80	8.50	43.69	100.00	0.000	0.0E0	0.000	0.000
52.80	0.76	1.30	0.59	0.80	8.50	43.35	100.00	0.000	0.0E0	0.000	0.000
52.75	0.76	1.30	0.59	0.80	8.50	43.00	100.00	0.000	0.0E0	0.000	0.000
52.70	0.76	1.30	0.59	0.80	8.50	42.65	100.00	0.000	0.0E0	0.000	0.000
52.65	0.77	1.30	0.59	0.80	8.50	42.31	100.00	0.000	0.0E0	0.000	0.000
52.60	0.77	1.30	0.59	0.80	8.50	41.96	100.00	0.000	0.0E0	0.000	0.000
52.55	0.77	1.30	0.59	0.80	8.50	41.61	100.00	0.000	0.0E0	0.000	0.000
52.50	0.77	1.30	0.59	0.80	8.50	41.26	100.00	0.000	0.0E0	0.000	0.000
52.45	0.77	1.30	0.59	0.80	8.50	40.92	100.00	0.000	0.0E0	0.000	0.000
52.40	0.77	1.30	0.59	0.80	8.50	40.57	100.00	0.000	0.0E0	0.000	0.000
52.35	0.77	1.30	0.59	0.80	8.50	40.22	100.00	0.000	0.0E0	0.000	0.000
52.30	0.77	1.30	0.59	0.80	8.50	39.87	100.00	0.000	0.0E0	0.000	0.000
52.25	0.77	1.30	0.59	0.80	8.50	39.52	100.00	0.000	0.0E0	0.000	0.000
52.20	0.77	1.30	0.59	0.80	8.50	39.18	100.00	0.000	0.0E0	0.000	0.000
52.15	0.77	1.30	0.59	0.80	8.50	38.83	100.00	0.000	0.0E0	0.000	0.000
52.10	0.77	1.30	0.59	0.80	8.50	38.48	100.00	0.000	0.0E0	0.000	0.000
52.05	0.77	1.30	0.59	0.80	8.50	38.13	100.00	0.000	0.0E0	0.000	0.000
52.00	0.77	1.30	0.59	0.79	8.50	37.78	100.00	0.000	0.0E0	0.000	0.000
51.95	0.77	1.30	0.59	0.79	8.50	37.43	100.00	0.000	0.0E0	0.000	0.000
51.90	0.77	1.30	0.59	0.79	8.50	37.08	100.00	0.000	0.0E0	0.000	0.000
51.85	0.77	1.30	0.59	0.79	8.50	36.73	100.00	0.000	0.0E0	0.000	0.000
51.80	0.77	1.30	0.59	0.79	8.50	36.38	100.00	0.107	6.4E-4	0.001	0.001
51.75	0.77	1.30	0.60	0.79	8.50	36.03	100.00	0.119	7.1E-4	0.001	0.001
51.70	0.77	1.30	0.60	0.79	8.50	35.67	100.00	0.130	7.8E-4	0.001	0.002
51.65	0.77	1.30	0.60	0.79	8.50	35.32	100.00	0.141	8.5E-4	0.001	0.003
51.60	0.77	1.30	0.60	0.79	8.50	34.97	100.00	0.153	9.2E-4	0.001	0.004
51.55	0.78	1.30	0.60	0.79	8.50	34.62	100.00	0.164	9.8E-4	0.001	0.005
51.50	0.78	1.30	0.60	0.79	8.50	34.27	100.00	0.175	1.1E-3	0.001	0.006
51.45	0.78	1.30	0.60	0.79	8.50	33.92	99.66	0.187	1.1E-3	0.001	0.007
51.40	0.78	1.30	0.60	0.79	8.50	33.56	98.73	0.198	1.2E-3	0.001	0.008
51.35	0.78	1.30	0.60	0.79	8.50	33.21	97.81	0.257	1.5E-3	0.002	0.010
51.30	0.78	1.30	0.60	0.79	8.50	32.86	96.90	0.325	2.0E-3	0.002	0.012
51.25	0.78	1.30	0.60	0.79	8.50	32.50	96.01	0.394	2.4E-3	0.002	0.014
51.20	0.78	1.30	0.60	0.79	8.50	32.15	95.13	0.463	2.8E-3	0.003	0.017
51.15	0.78	1.30	0.60	0.79	8.50	31.80	94.26	0.521	3.1E-3	0.003	0.020
51.10	0.78	1.30	0.60	0.79	8.50	31.44	93.41	0.566	3.4E-3	0.003	0.023
51.05	0.78	1.30	0.60	0.79	8.50	31.09	92.57	0.611	3.7E-3	0.004	0.027
51.00	0.78	1.30	0.60	0.79	8.50	30.73	91.74	0.656	3.9E-3	0.004	0.031
50.95	0.78	1.30	0.60	0.79	8.50	30.38	90.92	0.701	4.2E-3	0.004	0.035
50.90	0.78	1.30	0.60	0.73	8.50	30.02	90.11	0.746	4.5E-3	0.004	0.040
50.85	0.78	1.30	0.60	0.65	8.50	29.67	89.31	0.792	4.8E-3	0.005	0.044
50.80	0.78	1.30	0.60	0.61	8.50	29.31	88.53	0.837	5.0E-3	0.005	0.049
50.75	0.78	1.30	0.60	0.59	8.50	28.96	87.75	0.882	5.3E-3	0.005	0.055
50.70	0.78	1.30	0.60	0.57	8.50	28.60	86.98	0.928	5.6E-3	0.006	0.060
50.65	0.78	1.30	0.60	0.55	8.50	28.24	86.22	0.973	5.8E-3	0.006	0.066
50.60	0.78	1.30	0.60	0.53	8.50	27.89	85.48	1.009	6.1E-3	0.006	0.072
50.55	0.78	1.30	0.60	0.52	8.50	27.53	84.74	1.031	6.2E-3	0.006	0.078
50.50	0.78	1.30	0.60	0.51	8.50	27.17	84.00	1.054	6.3E-3	0.006	0.085
50.45	0.78	1.30	0.60	0.50	8.50	26.82	83.28	1.076	6.5E-3	0.006	0.091
50.40	0.79	1.30	0.60	0.48	8.50	26.46	82.56	1.098	6.6E-3	0.007	0.098
50.35	0.79	1.30	0.60	0.47	8.50	26.10	81.86	1.121	6.7E-3	0.007	0.104
50.30	0.79	1.30	0.61	0.46	8.50	25.74	81.15	1.143	6.9E-3	0.007	0.111
50.25	0.79	1.30	0.61	0.45	8.50	25.38	80.46	1.166	7.0E-3	0.007	0.118
50.20	0.79	1.30	0.61	0.44	8.50	25.03	79.77	1.188	7.1E-3	0.007	0.125
50.15	0.79	1.30	0.61	0.43	8.50	24.67	79.08	1.210	7.3E-3	0.007	0.133

50.10	0.79	1.30	0.61	0.43	8.50	24.31	78.41	1.233	7.4E-3	0.007	0.140
50.05	0.79	1.30	0.61	0.42	8.50	23.95	77.73	1.255	7.5E-3	0.008	0.148
50.00	0.79	1.30	0.61	0.41	8.50	23.59	77.07	1.277	7.7E-3	0.008	0.155
49.95	0.79	1.30	0.61	0.41	8.50	23.60	77.08	1.277	7.7E-3	0.008	0.163
49.90	0.79	1.30	0.61	0.41	8.50	23.61	77.10	1.276	7.7E-3	0.008	0.171
49.85	0.79	1.30	0.61	0.41	8.50	23.62	77.12	1.276	7.7E-3	0.008	0.178
49.80	0.79	1.30	0.61	0.41	8.50	23.63	77.13	1.275	7.7E-3	0.008	0.186
49.75	0.79	1.30	0.61	0.41	8.50	23.63	77.15	1.275	7.6E-3	0.008	0.194
49.70	0.79	1.30	0.61	0.41	8.50	23.64	77.16	1.274	7.6E-3	0.008	0.201
49.65	0.79	1.30	0.61	0.41	8.50	23.65	77.18	1.274	7.6E-3	0.008	0.209
49.60	0.79	1.30	0.61	0.41	8.50	23.66	77.19	1.273	7.6E-3	0.008	0.217
49.55	0.79	1.30	0.61	0.41	8.50	23.67	77.21	1.273	7.6E-3	0.008	0.224
49.50	0.79	1.30	0.61	0.41	8.50	23.68	77.22	1.272	7.6E-3	0.008	0.232
49.45	0.79	1.30	0.61	0.41	8.50	23.68	77.24	1.272	7.6E-3	0.008	0.239
49.40	0.79	1.30	0.61	0.41	8.50	23.69	77.25	1.271	7.6E-3	0.008	0.247
49.35	0.79	1.30	0.61	0.41	8.50	23.70	77.27	1.271	7.6E-3	0.008	0.255
49.30	0.80	1.30	0.61	0.41	8.50	23.71	77.29	1.270	7.6E-3	0.008	0.262
49.25	0.80	1.30	0.61	0.41	8.50	23.72	77.30	1.270	7.6E-3	0.008	0.270
49.20	0.80	1.30	0.61	0.41	8.50	23.73	77.32	1.269	7.6E-3	0.008	0.278
49.15	0.80	1.30	0.61	0.41	8.50	23.73	77.33	1.269	7.6E-3	0.008	0.285
49.10	0.80	1.30	0.61	0.41	8.50	23.74	77.35	1.268	7.6E-3	0.008	0.293
49.05	0.80	1.30	0.61	0.41	8.50	23.75	77.36	1.268	7.6E-3	0.008	0.300
49.00	0.80	1.30	0.61	0.41	8.50	23.76	77.38	1.267	7.6E-3	0.008	0.308
48.95	0.80	1.30	0.61	0.41	8.50	23.77	77.39	1.267	7.6E-3	0.008	0.316
48.90	0.80	1.30	0.61	0.41	8.50	23.78	77.41	1.266	7.6E-3	0.008	0.323
48.85	0.80	1.30	0.62	0.41	8.50	23.78	77.43	1.265	7.6E-3	0.008	0.331
48.80	0.80	1.30	0.62	0.41	8.50	23.79	77.44	1.265	7.6E-3	0.008	0.338
48.75	0.80	1.30	0.62	0.41	8.50	23.80	77.46	1.264	7.6E-3	0.008	0.346
48.70	0.80	1.30	0.62	0.41	8.50	23.81	77.47	1.264	7.6E-3	0.008	0.354
48.65	0.80	1.30	0.62	0.41	8.50	23.82	77.49	1.263	7.6E-3	0.008	0.361
48.60	0.80	1.30	0.62	0.41	8.50	23.83	77.50	1.263	7.6E-3	0.008	0.369
48.55	0.80	1.30	0.62	0.41	8.50	23.83	77.52	1.262	7.6E-3	0.008	0.376
48.50	0.80	1.30	0.62	0.41	8.50	23.84	77.53	1.262	7.6E-3	0.008	0.384
48.45	0.80	1.30	0.62	0.41	8.50	23.85	77.55	1.261	7.6E-3	0.008	0.391
48.40	0.80	1.30	0.62	0.41	8.50	23.86	77.56	1.261	7.6E-3	0.008	0.399
48.35	0.80	1.30	0.62	0.41	8.50	23.87	77.58	1.260	7.6E-3	0.008	0.407
48.30	0.80	1.30	0.62	0.41	8.50	23.88	77.60	1.260	7.6E-3	0.008	0.414
48.25	0.80	1.30	0.62	0.41	8.50	23.88	77.61	1.259	7.6E-3	0.008	0.422
48.20	0.80	1.30	0.62	0.41	8.50	23.89	77.63	1.259	7.6E-3	0.008	0.429
48.15	0.81	1.30	0.62	0.41	8.50	23.90	77.64	1.258	7.5E-3	0.008	0.437
48.10	0.81	1.30	0.62	0.41	8.50	23.91	77.66	1.258	7.5E-3	0.008	0.444
48.05	0.81	1.30	0.62	0.41	8.50	23.92	77.67	1.257	7.5E-3	0.008	0.452
48.00	0.81	1.30	0.62	0.41	8.50	23.93	77.69	1.257	7.5E-3	0.008	0.459
47.95	0.81	1.30	0.62	0.41	8.50	23.93	77.70	1.256	7.5E-3	0.008	0.467
47.90	0.81	1.30	0.62	0.41	8.50	23.94	77.72	1.256	7.5E-3	0.008	0.474
47.85	0.81	1.30	0.62	0.41	8.50	23.95	77.74	1.255	7.5E-3	0.008	0.482
47.80	0.81	1.30	0.62	0.41	8.50	23.96	77.75	1.255	7.5E-3	0.008	0.489
47.75	0.81	1.30	0.62	0.41	8.50	23.97	77.77	1.254	7.5E-3	0.008	0.497
47.70	0.81	1.30	0.62	0.41	8.50	23.98	77.78	1.254	7.5E-3	0.008	0.505
47.65	0.81	1.30	0.62	0.41	8.50	23.98	77.80	1.253	7.5E-3	0.008	0.512
47.60	0.81	1.30	0.62	0.41	8.50	23.99	77.81	1.253	7.5E-3	0.008	0.520
47.55	0.81	1.30	0.62	0.41	8.50	24.00	77.83	1.252	7.5E-3	0.008	0.527
47.50	0.81	1.30	0.62	0.41	8.50	24.01	77.84	1.252	7.5E-3	0.008	0.535
47.45	0.81	1.30	0.62	0.41	8.50	24.02	77.86	1.251	7.5E-3	0.008	0.542
47.40	0.81	1.30	0.62	0.41	8.50	24.03	77.87	1.250	7.5E-3	0.008	0.550
47.35	0.81	1.30	0.63	0.41	8.50	24.03	77.89	1.250	7.5E-3	0.007	0.557
47.30	0.81	1.30	0.63	0.41	8.50	24.04	77.91	1.249	7.5E-3	0.007	0.565
47.25	0.81	1.30	0.63	0.41	8.50	24.05	77.92	1.249	7.5E-3	0.007	0.572
47.20	0.81	1.30	0.63	0.41	8.50	24.06	77.94	1.248	7.5E-3	0.007	0.580
47.15	0.81	1.30	0.63	0.41	8.50	24.07	77.95	1.248	7.5E-3	0.007	0.587
47.10	0.81	1.30	0.63	0.41	8.50	24.07	77.97	1.247	7.5E-3	0.007	0.595
47.05	0.81	1.30	0.63	0.41	8.50	24.08	77.98	1.247	7.5E-3	0.007	0.602
47.00	0.82	1.30	0.63	0.41	8.50	24.09	78.00	1.246	7.5E-3	0.007	0.610
46.95	0.82	1.30	0.63	0.41	8.50	24.10	78.01	1.246	7.5E-3	0.007	0.617
46.90	0.82	1.30	0.63	0.41	8.50	24.11	78.03	1.245	7.5E-3	0.007	0.624
46.85	0.82	1.30	0.63	0.41	8.50	24.12	78.04	1.245	7.5E-3	0.007	0.632
46.80	0.82	1.30	0.63	0.41	8.50	24.12	78.06	1.244	7.5E-3	0.007	0.639
46.75	0.82	1.30	0.63	0.41	8.50	24.13	78.07	1.244	7.5E-3	0.007	0.647
46.70	0.82	1.30	0.63	0.41	8.50	24.14	78.09	1.243	7.5E-3	0.007	0.654
46.65	0.82	1.30	0.63	0.41	8.50	24.15	78.11	1.243	7.5E-3	0.007	0.662
46.60	0.82	1.30	0.63	0.41	8.50	24.16	78.12	1.242	7.5E-3	0.007	0.669
46.55	0.82	1.30	0.63	0.41	8.50	24.17	78.14	1.242	7.5E-3	0.007	0.677
46.50	0.82	1.30	0.63	0.41	8.50	24.17	78.15	1.241	7.4E-3	0.007	0.684

46.45	0.82	1.30	0.63	0.41	8.50	24.18	78.17	1.241	7.4E-3	0.007	0.692
46.40	0.82	1.30	0.63	0.41	8.50	24.19	78.18	1.240	7.4E-3	0.007	0.699
46.35	0.82	1.30	0.63	0.41	8.50	24.20	78.20	1.240	7.4E-3	0.007	0.706
46.30	0.82	1.30	0.63	0.41	8.50	24.21	78.21	1.239	7.4E-3	0.007	0.714
46.25	0.82	1.30	0.63	0.41	8.50	24.21	78.23	1.239	7.4E-3	0.007	0.721
46.20	0.82	1.30	0.63	0.41	8.50	24.22	78.24	1.238	7.4E-3	0.007	0.729
46.15	0.82	1.30	0.63	0.41	8.50	24.23	78.26	1.238	7.4E-3	0.007	0.736
46.10	0.82	1.30	0.63	0.41	8.50	24.24	78.28	1.237	7.4E-3	0.007	0.744
46.05	0.82	1.30	0.63	0.41	8.50	24.25	78.29	1.237	7.4E-3	0.007	0.751
46.00	0.82	1.30	0.63	0.41	8.50	24.26	78.31	1.236	7.4E-3	0.007	0.758
45.95	0.82	1.30	0.63	0.41	8.50	24.26	78.32	1.236	7.4E-3	0.007	0.766
45.90	0.82	1.30	0.63	0.41	8.50	24.27	78.34	1.235	7.4E-3	0.007	0.773
45.85	0.82	1.30	0.63	0.41	8.50	24.28	78.35	1.235	7.4E-3	0.007	0.781
45.80	0.83	1.30	0.64	0.41	8.50	24.29	78.37	1.234	7.4E-3	0.007	0.788
45.75	0.83	1.30	0.64	0.41	8.50	24.30	78.38	1.234	7.4E-3	0.007	0.795
45.70	0.83	1.30	0.64	0.41	8.50	24.30	78.40	1.233	7.4E-3	0.007	0.803
45.65	0.83	1.30	0.64	0.41	8.50	24.31	78.41	1.233	7.4E-3	0.007	0.810
45.60	0.83	1.30	0.64	0.41	8.50	24.32	78.43	1.232	7.4E-3	0.007	0.818
45.55	0.83	1.30	0.64	0.41	8.50	24.33	78.44	1.232	7.4E-3	0.007	0.825
45.50	0.83	1.30	0.64	0.41	8.50	24.34	78.46	1.231	7.4E-3	0.007	0.832
45.45	0.83	1.30	0.64	0.41	8.50	24.35	78.47	1.230	7.4E-3	0.007	0.840
45.40	0.83	1.30	0.64	0.41	8.50	24.35	78.49	1.230	7.4E-3	0.007	0.847
45.35	0.83	1.30	0.64	0.41	8.50	24.36	78.51	1.229	7.4E-3	0.007	0.855
45.30	0.83	1.30	0.64	0.41	8.50	24.37	78.52	1.229	7.4E-3	0.007	0.862
45.25	0.83	1.30	0.64	0.41	8.50	24.38	78.54	1.228	7.4E-3	0.007	0.869
45.20	0.83	1.30	0.64	0.41	8.50	24.39	78.55	1.228	7.4E-3	0.007	0.877
45.15	0.83	1.30	0.64	0.41	8.50	24.39	78.57	1.227	7.4E-3	0.007	0.884
45.10	0.83	1.30	0.64	0.41	8.50	24.40	78.58	1.227	7.4E-3	0.007	0.891
45.05	0.83	1.30	0.64	0.41	8.50	24.41	78.60	1.226	7.4E-3	0.007	0.899
45.00	0.83	1.30	0.64	0.41	8.51	24.42	78.62	1.226	7.4E-3	0.007	0.906
44.95	0.83	1.30	0.64	0.42	9.43	24.66	79.08	1.211	7.3E-3	0.007	0.913
44.90	0.83	1.30	0.64	0.42	10.36	24.95	79.62	1.193	7.2E-3	0.007	0.921
44.85	0.83	1.30	0.64	0.43	11.28	25.25	80.20	1.174	7.0E-3	0.007	0.928
44.80	0.83	1.30	0.64	0.44	12.21	25.56	80.80	1.155	6.9E-3	0.007	0.934
44.75	0.83	1.30	0.64	0.45	13.13	25.86	81.38	1.136	6.8E-3	0.007	0.941
44.70	0.83	1.30	0.64	0.45	14.06	26.15	81.94	1.118	6.7E-3	0.007	0.948
44.65	0.83	1.30	0.64	0.46	14.98	26.41	82.48	1.101	6.6E-3	0.007	0.955
44.60	0.83	1.30	0.64	0.47	15.91	26.67	82.98	1.086	6.5E-3	0.007	0.961
44.55	0.84	1.30	0.64	0.48	16.83	26.90	83.44	1.071	6.4E-3	0.006	0.968
44.50	0.84	1.30	0.64	0.48	17.76	27.11	83.88	1.058	6.3E-3	0.006	0.974
44.45	0.84	1.30	0.64	0.49	18.68	27.31	84.28	1.045	6.3E-3	0.006	0.980
44.40	0.84	1.30	0.64	0.49	19.61	27.49	84.65	1.034	6.2E-3	0.006	0.986
44.35	0.84	1.30	0.64	0.50	20.53	27.66	85.00	1.023	6.1E-3	0.006	0.993
44.30	0.84	1.30	0.64	0.51	21.46	27.81	85.32	1.014	6.1E-3	0.006	0.999
44.25	0.84	1.30	0.64	0.51	22.38	27.96	85.62	1.005	6.0E-3	0.006	1.005
44.20	0.84	1.30	0.64	0.52	23.31	28.09	85.90	0.993	6.0E-3	0.006	1.011
44.15	0.84	1.30	0.65	0.52	24.23	28.22	86.16	0.977	5.9E-3	0.006	1.016
44.10	0.84	1.30	0.65	0.53	25.16	28.33	86.41	0.962	5.8E-3	0.006	1.022
44.05	0.84	1.30	0.65	0.53	26.08	28.44	86.64	0.948	5.7E-3	0.006	1.028
44.00	0.84	1.30	0.65	0.54	27.01	28.54	86.86	0.935	5.6E-3	0.006	1.034
43.95	0.84	1.30	0.65	0.54	27.93	28.64	87.07	0.923	5.5E-3	0.006	1.039
43.90	0.84	1.30	0.65	0.54	28.86	28.73	87.26	0.911	5.5E-3	0.005	1.045
43.85	0.84	1.30	0.65	0.55	29.78	28.82	87.45	0.900	5.4E-3	0.005	1.050
43.80	0.84	1.30	0.65	0.55	30.71	28.90	87.62	0.890	5.3E-3	0.005	1.055
43.75	0.84	1.30	0.65	0.56	31.63	28.98	87.79	0.880	5.3E-3	0.005	1.061
43.70	0.84	1.30	0.65	0.56	32.56	29.05	87.95	0.871	5.2E-3	0.005	1.066
43.65	0.84	1.30	0.65	0.57	33.48	29.12	88.10	0.862	5.2E-3	0.005	1.071
43.60	0.84	1.30	0.65	0.57	34.41	29.19	88.25	0.853	5.1E-3	0.005	1.076
43.55	0.84	1.30	0.65	0.58	35.33	29.26	88.41	0.844	5.1E-3	0.005	1.081
43.50	0.84	1.30	0.65	0.57	36.26	29.12	88.10	0.862	5.2E-3	0.005	1.086
43.45	0.84	1.30	0.65	0.56	37.18	28.97	87.78	0.880	5.3E-3	0.005	1.092
43.40	0.84	1.30	0.65	0.55	38.11	28.83	87.47	0.899	5.4E-3	0.005	1.097
43.35	0.84	1.30	0.65	0.54	39.03	28.69	87.16	0.917	5.5E-3	0.006	1.102
43.30	0.84	1.30	0.65	0.53	39.96	28.54	86.86	0.935	5.6E-3	0.006	1.108
43.25	0.85	1.30	0.65	0.53	40.88	28.40	86.55	0.954	5.7E-3	0.006	1.114
43.20	0.85	1.30	0.65	0.52	41.81	28.25	86.25	0.972	5.8E-3	0.006	1.120
43.15	0.85	1.30	0.65	0.51	42.73	28.11	85.94	0.990	5.9E-3	0.006	1.126
43.10	0.85	1.30	0.65	0.51	43.66	27.97	85.64	1.004	6.0E-3	0.006	1.132
43.05	0.85	1.30	0.65	0.50	44.58	27.82	85.34	1.013	6.1E-3	0.006	1.138
43.00	0.85	1.30	0.65	0.50	45.51	27.68	85.04	1.022	6.1E-3	0.006	1.144
42.95	0.85	1.30	0.65	0.49	46.43	27.53	84.74	1.031	6.2E-3	0.006	1.150
42.90	0.85	1.30	0.65	0.49	47.36	27.39	84.44	1.040	6.2E-3	0.006	1.156
42.85	0.85	1.30	0.65	0.48	48.28	27.24	84.15	1.049	6.3E-3	0.006	1.163

42.80	0.85	1.30	0.65	0.48	49.21	27.10	83.85	1.058	6.4E-3	0.006	1.169
42.75	0.85	1.30	0.65	0.47	50.13	26.95	83.56	1.067	6.4E-3	0.006	1.175
42.70	0.85	1.30	0.65	0.47	51.06	26.81	83.27	1.077	6.5E-3	0.006	1.182
42.65	0.85	1.30	0.65	0.46	51.98	26.66	82.97	1.086	6.5E-3	0.007	1.188
42.60	0.85	1.30	0.65	0.46	52.91	26.52	82.68	1.095	6.6E-3	0.007	1.195
42.55	0.85	1.30	0.65	0.45	53.83	26.37	82.39	1.104	6.6E-3	0.007	1.201
42.50	0.85	1.30	0.66	0.45	54.76	26.23	82.11	1.113	6.7E-3	0.007	1.208
42.45	0.85	1.30	0.66	0.45	55.68	26.08	81.82	1.122	6.7E-3	0.007	1.215
42.40	0.85	1.30	0.66	0.44	56.61	25.94	81.53	1.131	6.8E-3	0.007	1.222
42.35	0.85	1.30	0.66	0.44	57.53	25.79	81.25	1.140	6.8E-3	0.007	1.228
42.30	0.85	1.30	0.66	0.43	58.46	25.65	80.96	1.149	6.9E-3	0.007	1.235
42.25	0.85	1.30	0.66	0.43	59.38	25.50	80.68	1.158	7.0E-3	0.007	1.242
42.20	0.85	1.30	0.66	0.43	60.31	25.35	80.40	1.167	7.0E-3	0.007	1.249
42.15	0.85	1.30	0.66	0.42	61.23	25.21	80.12	1.177	7.1E-3	0.007	1.256
42.10	0.85	1.30	0.66	0.42	62.16	25.06	79.84	1.186	7.1E-3	0.007	1.264
42.05	0.85	1.30	0.66	0.41	63.08	24.92	79.56	1.195	7.2E-3	0.007	1.271
42.00	0.85	1.30	0.66	0.41	64.01	24.77	79.28	1.204	7.2E-3	0.007	1.278
41.95	0.86	1.30	0.66	0.41	64.93	24.62	79.00	1.213	7.3E-3	0.007	1.285
41.90	0.86	1.30	0.66	0.40	65.86	24.48	78.72	1.222	7.3E-3	0.007	1.293
41.85	0.86	1.30	0.66	0.40	66.78	24.33	78.45	1.231	7.4E-3	0.007	1.300
41.80	0.86	1.30	0.66	0.40	67.71	24.18	78.17	1.241	7.4E-3	0.007	1.307
41.75	0.86	1.30	0.66	0.39	68.63	24.04	77.89	1.250	7.5E-3	0.007	1.315
41.70	0.86	1.30	0.66	0.39	69.56	23.89	77.62	1.259	7.6E-3	0.008	1.322
41.65	0.86	1.30	0.66	0.39	70.48	23.74	77.34	1.268	7.6E-3	0.008	1.330
41.60	0.86	1.30	0.66	0.38	71.41	23.59	77.07	1.277	7.7E-3	0.008	1.338
41.55	0.86	1.30	0.66	0.38	72.33	23.45	76.80	1.287	7.7E-3	0.008	1.345
41.50	0.86	1.30	0.66	0.38	73.26	23.30	76.53	1.296	7.8E-3	0.008	1.353
41.45	0.86	1.30	0.66	0.37	74.18	23.15	76.25	1.305	7.8E-3	0.008	1.361
41.40	0.86	1.30	0.66	0.37	75.11	23.00	75.98	1.314	7.9E-3	0.008	1.369
41.35	0.86	1.30	0.66	0.37	76.03	22.86	75.71	1.323	7.9E-3	0.008	1.377
41.30	0.86	1.30	0.66	0.37	76.96	22.71	75.44	1.333	8.0E-3	0.008	1.385
41.25	0.86	1.30	0.66	0.36	77.88	22.56	75.17	1.342	8.1E-3	0.008	1.393
41.20	0.86	1.30	0.66	0.36	78.81	22.41	74.90	1.351	8.1E-3	0.008	1.401
41.15	0.86	1.30	0.66	0.36	79.73	22.27	74.63	1.360	8.2E-3	0.008	1.409
41.10	0.86	1.30	0.66	0.35	80.66	22.12	74.36	1.370	8.2E-3	0.008	1.417
41.05	0.86	1.30	0.66	0.35	81.58	21.97	74.09	1.379	8.3E-3	0.008	1.426
41.00	0.86	1.30	0.66	0.35	82.51	21.82	73.82	1.388	8.3E-3	0.008	1.434
40.95	0.86	1.30	0.66	0.35	83.43	21.67	73.55	1.398	8.4E-3	0.008	1.442
40.90	0.86	1.30	0.66	0.34	84.36	21.52	73.28	1.407	8.4E-3	0.008	1.451
40.85	0.86	1.30	0.66	0.34	85.28	21.37	73.01	1.416	8.5E-3	0.008	1.459
40.80	0.86	1.30	0.67	0.34	86.21	21.23	72.75	1.425	8.6E-3	0.009	1.468
40.75	0.86	1.30	0.67	0.33	87.13	21.08	72.48	1.435	8.6E-3	0.009	1.476
40.70	0.87	1.30	0.67	0.33	88.06	20.93	72.21	1.444	8.7E-3	0.009	1.485
40.65	0.87	1.30	0.67	0.33	88.98	20.78	71.94	1.453	8.7E-3	0.009	1.494
40.60	0.87	1.30	0.67	0.33	89.91	20.63	71.67	1.463	8.8E-3	0.009	1.503
40.55	0.87	1.30	0.67	0.32	90.83	20.48	71.40	1.472	8.8E-3	0.009	1.511
40.50	0.87	1.30	0.67	0.32	91.76	20.33	71.13	1.481	8.9E-3	0.009	1.520
40.45	0.87	1.30	0.67	0.32	92.68	20.18	70.86	1.491	8.9E-3	0.009	1.529
40.40	0.87	1.30	0.67	0.32	93.61	20.03	70.59	1.500	9.0E-3	0.009	1.538
40.35	0.87	1.30	0.67	0.31	94.53	19.88	70.32	1.513	9.1E-3	0.009	1.547
40.30	0.87	1.30	0.67	0.31	95.46	19.73	70.05	1.525	9.2E-3	0.009	1.557
40.25	0.87	1.30	0.67	0.31	96.38	19.58	69.78	1.538	9.2E-3	0.009	1.566
40.20	0.87	1.30	0.67	0.31	97.31	19.43	69.51	1.550	9.3E-3	0.009	1.575
40.15	0.87	1.30	0.67	0.30	98.23	19.28	69.24	1.563	9.4E-3	0.009	1.584
40.10	0.87	1.30	0.67	0.30	99.16	19.13	68.97	1.575	9.5E-3	0.009	1.594
40.05	0.87	1.30	0.67	0.30	NoLiq	18.98	68.70	1.588	0.0E0	0.000	1.594
40.00	0.87	1.30	0.67	5.00	NoLiq	18.83	68.43	1.600	0.0E0	0.000	1.594
39.95	0.87	1.30	0.67	5.00	NoLiq	18.84	68.44	1.600	0.0E0	0.000	1.594
39.90	0.87	1.30	0.67	5.00	NoLiq	18.84	68.45	1.600	0.0E0	0.000	1.594
39.85	0.87	1.30	0.67	5.00	NoLiq	18.85	68.46	1.599	0.0E0	0.000	1.594
39.80	0.87	1.30	0.67	5.00	NoLiq	18.85	68.47	1.599	0.0E0	0.000	1.594
39.75	0.87	1.30	0.67	5.00	NoLiq	18.86	68.47	1.598	0.0E0	0.000	1.594
39.70	0.87	1.30	0.67	5.00	NoLiq	18.86	68.48	1.598	0.0E0	0.000	1.594
39.65	0.87	1.30	0.67	5.00	NoLiq	18.87	68.49	1.598	0.0E0	0.000	1.594
39.60	0.87	1.30	0.67	5.00	NoLiq	18.87	68.50	1.597	0.0E0	0.000	1.594
39.55	0.87	1.30	0.67	5.00	NoLiq	18.88	68.51	1.597	0.0E0	0.000	1.594
39.50	0.87	1.30	0.67	5.00	NoLiq	18.88	68.52	1.596	0.0E0	0.000	1.594
39.45	0.87	1.30	0.67	5.00	NoLiq	18.89	68.53	1.596	0.0E0	0.000	1.594
39.40	0.88	1.30	0.67	5.00	NoLiq	18.89	68.54	1.595	0.0E0	0.000	1.594
39.35	0.88	1.30	0.67	5.00	NoLiq	18.90	68.55	1.595	0.0E0	0.000	1.594
39.30	0.88	1.30	0.67	5.00	NoLiq	18.90	68.56	1.595	0.0E0	0.000	1.594
39.25	0.88	1.30	0.67	5.00	NoLiq	18.91	68.57	1.594	0.0E0	0.000	1.594
39.20	0.88	1.30	0.67	5.00	NoLiq	18.91	68.58	1.594	0.0E0	0.000	1.594

39.15	0.88	1.30	0.68	5.00	NoLiq	18.92	68.58	1.593	0.0E0	0.000	1.594
39.10	0.88	1.30	0.68	5.00	NoLiq	18.92	68.59	1.593	0.0E0	0.000	1.594
39.05	0.88	1.30	0.68	5.00	NoLiq	18.93	68.60	1.592	0.0E0	0.000	1.594
39.00	0.88	1.30	0.68	5.00	NoLiq	18.93	68.61	1.592	0.0E0	0.000	1.594
38.95	0.88	1.30	0.68	5.00	NoLiq	18.94	68.62	1.592	0.0E0	0.000	1.594
38.90	0.88	1.30	0.68	5.00	NoLiq	18.94	68.63	1.591	0.0E0	0.000	1.594
38.85	0.88	1.30	0.68	5.00	NoLiq	18.95	68.64	1.591	0.0E0	0.000	1.594
38.80	0.88	1.30	0.68	5.00	NoLiq	18.95	68.65	1.590	0.0E0	0.000	1.594
38.75	0.88	1.30	0.68	5.00	NoLiq	18.96	68.66	1.590	0.0E0	0.000	1.594
38.70	0.88	1.30	0.68	5.00	NoLiq	18.96	68.67	1.589	0.0E0	0.000	1.594
38.65	0.88	1.30	0.68	5.00	NoLiq	18.97	68.68	1.589	0.0E0	0.000	1.594
38.60	0.88	1.30	0.68	5.00	NoLiq	18.97	68.69	1.588	0.0E0	0.000	1.594
38.55	0.88	1.30	0.68	5.00	NoLiq	18.98	68.70	1.588	0.0E0	0.000	1.594
38.50	0.88	1.30	0.68	5.00	NoLiq	18.98	68.71	1.588	0.0E0	0.000	1.594
38.45	0.88	1.30	0.68	5.00	NoLiq	18.99	68.72	1.587	0.0E0	0.000	1.594
38.40	0.88	1.30	0.68	5.00	NoLiq	19.00	68.73	1.587	0.0E0	0.000	1.594
38.35	0.88	1.30	0.68	5.00	NoLiq	19.00	68.74	1.586	0.0E0	0.000	1.594
38.30	0.88	1.30	0.68	5.00	NoLiq	19.01	68.74	1.586	0.0E0	0.000	1.594
38.25	0.88	1.30	0.68	5.00	NoLiq	19.01	68.75	1.585	0.0E0	0.000	1.594
38.20	0.88	1.30	0.68	5.00	NoLiq	19.02	68.76	1.585	0.0E0	0.000	1.594
38.15	0.88	1.30	0.68	5.00	NoLiq	19.02	68.77	1.585	0.0E0	0.000	1.594
38.10	0.89	1.30	0.68	5.00	NoLiq	19.03	68.78	1.584	0.0E0	0.000	1.594
38.05	0.89	1.30	0.68	5.00	NoLiq	19.03	68.79	1.584	0.0E0	0.000	1.594
38.00	0.89	1.30	0.68	5.00	NoLiq	19.04	68.80	1.583	0.0E0	0.000	1.594
37.95	0.89	1.30	0.68	5.00	NoLiq	19.04	68.81	1.583	0.0E0	0.000	1.594
37.90	0.89	1.30	0.68	5.00	NoLiq	19.05	68.82	1.582	0.0E0	0.000	1.594
37.85	0.89	1.30	0.68	5.00	NoLiq	19.05	68.83	1.582	0.0E0	0.000	1.594
37.80	0.89	1.30	0.68	5.00	NoLiq	19.06	68.84	1.581	0.0E0	0.000	1.594
37.75	0.89	1.30	0.68	5.00	NoLiq	19.06	68.85	1.581	0.0E0	0.000	1.594
37.70	0.89	1.30	0.68	5.00	NoLiq	19.07	68.86	1.581	0.0E0	0.000	1.594
37.65	0.89	1.30	0.68	5.00	NoLiq	19.07	68.87	1.580	0.0E0	0.000	1.594
37.60	0.89	1.30	0.68	5.00	NoLiq	19.08	68.88	1.580	0.0E0	0.000	1.594
37.55	0.89	1.30	0.68	5.00	NoLiq	19.09	68.89	1.579	0.0E0	0.000	1.594
37.50	0.89	1.30	0.68	5.00	NoLiq	19.09	68.90	1.579	0.0E0	0.000	1.594
37.45	0.89	1.30	0.69	5.00	NoLiq	19.10	68.91	1.578	0.0E0	0.000	1.594
37.40	0.89	1.30	0.69	5.00	NoLiq	19.10	68.92	1.578	0.0E0	0.000	1.594
37.35	0.89	1.30	0.69	5.00	NoLiq	19.11	68.93	1.577	0.0E0	0.000	1.594
37.30	0.89	1.30	0.69	5.00	NoLiq	19.11	68.94	1.577	0.0E0	0.000	1.594
37.25	0.89	1.30	0.69	5.00	NoLiq	19.12	68.95	1.576	0.0E0	0.000	1.594
37.20	0.89	1.30	0.69	5.00	NoLiq	19.12	68.96	1.576	0.0E0	0.000	1.594
37.15	0.89	1.30	0.69	5.00	NoLiq	19.13	68.97	1.576	0.0E0	0.000	1.594
37.10	0.89	1.30	0.69	5.00	NoLiq	19.13	68.98	1.575	0.0E0	0.000	1.594
37.05	0.89	1.30	0.69	5.00	NoLiq	19.14	68.99	1.575	0.0E0	0.000	1.594
37.00	0.89	1.30	0.69	5.00	NoLiq	19.14	69.00	1.574	0.0E0	0.000	1.594
36.95	0.89	1.30	0.69	5.00	NoLiq	19.15	69.01	1.574	0.0E0	0.000	1.594
36.90	0.89	1.30	0.69	5.00	NoLiq	19.16	69.02	1.573	0.0E0	0.000	1.594
36.85	0.89	1.30	0.69	5.00	NoLiq	19.16	69.03	1.573	0.0E0	0.000	1.594
36.80	0.90	1.30	0.69	5.00	NoLiq	19.17	69.04	1.572	0.0E0	0.000	1.594
36.75	0.90	1.30	0.69	5.00	NoLiq	19.17	69.05	1.572	0.0E0	0.000	1.594
36.70	0.90	1.30	0.69	5.00	NoLiq	19.18	69.06	1.571	0.0E0	0.000	1.594
36.65	0.90	1.30	0.69	5.00	NoLiq	19.18	69.07	1.571	0.0E0	0.000	1.594
36.60	0.90	1.30	0.69	5.00	NoLiq	19.19	69.08	1.571	0.0E0	0.000	1.594
36.55	0.90	1.30	0.69	5.00	NoLiq	19.19	69.09	1.570	0.0E0	0.000	1.594
36.50	0.90	1.30	0.69	5.00	NoLiq	19.20	69.10	1.570	0.0E0	0.000	1.594
36.45	0.90	1.30	0.69	5.00	NoLiq	19.21	69.11	1.569	0.0E0	0.000	1.594
36.40	0.90	1.30	0.69	5.00	NoLiq	19.21	69.12	1.569	0.0E0	0.000	1.594
36.35	0.90	1.30	0.69	5.00	NoLiq	19.22	69.13	1.568	0.0E0	0.000	1.594
36.30	0.90	1.30	0.69	5.00	NoLiq	19.22	69.14	1.568	0.0E0	0.000	1.594
36.25	0.90	1.30	0.69	5.00	NoLiq	19.23	69.15	1.567	0.0E0	0.000	1.594
36.20	0.90	1.30	0.69	5.00	NoLiq	19.23	69.16	1.567	0.0E0	0.000	1.594
36.15	0.90	1.30	0.69	5.00	NoLiq	19.24	69.17	1.566	0.0E0	0.000	1.594
36.10	0.90	1.30	0.69	5.00	NoLiq	19.24	69.18	1.566	0.0E0	0.000	1.594
36.05	0.90	1.30	0.69	5.00	NoLiq	19.25	69.19	1.565	0.0E0	0.000	1.594
36.00	0.90	1.30	0.69	5.00	NoLiq	19.26	69.20	1.565	0.0E0	0.000	1.594
35.95	0.90	1.30	0.69	5.00	NoLiq	19.26	69.21	1.564	0.0E0	0.000	1.594
35.90	0.90	1.30	0.69	5.00	NoLiq	19.27	69.22	1.564	0.0E0	0.000	1.594
35.85	0.90	1.30	0.69	5.00	NoLiq	19.27	69.23	1.564	0.0E0	0.000	1.594
35.80	0.90	1.30	0.69	5.00	NoLiq	19.28	69.24	1.563	0.0E0	0.000	1.594
35.75	0.90	1.30	0.70	5.00	NoLiq	19.28	69.25	1.563	0.0E0	0.000	1.594
35.70	0.90	1.30	0.70	5.00	NoLiq	19.29	69.26	1.562	0.0E0	0.000	1.594
35.65	0.90	1.30	0.70	5.00	NoLiq	19.30	69.27	1.562	0.0E0	0.000	1.594
35.60	0.90	1.30	0.70	5.00	NoLiq	19.30	69.28	1.561	0.0E0	0.000	1.594
35.55	0.90	1.30	0.70	5.00	NoLiq	19.31	69.29	1.561	0.0E0	0.000	1.594

35.50	0.91	1.30	0.70	5.00	NoLiq	19.31	69.30	1.560	0.0E0	0.000	1.594
35.45	0.91	1.30	0.70	5.00	NoLiq	19.32	69.31	1.560	0.0E0	0.000	1.594
35.40	0.91	1.30	0.70	5.00	NoLiq	19.32	69.32	1.559	0.0E0	0.000	1.594
35.35	0.91	1.30	0.70	5.00	NoLiq	19.33	69.33	1.559	0.0E0	0.000	1.594
35.30	0.91	1.30	0.70	5.00	NoLiq	19.34	69.34	1.558	0.0E0	0.000	1.594
35.25	0.91	1.30	0.70	5.00	NoLiq	19.34	69.35	1.558	0.0E0	0.000	1.594
35.20	0.91	1.30	0.70	5.00	NoLiq	19.35	69.36	1.557	0.0E0	0.000	1.594
35.15	0.91	1.30	0.70	5.00	NoLiq	19.35	69.37	1.557	0.0E0	0.000	1.594
35.10	0.91	1.30	0.70	5.00	NoLiq	19.36	69.38	1.556	0.0E0	0.000	1.594
35.05	0.91	1.30	0.70	5.00	NoLiq	19.36	69.39	1.556	0.0E0	0.000	1.594
35.00	0.91	1.30	0.70	5.00	NoLiq	19.37	69.40	1.555	0.0E0	0.000	1.594
34.95	0.91	1.30	0.70	5.00	NoLiq	19.43	69.51	1.550	0.0E0	0.000	1.594
34.90	0.91	1.30	0.70	5.00	NoLiq	19.49	69.62	1.545	0.0E0	0.000	1.594
34.85	0.91	1.30	0.70	5.00	NoLiq	19.55	69.73	1.540	0.0E0	0.000	1.594
34.80	0.91	1.30	0.70	5.00	NoLiq	19.61	69.83	1.535	0.0E0	0.000	1.594
34.75	0.91	1.30	0.70	5.00	NoLiq	19.67	69.94	1.530	0.0E0	0.000	1.594
34.70	0.91	1.30	0.70	5.00	NoLiq	19.73	70.05	1.525	0.0E0	0.000	1.594
34.65	0.91	1.30	0.70	5.00	NoLiq	19.79	70.16	1.520	0.0E0	0.000	1.594
34.60	0.91	1.30	0.70	5.00	NoLiq	19.85	70.27	1.515	0.0E0	0.000	1.594
34.55	0.91	1.30	0.70	5.00	NoLiq	19.91	70.37	1.510	0.0E0	0.000	1.594
34.50	0.91	1.30	0.70	5.00	NoLiq	19.97	70.48	1.505	0.0E0	0.000	1.594
34.45	0.91	1.30	0.70	5.00	NoLiq	20.03	70.59	1.500	0.0E0	0.000	1.594
34.40	0.91	1.30	0.70	5.00	NoLiq	20.09	70.70	1.496	0.0E0	0.000	1.594
34.35	0.91	1.30	0.70	5.00	NoLiq	20.15	70.81	1.493	0.0E0	0.000	1.594
34.30	0.91	1.30	0.70	5.00	NoLiq	20.21	70.92	1.489	0.0E0	0.000	1.594
34.25	0.92	1.30	0.70	5.00	NoLiq	20.27	71.03	1.485	0.0E0	0.000	1.594
34.20	0.92	1.30	0.70	5.00	NoLiq	20.33	71.13	1.481	0.0E0	0.000	1.594
34.15	0.92	1.30	0.70	5.00	NoLiq	20.39	71.24	1.477	0.0E0	0.000	1.594
34.10	0.92	1.30	0.71	5.00	NoLiq	20.45	71.35	1.474	0.0E0	0.000	1.594
34.05	0.92	1.30	0.71	5.00	NoLiq	20.51	71.46	1.470	0.0E0	0.000	1.594
34.00	0.92	1.30	0.71	5.00	NoLiq	20.57	71.57	1.466	0.0E0	0.000	1.594
33.95	0.92	1.30	0.71	5.00	NoLiq	20.63	71.68	1.462	0.0E0	0.000	1.594
33.90	0.92	1.30	0.71	5.00	NoLiq	20.70	71.79	1.459	0.0E0	0.000	1.594
33.85	0.92	1.30	0.71	5.00	NoLiq	20.76	71.90	1.455	0.0E0	0.000	1.594
33.80	0.92	1.30	0.71	5.00	NoLiq	20.82	72.01	1.451	0.0E0	0.000	1.594
33.75	0.92	1.30	0.71	5.00	NoLiq	20.88	72.12	1.447	0.0E0	0.000	1.594
33.70	0.92	1.30	0.71	5.00	NoLiq	20.94	72.23	1.443	0.0E0	0.000	1.594
33.65	0.92	1.30	0.71	5.00	NoLiq	21.00	72.34	1.439	0.0E0	0.000	1.594
33.60	0.92	1.30	0.71	5.00	NoLiq	21.06	72.45	1.436	0.0E0	0.000	1.594
33.55	0.92	1.30	0.71	5.00	NoLiq	21.12	72.56	1.432	0.0E0	0.000	1.594
33.50	0.92	1.30	0.71	5.00	NoLiq	21.18	72.67	1.428	0.0E0	0.000	1.594
33.45	0.92	1.30	0.71	5.00	NoLiq	21.25	72.78	1.424	0.0E0	0.000	1.594
33.40	0.92	1.30	0.71	5.00	NoLiq	21.31	72.89	1.420	0.0E0	0.000	1.594
33.35	0.92	1.30	0.71	5.00	NoLiq	21.37	73.00	1.417	0.0E0	0.000	1.594
33.30	0.92	1.30	0.71	5.00	NoLiq	21.43	73.11	1.413	0.0E0	0.000	1.594
33.25	0.92	1.30	0.71	5.00	NoLiq	21.49	73.22	1.409	0.0E0	0.000	1.594
33.20	0.92	1.30	0.71	5.00	NoLiq	21.55	73.34	1.405	0.0E0	0.000	1.594
33.15	0.92	1.30	0.71	5.00	NoLiq	21.61	73.45	1.401	0.0E0	0.000	1.594
33.10	0.92	1.30	0.71	5.00	NoLiq	21.68	73.56	1.397	0.0E0	0.000	1.594
33.05	0.92	1.30	0.71	5.00	NoLiq	21.74	73.67	1.393	0.0E0	0.000	1.594
33.00	0.92	1.30	0.71	5.00	NoLiq	21.80	73.78	1.390	0.0E0	0.000	1.594
32.95	0.93	1.30	0.71	5.00	NoLiq	21.86	73.89	1.386	0.0E0	0.000	1.594
32.90	0.93	1.30	0.71	5.00	NoLiq	21.92	74.01	1.382	0.0E0	0.000	1.594
32.85	0.93	1.30	0.71	5.00	NoLiq	21.99	74.12	1.378	0.0E0	0.000	1.594
32.80	0.93	1.30	0.71	5.00	NoLiq	22.05	74.23	1.374	0.0E0	0.000	1.594
32.75	0.93	1.30	0.71	5.00	NoLiq	22.11	74.35	1.370	0.0E0	0.000	1.594
32.70	0.93	1.30	0.71	5.00	NoLiq	22.17	74.46	1.366	0.0E0	0.000	1.594
32.65	0.93	1.30	0.71	5.00	NoLiq	22.23	74.57	1.362	0.0E0	0.000	1.594
32.60	0.93	1.30	0.71	5.00	NoLiq	22.30	74.68	1.359	0.0E0	0.000	1.594
32.55	0.93	1.30	0.71	5.00	NoLiq	22.36	74.80	1.355	0.0E0	0.000	1.594
32.50	0.93	1.30	0.71	5.00	NoLiq	22.42	74.91	1.351	0.0E0	0.000	1.594
32.45	0.93	1.30	0.72	5.00	NoLiq	22.48	75.03	1.347	0.0E0	0.000	1.594
32.40	0.93	1.30	0.72	5.00	NoLiq	22.55	75.14	1.343	0.0E0	0.000	1.594
32.35	0.93	1.30	0.72	5.00	NoLiq	22.61	75.25	1.339	0.0E0	0.000	1.594
32.30	0.93	1.30	0.72	5.00	NoLiq	22.67	75.37	1.335	0.0E0	0.000	1.594
32.25	0.93	1.30	0.72	5.00	NoLiq	22.73	75.48	1.331	0.0E0	0.000	1.594
32.20	0.93	1.30	0.72	5.00	NoLiq	22.80	75.60	1.327	0.0E0	0.000	1.594
32.15	0.93	1.30	0.72	5.00	NoLiq	22.86	75.71	1.323	0.0E0	0.000	1.594
32.10	0.93	1.30	0.72	5.00	NoLiq	22.92	75.83	1.319	0.0E0	0.000	1.594
32.05	0.93	1.30	0.72	5.00	NoLiq	22.98	75.94	1.316	0.0E0	0.000	1.594
32.00	0.93	1.30	0.72	5.00	NoLiq	23.05	76.06	1.312	0.0E0	0.000	1.594
31.95	0.93	1.30	0.72	5.00	NoLiq	23.11	76.18	1.308	0.0E0	0.000	1.594
31.90	0.93	1.30	0.72	5.00	NoLiq	23.17	76.29	1.304	0.0E0	0.000	1.594

31.85	0.93	1.30	0.72	5.00	NoLiq	23.24	76.41	1.300	0.0E0	0.000	1.594
31.80	0.93	1.30	0.72	5.00	NoLiq	23.30	76.53	1.296	0.0E0	0.000	1.594
31.75	0.93	1.30	0.72	5.00	NoLiq	23.36	76.64	1.292	0.0E0	0.000	1.594
31.70	0.94	1.30	0.72	5.00	NoLiq	23.43	76.76	1.288	0.0E0	0.000	1.594
31.65	0.94	1.30	0.72	5.00	NoLiq	23.49	76.88	1.284	0.0E0	0.000	1.594
31.60	0.94	1.30	0.72	5.00	NoLiq	23.55	76.99	1.280	0.0E0	0.000	1.594
31.55	0.94	1.30	0.72	5.00	NoLiq	23.62	77.11	1.276	0.0E0	0.000	1.594
31.50	0.94	1.30	0.72	5.00	NoLiq	23.68	77.23	1.272	0.0E0	0.000	1.594
31.45	0.94	1.30	0.72	5.00	NoLiq	23.74	77.35	1.268	0.0E0	0.000	1.594
31.40	0.94	1.30	0.72	5.00	NoLiq	23.81	77.47	1.264	0.0E0	0.000	1.594
31.35	0.94	1.30	0.72	5.00	NoLiq	23.87	77.59	1.260	0.0E0	0.000	1.594
31.30	0.94	1.30	0.72	5.00	NoLiq	23.94	77.71	1.256	0.0E0	0.000	1.594
31.25	0.94	1.30	0.72	5.00	NoLiq	24.00	77.82	1.252	0.0E0	0.000	1.594
31.20	0.94	1.30	0.72	5.00	NoLiq	24.06	77.94	1.248	0.0E0	0.000	1.594
31.15	0.94	1.30	0.72	5.00	NoLiq	24.13	78.06	1.244	0.0E0	0.000	1.594
31.10	0.94	1.30	0.72	5.00	NoLiq	24.19	78.18	1.240	0.0E0	0.000	1.594
31.05	0.94	1.30	0.72	5.00	NoLiq	24.25	78.31	1.236	0.0E0	0.000	1.594
31.00	0.94	1.30	0.72	5.00	NoLiq	24.32	78.43	1.232	0.0E0	0.000	1.594
30.95	0.94	1.30	0.72	5.00	NoLiq	24.38	78.55	1.228	0.0E0	0.000	1.594
30.90	0.94	1.30	0.72	5.00	NoLiq	24.45	78.67	1.224	0.0E0	0.000	1.594
30.85	0.94	1.30	0.72	5.00	NoLiq	24.51	78.79	1.220	0.0E0	0.000	1.594
30.80	0.94	1.30	0.73	5.00	NoLiq	24.58	78.91	1.216	0.0E0	0.000	1.594
30.75	0.94	1.30	0.73	5.00	NoLiq	24.64	79.03	1.212	0.0E0	0.000	1.594
30.70	0.94	1.30	0.73	5.00	NoLiq	24.71	79.16	1.208	0.0E0	0.000	1.594
30.65	0.94	1.30	0.73	5.00	NoLiq	24.77	79.28	1.204	0.0E0	0.000	1.594
30.60	0.94	1.30	0.73	5.00	NoLiq	24.83	79.40	1.200	0.0E0	0.000	1.594
30.55	0.94	1.30	0.73	5.00	NoLiq	24.90	79.53	1.196	0.0E0	0.000	1.594
30.50	0.94	1.30	0.73	5.00	NoLiq	24.96	79.65	1.192	0.0E0	0.000	1.594
30.45	0.94	1.30	0.73	5.00	NoLiq	25.03	79.77	1.188	0.0E0	0.000	1.594
30.40	0.95	1.30	0.73	5.00	NoLiq	25.09	79.90	1.184	0.0E0	0.000	1.594
30.35	0.95	1.30	0.73	5.00	NoLiq	25.16	80.02	1.180	0.0E0	0.000	1.594
30.30	0.95	1.30	0.73	5.00	NoLiq	25.22	80.15	1.176	0.0E0	0.000	1.594
30.25	0.95	1.30	0.73	5.00	NoLiq	25.29	80.27	1.172	0.0E0	0.000	1.594
30.20	0.95	1.30	0.73	5.00	NoLiq	25.35	80.40	1.167	0.0E0	0.000	1.594
30.15	0.95	1.30	0.73	5.00	NoLiq	25.42	80.53	1.163	0.0E0	0.000	1.594
30.10	0.95	1.30	0.73	5.00	NoLiq	25.48	80.65	1.159	0.0E0	0.000	1.594
30.05	0.95	1.30	0.73	5.00	NoLiq	25.55	80.78	1.155	0.0E0	0.000	1.594
30.00	0.95	1.30	0.73	5.00	NoLiq	25.62	80.90	1.151	0.0E0	0.000	1.594
29.95	0.95	1.30	0.73	5.00	NoLiq	25.62	80.92	1.151	0.0E0	0.000	1.594
29.90	0.95	1.30	0.73	5.00	NoLiq	25.63	80.94	1.150	0.0E0	0.000	1.594
29.85	0.95	1.30	0.73	5.00	NoLiq	25.64	80.96	1.149	0.0E0	0.000	1.594
29.80	0.95	1.30	0.73	5.00	NoLiq	25.65	80.98	1.149	0.0E0	0.000	1.594
29.75	0.95	1.30	0.73	5.00	NoLiq	25.66	80.99	1.148	0.0E0	0.000	1.594
29.70	0.95	1.30	0.73	5.00	NoLiq	25.67	81.01	1.148	0.0E0	0.000	1.594
29.65	0.95	1.30	0.73	5.00	NoLiq	25.68	81.03	1.147	0.0E0	0.000	1.594
29.60	0.95	1.30	0.73	5.00	NoLiq	25.69	81.05	1.146	0.0E0	0.000	1.594
29.55	0.95	1.30	0.73	5.00	NoLiq	25.70	81.07	1.146	0.0E0	0.000	1.594
29.50	0.95	1.30	0.73	5.00	NoLiq	25.71	81.09	1.145	0.0E0	0.000	1.594
29.45	0.95	1.30	0.73	5.00	NoLiq	25.72	81.10	1.145	0.0E0	0.000	1.594
29.40	0.95	1.30	0.73	5.00	NoLiq	25.73	81.12	1.144	0.0E0	0.000	1.594
29.35	0.95	1.30	0.73	5.00	NoLiq	25.74	81.14	1.144	0.0E0	0.000	1.594
29.30	0.95	1.30	0.73	5.00	NoLiq	25.75	81.16	1.143	0.0E0	0.000	1.594
29.25	0.95	1.30	0.73	5.00	NoLiq	25.75	81.18	1.142	0.0E0	0.000	1.594
29.20	0.95	1.30	0.73	5.00	NoLiq	25.76	81.20	1.142	0.0E0	0.000	1.594
29.15	0.95	1.30	0.73	5.00	NoLiq	25.77	81.21	1.141	0.0E0	0.000	1.594
29.10	0.95	1.30	0.73	5.00	NoLiq	25.78	81.23	1.141	0.0E0	0.000	1.594
29.05	0.95	1.30	0.73	5.00	NoLiq	25.79	81.25	1.140	0.0E0	0.000	1.594
29.00	0.95	1.30	0.73	5.00	NoLiq	25.80	81.27	1.139	0.0E0	0.000	1.594
28.95	0.95	1.30	0.73	5.00	NoLiq	25.81	81.29	1.139	0.0E0	0.000	1.594
28.90	0.95	1.30	0.73	5.00	NoLiq	25.82	81.31	1.138	0.0E0	0.000	1.594
28.85	0.95	1.30	0.73	5.00	NoLiq	25.83	81.32	1.138	0.0E0	0.000	1.594
28.80	0.95	1.30	0.73	5.00	NoLiq	25.84	81.34	1.137	0.0E0	0.000	1.594
28.75	0.95	1.30	0.73	5.00	NoLiq	25.85	81.36	1.137	0.0E0	0.000	1.594
28.70	0.95	1.30	0.73	5.00	NoLiq	25.86	81.38	1.136	0.0E0	0.000	1.594
28.65	0.95	1.30	0.73	5.00	NoLiq	25.87	81.40	1.135	0.0E0	0.000	1.594
28.60	0.95	1.30	0.73	5.00	NoLiq	25.88	81.42	1.135	0.0E0	0.000	1.594
28.55	0.95	1.30	0.73	5.00	NoLiq	25.89	81.44	1.134	0.0E0	0.000	1.594
28.50	0.95	1.30	0.73	5.00	NoLiq	25.90	81.45	1.134	0.0E0	0.000	1.594
28.45	0.95	1.30	0.73	5.00	NoLiq	25.91	81.47	1.133	0.0E0	0.000	1.594
28.40	0.95	1.30	0.73	5.00	NoLiq	25.92	81.49	1.132	0.0E0	0.000	1.594
28.35	0.95	1.30	0.73	5.00	NoLiq	25.93	81.51	1.132	0.0E0	0.000	1.594
28.30	0.95	1.30	0.73	5.00	NoLiq	25.94	81.53	1.131	0.0E0	0.000	1.594
28.25	0.95	1.30	0.73	5.00	NoLiq	25.94	81.55	1.131	0.0E0	0.000	1.594

28.20	0.95	1.30	0.73	5.00	NoLiq	25.95	81.57	1.130	0.0E0	0.000	1.594
28.15	0.95	1.30	0.73	5.00	NoLiq	25.96	81.59	1.129	0.0E0	0.000	1.594
28.10	0.95	1.30	0.73	5.00	NoLiq	25.97	81.60	1.129	0.0E0	0.000	1.594
28.05	0.95	1.30	0.73	5.00	NoLiq	25.98	81.62	1.128	0.0E0	0.000	1.594
28.00	0.95	1.30	0.73	5.00	NoLiq	25.99	81.64	1.128	0.0E0	0.000	1.594
27.95	0.95	1.30	0.73	5.00	NoLiq	26.00	81.66	1.127	0.0E0	0.000	1.594
27.90	0.95	1.30	0.73	5.00	NoLiq	26.01	81.68	1.126	0.0E0	0.000	1.594
27.85	0.95	1.30	0.73	5.00	NoLiq	24.97	79.66	1.191	0.0E0	0.000	1.594
27.80	0.95	1.30	0.73	5.00	NoLiq	24.98	79.68	1.191	0.0E0	0.000	1.594
27.75	0.95	1.30	0.73	5.00	NoLiq	24.99	79.70	1.190	0.0E0	0.000	1.594
27.70	0.95	1.30	0.73	5.00	NoLiq	25.00	79.72	1.190	0.0E0	0.000	1.594
27.65	0.95	1.30	0.73	5.00	NoLiq	25.01	79.73	1.189	0.0E0	0.000	1.594
27.60	0.95	1.30	0.73	5.00	NoLiq	25.02	79.75	1.189	0.0E0	0.000	1.594
27.55	0.95	1.30	0.73	5.00	NoLiq	25.03	79.77	1.188	0.0E0	0.000	1.594
27.50	0.95	1.30	0.73	5.00	NoLiq	25.04	79.79	1.187	0.0E0	0.000	1.594
27.45	0.95	1.30	0.73	5.00	NoLiq	25.04	79.80	1.187	0.0E0	0.000	1.594
27.40	0.95	1.30	0.73	5.00	NoLiq	25.05	79.82	1.186	0.0E0	0.000	1.594
27.35	0.95	1.30	0.73	5.00	NoLiq	25.06	79.84	1.186	0.0E0	0.000	1.594
27.30	0.95	1.30	0.73	5.00	NoLiq	25.07	79.86	1.185	0.0E0	0.000	1.594
27.25	0.95	1.30	0.73	5.00	NoLiq	25.08	79.88	1.184	0.0E0	0.000	1.594
27.20	0.95	1.30	0.73	5.00	NoLiq	25.09	79.89	1.184	0.0E0	0.000	1.594
27.15	0.95	1.30	0.73	5.00	NoLiq	25.10	79.91	1.183	0.0E0	0.000	1.594
27.10	0.95	1.30	0.73	5.00	NoLiq	25.11	79.93	1.183	0.0E0	0.000	1.594
27.05	0.95	1.30	0.73	5.00	NoLiq	25.12	79.95	1.182	0.0E0	0.000	1.594
27.00	0.95	1.30	0.73	5.00	NoLiq	25.13	79.96	1.182	0.0E0	0.000	1.594
26.95	0.95	1.30	0.73	5.00	NoLiq	25.14	79.98	1.181	0.0E0	0.000	1.594
26.90	0.95	1.30	0.73	5.00	NoLiq	25.15	80.00	1.180	0.0E0	0.000	1.594
26.85	0.95	1.30	0.73	5.00	NoLiq	25.16	80.02	1.180	0.0E0	0.000	1.594
26.80	0.95	1.30	0.73	5.00	NoLiq	25.17	80.04	1.179	0.0E0	0.000	1.594
26.75	0.95	1.30	0.73	5.00	NoLiq	25.18	80.05	1.179	0.0E0	0.000	1.594
26.70	0.95	1.30	0.73	5.00	NoLiq	25.18	80.07	1.178	0.0E0	0.000	1.594
26.65	0.95	1.30	0.73	5.00	NoLiq	25.19	80.09	1.177	0.0E0	0.000	1.594
26.60	0.95	1.30	0.73	5.00	NoLiq	25.20	80.11	1.177	0.0E0	0.000	1.594
26.55	0.96	1.30	0.74	5.00	NoLiq	25.21	80.13	1.176	0.0E0	0.000	1.594
26.50	0.96	1.30	0.74	5.00	NoLiq	25.22	80.15	1.176	0.0E0	0.000	1.594
26.45	0.96	1.30	0.74	5.00	NoLiq	25.23	80.16	1.175	0.0E0	0.000	1.594
26.40	0.96	1.30	0.74	5.00	NoLiq	25.24	80.18	1.174	0.0E0	0.000	1.594
26.35	0.96	1.30	0.74	5.00	NoLiq	25.25	80.20	1.174	0.0E0	0.000	1.594
26.30	0.96	1.30	0.74	5.00	NoLiq	25.26	80.22	1.173	0.0E0	0.000	1.594
26.25	0.96	1.30	0.74	5.00	NoLiq	25.27	80.24	1.173	0.0E0	0.000	1.594
26.20	0.96	1.30	0.74	5.00	NoLiq	25.28	80.26	1.172	0.0E0	0.000	1.594
26.15	0.96	1.30	0.74	5.00	NoLiq	25.29	80.27	1.172	0.0E0	0.000	1.594
26.10	0.96	1.30	0.74	5.00	NoLiq	25.30	80.29	1.171	0.0E0	0.000	1.594
26.05	0.96	1.30	0.74	5.00	NoLiq	25.31	80.31	1.170	0.0E0	0.000	1.594
26.00	0.96	1.30	0.74	5.00	NoLiq	25.32	80.33	1.170	0.0E0	0.000	1.594
25.95	0.96	1.30	0.74	5.00	NoLiq	25.33	80.35	1.169	0.0E0	0.000	1.594
25.90	0.96	1.30	0.74	5.00	NoLiq	25.34	80.37	1.169	0.0E0	0.000	1.594
25.85	0.96	1.30	0.74	5.00	NoLiq	25.35	80.38	1.168	0.0E0	0.000	1.594
25.80	0.96	1.30	0.74	5.00	NoLiq	25.36	80.40	1.167	0.0E0	0.000	1.594
25.75	0.96	1.30	0.74	5.00	NoLiq	25.37	80.42	1.167	0.0E0	0.000	1.594
25.70	0.96	1.30	0.74	5.00	NoLiq	25.38	80.44	1.166	0.0E0	0.000	1.594
25.65	0.96	1.30	0.74	5.00	NoLiq	25.39	80.46	1.165	0.0E0	0.000	1.594
25.60	0.96	1.30	0.74	5.00	NoLiq	25.40	80.48	1.165	0.0E0	0.000	1.594
25.55	0.96	1.30	0.74	5.00	NoLiq	25.40	80.50	1.164	0.0E0	0.000	1.594
25.50	0.96	1.30	0.74	5.00	NoLiq	25.41	80.52	1.164	0.0E0	0.000	1.594
25.45	0.96	1.30	0.74	5.00	NoLiq	25.42	80.53	1.163	0.0E0	0.000	1.594
25.40	0.96	1.30	0.74	5.00	NoLiq	25.43	80.55	1.162	0.0E0	0.000	1.594
25.35	0.96	1.30	0.74	5.00	NoLiq	25.44	80.57	1.162	0.0E0	0.000	1.594
25.30	0.96	1.30	0.74	5.00	NoLiq	25.45	80.59	1.161	0.0E0	0.000	1.594
25.25	0.96	1.30	0.74	5.00	NoLiq	25.46	80.61	1.161	0.0E0	0.000	1.594
25.20	0.96	1.30	0.74	5.00	NoLiq	25.47	80.63	1.160	0.0E0	0.000	1.594
25.15	0.96	1.30	0.74	5.00	NoLiq	25.48	80.65	1.159	0.0E0	0.000	1.594
25.10	0.96	1.30	0.74	5.00	NoLiq	25.49	80.67	1.159	0.0E0	0.000	1.594
25.05	0.96	1.30	0.74	5.00	NoLiq	25.50	80.69	1.158	0.0E0	0.000	1.594
25.00	0.96	1.30	0.74	5.00	NoLiq	25.51	80.71	1.158	0.0E0	0.000	1.594
24.95	0.96	1.30	0.74	5.00	NoLiq	25.73	81.12	1.144	0.0E0	0.000	1.594
24.90	0.96	1.30	0.74	5.00	NoLiq	25.94	81.54	1.131	0.0E0	0.000	1.594
24.85	0.96	1.30	0.74	5.00	NoLiq	26.16	81.97	1.117	0.0E0	0.000	1.594
24.80	0.96	1.30	0.74	5.00	NoLiq	26.37	82.40	1.104	0.0E0	0.000	1.594
24.75	0.96	1.30	0.74	5.00	NoLiq	26.59	82.83	1.090	0.0E0	0.000	1.594
24.70	0.96	1.30	0.74	5.00	NoLiq	26.81	83.26	1.077	0.0E0	0.000	1.594
24.65	0.96	1.30	0.74	5.00	NoLiq	27.02	83.70	1.063	0.0E0	0.000	1.594
24.60	0.96	1.30	0.74	5.00	NoLiq	27.24	84.14	1.050	0.0E0	0.000	1.594

24.55	0.96	1.30	0.74	5.00	NoLiq	27.46	84.58	1.036	0.0E0	0.000	1.594
24.50	0.96	1.30	0.74	5.00	NoLiq	27.67	85.03	1.023	0.0E0	0.000	1.594
24.45	0.96	1.30	0.74	5.00	NoLiq	27.89	85.48	1.009	0.0E0	0.000	1.594
24.40	0.96	1.30	0.74	5.00	NoLiq	28.11	85.93	0.991	0.0E0	0.000	1.594
24.35	0.96	1.30	0.74	5.00	NoLiq	28.32	86.39	0.963	0.0E0	0.000	1.594
24.30	0.96	1.30	0.74	5.00	NoLiq	28.54	86.86	0.935	0.0E0	0.000	1.594
24.25	0.96	1.30	0.74	5.00	NoLiq	28.76	87.32	0.907	0.0E0	0.000	1.594
24.20	0.96	1.30	0.74	5.00	NoLiq	28.98	87.80	0.880	0.0E0	0.000	1.594
24.15	0.96	1.30	0.74	5.00	NoLiq	29.20	88.27	0.852	0.0E0	0.000	1.594
24.10	0.96	1.30	0.74	5.00	NoLiq	29.42	88.75	0.824	0.0E0	0.000	1.594
24.05	0.96	1.30	0.74	5.00	NoLiq	29.64	89.24	0.796	0.0E0	0.000	1.594
24.00	0.96	1.30	0.74	5.00	NoLiq	29.87	89.76	0.766	0.0E0	0.000	1.594
23.95	0.96	1.30	0.74	5.00	NoLiq	30.10	90.28	0.737	0.0E0	0.000	1.594
23.90	0.96	1.30	0.74	5.00	NoLiq	30.33	90.81	0.707	0.0E0	0.000	1.594
23.85	0.96	1.30	0.74	5.00	NoLiq	30.57	91.35	0.677	0.0E0	0.000	1.594
23.80	0.96	1.30	0.74	5.00	NoLiq	30.80	91.90	0.647	0.0E0	0.000	1.594
23.75	0.96	1.30	0.74	5.00	NoLiq	31.04	92.45	0.617	0.0E0	0.000	1.594
23.70	0.96	1.30	0.74	5.00	NoLiq	31.27	93.00	0.587	0.0E0	0.000	1.594
23.65	0.96	1.30	0.74	5.00	NoLiq	31.51	93.57	0.557	0.0E0	0.000	1.594
23.60	0.96	1.30	0.74	5.00	NoLiq	31.74	94.14	0.527	0.0E0	0.000	1.594
23.55	0.96	1.30	0.74	5.00	NoLiq	31.98	94.71	0.495	0.0E0	0.000	1.594
23.50	0.96	1.30	0.74	5.00	NoLiq	32.22	95.30	0.449	0.0E0	0.000	1.594
23.45	0.96	1.30	0.74	5.00	NoLiq	32.46	95.89	0.403	0.0E0	0.000	1.594
23.40	0.96	1.30	0.74	5.00	NoLiq	32.69	96.49	0.357	0.0E0	0.000	1.594
23.35	0.96	1.30	0.74	5.00	NoLiq	32.93	97.10	0.310	0.0E0	0.000	1.594
23.30	0.96	1.30	0.74	5.00	NoLiq	33.17	97.71	0.264	0.0E0	0.000	1.594
23.25	0.96	1.30	0.74	5.00	NoLiq	33.41	98.34	0.217	0.0E0	0.000	1.594
23.20	0.96	1.30	0.74	5.00	NoLiq	33.65	98.97	0.195	0.0E0	0.000	1.594
23.15	0.96	1.30	0.74	5.00	NoLiq	33.89	99.61	0.187	0.0E0	0.000	1.594
23.10	0.96	1.30	0.74	5.00	NoLiq	34.14	100.00	0.180	0.0E0	0.000	1.594
23.05	0.96	1.30	0.74	5.00	NoLiq	34.38	100.00	0.172	0.0E0	0.000	1.594
23.00	0.96	1.30	0.74	5.00	NoLiq	34.62	100.00	0.164	0.0E0	0.000	1.594
22.95	0.96	1.30	0.74	5.00	NoLiq	34.86	100.00	0.156	0.0E0	0.000	1.594
22.90	0.96	1.30	0.74	5.00	NoLiq	35.11	100.00	0.148	0.0E0	0.000	1.594
22.85	0.96	1.30	0.74	5.00	NoLiq	35.35	100.00	0.140	0.0E0	0.000	1.594
22.80	0.96	1.30	0.74	5.00	NoLiq	35.60	100.00	0.132	0.0E0	0.000	1.594
22.75	0.96	1.30	0.74	5.00	NoLiq	35.84	100.00	0.124	0.0E0	0.000	1.594
22.70	0.96	1.30	0.74	5.00	NoLiq	36.09	100.00	0.116	0.0E0	0.000	1.594
22.65	0.96	1.30	0.74	5.00	NoLiq	36.34	100.00	0.108	0.0E0	0.000	1.594
22.60	0.96	1.30	0.74	5.00	NoLiq	36.58	100.00	0.101	0.0E0	0.000	1.594
22.55	0.96	1.30	0.74	5.00	NoLiq	36.83	100.00	0.000	0.0E0	0.000	1.594
22.50	0.96	1.30	0.74	5.00	NoLiq	37.08	100.00	0.000	0.0E0	0.000	1.594
22.45	0.96	1.30	0.74	5.00	NoLiq	37.33	100.00	0.000	0.0E0	0.000	1.594
22.40	0.96	1.30	0.74	5.00	NoLiq	37.58	100.00	0.000	0.0E0	0.000	1.594
22.35	0.96	1.30	0.74	5.00	NoLiq	37.83	100.00	0.000	0.0E0	0.000	1.594
22.30	0.96	1.30	0.74	5.00	NoLiq	38.08	100.00	0.000	0.0E0	0.000	1.594
22.25	0.96	1.30	0.74	5.00	NoLiq	38.33	100.00	0.000	0.0E0	0.000	1.594
22.20	0.96	1.30	0.74	5.00	NoLiq	38.58	100.00	0.000	0.0E0	0.000	1.594
22.15	0.96	1.30	0.74	5.00	NoLiq	38.84	100.00	0.000	0.0E0	0.000	1.594
22.10	0.96	1.30	0.74	5.00	NoLiq	39.09	100.00	0.000	0.0E0	0.000	1.594
22.05	0.96	1.30	0.74	5.00	NoLiq	39.34	100.00	0.000	0.0E0	0.000	1.594
22.00	0.96	1.30	0.74	5.00	NoLiq	39.60	100.00	0.000	0.0E0	0.000	1.594
21.95	0.96	1.30	0.74	5.00	NoLiq	39.85	100.00	0.000	0.0E0	0.000	1.594
21.90	0.96	1.30	0.74	5.00	NoLiq	40.11	100.00	0.000	0.0E0	0.000	1.594
21.85	0.96	1.30	0.74	5.00	NoLiq	40.36	100.00	0.000	0.0E0	0.000	1.594
21.80	0.96	1.30	0.74	5.00	NoLiq	40.62	100.00	0.000	0.0E0	0.000	1.594
21.75	0.96	1.30	0.74	5.00	NoLiq	40.88	100.00	0.000	0.0E0	0.000	1.594
21.70	0.96	1.30	0.74	5.00	NoLiq	41.14	100.00	0.000	0.0E0	0.000	1.594
21.65	0.96	1.30	0.74	5.00	NoLiq	41.40	100.00	0.000	0.0E0	0.000	1.594
21.60	0.96	1.30	0.74	5.00	NoLiq	41.65	100.00	0.000	0.0E0	0.000	1.594
21.55	0.96	1.30	0.74	5.00	NoLiq	41.91	100.00	0.000	0.0E0	0.000	1.594
21.50	0.96	1.30	0.74	5.00	NoLiq	42.18	100.00	0.000	0.0E0	0.000	1.594
21.45	0.96	1.30	0.74	5.00	NoLiq	42.44	100.00	0.000	0.0E0	0.000	1.594
21.40	0.96	1.30	0.74	5.00	NoLiq	42.70	100.00	0.000	0.0E0	0.000	1.594
21.35	0.96	1.30	0.74	5.00	NoLiq	42.96	100.00	0.000	0.0E0	0.000	1.594
21.30	0.96	1.30	0.74	5.00	NoLiq	43.23	100.00	0.000	0.0E0	0.000	1.594
21.25	0.96	1.30	0.74	5.00	NoLiq	43.49	100.00	0.000	0.0E0	0.000	1.594
21.20	0.96	1.30	0.74	5.00	NoLiq	43.75	100.00	0.000	0.0E0	0.000	1.594
21.15	0.96	1.30	0.74	5.00	NoLiq	44.02	100.00	0.000	0.0E0	0.000	1.594
21.10	0.96	1.30	0.74	5.00	NoLiq	44.29	100.00	0.000	0.0E0	0.000	1.594
21.05	0.96	1.30	0.74	5.00	NoLiq	44.55	100.00	0.000	0.0E0	0.000	1.594
21.00	0.96	1.30	0.74	5.00	NoLiq	44.82	100.00	0.000	0.0E0	0.000	1.594
20.95	0.96	1.30	0.74	5.00	NoLiq	45.09	100.00	0.000	0.0E0	0.000	1.594

20.90	0.96	1.30	0.74	5.00	NoLiq	45.36	100.00	0.000	0.0E0	0.000	1.594
20.85	0.96	1.30	0.74	5.00	NoLiq	45.63	100.00	0.000	0.0E0	0.000	1.594
20.80	0.96	1.30	0.74	5.00	NoLiq	45.90	100.00	0.000	0.0E0	0.000	1.594
20.75	0.96	1.30	0.74	5.00	NoLiq	46.17	100.00	0.000	0.0E0	0.000	1.594
20.70	0.96	1.30	0.74	5.00	NoLiq	46.44	100.00	0.000	0.0E0	0.000	1.594
20.65	0.96	1.30	0.74	5.00	NoLiq	46.71	100.00	0.000	0.0E0	0.000	1.594
20.60	0.96	1.30	0.74	5.00	NoLiq	46.98	100.00	0.000	0.0E0	0.000	1.594
20.55	0.96	1.30	0.74	5.00	NoLiq	47.26	100.00	0.000	0.0E0	0.000	1.594
20.50	0.96	1.30	0.74	5.00	NoLiq	47.53	100.00	0.000	0.0E0	0.000	1.594
20.45	0.96	1.30	0.74	5.00	NoLiq	47.81	100.00	0.000	0.0E0	0.000	1.594
20.40	0.96	1.30	0.74	5.00	NoLiq	48.08	100.00	0.000	0.0E0	0.000	1.594
20.35	0.96	1.30	0.74	5.00	NoLiq	48.36	100.00	0.000	0.0E0	0.000	1.594
20.30	0.96	1.30	0.74	5.00	NoLiq	48.64	100.00	0.000	0.0E0	0.000	1.594
20.25	0.96	1.30	0.74	5.00	NoLiq	48.92	100.00	0.000	0.0E0	0.000	1.594
20.20	0.96	1.30	0.74	5.00	NoLiq	49.19	100.00	0.000	0.0E0	0.000	1.594
20.15	0.96	1.30	0.74	5.00	NoLiq	49.47	100.00	0.000	0.0E0	0.000	1.594
20.10	0.96	1.30	0.74	5.00	NoLiq	49.75	100.00	0.000	0.0E0	0.000	1.594
20.05	0.96	1.30	0.74	5.00	NoLiq	50.04	100.00	0.000	0.0E0	0.000	1.594
20.00	0.96	1.30	0.74	0.67	NoLiq	50.32	100.00	0.000	0.0E0	0.000	1.594
19.95	0.96	1.30	0.74	0.67	99.99	50.37	100.00	0.000	0.0E0	0.000	1.594
19.90	0.96	1.30	0.74	0.67	98.98	50.43	100.00	0.000	0.0E0	0.000	1.594
19.85	0.96	1.30	0.74	0.67	97.97	50.49	100.00	0.000	0.0E0	0.000	1.594
19.80	0.96	1.30	0.74	0.67	96.96	50.54	100.00	0.000	0.0E0	0.000	1.594
19.75	0.96	1.30	0.74	0.67	95.95	50.60	100.00	0.000	0.0E0	0.000	1.594
19.70	0.96	1.30	0.74	0.67	94.94	50.66	100.00	0.000	0.0E0	0.000	1.594
19.65	0.97	1.30	0.74	0.67	93.93	50.71	100.00	0.000	0.0E0	0.000	1.594
19.60	0.97	1.30	0.74	0.67	92.92	50.77	100.00	0.000	0.0E0	0.000	1.594
19.55	0.97	1.30	0.74	0.67	91.91	50.83	100.00	0.000	0.0E0	0.000	1.594
19.50	0.97	1.30	0.74	0.67	90.90	50.89	100.00	0.000	0.0E0	0.000	1.594
19.45	0.97	1.30	0.74	0.67	89.89	50.95	100.00	0.000	0.0E0	0.000	1.594
19.40	0.97	1.30	0.74	0.67	88.88	51.00	100.00	0.000	0.0E0	0.000	1.594
19.35	0.97	1.30	0.74	0.67	87.87	51.06	100.00	0.000	0.0E0	0.000	1.594
19.30	0.97	1.30	0.74	0.67	86.86	51.12	100.00	0.000	0.0E0	0.000	1.594
19.25	0.97	1.30	0.74	0.67	85.85	51.18	100.00	0.000	0.0E0	0.000	1.594
19.20	0.97	1.30	0.74	0.67	84.84	51.24	100.00	0.000	0.0E0	0.000	1.594
19.15	0.97	1.30	0.74	0.67	83.83	51.30	100.00	0.000	0.0E0	0.000	1.594
19.10	0.97	1.30	0.74	0.67	82.82	51.36	100.00	0.000	0.0E0	0.000	1.594
19.05	0.97	1.30	0.74	0.67	81.81	51.42	100.00	0.000	0.0E0	0.000	1.594
19.00	0.97	1.30	0.74	0.67	80.80	51.48	100.00	0.000	0.0E0	0.000	1.594
18.95	0.97	1.30	0.74	0.67	79.79	51.54	100.00	0.000	0.0E0	0.000	1.594
18.90	0.97	1.30	0.74	0.67	78.78	51.60	100.00	0.000	0.0E0	0.000	1.594
18.85	0.97	1.30	0.74	0.67	77.77	51.66	100.00	0.000	0.0E0	0.000	1.594
18.80	0.97	1.30	0.74	0.67	76.76	51.73	100.00	0.000	0.0E0	0.000	1.594
18.75	0.97	1.30	0.74	0.67	75.75	51.79	100.00	0.000	0.0E0	0.000	1.594
18.70	0.97	1.30	0.74	0.67	74.74	51.85	100.00	0.000	0.0E0	0.000	1.594
18.65	0.97	1.30	0.74	0.67	73.73	51.91	100.00	0.000	0.0E0	0.000	1.594
18.60	0.97	1.30	0.74	0.67	72.72	51.97	100.00	0.000	0.0E0	0.000	1.594
18.55	0.97	1.30	0.74	0.67	71.71	52.04	100.00	0.000	0.0E0	0.000	1.594
18.50	0.97	1.30	0.74	0.67	70.70	52.10	100.00	0.000	0.0E0	0.000	1.594
18.45	0.97	1.30	0.74	0.67	69.69	52.16	100.00	0.000	0.0E0	0.000	1.594
18.40	0.97	1.30	0.74	0.67	68.68	52.23	100.00	0.000	0.0E0	0.000	1.594
18.35	0.97	1.30	0.74	0.67	67.67	52.29	100.00	0.000	0.0E0	0.000	1.594
18.30	0.97	1.30	0.74	0.67	66.66	52.36	100.00	0.000	0.0E0	0.000	1.594
18.25	0.97	1.30	0.74	0.67	65.65	52.42	100.00	0.000	0.0E0	0.000	1.594
18.20	0.97	1.30	0.74	0.67	64.64	52.49	100.00	0.000	0.0E0	0.000	1.594
18.15	0.97	1.30	0.75	0.67	63.63	52.55	100.00	0.000	0.0E0	0.000	1.594
18.10	0.97	1.30	0.75	0.67	62.62	52.62	100.00	0.000	0.0E0	0.000	1.594
18.05	0.97	1.30	0.75	0.67	61.61	52.68	100.00	0.000	0.0E0	0.000	1.594
18.00	0.97	1.30	0.75	0.67	60.60	52.75	100.00	0.000	0.0E0	0.000	1.594
17.95	0.97	1.30	0.75	0.67	59.59	52.81	100.00	0.000	0.0E0	0.000	1.594
17.90	0.97	1.30	0.75	0.67	58.58	52.88	100.00	0.000	0.0E0	0.000	1.594
17.85	0.97	1.30	0.75	0.67	57.57	52.95	100.00	0.000	0.0E0	0.000	1.594
17.80	0.97	1.30	0.75	0.67	56.56	53.02	100.00	0.000	0.0E0	0.000	1.594
17.75	0.97	1.30	0.75	0.67	55.55	53.08	100.00	0.000	0.0E0	0.000	1.594
17.70	0.97	1.30	0.75	0.67	54.54	53.15	100.00	0.000	0.0E0	0.000	1.594
17.65	0.97	1.30	0.75	0.67	53.53	53.22	100.00	0.000	0.0E0	0.000	1.594
17.60	0.97	1.30	0.75	0.67	52.52	53.29	100.00	0.000	0.0E0	0.000	1.594
17.55	0.97	1.30	0.75	0.67	51.51	53.36	100.00	0.000	0.0E0	0.000	1.594
17.50	0.97	1.30	0.75	0.67	50.50	53.43	100.00	0.000	0.0E0	0.000	1.594
17.45	0.97	1.30	0.75	0.67	49.49	53.50	100.00	0.000	0.0E0	0.000	1.594
17.40	0.97	1.30	0.75	0.67	48.48	53.57	100.00	0.000	0.0E0	0.000	1.594
17.35	0.97	1.30	0.75	0.67	47.47	53.64	100.00	0.000	0.0E0	0.000	1.594
17.30	0.97	1.30	0.75	0.67	46.46	53.71	100.00	0.000	0.0E0	0.000	1.594

17.25	0.97	1.30	0.75	0.67	45.45	53.78	100.00	0.000	0.0E0	0.000	1.594
17.20	0.97	1.30	0.75	0.67	44.44	53.85	100.00	0.000	0.0E0	0.000	1.594
17.15	0.97	1.30	0.75	0.67	43.43	53.92	100.00	0.000	0.0E0	0.000	1.594
17.10	0.97	1.30	0.75	0.67	42.42	53.99	100.00	0.000	0.0E0	0.000	1.594
17.05	0.97	1.30	0.75	0.67	41.41	54.06	100.00	0.000	0.0E0	0.000	1.594
17.00	0.97	1.30	0.75	0.67	40.40	54.14	100.00	0.000	0.0E0	0.000	1.594
16.95	0.97	1.30	0.75	0.67	39.39	54.21	100.00	0.000	0.0E0	0.000	1.594
16.90	0.97	1.30	0.75	0.67	38.38	54.28	100.00	0.000	0.0E0	0.000	1.594
16.85	0.97	1.30	0.75	0.67	37.37	54.36	100.00	0.000	0.0E0	0.000	1.594
16.80	0.97	1.30	0.75	0.67	36.36	54.43	100.00	0.000	0.0E0	0.000	1.594
16.75	0.97	1.30	0.75	0.67	35.35	54.51	100.00	0.000	0.0E0	0.000	1.594
16.70	0.97	1.30	0.75	0.67	34.34	54.17	100.00	0.000	0.0E0	0.000	1.594
16.65	0.97	1.30	0.75	0.67	33.33	53.83	100.00	0.000	0.0E0	0.000	1.594
16.60	0.97	1.30	0.75	0.67	32.32	53.49	100.00	0.000	0.0E0	0.000	1.594
16.55	0.97	1.30	0.75	0.67	31.31	53.15	100.00	0.000	0.0E0	0.000	1.594
16.50	0.97	1.30	0.75	0.67	30.30	52.81	100.00	0.000	0.0E0	0.000	1.594
16.45	0.97	1.30	0.75	0.67	29.29	52.47	100.00	0.000	0.0E0	0.000	1.594
16.40	0.97	1.30	0.75	0.67	28.28	52.13	100.00	0.000	0.0E0	0.000	1.594
16.35	0.97	1.30	0.75	0.67	27.27	51.79	100.00	0.000	0.0E0	0.000	1.594
16.30	0.97	1.30	0.75	0.67	26.26	51.45	100.00	0.000	0.0E0	0.000	1.594
16.25	0.97	1.30	0.75	0.67	25.25	51.10	100.00	0.000	0.0E0	0.000	1.594
16.20	0.97	1.30	0.75	0.67	24.24	50.75	100.00	0.000	0.0E0	0.000	1.594
16.15	0.97	1.30	0.75	0.67	23.23	50.40	100.00	0.000	0.0E0	0.000	1.594
16.10	0.97	1.30	0.75	0.67	22.22	50.03	100.00	0.000	0.0E0	0.000	1.594
16.05	0.97	1.30	0.75	0.67	21.21	49.66	100.00	0.000	0.0E0	0.000	1.594
16.00	0.97	1.30	0.75	0.67	20.20	49.28	100.00	0.000	0.0E0	0.000	1.594
15.95	0.97	1.30	0.75	0.67	19.19	48.89	100.00	0.000	0.0E0	0.000	1.594
15.90	0.97	1.30	0.75	0.67	18.18	48.49	100.00	0.000	0.0E0	0.000	1.594
15.85	0.97	1.30	0.75	0.67	17.17	48.07	100.00	0.000	0.0E0	0.000	1.594
15.80	0.97	1.30	0.75	0.67	16.16	47.64	100.00	0.000	0.0E0	0.000	1.594
15.75	0.97	1.30	0.75	0.67	15.15	47.19	100.00	0.000	0.0E0	0.000	1.594
15.70	0.97	1.30	0.75	0.67	14.14	46.72	100.00	0.000	0.0E0	0.000	1.594
15.65	0.98	1.30	0.75	0.67	13.13	46.24	100.00	0.000	0.0E0	0.000	1.594
15.60	0.98	1.30	0.75	0.67	12.12	45.74	100.00	0.000	0.0E0	0.000	1.594
15.55	0.98	1.30	0.75	0.67	11.11	45.24	100.00	0.000	0.0E0	0.000	1.594
15.50	0.98	1.30	0.75	0.67	10.10	44.76	100.00	0.000	0.0E0	0.000	1.594
15.45	0.98	1.30	0.75	0.67	9.09	44.31	100.00	0.000	0.0E0	0.000	1.594
15.40	0.98	1.30	0.75	0.67	8.08	43.93	100.00	0.000	0.0E0	0.000	1.594
15.35	0.98	1.30	0.75	0.67	7.07	43.63	100.00	0.000	0.0E0	0.000	1.594
15.30	0.98	1.30	0.75	0.67	6.06	43.44	100.00	0.000	0.0E0	0.000	1.594
15.25	0.98	1.30	0.75	0.67	5.05	43.33	100.00	0.000	0.0E0	0.000	1.594
15.20	0.98	1.30	0.75	0.67	4.04	43.34	100.00	0.000	0.0E0	0.000	1.594
15.15	0.98	1.30	0.75	0.66	3.03	43.41	100.00	0.000	0.0E0	0.000	1.594
15.10	0.98	1.30	0.75	0.66	2.02	43.49	100.00	0.000	0.0E0	0.000	1.594
15.05	0.98	1.30	0.75	0.66	1.01	43.56	100.00	0.000	0.0E0	0.000	1.594
15.00	0.98	1.30	0.75	0.66	0.00	43.63	100.00	0.000	0.0E0	0.000	1.594
14.95	0.98	1.30	0.75	0.66	0.00	43.65	100.00	0.000	0.0E0	0.000	1.594
14.90	0.98	1.30	0.75	0.66	0.00	43.67	100.00	0.000	0.0E0	0.000	1.594
14.85	0.98	1.30	0.75	0.66	0.00	43.68	100.00	0.000	0.0E0	0.000	1.594
14.80	0.98	1.30	0.75	0.66	0.00	43.70	100.00	0.000	0.0E0	0.000	1.594
14.75	0.98	1.30	0.75	0.66	0.00	39.11	100.00	0.000	0.0E0	0.000	1.594
14.70	0.98	1.30	0.75	0.66	0.00	39.13	100.00	0.000	0.0E0	0.000	1.594
14.65	0.98	1.30	0.75	0.66	0.00	39.14	100.00	0.000	0.0E0	0.000	1.594
14.60	0.98	1.30	0.75	0.66	0.00	39.15	100.00	0.000	0.0E0	0.000	1.594
14.55	0.98	1.30	0.75	0.66	0.00	39.17	100.00	0.000	0.0E0	0.000	1.594
14.50	0.98	1.30	0.75	0.66	0.00	39.18	100.00	0.000	0.0E0	0.000	1.594
14.45	0.98	1.30	0.75	0.66	0.00	39.20	100.00	0.000	0.0E0	0.000	1.594
14.40	0.98	1.30	0.75	0.66	0.00	39.22	100.00	0.000	0.0E0	0.000	1.594
14.35	0.98	1.30	0.75	0.66	0.00	39.23	100.00	0.000	0.0E0	0.000	1.594
14.30	0.98	1.30	0.75	0.66	0.00	39.25	100.00	0.000	0.0E0	0.000	1.594
14.25	0.98	1.30	0.75	0.66	0.00	39.26	100.00	0.000	0.0E0	0.000	1.594
14.20	0.98	1.30	0.75	0.66	0.00	39.28	100.00	0.000	0.0E0	0.000	1.594
14.15	0.98	1.30	0.76	0.66	0.00	39.30	100.00	0.000	0.0E0	0.000	1.594
14.10	0.98	1.30	0.76	0.66	0.00	39.31	100.00	0.000	0.0E0	0.000	1.594
14.05	0.98	1.30	0.76	0.66	0.00	39.33	100.00	0.000	0.0E0	0.000	1.594
14.00	0.98	1.30	0.76	0.66	0.00	39.35	100.00	0.000	0.0E0	0.000	1.594
13.95	0.98	1.30	0.76	0.66	0.00	39.36	100.00	0.000	0.0E0	0.000	1.594
13.90	0.98	1.30	0.76	0.66	0.00	39.38	100.00	0.000	0.0E0	0.000	1.594
13.85	0.98	1.30	0.76	0.66	0.00	39.40	100.00	0.000	0.0E0	0.000	1.594
13.80	0.98	1.30	0.76	0.66	0.00	39.42	100.00	0.000	0.0E0	0.000	1.594
13.75	0.98	1.30	0.76	0.66	0.00	39.44	100.00	0.000	0.0E0	0.000	1.594
13.70	0.98	1.30	0.76	0.66	0.00	39.45	100.00	0.000	0.0E0	0.000	1.594
13.65	0.98	1.30	0.76	0.66	0.00	39.47	100.00	0.000	0.0E0	0.000	1.594

13.60	0.98	1.30	0.76	0.66	0.00	39.49	100.00	0.000	0.0E0	0.000	1.594
13.55	0.98	1.30	0.76	0.66	0.00	39.51	100.00	0.000	0.0E0	0.000	1.594
13.50	0.98	1.30	0.76	0.66	0.00	39.53	100.00	0.000	0.0E0	0.000	1.594
13.45	0.98	1.30	0.76	0.66	0.00	39.55	100.00	0.000	0.0E0	0.000	1.594
13.40	0.98	1.30	0.76	0.66	0.00	39.57	100.00	0.000	0.0E0	0.000	1.594
13.35	0.98	1.30	0.76	0.66	0.00	39.59	100.00	0.000	0.0E0	0.000	1.594
13.30	0.99	1.30	0.76	0.66	0.00	39.61	100.00	0.000	0.0E0	0.000	1.594
13.25	0.99	1.30	0.76	0.66	0.00	39.63	100.00	0.000	0.0E0	0.000	1.594
13.20	0.99	1.30	0.76	0.66	0.00	39.65	100.00	0.000	0.0E0	0.000	1.594
13.15	0.99	1.30	0.76	0.66	0.00	39.67	100.00	0.000	0.0E0	0.000	1.594
13.10	0.99	1.30	0.76	0.66	0.00	39.69	100.00	0.000	0.0E0	0.000	1.594
13.05	0.99	1.30	0.76	0.66	0.00	39.72	100.00	0.000	0.0E0	0.000	1.594
13.00	0.99	1.30	0.76	0.66	0.00	39.74	100.00	0.000	0.0E0	0.000	1.594
12.95	0.99	1.30	0.76	0.66	0.00	39.76	100.00	0.000	0.0E0	0.000	1.594
12.90	0.99	1.30	0.76	0.66	0.00	39.78	100.00	0.000	0.0E0	0.000	1.594
12.85	0.99	1.30	0.76	0.66	0.00	39.81	100.00	0.000	0.0E0	0.000	1.594
12.80	0.99	1.30	0.76	0.66	0.00	39.83	100.00	0.000	0.0E0	0.000	1.594
12.75	0.99	1.30	0.76	0.66	0.00	39.85	100.00	0.000	0.0E0	0.000	1.594
12.70	0.99	1.30	0.76	0.66	0.00	39.87	100.00	0.000	0.0E0	0.000	1.594
12.65	0.99	1.30	0.76	0.66	0.00	39.90	100.00	0.000	0.0E0	0.000	1.594
12.60	0.99	1.30	0.76	0.66	0.00	39.92	100.00	0.000	0.0E0	0.000	1.594
12.55	0.99	1.30	0.76	0.66	0.00	39.95	100.00	0.000	0.0E0	0.000	1.594
12.50	0.99	1.30	0.76	0.66	0.00	39.97	100.00	0.000	0.0E0	0.000	1.594
12.45	0.99	1.30	0.76	0.66	0.00	40.00	100.00	0.000	0.0E0	0.000	1.594
12.40	0.99	1.30	0.76	0.66	0.00	40.02	100.00	0.000	0.0E0	0.000	1.594
12.35	0.99	1.30	0.76	0.66	0.00	40.05	100.00	0.000	0.0E0	0.000	1.594
12.30	0.99	1.30	0.76	0.66	0.00	40.07	100.00	0.000	0.0E0	0.000	1.594
12.25	0.99	1.30	0.76	0.66	0.00	40.10	100.00	0.000	0.0E0	0.000	1.594
12.20	0.99	1.30	0.76	0.66	0.00	40.13	100.00	0.000	0.0E0	0.000	1.594
12.15	0.99	1.30	0.76	0.66	0.00	40.15	100.00	0.000	0.0E0	0.000	1.594
12.10	0.99	1.30	0.76	0.65	0.00	40.18	100.00	0.000	0.0E0	0.000	1.594
12.05	0.99	1.30	0.76	0.65	0.00	40.21	100.00	0.000	0.0E0	0.000	1.594
12.00	0.99	1.30	0.76	0.65	0.00	40.23	100.00	0.000	0.0E0	0.000	1.594
11.95	0.99	1.30	0.76	0.65	0.00	40.26	100.00	0.000	0.0E0	0.000	1.594
11.90	0.99	1.30	0.76	0.65	0.00	40.29	100.00	0.000	0.0E0	0.000	1.594
11.85	0.99	1.30	0.76	0.65	0.00	40.32	100.00	0.000	0.0E0	0.000	1.594
11.80	0.99	1.30	0.76	0.65	0.00	40.35	100.00	0.000	0.0E0	0.000	1.594
11.75	0.99	1.30	0.77	0.65	0.00	40.38	100.00	0.000	0.0E0	0.000	1.594
11.70	0.99	1.30	0.77	0.65	0.00	40.41	100.00	0.000	0.0E0	0.000	1.594
11.65	0.99	1.30	0.77	0.65	0.00	40.44	100.00	0.000	0.0E0	0.000	1.594
11.60	1.00	1.30	0.77	0.65	0.00	40.47	100.00	0.000	0.0E0	0.000	1.594
11.55	1.00	1.30	0.77	0.65	0.00	40.50	100.00	0.000	0.0E0	0.000	1.594
11.50	1.00	1.30	0.77	0.65	0.00	40.53	100.00	0.000	0.0E0	0.000	1.594
11.45	1.00	1.30	0.77	0.65	0.00	40.56	100.00	0.000	0.0E0	0.000	1.594
11.40	1.00	1.30	0.77	0.65	0.00	40.59	100.00	0.000	0.0E0	0.000	1.594
11.35	1.00	1.30	0.77	0.65	0.00	40.63	100.00	0.000	0.0E0	0.000	1.594
11.30	1.00	1.30	0.77	0.65	0.00	40.66	100.00	0.000	0.0E0	0.000	1.594
11.25	1.00	1.30	0.77	0.65	0.00	40.69	100.00	0.000	0.0E0	0.000	1.594
11.20	1.00	1.30	0.77	0.65	0.00	40.73	100.00	0.000	0.0E0	0.000	1.594
11.15	1.00	1.30	0.77	0.65	0.00	40.76	100.00	0.000	0.0E0	0.000	1.594
11.10	1.00	1.30	0.77	0.65	0.00	40.79	100.00	0.000	0.0E0	0.000	1.594
11.05	1.00	1.30	0.77	0.65	0.00	40.83	100.00	0.000	0.0E0	0.000	1.594
11.00	1.00	1.30	0.77	0.65	0.00	40.86	100.00	0.000	0.0E0	0.000	1.594
10.95	1.00	1.30	0.77	0.65	0.00	40.90	100.00	0.000	0.0E0	0.000	1.594
10.90	1.00	1.30	0.77	0.65	0.00	40.94	100.00	0.000	0.0E0	0.000	1.594
10.85	1.00	1.30	0.77	0.65	0.00	40.97	100.00	0.000	0.0E0	0.000	1.594
10.80	1.00	1.30	0.77	0.65	0.00	41.01	100.00	0.000	0.0E0	0.000	1.594
10.75	1.00	1.30	0.77	0.65	0.00	41.05	100.00	0.000	0.0E0	0.000	1.594
10.70	1.00	1.30	0.77	0.65	0.00	41.08	100.00	0.000	0.0E0	0.000	1.594
10.65	1.00	1.30	0.77	0.65	0.00	41.12	100.00	0.000	0.0E0	0.000	1.594
10.60	1.00	1.30	0.77	0.65	0.00	41.16	100.00	0.000	0.0E0	0.000	1.594
10.55	1.00	1.30	0.77	0.65	0.00	41.20	100.00	0.000	0.0E0	0.000	1.594
10.50	1.00	1.30	0.77	0.65	0.00	41.24	100.00	0.000	0.0E0	0.000	1.594
10.45	1.00	1.30	0.77	0.65	0.00	41.28	100.00	0.000	0.0E0	0.000	1.594
10.40	1.00	1.30	0.77	0.65	0.00	41.32	100.00	0.000	0.0E0	0.000	1.594
10.35	1.00	1.30	0.77	0.65	0.00	41.36	100.00	0.000	0.0E0	0.000	1.594
10.30	1.00	1.30	0.77	0.65	0.00	41.40	100.00	0.000	0.0E0	0.000	1.594
10.25	1.01	1.30	0.77	0.65	0.00	41.45	100.00	0.000	0.0E0	0.000	1.594
10.20	1.01	1.30	0.77	0.65	0.00	41.49	100.00	0.000	0.0E0	0.000	1.594
10.15	1.01	1.30	0.77	0.65	0.00	41.53	100.00	0.000	0.0E0	0.000	1.594
10.10	1.01	1.30	0.77	0.65	0.00	41.58	100.00	0.000	0.0E0	0.000	1.594
10.05	1.01	1.30	0.78	0.65	0.00	41.62	100.00	0.000	0.0E0	0.000	1.594
10.00	1.01	1.30	0.78	0.64	0.00	41.66	100.00	0.000	0.0E0	0.000	1.594

9.95	1.01	1.30	0.78	0.64	0.00	41.78	100.00	0.000	0.0E0	0.000	1.594
9.90	1.01	1.30	0.78	0.64	0.00	41.89	100.00	0.000	0.0E0	0.000	1.594
9.85	1.01	1.30	0.78	0.64	0.00	42.00	100.00	0.000	0.0E0	0.000	1.594
9.80	1.01	1.30	0.78	0.64	0.00	42.11	100.00	0.000	0.0E0	0.000	1.594
9.75	1.01	1.30	0.78	0.64	0.00	42.23	100.00	0.000	0.0E0	0.000	1.594
9.70	1.01	1.30	0.78	0.64	0.00	42.34	100.00	0.000	0.0E0	0.000	1.594
9.65	1.01	1.30	0.78	0.64	0.00	42.46	100.00	0.000	0.0E0	0.000	1.594
9.60	1.01	1.30	0.78	0.64	0.00	42.58	100.00	0.000	0.0E0	0.000	1.594
9.55	1.01	1.30	0.78	0.64	0.00	42.70	100.00	0.000	0.0E0	0.000	1.594
9.50	1.01	1.30	0.78	0.64	0.00	42.81	100.00	0.000	0.0E0	0.000	1.594
9.45	1.01	1.30	0.78	0.64	0.00	42.93	100.00	0.000	0.0E0	0.000	1.594
9.40	1.01	1.30	0.78	0.64	0.00	43.05	100.00	0.000	0.0E0	0.000	1.594
9.35	1.01	1.30	0.78	0.64	0.00	43.18	100.00	0.000	0.0E0	0.000	1.594
9.30	1.01	1.30	0.78	0.64	0.00	43.30	100.00	0.000	0.0E0	0.000	1.594
9.25	1.01	1.30	0.78	0.64	0.00	43.42	100.00	0.000	0.0E0	0.000	1.594
9.20	1.01	1.30	0.78	0.64	0.00	43.55	100.00	0.000	0.0E0	0.000	1.594
9.15	1.02	1.30	0.78	0.64	0.00	43.67	100.00	0.000	0.0E0	0.000	1.594
9.10	1.02	1.30	0.78	0.64	0.00	43.80	100.00	0.000	0.0E0	0.000	1.594
9.05	1.02	1.30	0.78	0.64	0.00	43.93	100.00	0.000	0.0E0	0.000	1.594
9.00	1.02	1.30	0.78	0.64	0.00	44.05	100.00	0.000	0.0E0	0.000	1.594
8.95	1.02	1.30	0.78	0.64	0.00	44.18	100.00	0.000	0.0E0	0.000	1.594
8.90	1.02	1.30	0.78	0.64	0.00	44.31	100.00	0.000	0.0E0	0.000	1.594
8.85	1.02	1.30	0.78	0.64	0.00	44.45	100.00	0.000	0.0E0	0.000	1.594
8.80	1.02	1.30	0.78	0.64	0.00	44.58	100.00	0.000	0.0E0	0.000	1.594
8.75	1.02	1.30	0.78	0.64	0.00	44.71	100.00	0.000	0.0E0	0.000	1.594
8.70	1.02	1.30	0.78	0.64	0.00	44.85	100.00	0.000	0.0E0	0.000	1.594
8.65	1.02	1.30	0.78	0.64	0.00	44.98	100.00	0.000	0.0E0	0.000	1.594
8.60	1.02	1.30	0.79	0.64	0.00	45.12	100.00	0.000	0.0E0	0.000	1.594
8.55	1.02	1.30	0.79	0.64	0.00	45.26	100.00	0.000	0.0E0	0.000	1.594
8.50	1.02	1.30	0.79	0.64	0.00	45.40	100.00	0.000	0.0E0	0.000	1.594
8.45	1.02	1.30	0.79	0.64	0.00	45.54	100.00	0.000	0.0E0	0.000	1.594
8.40	1.02	1.30	0.79	0.64	0.00	45.68	100.00	0.000	0.0E0	0.000	1.594
8.35	1.02	1.30	0.79	0.64	0.00	45.82	100.00	0.000	0.0E0	0.000	1.594
8.30	1.02	1.30	0.79	0.64	0.00	45.97	100.00	0.000	0.0E0	0.000	1.594
8.25	1.02	1.30	0.79	0.63	0.00	46.11	100.00	0.000	0.0E0	0.000	1.594
8.20	1.02	1.30	0.79	0.63	0.00	40.82	100.00	0.000	0.0E0	0.000	1.594
8.15	1.02	1.30	0.79	0.63	0.00	40.95	100.00	0.000	0.0E0	0.000	1.594
8.10	1.02	1.30	0.79	0.63	0.00	41.08	100.00	0.000	0.0E0	0.000	1.594
8.05	1.02	1.30	0.79	0.63	0.00	41.21	100.00	0.000	0.0E0	0.000	1.594
8.00	1.03	1.30	0.79	0.63	0.00	41.35	100.00	0.000	0.0E0	0.000	1.594
7.95	1.03	1.30	0.79	0.63	0.00	41.48	100.00	0.000	0.0E0	0.000	1.594
7.90	1.03	1.30	0.79	0.63	0.00	41.62	100.00	0.000	0.0E0	0.000	1.594
7.85	1.03	1.30	0.79	0.63	0.00	41.76	100.00	0.000	0.0E0	0.000	1.594
7.80	1.03	1.30	0.79	0.63	0.00	41.89	100.00	0.000	0.0E0	0.000	1.594
7.75	1.03	1.30	0.79	0.63	0.00	42.03	100.00	0.000	0.0E0	0.000	1.594
7.70	1.03	1.30	0.79	0.63	0.00	42.18	100.00	0.000	0.0E0	0.000	1.594
7.65	1.03	1.30	0.79	0.63	0.00	42.32	100.00	0.000	0.0E0	0.000	1.594
7.60	1.03	1.30	0.79	0.63	0.00	42.46	100.00	0.000	0.0E0	0.000	1.594
7.55	1.03	1.30	0.79	0.63	0.00	42.61	100.00	0.000	0.0E0	0.000	1.594
7.50	1.03	1.30	0.79	0.63	0.00	42.76	100.00	0.000	0.0E0	0.000	1.594
7.45	1.03	1.30	0.79	0.63	0.00	42.90	100.00	0.000	0.0E0	0.000	1.594
7.40	1.03	1.30	0.79	0.63	0.00	43.05	100.00	0.000	0.0E0	0.000	1.594
7.35	1.03	1.30	0.79	0.63	0.00	43.21	100.00	0.000	0.0E0	0.000	1.594
7.30	1.03	1.30	0.79	0.63	0.00	43.36	100.00	0.000	0.0E0	0.000	1.594
7.25	1.03	1.30	0.79	0.63	0.00	43.51	100.00	0.000	0.0E0	0.000	1.594
7.20	1.03	1.30	0.79	0.63	0.00	43.67	100.00	0.000	0.0E0	0.000	1.594
7.15	1.03	1.30	0.79	0.63	0.00	43.83	100.00	0.000	0.0E0	0.000	1.594
7.10	1.03	1.30	0.79	0.63	0.00	43.98	100.00	0.000	0.0E0	0.000	1.594
7.05	1.03	1.30	0.79	0.63	0.00	44.14	100.00	0.000	0.0E0	0.000	1.594
7.00	1.03	1.30	0.79	0.63	0.00	44.31	100.00	0.000	0.0E0	0.000	1.594
6.95	1.03	1.30	0.80	0.63	0.00	44.47	100.00	0.000	0.0E0	0.000	1.594
6.90	1.03	1.30	0.80	0.63	0.00	44.64	100.00	0.000	0.0E0	0.000	1.594
6.85	1.03	1.30	0.80	0.63	0.00	44.80	100.00	0.000	0.0E0	0.000	1.594
6.80	1.03	1.30	0.80	0.63	0.00	44.97	100.00	0.000	0.0E0	0.000	1.594
6.75	1.03	1.30	0.80	0.63	0.00	45.14	100.00	0.000	0.0E0	0.000	1.594
6.70	1.03	1.30	0.80	0.63	0.00	45.31	100.00	0.000	0.0E0	0.000	1.594
6.65	1.04	1.30	0.80	0.63	0.00	45.49	100.00	0.000	0.0E0	0.000	1.594
6.60	1.04	1.30	0.80	0.63	0.00	45.67	100.00	0.000	0.0E0	0.000	1.594
6.55	1.04	1.30	0.80	0.63	0.00	45.84	100.00	0.000	0.0E0	0.000	1.594
6.50	1.04	1.30	0.80	0.63	0.00	46.02	100.00	0.000	0.0E0	0.000	1.594
6.45	1.04	1.30	0.80	0.63	0.00	46.21	100.00	0.000	0.0E0	0.000	1.594
6.40	1.04	1.30	0.80	0.63	0.00	46.39	100.00	0.000	0.0E0	0.000	1.594
6.35	1.04	1.30	0.80	0.63	0.00	46.58	100.00	0.000	0.0E0	0.000	1.594

6.30	1.04	1.30	0.80	0.63	0.00	46.76	100.00	0.000	0.0E0	0.000	1.594
6.25	1.04	1.30	0.80	0.63	0.00	46.95	100.00	0.000	0.0E0	0.000	1.594
6.20	1.04	1.30	0.80	0.63	0.00	47.15	100.00	0.000	0.0E0	0.000	1.594
6.15	1.04	1.30	0.80	0.63	0.00	47.34	100.00	0.000	0.0E0	0.000	1.594
6.10	1.04	1.30	0.80	0.63	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
6.05	1.04	1.30	0.80	0.63	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
6.00	1.04	1.30	0.80	0.63	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.95	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.90	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.85	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.80	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.75	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.70	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.65	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.60	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.55	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.50	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.45	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.40	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.35	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.30	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.25	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.20	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.15	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.10	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.05	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594
5.00	1.04	1.30	0.80	0.62	0.00	47.47	100.00	0.000	0.0E0	0.000	1.594

Settlement of Saturated Sands=1.594 in.
qc1 and (N1)60 is after fines correction in liquefaction analysis
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

Depth	sigma'	sigC'	(N1)60s	CSRsf	Gmax	g*Ge/Gm	g_eff	ec7.5	Cec	ec	dsz	dsp	S
ft	atm	atm			atm			%		%	in.	in.	in.

Settlement of Unsaturated Sands

Settlement of Unsaturated Sands=0.000 in.
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=1.594 in.
Differential Settlement=0.797 to 1.052 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf(1 tsf = 1 ton/ft2 = 2 kip/ft2)
1 atm (atmosphere) = 101.325 kPa(1 kPa = 1 kN/m2 = 0.001 Mpa)

SPT	Field data from Standard Penetration Test (SPT)
BPT	Field data from Becker Penetration Test (BPT)
qc	Field data from Cone Penetration Test (CPT) [atm (tsf)]
fs	Friction from CPT testing [atm (tsf)]
Rf	Ratio of fs/qc (%)
gamma	Total unit weight of soil
gamma'	Effective unit weight of soil
Fines	Fines content [%]
D50	Mean grain size
Dr	Relative Density
sigma	Total vertical stress [atm]
sigma'	Effective vertical stress [atm]
sigC'	Effective confining pressure [atm]
rd	Acceleration reduction coefficient by Seed

a_max.	Peak Ground Acceleration (PGA) in ground surface
mZ	Linear acceleration reduction coefficient X depth
a_min.	Minimum acceleration under linear reduction, mZ
CRRv	CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
CRR7.5	Cyclic resistance ratio (M=7.5)
Ksig	Overburden stress correction factor for CRR7.5
CRRm	After magnitude scaling correction CRRm=CRRv * MSF
MSF	Magnitude scaling factor from M=7.5 to user input M
CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F.S.	Calculated factor of safety against liquefaction F.S.=CRRm/CSRsf
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT
qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1
qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement calculation CSRm=CSRsf / MSF*
CSRfs	Cyclic stress ratio induced by earthquake with user inputed fs
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2 of Page C.
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5
NoLiq	No-Liquefy Soils

References:

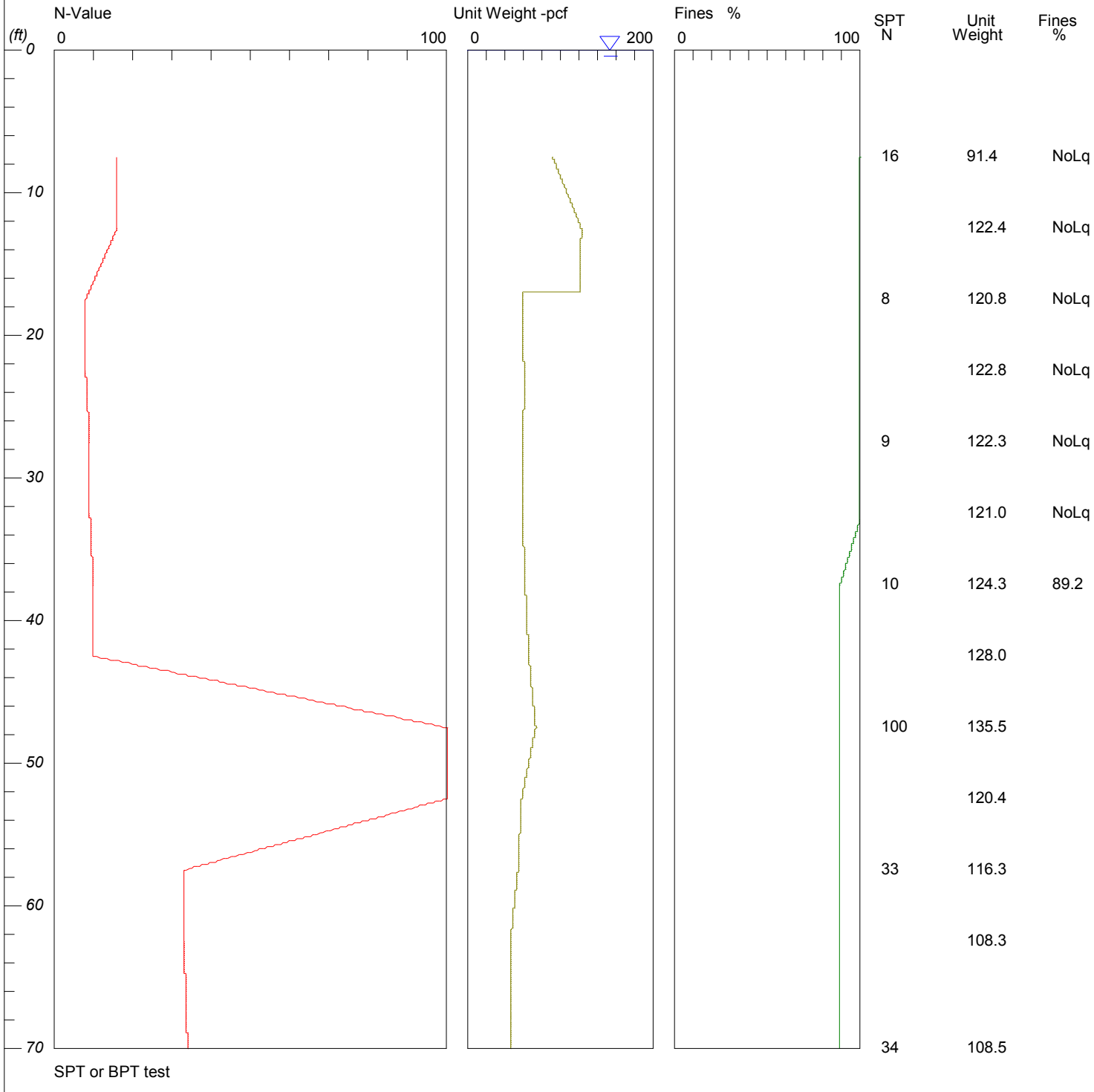
1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T.L., and Idriss, I.M., eds., Technical Report NCEER 97-0022.
SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for
Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.
2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth
International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center,
Report No. EERC 2003-06 by R.B Seed and etc. April 2003.

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-1-18 ***Water Depth=0 ft***

Magnitude=6.73
Acceleration=0.517g



SPT N	Unit Weight	Fines %
16	91.4	NoLq
	122.4	NoLq
8	120.8	NoLq
	122.8	NoLq
9	122.3	NoLq
	121.0	NoLq
10	124.3	89.2
	128.0	
100	135.5	
	120.4	
33	116.3	
	108.3	
34	108.5	

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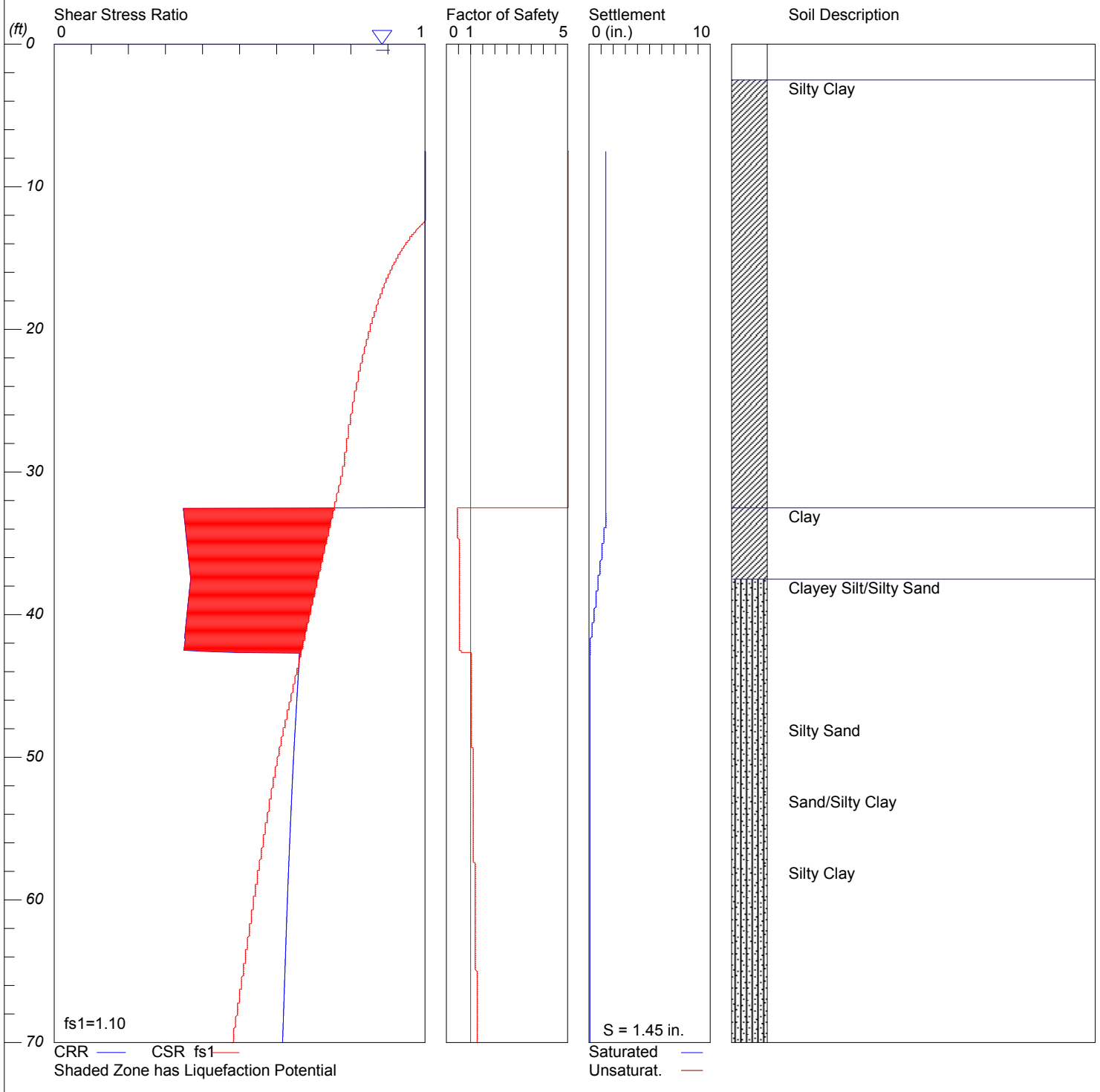
LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-1-18 ***Water Depth=0 ft***

Magnitude=6.73
Acceleration=0.517g



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LIQUEFACTION ANALYSIS CALCULATION DETAILS
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Input File Name: C:\Users\jgurunathan\OneDrive\Work\Projects\6792A -- Sportsmens August 2018\Liquefaction\B-1-18 Reduced.liq
Title: Sportsmen's Lodge
Subtitle: Boring B-1-18 Analysis (2/3 PGAm)

Input Data:
Surface Elev.=
Hole No.=B-1-18
Depth of Hole=70.00 ft
Water Table during Earthquake= 0.00 ft
Water Table during In-Situ Testing= 17.00 ft
Max. Acceleration=0.52 g
Earthquake Magnitude=6.73
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Idriss/Seed
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.42
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.1
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
7.50	16.00	91.40	NoLiq
12.50	16.00	122.40	NoLiq
17.50	8.00	120.80	NoLiq
22.50	8.00	122.80	NoLiq
27.50	9.00	122.30	NoLiq
32.50	9.00	121.00	NoLiq
37.50	10.00	124.30	89.20
42.50	10.00	128.00	89.20
47.50	100.00	135.50	89.20
52.50	100.00	120.40	89.20
57.50	33.00	116.30	89.20
62.50	33.00	108.30	89.20
70.00	34.00	108.50	89.20

Output Results:
Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.52g

CSR Calculation:

Depth ft	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ g	a(z) g	CSR	x fs1	=CSRfs
7.50	91.40	0.324	29.00	0.103	0.98	0.000	0.517	1.04	1.10	1.14
7.55	91.71	0.326	29.31	0.103	0.98	0.000	0.517	1.04	1.10	1.14
7.60	92.02	0.328	29.62	0.104	0.98	0.000	0.517	1.04	1.10	1.14
7.65	92.33	0.330	29.93	0.105	0.98	0.000	0.517	1.04	1.10	1.14
7.70	92.64	0.333	30.24	0.106	0.98	0.000	0.517	1.04	1.10	1.14
7.75	92.95	0.335	30.55	0.106	0.98	0.000	0.517	1.04	1.10	1.14

7.80	93.26	0.337	30.86	0.107	0.98	0.000	0.517	1.04	1.10	1.14
7.85	93.57	0.339	31.17	0.108	0.98	0.000	0.517	1.04	1.10	1.14
7.90	93.88	0.341	31.48	0.108	0.98	0.000	0.517	1.04	1.10	1.14
7.95	94.19	0.344	31.79	0.109	0.98	0.000	0.517	1.04	1.10	1.14
8.00	94.50	0.346	32.10	0.110	0.98	0.000	0.517	1.04	1.10	1.14
8.05	94.81	0.348	32.41	0.111	0.98	0.000	0.517	1.04	1.10	1.14
8.10	95.12	0.350	32.72	0.111	0.98	0.000	0.517	1.04	1.10	1.14
8.15	95.43	0.353	33.03	0.112	0.98	0.000	0.517	1.04	1.10	1.14
8.20	95.74	0.355	33.34	0.113	0.98	0.000	0.517	1.03	1.10	1.14
8.25	96.05	0.357	33.65	0.114	0.98	0.000	0.517	1.03	1.10	1.14
8.30	96.36	0.359	33.96	0.115	0.98	0.000	0.517	1.03	1.10	1.14
8.35	96.67	0.362	34.27	0.115	0.98	0.000	0.517	1.03	1.10	1.14
8.40	96.98	0.364	34.58	0.116	0.98	0.000	0.517	1.03	1.10	1.13
8.45	97.29	0.366	34.89	0.117	0.98	0.000	0.517	1.03	1.10	1.13
8.50	97.60	0.369	35.20	0.118	0.98	0.000	0.517	1.03	1.10	1.13
8.55	97.91	0.371	35.51	0.119	0.98	0.000	0.517	1.03	1.10	1.13
8.60	98.22	0.373	35.82	0.120	0.98	0.000	0.517	1.03	1.10	1.13
8.65	98.53	0.375	36.13	0.120	0.98	0.000	0.517	1.03	1.10	1.13
8.70	98.84	0.378	36.44	0.121	0.98	0.000	0.517	1.03	1.10	1.13
8.75	99.15	0.380	36.75	0.122	0.98	0.000	0.517	1.02	1.10	1.13
8.80	99.46	0.382	37.06	0.123	0.98	0.000	0.517	1.02	1.10	1.13
8.85	99.77	0.385	37.37	0.124	0.98	0.000	0.517	1.02	1.10	1.12
8.90	100.08	0.387	37.68	0.125	0.98	0.000	0.517	1.02	1.10	1.12
8.95	100.39	0.390	37.99	0.126	0.98	0.000	0.517	1.02	1.10	1.12
9.00	100.70	0.392	38.30	0.127	0.98	0.000	0.517	1.02	1.10	1.12
9.05	101.01	0.394	38.61	0.127	0.98	0.000	0.517	1.02	1.10	1.12
9.10	101.32	0.397	38.92	0.128	0.98	0.000	0.517	1.02	1.10	1.12
9.15	101.63	0.399	39.23	0.129	0.98	0.000	0.517	1.02	1.10	1.12
9.20	101.94	0.401	39.54	0.130	0.98	0.000	0.517	1.01	1.10	1.12
9.25	102.25	0.404	39.85	0.131	0.98	0.000	0.517	1.01	1.10	1.11
9.30	102.56	0.406	40.16	0.132	0.98	0.000	0.517	1.01	1.10	1.11
9.35	102.87	0.409	40.47	0.133	0.98	0.000	0.517	1.01	1.10	1.11
9.40	103.18	0.411	40.78	0.134	0.98	0.000	0.517	1.01	1.10	1.11
9.45	103.49	0.414	41.09	0.135	0.98	0.000	0.517	1.01	1.10	1.11
9.50	103.80	0.416	41.40	0.136	0.98	0.000	0.517	1.01	1.10	1.11
9.55	104.11	0.418	41.71	0.137	0.98	0.000	0.517	1.00	1.10	1.10
9.60	104.42	0.421	42.02	0.138	0.98	0.000	0.517	1.00	1.10	1.10
9.65	104.73	0.423	42.33	0.139	0.98	0.000	0.517	1.00	1.10	1.10
9.70	105.04	0.426	42.64	0.140	0.98	0.000	0.517	1.00	1.10	1.10
9.75	105.35	0.428	42.95	0.141	0.98	0.000	0.517	1.00	1.10	1.10
9.80	105.66	0.431	43.26	0.142	0.98	0.000	0.517	1.00	1.10	1.10
9.85	105.97	0.433	43.57	0.143	0.98	0.000	0.517	1.00	1.10	1.10
9.90	106.28	0.436	43.88	0.144	0.98	0.000	0.517	0.99	1.10	1.09
9.95	106.59	0.438	44.19	0.145	0.98	0.000	0.517	0.99	1.10	1.09
10.00	106.90	0.441	44.50	0.146	0.98	0.000	0.517	0.99	1.10	1.09
10.05	107.21	0.443	44.81	0.147	0.98	0.000	0.517	0.99	1.10	1.09
10.10	107.52	0.446	45.12	0.148	0.98	0.000	0.517	0.99	1.10	1.09
10.15	107.83	0.448	45.43	0.149	0.98	0.000	0.517	0.99	1.10	1.08
10.20	108.14	0.451	45.74	0.150	0.98	0.000	0.517	0.98	1.10	1.08
10.25	108.45	0.454	46.05	0.151	0.98	0.000	0.517	0.98	1.10	1.08
10.30	108.76	0.456	46.36	0.152	0.98	0.000	0.517	0.98	1.10	1.08
10.35	109.07	0.459	46.67	0.154	0.98	0.000	0.517	0.98	1.10	1.08
10.40	109.38	0.461	46.98	0.155	0.98	0.000	0.517	0.98	1.10	1.08
10.45	109.69	0.464	47.29	0.156	0.98	0.000	0.517	0.98	1.10	1.07
10.50	110.00	0.466	47.60	0.157	0.98	0.000	0.517	0.97	1.10	1.07
10.55	110.31	0.469	47.91	0.158	0.98	0.000	0.517	0.97	1.10	1.07
10.60	110.62	0.472	48.22	0.159	0.98	0.000	0.517	0.97	1.10	1.07
10.65	110.93	0.474	48.53	0.160	0.98	0.000	0.517	0.97	1.10	1.07
10.70	111.24	0.477	48.84	0.161	0.98	0.000	0.517	0.97	1.10	1.07
10.75	111.55	0.480	49.15	0.163	0.97	0.000	0.517	0.97	1.10	1.06
10.80	111.86	0.482	49.46	0.164	0.97	0.000	0.517	0.96	1.10	1.06
10.85	112.17	0.485	49.77	0.165	0.97	0.000	0.517	0.96	1.10	1.06
10.90	112.48	0.487	50.08	0.166	0.97	0.000	0.517	0.96	1.10	1.06
10.95	112.79	0.490	50.39	0.167	0.97	0.000	0.517	0.96	1.10	1.06
11.00	113.10	0.493	50.70	0.168	0.97	0.000	0.517	0.96	1.10	1.05
11.05	113.41	0.495	51.01	0.170	0.97	0.000	0.517	0.96	1.10	1.05
11.10	113.72	0.498	51.32	0.171	0.97	0.000	0.517	0.95	1.10	1.05
11.15	114.03	0.501	51.63	0.172	0.97	0.000	0.517	0.95	1.10	1.05
11.20	114.34	0.504	51.94	0.173	0.97	0.000	0.517	0.95	1.10	1.05
11.25	114.65	0.506	52.25	0.174	0.97	0.000	0.517	0.95	1.10	1.04
11.30	114.96	0.509	52.56	0.176	0.97	0.000	0.517	0.95	1.10	1.04
11.35	115.27	0.512	52.87	0.177	0.97	0.000	0.517	0.95	1.10	1.04
11.40	115.58	0.514	53.18	0.178	0.97	0.000	0.517	0.94	1.10	1.04

11.45	115.89	0.517	53.49	0.179	0.97	0.000	0.517	0.94	1.10	1.04
11.50	116.20	0.520	53.80	0.181	0.97	0.000	0.517	0.94	1.10	1.03
11.55	116.51	0.523	54.11	0.182	0.97	0.000	0.517	0.94	1.10	1.03
11.60	116.82	0.525	54.42	0.183	0.97	0.000	0.517	0.94	1.10	1.03
11.65	117.13	0.528	54.73	0.185	0.97	0.000	0.517	0.94	1.10	1.03
11.70	117.44	0.531	55.04	0.186	0.97	0.000	0.517	0.93	1.10	1.03
11.75	117.75	0.534	55.35	0.187	0.97	0.000	0.517	0.93	1.10	1.03
11.80	118.06	0.536	55.66	0.188	0.97	0.000	0.517	0.93	1.10	1.02
11.85	118.37	0.539	55.97	0.190	0.97	0.000	0.517	0.93	1.10	1.02
11.90	118.68	0.542	56.28	0.191	0.97	0.000	0.517	0.93	1.10	1.02
11.95	118.99	0.545	56.59	0.192	0.97	0.000	0.517	0.92	1.10	1.02
12.00	119.30	0.548	56.90	0.194	0.97	0.000	0.517	0.92	1.10	1.02
12.05	119.61	0.550	57.21	0.195	0.97	0.000	0.517	0.92	1.10	1.01
12.10	119.92	0.553	57.52	0.196	0.97	0.000	0.517	0.92	1.10	1.01
12.15	120.23	0.556	57.83	0.198	0.97	0.000	0.517	0.92	1.10	1.01
12.20	120.54	0.559	58.14	0.199	0.97	0.000	0.517	0.92	1.10	1.01
12.25	120.85	0.562	58.45	0.201	0.97	0.000	0.517	0.91	1.10	1.01
12.30	121.16	0.565	58.76	0.202	0.97	0.000	0.517	0.91	1.10	1.00
12.35	121.47	0.568	59.07	0.203	0.97	0.000	0.517	0.91	1.10	1.00
12.40	121.78	0.570	59.38	0.205	0.97	0.000	0.517	0.91	1.10	1.00
12.45	122.09	0.573	59.69	0.206	0.97	0.000	0.517	0.91	1.10	1.00
12.50	122.40	0.576	60.00	0.208	0.97	0.000	0.517	0.91	1.10	1.00
12.55	122.38	0.579	59.98	0.209	0.97	0.000	0.517	0.90	1.10	0.99
12.60	122.37	0.582	59.97	0.210	0.97	0.000	0.517	0.90	1.10	0.99
12.65	122.35	0.585	59.95	0.212	0.97	0.000	0.517	0.90	1.10	0.99
12.70	122.34	0.588	59.94	0.213	0.97	0.000	0.517	0.90	1.10	0.99
12.75	122.32	0.591	59.92	0.215	0.97	0.000	0.517	0.90	1.10	0.99
12.80	122.30	0.593	59.90	0.216	0.97	0.000	0.517	0.90	1.10	0.99
12.85	122.29	0.596	59.89	0.217	0.97	0.000	0.517	0.89	1.10	0.98
12.90	122.27	0.599	59.87	0.219	0.97	0.000	0.517	0.89	1.10	0.98
12.95	122.26	0.602	59.86	0.220	0.97	0.000	0.517	0.89	1.10	0.98
13.00	122.24	0.605	59.84	0.222	0.97	0.000	0.517	0.89	1.10	0.98
13.05	122.22	0.608	59.82	0.223	0.97	0.000	0.517	0.89	1.10	0.98
13.10	122.21	0.611	59.81	0.225	0.97	0.000	0.517	0.89	1.10	0.97
13.15	122.19	0.614	59.79	0.226	0.97	0.000	0.517	0.88	1.10	0.97
13.20	122.18	0.617	59.78	0.227	0.97	0.000	0.517	0.88	1.10	0.97
13.25	122.16	0.619	59.76	0.229	0.97	0.000	0.517	0.88	1.10	0.97
13.30	122.14	0.622	59.74	0.230	0.97	0.000	0.517	0.88	1.10	0.97
13.35	122.13	0.625	59.73	0.232	0.97	0.000	0.517	0.88	1.10	0.97
13.40	122.11	0.628	59.71	0.233	0.97	0.000	0.517	0.88	1.10	0.97
13.45	122.10	0.631	59.70	0.234	0.97	0.000	0.517	0.88	1.10	0.96
13.50	122.08	0.634	59.68	0.236	0.97	0.000	0.517	0.87	1.10	0.96
13.55	122.06	0.637	59.66	0.237	0.97	0.000	0.517	0.87	1.10	0.96
13.60	122.05	0.640	59.65	0.239	0.97	0.000	0.517	0.87	1.10	0.96
13.65	122.03	0.643	59.63	0.240	0.97	0.000	0.517	0.87	1.10	0.96
13.70	122.02	0.645	59.62	0.241	0.97	0.000	0.517	0.87	1.10	0.96
13.75	122.00	0.648	59.60	0.243	0.97	0.000	0.517	0.87	1.10	0.96
13.80	121.98	0.651	59.58	0.244	0.97	0.000	0.517	0.87	1.10	0.95
13.85	121.97	0.654	59.57	0.246	0.97	0.000	0.517	0.87	1.10	0.95
13.90	121.95	0.657	59.55	0.247	0.97	0.000	0.517	0.86	1.10	0.95
13.95	121.94	0.660	59.54	0.249	0.97	0.000	0.517	0.86	1.10	0.95
14.00	121.92	0.663	59.52	0.250	0.97	0.000	0.517	0.86	1.10	0.95
14.05	121.90	0.666	59.50	0.251	0.97	0.000	0.517	0.86	1.10	0.95
14.10	121.89	0.668	59.49	0.253	0.97	0.000	0.517	0.86	1.10	0.95
14.15	121.87	0.671	59.47	0.254	0.97	0.000	0.517	0.86	1.10	0.94
14.20	121.86	0.674	59.46	0.256	0.97	0.000	0.517	0.86	1.10	0.94
14.25	121.84	0.677	59.44	0.257	0.97	0.000	0.517	0.86	1.10	0.94
14.30	121.82	0.680	59.42	0.258	0.97	0.000	0.517	0.86	1.10	0.94
14.35	121.81	0.683	59.41	0.260	0.97	0.000	0.517	0.85	1.10	0.94
14.40	121.79	0.686	59.39	0.261	0.97	0.000	0.517	0.85	1.10	0.94
14.45	121.78	0.689	59.38	0.263	0.97	0.000	0.517	0.85	1.10	0.94
14.50	121.76	0.692	59.36	0.264	0.97	0.000	0.517	0.85	1.10	0.94
14.55	121.74	0.694	59.34	0.265	0.97	0.000	0.517	0.85	1.10	0.93
14.60	121.73	0.697	59.33	0.267	0.97	0.000	0.517	0.85	1.10	0.93
14.65	121.71	0.700	59.31	0.268	0.97	0.000	0.517	0.85	1.10	0.93
14.70	121.70	0.703	59.30	0.270	0.97	0.000	0.517	0.85	1.10	0.93
14.75	121.68	0.706	59.28	0.271	0.97	0.000	0.517	0.85	1.10	0.93
14.80	121.66	0.709	59.26	0.272	0.97	0.000	0.517	0.84	1.10	0.93
14.85	121.65	0.712	59.25	0.274	0.97	0.000	0.517	0.84	1.10	0.93
14.90	121.63	0.715	59.23	0.275	0.97	0.000	0.517	0.84	1.10	0.93
14.95	121.62	0.717	59.22	0.277	0.97	0.000	0.517	0.84	1.10	0.93
15.00	121.60	0.720	59.20	0.278	0.97	0.000	0.517	0.84	1.10	0.92
15.05	121.58	0.723	59.18	0.279	0.96	0.000	0.517	0.84	1.10	0.92

15.10	121.57	0.726	59.17	0.281	0.96	0.000	0.517	0.84	1.10	0.92
15.15	121.55	0.729	59.15	0.282	0.96	0.000	0.517	0.84	1.10	0.92
15.20	121.54	0.732	59.14	0.284	0.96	0.000	0.517	0.84	1.10	0.92
15.25	121.52	0.735	59.12	0.285	0.96	0.000	0.517	0.84	1.10	0.92
15.30	121.50	0.738	59.10	0.286	0.96	0.000	0.517	0.83	1.10	0.92
15.35	121.49	0.740	59.09	0.288	0.96	0.000	0.517	0.83	1.10	0.92
15.40	121.47	0.743	59.07	0.289	0.96	0.000	0.517	0.83	1.10	0.92
15.45	121.46	0.746	59.06	0.291	0.96	0.000	0.517	0.83	1.10	0.92
15.50	121.44	0.749	59.04	0.292	0.96	0.000	0.517	0.83	1.10	0.91
15.55	121.42	0.752	59.02	0.293	0.96	0.000	0.517	0.83	1.10	0.91
15.60	121.41	0.755	59.01	0.295	0.96	0.000	0.517	0.83	1.10	0.91
15.65	121.39	0.758	58.99	0.296	0.96	0.000	0.517	0.83	1.10	0.91
15.70	121.38	0.760	58.98	0.298	0.96	0.000	0.517	0.83	1.10	0.91
15.75	121.36	0.763	58.96	0.299	0.96	0.000	0.517	0.83	1.10	0.91
15.80	121.34	0.766	58.94	0.300	0.96	0.000	0.517	0.83	1.10	0.91
15.85	121.33	0.769	58.93	0.302	0.96	0.000	0.517	0.82	1.10	0.91
15.90	121.31	0.772	58.91	0.303	0.96	0.000	0.517	0.82	1.10	0.91
15.95	121.30	0.775	58.90	0.304	0.96	0.000	0.517	0.82	1.10	0.91
16.00	121.28	0.778	58.88	0.306	0.96	0.000	0.517	0.82	1.10	0.90
16.05	121.26	0.781	58.86	0.307	0.96	0.000	0.517	0.82	1.10	0.90
16.10	121.25	0.783	58.85	0.309	0.96	0.000	0.517	0.82	1.10	0.90
16.15	121.23	0.786	58.83	0.310	0.96	0.000	0.517	0.82	1.10	0.90
16.20	121.22	0.789	58.82	0.311	0.96	0.000	0.517	0.82	1.10	0.90
16.25	121.20	0.792	58.80	0.313	0.96	0.000	0.517	0.82	1.10	0.90
16.30	121.18	0.795	58.78	0.314	0.96	0.000	0.517	0.82	1.10	0.90
16.35	121.17	0.798	58.77	0.316	0.96	0.000	0.517	0.82	1.10	0.90
16.40	121.15	0.801	58.75	0.317	0.96	0.000	0.517	0.82	1.10	0.90
16.45	121.14	0.803	58.74	0.318	0.96	0.000	0.517	0.82	1.10	0.90
16.50	121.12	0.806	58.72	0.320	0.96	0.000	0.517	0.81	1.10	0.90
16.55	121.10	0.809	58.70	0.321	0.96	0.000	0.517	0.81	1.10	0.90
16.60	121.09	0.812	58.69	0.323	0.96	0.000	0.517	0.81	1.10	0.89
16.65	121.07	0.815	58.67	0.324	0.96	0.000	0.517	0.81	1.10	0.89
16.70	121.06	0.818	58.66	0.325	0.96	0.000	0.517	0.81	1.10	0.89
16.75	121.04	0.821	58.64	0.327	0.96	0.000	0.517	0.81	1.10	0.89
16.80	121.02	0.823	58.62	0.328	0.96	0.000	0.517	0.81	1.10	0.89
16.85	121.01	0.826	58.61	0.329	0.96	0.000	0.517	0.81	1.10	0.89
16.90	120.99	0.829	58.59	0.331	0.96	0.000	0.517	0.81	1.10	0.89
16.95	120.98	0.832	58.58	0.332	0.96	0.000	0.517	0.81	1.10	0.89
17.00	120.96	0.835	58.56	0.334	0.96	0.000	0.517	0.81	1.10	0.89
17.05	120.94	0.838	58.54	0.335	0.96	0.000	0.517	0.81	1.10	0.89
17.10	120.93	0.841	58.53	0.336	0.96	0.000	0.517	0.81	1.10	0.89
17.15	120.91	0.843	58.51	0.338	0.96	0.000	0.517	0.81	1.10	0.89
17.20	120.90	0.846	58.50	0.339	0.96	0.000	0.517	0.80	1.10	0.89
17.25	120.88	0.849	58.48	0.341	0.96	0.000	0.517	0.80	1.10	0.88
17.30	120.86	0.852	58.46	0.342	0.96	0.000	0.517	0.80	1.10	0.88
17.35	120.85	0.855	58.45	0.343	0.96	0.000	0.517	0.80	1.10	0.88
17.40	120.83	0.858	58.43	0.345	0.96	0.000	0.517	0.80	1.10	0.88
17.45	120.82	0.861	58.42	0.346	0.96	0.000	0.517	0.80	1.10	0.88
17.50	120.80	0.863	58.40	0.347	0.96	0.000	0.517	0.80	1.10	0.88
17.55	120.82	0.866	58.42	0.349	0.96	0.000	0.517	0.80	1.10	0.88
17.60	120.84	0.869	58.44	0.350	0.96	0.000	0.517	0.80	1.10	0.88
17.65	120.86	0.872	58.46	0.352	0.96	0.000	0.517	0.80	1.10	0.88
17.70	120.88	0.875	58.48	0.353	0.96	0.000	0.517	0.80	1.10	0.88
17.75	120.90	0.878	58.50	0.354	0.96	0.000	0.517	0.80	1.10	0.88
17.80	120.92	0.881	58.52	0.356	0.96	0.000	0.517	0.80	1.10	0.88
17.85	120.94	0.883	58.54	0.357	0.96	0.000	0.517	0.80	1.10	0.88
17.90	120.96	0.886	58.56	0.358	0.96	0.000	0.517	0.80	1.10	0.88
17.95	120.98	0.889	58.58	0.360	0.96	0.000	0.517	0.80	1.10	0.88
18.00	121.00	0.892	58.60	0.361	0.96	0.000	0.517	0.79	1.10	0.87
18.05	121.02	0.895	58.62	0.363	0.96	0.000	0.517	0.79	1.10	0.87
18.10	121.04	0.898	58.64	0.364	0.96	0.000	0.517	0.79	1.10	0.87
18.15	121.06	0.901	58.66	0.365	0.96	0.000	0.517	0.79	1.10	0.87
18.20	121.08	0.903	58.68	0.367	0.96	0.000	0.517	0.79	1.10	0.87
18.25	121.10	0.906	58.70	0.368	0.96	0.000	0.517	0.79	1.10	0.87
18.30	121.12	0.909	58.72	0.370	0.96	0.000	0.517	0.79	1.10	0.87
18.35	121.14	0.912	58.74	0.371	0.96	0.000	0.517	0.79	1.10	0.87
18.40	121.16	0.915	58.76	0.372	0.96	0.000	0.517	0.79	1.10	0.87
18.45	121.18	0.918	58.78	0.374	0.96	0.000	0.517	0.79	1.10	0.87
18.50	121.20	0.921	58.80	0.375	0.96	0.000	0.517	0.79	1.10	0.87
18.55	121.22	0.924	58.82	0.377	0.96	0.000	0.517	0.79	1.10	0.87
18.60	121.24	0.926	58.84	0.378	0.96	0.000	0.517	0.79	1.10	0.87
18.65	121.26	0.929	58.86	0.379	0.96	0.000	0.517	0.79	1.10	0.87
18.70	121.28	0.932	58.88	0.381	0.96	0.000	0.517	0.79	1.10	0.87

18.75	121.30	0.935	58.90	0.382	0.96	0.000	0.517	0.79	1.10	0.87
18.80	121.32	0.938	58.92	0.383	0.96	0.000	0.517	0.79	1.10	0.86
18.85	121.34	0.941	58.94	0.385	0.96	0.000	0.517	0.79	1.10	0.86
18.90	121.36	0.944	58.96	0.386	0.96	0.000	0.517	0.78	1.10	0.86
18.95	121.38	0.946	58.98	0.388	0.96	0.000	0.517	0.78	1.10	0.86
19.00	121.40	0.949	59.00	0.389	0.96	0.000	0.517	0.78	1.10	0.86
19.05	121.42	0.952	59.02	0.390	0.96	0.000	0.517	0.78	1.10	0.86
19.10	121.44	0.955	59.04	0.392	0.96	0.000	0.517	0.78	1.10	0.86
19.15	121.46	0.958	59.06	0.393	0.96	0.000	0.517	0.78	1.10	0.86
19.20	121.48	0.961	59.08	0.395	0.96	0.000	0.517	0.78	1.10	0.86
19.25	121.50	0.964	59.10	0.396	0.96	0.000	0.517	0.78	1.10	0.86
19.30	121.52	0.967	59.12	0.397	0.96	0.000	0.517	0.78	1.10	0.86
19.35	121.54	0.969	59.14	0.399	0.95	0.000	0.517	0.78	1.10	0.86
19.40	121.56	0.972	59.16	0.400	0.95	0.000	0.517	0.78	1.10	0.86
19.45	121.58	0.975	59.18	0.402	0.95	0.000	0.517	0.78	1.10	0.86
19.50	121.60	0.978	59.20	0.403	0.95	0.000	0.517	0.78	1.10	0.86
19.55	121.62	0.981	59.22	0.404	0.95	0.000	0.517	0.78	1.10	0.86
19.60	121.64	0.984	59.24	0.406	0.95	0.000	0.517	0.78	1.10	0.86
19.65	121.66	0.987	59.26	0.407	0.95	0.000	0.517	0.78	1.10	0.85
19.70	121.68	0.989	59.28	0.409	0.95	0.000	0.517	0.78	1.10	0.85
19.75	121.70	0.992	59.30	0.410	0.95	0.000	0.517	0.78	1.10	0.85
19.80	121.72	0.995	59.32	0.411	0.95	0.000	0.517	0.78	1.10	0.85
19.85	121.74	0.998	59.34	0.413	0.95	0.000	0.517	0.77	1.10	0.85
19.90	121.76	1.001	59.36	0.414	0.95	0.000	0.517	0.77	1.10	0.85
19.95	121.78	1.004	59.38	0.416	0.95	0.000	0.517	0.77	1.10	0.85
20.00	121.80	1.007	59.40	0.417	0.95	0.000	0.517	0.77	1.10	0.85
20.05	121.82	1.010	59.42	0.418	0.95	0.000	0.517	0.77	1.10	0.85
20.10	121.84	1.013	59.44	0.420	0.95	0.000	0.517	0.77	1.10	0.85
20.15	121.86	1.015	59.46	0.421	0.95	0.000	0.517	0.77	1.10	0.85
20.20	121.88	1.018	59.48	0.423	0.95	0.000	0.517	0.77	1.10	0.85
20.25	121.90	1.021	59.50	0.424	0.95	0.000	0.517	0.77	1.10	0.85
20.30	121.92	1.024	59.52	0.425	0.95	0.000	0.517	0.77	1.10	0.85
20.35	121.94	1.027	59.54	0.427	0.95	0.000	0.517	0.77	1.10	0.85
20.40	121.96	1.030	59.56	0.428	0.95	0.000	0.517	0.77	1.10	0.85
20.45	121.98	1.033	59.58	0.430	0.95	0.000	0.517	0.77	1.10	0.85
20.50	122.00	1.036	59.60	0.431	0.95	0.000	0.517	0.77	1.10	0.85
20.55	122.02	1.038	59.62	0.432	0.95	0.000	0.517	0.77	1.10	0.85
20.60	122.04	1.041	59.64	0.434	0.95	0.000	0.517	0.77	1.10	0.84
20.65	122.06	1.044	59.66	0.435	0.95	0.000	0.517	0.77	1.10	0.84
20.70	122.08	1.047	59.68	0.437	0.95	0.000	0.517	0.77	1.10	0.84
20.75	122.10	1.050	59.70	0.438	0.95	0.000	0.517	0.77	1.10	0.84
20.80	122.12	1.053	59.72	0.440	0.95	0.000	0.517	0.77	1.10	0.84
20.85	122.14	1.056	59.74	0.441	0.95	0.000	0.517	0.77	1.10	0.84
20.90	122.16	1.059	59.76	0.442	0.95	0.000	0.517	0.77	1.10	0.84
20.95	122.18	1.062	59.78	0.444	0.95	0.000	0.517	0.76	1.10	0.84
21.00	122.20	1.064	59.80	0.445	0.95	0.000	0.517	0.76	1.10	0.84
21.05	122.22	1.067	59.82	0.447	0.95	0.000	0.517	0.76	1.10	0.84
21.10	122.24	1.070	59.84	0.448	0.95	0.000	0.517	0.76	1.10	0.84
21.15	122.26	1.073	59.86	0.449	0.95	0.000	0.517	0.76	1.10	0.84
21.20	122.28	1.076	59.88	0.451	0.95	0.000	0.517	0.76	1.10	0.84
21.25	122.30	1.079	59.90	0.452	0.95	0.000	0.517	0.76	1.10	0.84
21.30	122.32	1.082	59.92	0.454	0.95	0.000	0.517	0.76	1.10	0.84
21.35	122.34	1.085	59.94	0.455	0.95	0.000	0.517	0.76	1.10	0.84
21.40	122.36	1.088	59.96	0.456	0.95	0.000	0.517	0.76	1.10	0.84
21.45	122.38	1.090	59.98	0.458	0.95	0.000	0.517	0.76	1.10	0.84
21.50	122.40	1.093	60.00	0.459	0.95	0.000	0.517	0.76	1.10	0.84
21.55	122.42	1.096	60.02	0.461	0.95	0.000	0.517	0.76	1.10	0.84
21.60	122.44	1.099	60.04	0.462	0.95	0.000	0.517	0.76	1.10	0.83
21.65	122.46	1.102	60.06	0.464	0.95	0.000	0.517	0.76	1.10	0.83
21.70	122.48	1.105	60.08	0.465	0.95	0.000	0.517	0.76	1.10	0.83
21.75	122.50	1.108	60.10	0.466	0.95	0.000	0.517	0.76	1.10	0.83
21.80	122.52	1.111	60.12	0.468	0.95	0.000	0.517	0.76	1.10	0.83
21.85	122.54	1.114	60.14	0.469	0.95	0.000	0.517	0.76	1.10	0.83
21.90	122.56	1.116	60.16	0.471	0.95	0.000	0.517	0.76	1.10	0.83
21.95	122.58	1.119	60.18	0.472	0.95	0.000	0.517	0.76	1.10	0.83
22.00	122.60	1.122	60.20	0.474	0.95	0.000	0.517	0.76	1.10	0.83
22.05	122.62	1.125	60.22	0.475	0.95	0.000	0.517	0.76	1.10	0.83
22.10	122.64	1.128	60.24	0.476	0.95	0.000	0.517	0.75	1.10	0.83
22.15	122.66	1.131	60.26	0.478	0.95	0.000	0.517	0.75	1.10	0.83
22.20	122.68	1.134	60.28	0.479	0.95	0.000	0.517	0.75	1.10	0.83
22.25	122.70	1.137	60.30	0.481	0.95	0.000	0.517	0.75	1.10	0.83
22.30	122.72	1.140	60.32	0.482	0.95	0.000	0.517	0.75	1.10	0.83
22.35	122.74	1.143	60.34	0.483	0.95	0.000	0.517	0.75	1.10	0.83

22.40	122.76	1.145	60.36	0.485	0.95	0.000	0.517	0.75	1.10	0.83
22.45	122.78	1.148	60.38	0.486	0.95	0.000	0.517	0.75	1.10	0.83
22.50	122.80	1.151	60.40	0.488	0.95	0.000	0.517	0.75	1.10	0.83
22.55	122.80	1.154	60.40	0.489	0.95	0.000	0.517	0.75	1.10	0.83
22.60	122.79	1.157	60.39	0.491	0.95	0.000	0.517	0.75	1.10	0.83
22.65	122.79	1.160	60.39	0.492	0.95	0.000	0.517	0.75	1.10	0.83
22.70	122.78	1.163	60.38	0.493	0.95	0.000	0.517	0.75	1.10	0.82
22.75	122.78	1.166	60.38	0.495	0.95	0.000	0.517	0.75	1.10	0.82
22.80	122.77	1.169	60.37	0.496	0.95	0.000	0.517	0.75	1.10	0.82
22.85	122.77	1.172	60.37	0.498	0.95	0.000	0.517	0.75	1.10	0.82
22.90	122.76	1.174	60.36	0.499	0.95	0.000	0.517	0.75	1.10	0.82
22.95	122.76	1.177	60.36	0.501	0.95	0.000	0.517	0.75	1.10	0.82
23.00	122.75	1.180	60.35	0.502	0.95	0.000	0.517	0.75	1.10	0.82
23.05	122.75	1.183	60.35	0.503	0.95	0.000	0.517	0.75	1.10	0.82
23.10	122.74	1.186	60.34	0.505	0.95	0.000	0.517	0.75	1.10	0.82
23.15	122.74	1.189	60.34	0.506	0.95	0.000	0.517	0.75	1.10	0.82
23.20	122.73	1.192	60.33	0.508	0.95	0.000	0.517	0.75	1.10	0.82
23.25	122.73	1.195	60.33	0.509	0.95	0.000	0.517	0.75	1.10	0.82
23.30	122.72	1.198	60.32	0.511	0.95	0.000	0.517	0.75	1.10	0.82
23.35	122.72	1.201	60.32	0.512	0.95	0.000	0.517	0.75	1.10	0.82
23.40	122.71	1.203	60.31	0.513	0.95	0.000	0.517	0.74	1.10	0.82
23.45	122.71	1.206	60.31	0.515	0.95	0.000	0.517	0.74	1.10	0.82
23.50	122.70	1.209	60.30	0.516	0.95	0.000	0.517	0.74	1.10	0.82
23.55	122.70	1.212	60.30	0.518	0.95	0.000	0.517	0.74	1.10	0.82
23.60	122.69	1.215	60.29	0.519	0.94	0.000	0.517	0.74	1.10	0.82
23.65	122.69	1.218	60.29	0.521	0.94	0.000	0.517	0.74	1.10	0.82
23.70	122.68	1.221	60.28	0.522	0.94	0.000	0.517	0.74	1.10	0.82
23.75	122.68	1.224	60.28	0.523	0.94	0.000	0.517	0.74	1.10	0.82
23.80	122.67	1.227	60.27	0.525	0.94	0.000	0.517	0.74	1.10	0.82
23.85	122.67	1.230	60.27	0.526	0.94	0.000	0.517	0.74	1.10	0.82
23.90	122.66	1.232	60.26	0.528	0.94	0.000	0.517	0.74	1.10	0.82
23.95	122.66	1.235	60.26	0.529	0.94	0.000	0.517	0.74	1.10	0.81
24.00	122.65	1.238	60.25	0.531	0.94	0.000	0.517	0.74	1.10	0.81
24.05	122.65	1.241	60.25	0.532	0.94	0.000	0.517	0.74	1.10	0.81
24.10	122.64	1.244	60.24	0.533	0.94	0.000	0.517	0.74	1.10	0.81
24.15	122.64	1.247	60.24	0.535	0.94	0.000	0.517	0.74	1.10	0.81
24.20	122.63	1.250	60.23	0.536	0.94	0.000	0.517	0.74	1.10	0.81
24.25	122.63	1.253	60.23	0.538	0.94	0.000	0.517	0.74	1.10	0.81
24.30	122.62	1.256	60.22	0.539	0.94	0.000	0.517	0.74	1.10	0.81
24.35	122.62	1.258	60.22	0.540	0.94	0.000	0.517	0.74	1.10	0.81
24.40	122.61	1.261	60.21	0.542	0.94	0.000	0.517	0.74	1.10	0.81
24.45	122.61	1.264	60.21	0.543	0.94	0.000	0.517	0.74	1.10	0.81
24.50	122.60	1.267	60.20	0.545	0.94	0.000	0.517	0.74	1.10	0.81
24.55	122.60	1.270	60.20	0.546	0.94	0.000	0.517	0.74	1.10	0.81
24.60	122.59	1.273	60.19	0.548	0.94	0.000	0.517	0.74	1.10	0.81
24.65	122.59	1.276	60.19	0.549	0.94	0.000	0.517	0.74	1.10	0.81
24.70	122.58	1.279	60.18	0.550	0.94	0.000	0.517	0.74	1.10	0.81
24.75	122.58	1.282	60.18	0.552	0.94	0.000	0.517	0.74	1.10	0.81
24.80	122.57	1.285	60.17	0.553	0.94	0.000	0.517	0.74	1.10	0.81
24.85	122.57	1.287	60.17	0.555	0.94	0.000	0.517	0.73	1.10	0.81
24.90	122.56	1.290	60.16	0.556	0.94	0.000	0.517	0.73	1.10	0.81
24.95	122.56	1.293	60.16	0.558	0.94	0.000	0.517	0.73	1.10	0.81
25.00	122.55	1.296	60.15	0.559	0.94	0.000	0.517	0.73	1.10	0.81
25.05	122.55	1.299	60.15	0.560	0.94	0.000	0.517	0.73	1.10	0.81
25.10	122.54	1.302	60.14	0.562	0.94	0.000	0.517	0.73	1.10	0.81
25.15	122.54	1.305	60.14	0.563	0.94	0.000	0.517	0.73	1.10	0.81
25.20	122.53	1.308	60.13	0.565	0.94	0.000	0.517	0.73	1.10	0.81
25.25	122.53	1.311	60.13	0.566	0.94	0.000	0.517	0.73	1.10	0.81
25.30	122.52	1.314	60.12	0.568	0.94	0.000	0.517	0.73	1.10	0.81
25.35	122.52	1.316	60.12	0.569	0.94	0.000	0.517	0.73	1.10	0.80
25.40	122.51	1.319	60.11	0.570	0.94	0.000	0.517	0.73	1.10	0.80
25.45	122.51	1.322	60.11	0.572	0.94	0.000	0.517	0.73	1.10	0.80
25.50	122.50	1.325	60.10	0.573	0.94	0.000	0.517	0.73	1.10	0.80
25.55	122.50	1.328	60.10	0.575	0.94	0.000	0.517	0.73	1.10	0.80
25.60	122.49	1.331	60.09	0.576	0.94	0.000	0.517	0.73	1.10	0.80
25.65	122.49	1.334	60.09	0.577	0.94	0.000	0.517	0.73	1.10	0.80
25.70	122.48	1.337	60.08	0.579	0.94	0.000	0.517	0.73	1.10	0.80
25.75	122.48	1.340	60.08	0.580	0.94	0.000	0.517	0.73	1.10	0.80
25.80	122.47	1.342	60.07	0.582	0.94	0.000	0.517	0.73	1.10	0.80
25.85	122.47	1.345	60.07	0.583	0.94	0.000	0.517	0.73	1.10	0.80
25.90	122.46	1.348	60.06	0.585	0.94	0.000	0.517	0.73	1.10	0.80
25.95	122.46	1.351	60.06	0.586	0.94	0.000	0.517	0.73	1.10	0.80
26.00	122.45	1.354	60.05	0.587	0.94	0.000	0.517	0.73	1.10	0.80

26.05	122.45	1.357	60.05	0.589	0.94	0.000	0.517	0.73	1.10	0.80
26.10	122.44	1.360	60.04	0.590	0.94	0.000	0.517	0.73	1.10	0.80
26.15	122.44	1.363	60.04	0.592	0.94	0.000	0.517	0.73	1.10	0.80
26.20	122.43	1.366	60.03	0.593	0.94	0.000	0.517	0.73	1.10	0.80
26.25	122.43	1.368	60.03	0.594	0.94	0.000	0.517	0.73	1.10	0.80
26.30	122.42	1.371	60.02	0.596	0.94	0.000	0.517	0.73	1.10	0.80
26.35	122.42	1.374	60.02	0.597	0.94	0.000	0.517	0.73	1.10	0.80
26.40	122.41	1.377	60.01	0.599	0.94	0.000	0.517	0.73	1.10	0.80
26.45	122.41	1.380	60.01	0.600	0.94	0.000	0.517	0.73	1.10	0.80
26.50	122.40	1.383	60.00	0.602	0.94	0.000	0.517	0.72	1.10	0.80
26.55	122.40	1.386	60.00	0.603	0.94	0.000	0.517	0.72	1.10	0.80
26.60	122.39	1.389	59.99	0.604	0.94	0.000	0.517	0.72	1.10	0.80
26.65	122.39	1.392	59.99	0.606	0.94	0.000	0.517	0.72	1.10	0.80
26.70	122.38	1.395	59.98	0.607	0.94	0.000	0.517	0.72	1.10	0.80
26.75	122.38	1.397	59.98	0.609	0.94	0.000	0.517	0.72	1.10	0.80
26.80	122.37	1.400	59.97	0.610	0.94	0.000	0.517	0.72	1.10	0.80
26.85	122.37	1.403	59.97	0.611	0.94	0.000	0.517	0.72	1.10	0.80
26.90	122.36	1.406	59.96	0.613	0.94	0.000	0.517	0.72	1.10	0.79
26.95	122.36	1.409	59.96	0.614	0.94	0.000	0.517	0.72	1.10	0.79
27.00	122.35	1.412	59.95	0.616	0.94	0.000	0.517	0.72	1.10	0.79
27.05	122.35	1.415	59.95	0.617	0.94	0.000	0.517	0.72	1.10	0.79
27.10	122.34	1.418	59.94	0.619	0.94	0.000	0.517	0.72	1.10	0.79
27.15	122.34	1.421	59.94	0.620	0.94	0.000	0.517	0.72	1.10	0.79
27.20	122.33	1.423	59.93	0.621	0.94	0.000	0.517	0.72	1.10	0.79
27.25	122.33	1.426	59.93	0.623	0.94	0.000	0.517	0.72	1.10	0.79
27.30	122.32	1.429	59.92	0.624	0.94	0.000	0.517	0.72	1.10	0.79
27.35	122.32	1.432	59.92	0.626	0.94	0.000	0.517	0.72	1.10	0.79
27.40	122.31	1.435	59.91	0.627	0.94	0.000	0.517	0.72	1.10	0.79
27.45	122.31	1.438	59.91	0.628	0.94	0.000	0.517	0.72	1.10	0.79
27.50	122.30	1.441	59.90	0.630	0.94	0.000	0.517	0.72	1.10	0.79
27.55	122.29	1.444	59.89	0.631	0.94	0.000	0.517	0.72	1.10	0.79
27.60	122.27	1.447	59.87	0.633	0.94	0.000	0.517	0.72	1.10	0.79
27.65	122.26	1.449	59.86	0.634	0.94	0.000	0.517	0.72	1.10	0.79
27.70	122.25	1.452	59.85	0.636	0.94	0.000	0.517	0.72	1.10	0.79
27.75	122.24	1.455	59.84	0.637	0.94	0.000	0.517	0.72	1.10	0.79
27.80	122.22	1.458	59.82	0.638	0.94	0.000	0.517	0.72	1.10	0.79
27.85	122.21	1.461	59.81	0.640	0.94	0.000	0.517	0.72	1.10	0.79
27.90	122.20	1.464	59.80	0.641	0.93	0.000	0.517	0.72	1.10	0.79
27.95	122.18	1.467	59.78	0.643	0.93	0.000	0.517	0.72	1.10	0.79
28.00	122.17	1.470	59.77	0.644	0.93	0.000	0.517	0.72	1.10	0.79
28.05	122.16	1.473	59.76	0.645	0.93	0.000	0.517	0.72	1.10	0.79
28.10	122.14	1.475	59.74	0.647	0.93	0.000	0.517	0.72	1.10	0.79
28.15	122.13	1.478	59.73	0.648	0.93	0.000	0.517	0.72	1.10	0.79
28.20	122.12	1.481	59.72	0.650	0.93	0.000	0.517	0.72	1.10	0.79
28.25	122.11	1.484	59.71	0.651	0.93	0.000	0.517	0.72	1.10	0.79
28.30	122.09	1.487	59.69	0.652	0.93	0.000	0.517	0.72	1.10	0.79
28.35	122.08	1.490	59.68	0.654	0.93	0.000	0.517	0.72	1.10	0.79
28.40	122.07	1.493	59.67	0.655	0.93	0.000	0.517	0.71	1.10	0.79
28.45	122.05	1.496	59.65	0.657	0.93	0.000	0.517	0.71	1.10	0.79
28.50	122.04	1.499	59.64	0.658	0.93	0.000	0.517	0.71	1.10	0.79
28.55	122.03	1.501	59.63	0.660	0.93	0.000	0.517	0.71	1.10	0.79
28.60	122.01	1.504	59.61	0.661	0.93	0.000	0.517	0.71	1.10	0.79
28.65	122.00	1.507	59.60	0.662	0.93	0.000	0.517	0.71	1.10	0.78
28.70	121.99	1.510	59.59	0.664	0.93	0.000	0.517	0.71	1.10	0.78
28.75	121.98	1.513	59.58	0.665	0.93	0.000	0.517	0.71	1.10	0.78
28.80	121.96	1.516	59.56	0.667	0.93	0.000	0.517	0.71	1.10	0.78
28.85	121.95	1.519	59.55	0.668	0.93	0.000	0.517	0.71	1.10	0.78
28.90	121.94	1.522	59.54	0.669	0.93	0.000	0.517	0.71	1.10	0.78
28.95	121.92	1.524	59.52	0.671	0.93	0.000	0.517	0.71	1.10	0.78
29.00	121.91	1.527	59.51	0.672	0.93	0.000	0.517	0.71	1.10	0.78
29.05	121.90	1.530	59.50	0.674	0.93	0.000	0.517	0.71	1.10	0.78
29.10	121.88	1.533	59.48	0.675	0.93	0.000	0.517	0.71	1.10	0.78
29.15	121.87	1.536	59.47	0.676	0.93	0.000	0.517	0.71	1.10	0.78
29.20	121.86	1.539	59.46	0.678	0.93	0.000	0.517	0.71	1.10	0.78
29.25	121.85	1.542	59.45	0.679	0.93	0.000	0.517	0.71	1.10	0.78
29.30	121.83	1.545	59.43	0.681	0.93	0.000	0.517	0.71	1.10	0.78
29.35	121.82	1.547	59.42	0.682	0.93	0.000	0.517	0.71	1.10	0.78
29.40	121.81	1.550	59.41	0.683	0.93	0.000	0.517	0.71	1.10	0.78
29.45	121.79	1.553	59.39	0.685	0.93	0.000	0.517	0.71	1.10	0.78
29.50	121.78	1.556	59.38	0.686	0.93	0.000	0.517	0.71	1.10	0.78
29.55	121.77	1.559	59.37	0.688	0.93	0.000	0.517	0.71	1.10	0.78
29.60	121.75	1.562	59.35	0.689	0.93	0.000	0.517	0.71	1.10	0.78
29.65	121.74	1.565	59.34	0.690	0.93	0.000	0.517	0.71	1.10	0.78

29.70	121.73	1.568	59.33	0.692	0.93	0.000	0.517	0.71	1.10	0.78
29.75	121.72	1.571	59.32	0.693	0.93	0.000	0.517	0.71	1.10	0.78
29.80	121.70	1.573	59.30	0.695	0.93	0.000	0.517	0.71	1.10	0.78
29.85	121.69	1.576	59.29	0.696	0.93	0.000	0.517	0.71	1.10	0.78
29.90	121.68	1.579	59.28	0.697	0.93	0.000	0.517	0.71	1.10	0.78
29.95	121.66	1.582	59.26	0.699	0.93	0.000	0.517	0.71	1.10	0.78
30.00	121.65	1.585	59.25	0.700	0.93	0.000	0.517	0.71	1.10	0.78
30.05	121.64	1.588	59.24	0.702	0.93	0.000	0.517	0.71	1.10	0.78
30.10	121.62	1.591	59.22	0.703	0.93	0.000	0.517	0.71	1.10	0.78
30.15	121.61	1.594	59.21	0.704	0.93	0.000	0.517	0.71	1.10	0.78
30.20	121.60	1.596	59.20	0.706	0.93	0.000	0.517	0.71	1.10	0.78
30.25	121.59	1.599	59.19	0.707	0.93	0.000	0.517	0.71	1.10	0.78
30.30	121.57	1.602	59.17	0.709	0.93	0.000	0.517	0.70	1.10	0.78
30.35	121.56	1.605	59.16	0.710	0.93	0.000	0.517	0.70	1.10	0.77
30.40	121.55	1.608	59.15	0.711	0.93	0.000	0.517	0.70	1.10	0.77
30.45	121.53	1.611	59.13	0.713	0.93	0.000	0.517	0.70	1.10	0.77
30.50	121.52	1.614	59.12	0.714	0.93	0.000	0.517	0.70	1.10	0.77
30.55	121.51	1.616	59.11	0.716	0.93	0.000	0.517	0.70	1.10	0.77
30.60	121.49	1.619	59.09	0.717	0.92	0.000	0.517	0.70	1.10	0.77
30.65	121.48	1.622	59.08	0.718	0.92	0.000	0.517	0.70	1.10	0.77
30.70	121.47	1.625	59.07	0.720	0.92	0.000	0.517	0.70	1.10	0.77
30.75	121.46	1.628	59.06	0.721	0.92	0.000	0.517	0.70	1.10	0.77
30.80	121.44	1.631	59.04	0.723	0.92	0.000	0.517	0.70	1.10	0.77
30.85	121.43	1.634	59.03	0.724	0.92	0.000	0.517	0.70	1.10	0.77
30.90	121.42	1.637	59.02	0.725	0.92	0.000	0.517	0.70	1.10	0.77
30.95	121.40	1.639	59.00	0.727	0.92	0.000	0.517	0.70	1.10	0.77
31.00	121.39	1.642	58.99	0.728	0.92	0.000	0.517	0.70	1.10	0.77
31.05	121.38	1.645	58.98	0.730	0.92	0.000	0.517	0.70	1.10	0.77
31.10	121.36	1.648	58.96	0.731	0.92	0.000	0.517	0.70	1.10	0.77
31.15	121.35	1.651	58.95	0.732	0.92	0.000	0.517	0.70	1.10	0.77
31.20	121.34	1.654	58.94	0.734	0.92	0.000	0.517	0.70	1.10	0.77
31.25	121.33	1.657	58.93	0.735	0.92	0.000	0.517	0.70	1.10	0.77
31.30	121.31	1.660	58.91	0.737	0.92	0.000	0.517	0.70	1.10	0.77
31.35	121.30	1.662	58.90	0.738	0.92	0.000	0.517	0.70	1.10	0.77
31.40	121.29	1.665	58.89	0.739	0.92	0.000	0.517	0.70	1.10	0.76
31.45	121.27	1.668	58.87	0.741	0.92	0.000	0.517	0.69	1.10	0.76
31.50	121.26	1.671	58.86	0.742	0.92	0.000	0.517	0.69	1.10	0.76
31.55	121.25	1.674	58.85	0.744	0.92	0.000	0.517	0.69	1.10	0.76
31.60	121.23	1.677	58.83	0.745	0.92	0.000	0.517	0.69	1.10	0.76
31.65	121.22	1.680	58.82	0.746	0.92	0.000	0.517	0.69	1.10	0.76
31.70	121.21	1.682	58.81	0.748	0.92	0.000	0.517	0.69	1.10	0.76
31.75	121.20	1.685	58.80	0.749	0.92	0.000	0.517	0.69	1.10	0.76
31.80	121.18	1.688	58.78	0.750	0.92	0.000	0.517	0.69	1.10	0.76
31.85	121.17	1.691	58.77	0.752	0.91	0.000	0.517	0.69	1.10	0.76
31.90	121.16	1.694	58.76	0.753	0.91	0.000	0.517	0.69	1.10	0.76
31.95	121.14	1.697	58.74	0.755	0.91	0.000	0.517	0.69	1.10	0.76
32.00	121.13	1.700	58.73	0.756	0.91	0.000	0.517	0.69	1.10	0.76
32.05	121.12	1.702	58.72	0.757	0.91	0.000	0.517	0.69	1.10	0.76
32.10	121.10	1.705	58.70	0.759	0.91	0.000	0.517	0.69	1.10	0.76
32.15	121.09	1.708	58.69	0.760	0.91	0.000	0.517	0.69	1.10	0.76
32.20	121.08	1.711	58.68	0.762	0.91	0.000	0.517	0.69	1.10	0.76
32.25	121.07	1.714	58.67	0.763	0.91	0.000	0.517	0.69	1.10	0.76
32.30	121.05	1.717	58.65	0.764	0.91	0.000	0.517	0.69	1.10	0.76
32.35	121.04	1.720	58.64	0.766	0.91	0.000	0.517	0.69	1.10	0.76
32.40	121.03	1.723	58.63	0.767	0.91	0.000	0.517	0.69	1.10	0.76
32.45	121.01	1.725	58.61	0.769	0.91	0.000	0.517	0.69	1.10	0.76
32.50	121.00	1.728	58.60	0.770	0.91	0.000	0.517	0.69	1.10	0.75
32.55	121.03	1.731	58.63	0.771	0.91	0.000	0.517	0.69	1.10	0.75
32.60	121.07	1.734	58.67	0.773	0.91	0.000	0.517	0.69	1.10	0.75
32.65	121.10	1.737	58.70	0.774	0.91	0.000	0.517	0.68	1.10	0.75
32.70	121.13	1.740	58.73	0.775	0.91	0.000	0.517	0.68	1.10	0.75
32.75	121.16	1.743	58.76	0.777	0.91	0.000	0.517	0.68	1.10	0.75
32.80	121.20	1.745	58.80	0.778	0.91	0.000	0.517	0.68	1.10	0.75
32.85	121.23	1.748	58.83	0.780	0.91	0.000	0.517	0.68	1.10	0.75
32.90	121.26	1.751	58.86	0.781	0.91	0.000	0.517	0.68	1.10	0.75
32.95	121.30	1.754	58.90	0.782	0.91	0.000	0.517	0.68	1.10	0.75
33.00	121.33	1.757	58.93	0.784	0.91	0.000	0.517	0.68	1.10	0.75
33.05	121.36	1.760	58.96	0.785	0.91	0.000	0.517	0.68	1.10	0.75
33.10	121.40	1.763	59.00	0.787	0.90	0.000	0.517	0.68	1.10	0.75
33.15	121.43	1.765	59.03	0.788	0.90	0.000	0.517	0.68	1.10	0.75
33.20	121.46	1.768	59.06	0.789	0.90	0.000	0.517	0.68	1.10	0.75
33.25	121.49	1.771	59.09	0.791	0.90	0.000	0.517	0.68	1.10	0.75
33.30	121.53	1.774	59.13	0.792	0.90	0.000	0.517	0.68	1.10	0.75

33.35	121.56	1.777	59.16	0.794	0.90	0.000	0.517	0.68	1.10	0.75
33.40	121.59	1.780	59.19	0.795	0.90	0.000	0.517	0.68	1.10	0.75
33.45	121.63	1.783	59.23	0.796	0.90	0.000	0.517	0.68	1.10	0.75
33.50	121.66	1.786	59.26	0.798	0.90	0.000	0.517	0.68	1.10	0.75
33.55	121.69	1.788	59.29	0.799	0.90	0.000	0.517	0.68	1.10	0.75
33.60	121.73	1.791	59.33	0.801	0.90	0.000	0.517	0.68	1.10	0.74
33.65	121.76	1.794	59.36	0.802	0.90	0.000	0.517	0.68	1.10	0.74
33.70	121.79	1.797	59.39	0.803	0.90	0.000	0.517	0.68	1.10	0.74
33.75	121.82	1.800	59.42	0.805	0.90	0.000	0.517	0.68	1.10	0.74
33.80	121.86	1.803	59.46	0.806	0.90	0.000	0.517	0.68	1.10	0.74
33.85	121.89	1.806	59.49	0.808	0.90	0.000	0.517	0.68	1.10	0.74
33.90	121.92	1.809	59.52	0.809	0.90	0.000	0.517	0.67	1.10	0.74
33.95	121.96	1.811	59.56	0.810	0.90	0.000	0.517	0.67	1.10	0.74
34.00	121.99	1.814	59.59	0.812	0.90	0.000	0.517	0.67	1.10	0.74
34.05	122.02	1.817	59.62	0.813	0.90	0.000	0.517	0.67	1.10	0.74
34.10	122.06	1.820	59.66	0.815	0.90	0.000	0.517	0.67	1.10	0.74
34.15	122.09	1.823	59.69	0.816	0.90	0.000	0.517	0.67	1.10	0.74
34.20	122.12	1.826	59.72	0.817	0.90	0.000	0.517	0.67	1.10	0.74
34.25	122.15	1.829	59.75	0.819	0.90	0.000	0.517	0.67	1.10	0.74
34.30	122.19	1.832	59.79	0.820	0.89	0.000	0.517	0.67	1.10	0.74
34.35	122.22	1.835	59.82	0.822	0.89	0.000	0.517	0.67	1.10	0.74
34.40	122.25	1.837	59.85	0.823	0.89	0.000	0.517	0.67	1.10	0.74
34.45	122.29	1.840	59.89	0.824	0.89	0.000	0.517	0.67	1.10	0.74
34.50	122.32	1.843	59.92	0.826	0.89	0.000	0.517	0.67	1.10	0.74
34.55	122.35	1.846	59.95	0.827	0.89	0.000	0.517	0.67	1.10	0.74
34.60	122.39	1.849	59.99	0.829	0.89	0.000	0.517	0.67	1.10	0.74
34.65	122.42	1.852	60.02	0.830	0.89	0.000	0.517	0.67	1.10	0.74
34.70	122.45	1.855	60.05	0.832	0.89	0.000	0.517	0.67	1.10	0.74
34.75	122.48	1.858	60.08	0.833	0.89	0.000	0.517	0.67	1.10	0.73
34.80	122.52	1.861	60.12	0.834	0.89	0.000	0.517	0.67	1.10	0.73
34.85	122.55	1.863	60.15	0.836	0.89	0.000	0.517	0.67	1.10	0.73
34.90	122.58	1.866	60.18	0.837	0.89	0.000	0.517	0.67	1.10	0.73
34.95	122.62	1.869	60.22	0.839	0.89	0.000	0.517	0.67	1.10	0.73
35.00	122.65	1.872	60.25	0.840	0.89	0.000	0.517	0.67	1.10	0.73
35.05	122.68	1.875	60.28	0.842	0.89	0.000	0.517	0.67	1.10	0.73
35.10	122.72	1.878	60.32	0.843	0.89	0.000	0.517	0.67	1.10	0.73
35.15	122.75	1.881	60.35	0.844	0.89	0.000	0.517	0.66	1.10	0.73
35.20	122.78	1.884	60.38	0.846	0.89	0.000	0.517	0.66	1.10	0.73
35.25	122.81	1.887	60.41	0.847	0.89	0.000	0.517	0.66	1.10	0.73
35.30	122.85	1.890	60.45	0.849	0.89	0.000	0.517	0.66	1.10	0.73
35.35	122.88	1.892	60.48	0.850	0.89	0.000	0.517	0.66	1.10	0.73
35.40	122.91	1.895	60.51	0.851	0.89	0.000	0.517	0.66	1.10	0.73
35.45	122.95	1.898	60.55	0.853	0.89	0.000	0.517	0.66	1.10	0.73
35.50	122.98	1.901	60.58	0.854	0.89	0.000	0.517	0.66	1.10	0.73
35.55	123.01	1.904	60.61	0.856	0.88	0.000	0.517	0.66	1.10	0.73
35.60	123.05	1.907	60.65	0.857	0.88	0.000	0.517	0.66	1.10	0.73
35.65	123.08	1.910	60.68	0.859	0.88	0.000	0.517	0.66	1.10	0.73
35.70	123.11	1.913	60.71	0.860	0.88	0.000	0.517	0.66	1.10	0.73
35.75	123.14	1.916	60.74	0.862	0.88	0.000	0.517	0.66	1.10	0.73
35.80	123.18	1.919	60.78	0.863	0.88	0.000	0.517	0.66	1.10	0.73
35.85	123.21	1.921	60.81	0.864	0.88	0.000	0.517	0.66	1.10	0.72
35.90	123.24	1.924	60.84	0.866	0.88	0.000	0.517	0.66	1.10	0.72
35.95	123.28	1.927	60.88	0.867	0.88	0.000	0.517	0.66	1.10	0.72
36.00	123.31	1.930	60.91	0.869	0.88	0.000	0.517	0.66	1.10	0.72
36.05	123.34	1.933	60.94	0.870	0.88	0.000	0.517	0.66	1.10	0.72
36.10	123.38	1.936	60.98	0.872	0.88	0.000	0.517	0.66	1.10	0.72
36.15	123.41	1.939	61.01	0.873	0.88	0.000	0.517	0.66	1.10	0.72
36.20	123.44	1.942	61.04	0.874	0.88	0.000	0.517	0.66	1.10	0.72
36.25	123.47	1.945	61.07	0.876	0.88	0.000	0.517	0.66	1.10	0.72
36.30	123.51	1.948	61.11	0.877	0.88	0.000	0.517	0.66	1.10	0.72
36.35	123.54	1.951	61.14	0.879	0.88	0.000	0.517	0.66	1.10	0.72
36.40	123.57	1.954	61.17	0.880	0.88	0.000	0.517	0.65	1.10	0.72
36.45	123.61	1.956	61.21	0.882	0.88	0.000	0.517	0.65	1.10	0.72
36.50	123.64	1.959	61.24	0.883	0.88	0.000	0.517	0.65	1.10	0.72
36.55	123.67	1.962	61.27	0.885	0.88	0.000	0.517	0.65	1.10	0.72
36.60	123.71	1.965	61.31	0.886	0.88	0.000	0.517	0.65	1.10	0.72
36.65	123.74	1.968	61.34	0.887	0.88	0.000	0.517	0.65	1.10	0.72
36.70	123.77	1.971	61.37	0.889	0.88	0.000	0.517	0.65	1.10	0.72
36.75	123.80	1.974	61.40	0.890	0.87	0.000	0.517	0.65	1.10	0.72
36.80	123.84	1.977	61.44	0.892	0.87	0.000	0.517	0.65	1.10	0.72
36.85	123.87	1.980	61.47	0.893	0.87	0.000	0.517	0.65	1.10	0.72
36.90	123.90	1.983	61.50	0.895	0.87	0.000	0.517	0.65	1.10	0.72
36.95	123.94	1.986	61.54	0.896	0.87	0.000	0.517	0.65	1.10	0.72

37.00	123.97	1.989	61.57	0.898	0.87	0.000	0.517	0.65	1.10	0.71
37.05	124.00	1.992	61.60	0.899	0.87	0.000	0.517	0.65	1.10	0.71
37.10	124.04	1.995	61.64	0.901	0.87	0.000	0.517	0.65	1.10	0.71
37.15	124.07	1.997	61.67	0.902	0.87	0.000	0.517	0.65	1.10	0.71
37.20	124.10	2.000	61.70	0.903	0.87	0.000	0.517	0.65	1.10	0.71
37.25	124.13	2.003	61.73	0.905	0.87	0.000	0.517	0.65	1.10	0.71
37.30	124.17	2.006	61.77	0.906	0.87	0.000	0.517	0.65	1.10	0.71
37.35	124.20	2.009	61.80	0.908	0.87	0.000	0.517	0.65	1.10	0.71
37.40	124.23	2.012	61.83	0.909	0.87	0.000	0.517	0.65	1.10	0.71
37.45	124.27	2.015	61.87	0.911	0.87	0.000	0.517	0.65	1.10	0.71
37.50	124.30	2.018	61.90	0.912	0.87	0.000	0.517	0.65	1.10	0.71
37.55	124.34	2.021	61.94	0.914	0.87	0.000	0.517	0.65	1.10	0.71
37.60	124.37	2.024	61.97	0.915	0.87	0.000	0.517	0.65	1.10	0.71
37.65	124.41	2.027	62.01	0.917	0.87	0.000	0.517	0.64	1.10	0.71
37.70	124.45	2.030	62.05	0.918	0.87	0.000	0.517	0.64	1.10	0.71
37.75	124.48	2.033	62.08	0.920	0.87	0.000	0.517	0.64	1.10	0.71
37.80	124.52	2.036	62.12	0.921	0.87	0.000	0.517	0.64	1.10	0.71
37.85	124.56	2.039	62.16	0.922	0.87	0.000	0.517	0.64	1.10	0.71
37.90	124.60	2.041	62.20	0.924	0.87	0.000	0.517	0.64	1.10	0.71
37.95	124.63	2.044	62.23	0.925	0.87	0.000	0.517	0.64	1.10	0.71
38.00	124.67	2.047	62.27	0.927	0.86	0.000	0.517	0.64	1.10	0.71
38.05	124.71	2.050	62.31	0.928	0.86	0.000	0.517	0.64	1.10	0.71
38.10	124.74	2.053	62.34	0.930	0.86	0.000	0.517	0.64	1.10	0.71
38.15	124.78	2.056	62.38	0.931	0.86	0.000	0.517	0.64	1.10	0.70
38.20	124.82	2.059	62.42	0.933	0.86	0.000	0.517	0.64	1.10	0.70
38.25	124.85	2.062	62.45	0.934	0.86	0.000	0.517	0.64	1.10	0.70
38.30	124.89	2.065	62.49	0.936	0.86	0.000	0.517	0.64	1.10	0.70
38.35	124.93	2.068	62.53	0.937	0.86	0.000	0.517	0.64	1.10	0.70
38.40	124.97	2.071	62.57	0.939	0.86	0.000	0.517	0.64	1.10	0.70
38.45	125.00	2.074	62.60	0.940	0.86	0.000	0.517	0.64	1.10	0.70
38.50	125.04	2.077	62.64	0.942	0.86	0.000	0.517	0.64	1.10	0.70
38.55	125.08	2.080	62.68	0.943	0.86	0.000	0.517	0.64	1.10	0.70
38.60	125.11	2.083	62.71	0.945	0.86	0.000	0.517	0.64	1.10	0.70
38.65	125.15	2.086	62.75	0.946	0.86	0.000	0.517	0.64	1.10	0.70
38.70	125.19	2.089	62.79	0.948	0.86	0.000	0.517	0.64	1.10	0.70
38.75	125.22	2.092	62.82	0.949	0.86	0.000	0.517	0.64	1.10	0.70
38.80	125.26	2.095	62.86	0.951	0.86	0.000	0.517	0.64	1.10	0.70
38.85	125.30	2.098	62.90	0.952	0.86	0.000	0.517	0.64	1.10	0.70
38.90	125.34	2.101	62.94	0.953	0.86	0.000	0.517	0.63	1.10	0.70
38.95	125.37	2.103	62.97	0.955	0.86	0.000	0.517	0.63	1.10	0.70
39.00	125.41	2.106	63.01	0.956	0.86	0.000	0.517	0.63	1.10	0.70
39.05	125.45	2.109	63.05	0.958	0.86	0.000	0.517	0.63	1.10	0.70
39.10	125.48	2.112	63.08	0.959	0.86	0.000	0.517	0.63	1.10	0.70
39.15	125.52	2.115	63.12	0.961	0.86	0.000	0.517	0.63	1.10	0.70
39.20	125.56	2.118	63.16	0.962	0.86	0.000	0.517	0.63	1.10	0.70
39.25	125.59	2.121	63.19	0.964	0.85	0.000	0.517	0.63	1.10	0.70
39.30	125.63	2.124	63.23	0.965	0.85	0.000	0.517	0.63	1.10	0.69
39.35	125.67	2.127	63.27	0.967	0.85	0.000	0.517	0.63	1.10	0.69
39.40	125.71	2.130	63.31	0.968	0.85	0.000	0.517	0.63	1.10	0.69
39.45	125.74	2.133	63.34	0.970	0.85	0.000	0.517	0.63	1.10	0.69
39.50	125.78	2.136	63.38	0.971	0.85	0.000	0.517	0.63	1.10	0.69
39.55	125.82	2.139	63.42	0.973	0.85	0.000	0.517	0.63	1.10	0.69
39.60	125.85	2.142	63.45	0.974	0.85	0.000	0.517	0.63	1.10	0.69
39.65	125.89	2.145	63.49	0.976	0.85	0.000	0.517	0.63	1.10	0.69
39.70	125.93	2.148	63.53	0.977	0.85	0.000	0.517	0.63	1.10	0.69
39.75	125.96	2.151	63.56	0.979	0.85	0.000	0.517	0.63	1.10	0.69
39.80	126.00	2.154	63.60	0.980	0.85	0.000	0.517	0.63	1.10	0.69
39.85	126.04	2.157	63.64	0.982	0.85	0.000	0.517	0.63	1.10	0.69
39.90	126.08	2.160	63.68	0.983	0.85	0.000	0.517	0.63	1.10	0.69
39.95	126.11	2.163	63.71	0.985	0.85	0.000	0.517	0.63	1.10	0.69
40.00	126.15	2.166	63.75	0.986	0.85	0.000	0.517	0.63	1.10	0.69
40.05	126.19	2.169	63.79	0.988	0.85	0.000	0.517	0.63	1.10	0.69
40.10	126.22	2.172	63.82	0.989	0.85	0.000	0.517	0.63	1.10	0.69
40.15	126.26	2.175	63.86	0.991	0.85	0.000	0.517	0.62	1.10	0.69
40.20	126.30	2.178	63.90	0.992	0.85	0.000	0.517	0.62	1.10	0.69
40.25	126.33	2.181	63.93	0.994	0.85	0.000	0.517	0.62	1.10	0.69
40.30	126.37	2.184	63.97	0.995	0.85	0.000	0.517	0.62	1.10	0.69
40.35	126.41	2.187	64.01	0.997	0.85	0.000	0.517	0.62	1.10	0.69
40.40	126.45	2.190	64.05	0.998	0.85	0.000	0.517	0.62	1.10	0.69
40.45	126.48	2.193	64.08	1.000	0.84	0.000	0.517	0.62	1.10	0.68
40.50	126.52	2.196	64.12	1.002	0.84	0.000	0.517	0.62	1.10	0.68
40.55	126.56	2.199	64.16	1.003	0.84	0.000	0.517	0.62	1.10	0.68
40.60	126.59	2.202	64.19	1.005	0.84	0.000	0.517	0.62	1.10	0.68

40.65	126.63	2.205	64.23	1.006	0.84	0.000	0.517	0.62	1.10	0.68
40.70	126.67	2.208	64.27	1.008	0.84	0.000	0.517	0.62	1.10	0.68
40.75	126.70	2.211	64.30	1.009	0.84	0.000	0.517	0.62	1.10	0.68
40.80	126.74	2.214	64.34	1.011	0.84	0.000	0.517	0.62	1.10	0.68
40.85	126.78	2.217	64.38	1.012	0.84	0.000	0.517	0.62	1.10	0.68
40.90	126.82	2.220	64.42	1.014	0.84	0.000	0.517	0.62	1.10	0.68
40.95	126.85	2.223	64.45	1.015	0.84	0.000	0.517	0.62	1.10	0.68
41.00	126.89	2.226	64.49	1.017	0.84	0.000	0.517	0.62	1.10	0.68
41.05	126.93	2.229	64.53	1.018	0.84	0.000	0.517	0.62	1.10	0.68
41.10	126.96	2.232	64.56	1.020	0.84	0.000	0.517	0.62	1.10	0.68
41.15	127.00	2.235	64.60	1.021	0.84	0.000	0.517	0.62	1.10	0.68
41.20	127.04	2.238	64.64	1.023	0.84	0.000	0.517	0.62	1.10	0.68
41.25	127.07	2.241	64.67	1.024	0.84	0.000	0.517	0.62	1.10	0.68
41.30	127.11	2.244	64.71	1.026	0.84	0.000	0.517	0.62	1.10	0.68
41.35	127.15	2.247	64.75	1.027	0.84	0.000	0.517	0.62	1.10	0.68
41.40	127.19	2.250	64.79	1.029	0.84	0.000	0.517	0.62	1.10	0.68
41.45	127.22	2.253	64.82	1.030	0.84	0.000	0.517	0.61	1.10	0.68
41.50	127.26	2.256	64.86	1.032	0.84	0.000	0.517	0.61	1.10	0.68
41.55	127.30	2.259	64.90	1.034	0.84	0.000	0.517	0.61	1.10	0.68
41.60	127.33	2.262	64.93	1.035	0.84	0.000	0.517	0.61	1.10	0.67
41.65	127.37	2.265	64.97	1.037	0.84	0.000	0.517	0.61	1.10	0.67
41.70	127.41	2.268	65.01	1.038	0.83	0.000	0.517	0.61	1.10	0.67
41.75	127.44	2.271	65.04	1.040	0.83	0.000	0.517	0.61	1.10	0.67
41.80	127.48	2.274	65.08	1.041	0.83	0.000	0.517	0.61	1.10	0.67
41.85	127.52	2.277	65.12	1.043	0.83	0.000	0.517	0.61	1.10	0.67
41.90	127.56	2.280	65.16	1.044	0.83	0.000	0.517	0.61	1.10	0.67
41.95	127.59	2.283	65.19	1.046	0.83	0.000	0.517	0.61	1.10	0.67
42.00	127.63	2.286	65.23	1.047	0.83	0.000	0.517	0.61	1.10	0.67
42.05	127.67	2.289	65.27	1.049	0.83	0.000	0.517	0.61	1.10	0.67
42.10	127.70	2.292	65.30	1.050	0.83	0.000	0.517	0.61	1.10	0.67
42.15	127.74	2.295	65.34	1.052	0.83	0.000	0.517	0.61	1.10	0.67
42.20	127.78	2.298	65.38	1.054	0.83	0.000	0.517	0.61	1.10	0.67
42.25	127.81	2.301	65.41	1.055	0.83	0.000	0.517	0.61	1.10	0.67
42.30	127.85	2.304	65.45	1.057	0.83	0.000	0.517	0.61	1.10	0.67
42.35	127.89	2.307	65.49	1.058	0.83	0.000	0.517	0.61	1.10	0.67
42.40	127.93	2.310	65.53	1.060	0.83	0.000	0.517	0.61	1.10	0.67
42.45	127.96	2.313	65.56	1.061	0.83	0.000	0.517	0.61	1.10	0.67
42.50	128.00	2.316	65.60	1.063	0.83	0.000	0.517	0.61	1.10	0.67
42.55	128.07	2.319	65.67	1.064	0.83	0.000	0.517	0.61	1.10	0.67
42.60	128.15	2.322	65.75	1.066	0.83	0.000	0.517	0.61	1.10	0.67
42.65	128.22	2.325	65.82	1.067	0.83	0.000	0.517	0.61	1.10	0.67
42.70	128.30	2.328	65.90	1.069	0.83	0.000	0.517	0.60	1.10	0.67
42.75	128.37	2.331	65.97	1.071	0.83	0.000	0.517	0.60	1.10	0.66
42.80	128.45	2.334	66.05	1.072	0.83	0.000	0.517	0.60	1.10	0.66
42.85	128.52	2.337	66.12	1.074	0.83	0.000	0.517	0.60	1.10	0.66
42.90	128.60	2.340	66.20	1.075	0.82	0.000	0.517	0.60	1.10	0.66
42.95	128.67	2.343	66.27	1.077	0.82	0.000	0.517	0.60	1.10	0.66
43.00	128.75	2.346	66.35	1.078	0.82	0.000	0.517	0.60	1.10	0.66
43.05	128.82	2.349	66.42	1.080	0.82	0.000	0.517	0.60	1.10	0.66
43.10	128.90	2.352	66.50	1.082	0.82	0.000	0.517	0.60	1.10	0.66
43.15	128.97	2.355	66.57	1.083	0.82	0.000	0.517	0.60	1.10	0.66
43.20	129.05	2.358	66.65	1.085	0.82	0.000	0.517	0.60	1.10	0.66
43.25	129.12	2.362	66.72	1.086	0.82	0.000	0.517	0.60	1.10	0.66
43.30	129.20	2.365	66.80	1.088	0.82	0.000	0.517	0.60	1.10	0.66
43.35	129.27	2.368	66.87	1.089	0.82	0.000	0.517	0.60	1.10	0.66
43.40	129.35	2.371	66.95	1.091	0.82	0.000	0.517	0.60	1.10	0.66
43.45	129.42	2.374	67.02	1.093	0.82	0.000	0.517	0.60	1.10	0.66
43.50	129.50	2.377	67.10	1.094	0.82	0.000	0.517	0.60	1.10	0.66
43.55	129.57	2.380	67.17	1.096	0.82	0.000	0.517	0.60	1.10	0.66
43.60	129.65	2.383	67.25	1.097	0.82	0.000	0.517	0.60	1.10	0.66
43.65	129.72	2.386	67.32	1.099	0.82	0.000	0.517	0.60	1.10	0.66
43.70	129.80	2.389	67.40	1.100	0.82	0.000	0.517	0.60	1.10	0.66
43.75	129.87	2.392	67.47	1.102	0.82	0.000	0.517	0.60	1.10	0.66
43.80	129.95	2.395	67.55	1.104	0.82	0.000	0.517	0.60	1.10	0.66
43.85	130.02	2.398	67.62	1.105	0.82	0.000	0.517	0.60	1.10	0.66
43.90	130.10	2.401	67.70	1.107	0.82	0.000	0.517	0.60	1.10	0.66
43.95	130.17	2.404	67.77	1.108	0.82	0.000	0.517	0.60	1.10	0.65
44.00	130.25	2.407	67.85	1.110	0.82	0.000	0.517	0.59	1.10	0.65
44.05	130.32	2.411	67.92	1.112	0.82	0.000	0.517	0.59	1.10	0.65
44.10	130.40	2.414	68.00	1.113	0.82	0.000	0.517	0.59	1.10	0.65
44.15	130.47	2.417	68.07	1.115	0.81	0.000	0.517	0.59	1.10	0.65
44.20	130.55	2.420	68.15	1.116	0.81	0.000	0.517	0.59	1.10	0.65
44.25	130.62	2.423	68.22	1.118	0.81	0.000	0.517	0.59	1.10	0.65

44.30	130.70	2.426	68.30	1.120	0.81	0.000	0.517	0.59	1.10	0.65
44.35	130.77	2.429	68.37	1.121	0.81	0.000	0.517	0.59	1.10	0.65
44.40	130.85	2.432	68.45	1.123	0.81	0.000	0.517	0.59	1.10	0.65
44.45	130.92	2.435	68.52	1.125	0.81	0.000	0.517	0.59	1.10	0.65
44.50	131.00	2.438	68.60	1.126	0.81	0.000	0.517	0.59	1.10	0.65
44.55	131.07	2.441	68.67	1.128	0.81	0.000	0.517	0.59	1.10	0.65
44.60	131.15	2.445	68.75	1.129	0.81	0.000	0.517	0.59	1.10	0.65
44.65	131.22	2.448	68.82	1.131	0.81	0.000	0.517	0.59	1.10	0.65
44.70	131.30	2.451	68.90	1.133	0.81	0.000	0.517	0.59	1.10	0.65
44.75	131.37	2.454	68.97	1.134	0.81	0.000	0.517	0.59	1.10	0.65
44.80	131.45	2.457	69.05	1.136	0.81	0.000	0.517	0.59	1.10	0.65
44.85	131.52	2.460	69.12	1.138	0.81	0.000	0.517	0.59	1.10	0.65
44.90	131.60	2.463	69.20	1.139	0.81	0.000	0.517	0.59	1.10	0.65
44.95	131.67	2.466	69.27	1.141	0.81	0.000	0.517	0.59	1.10	0.65
45.00	131.75	2.469	69.35	1.142	0.81	0.000	0.517	0.59	1.10	0.65
45.05	131.82	2.472	69.42	1.144	0.81	0.000	0.517	0.59	1.10	0.64
45.10	131.90	2.476	69.50	1.146	0.81	0.000	0.517	0.59	1.10	0.64
45.15	131.97	2.479	69.57	1.147	0.81	0.000	0.517	0.59	1.10	0.64
45.20	132.05	2.482	69.65	1.149	0.81	0.000	0.517	0.59	1.10	0.64
45.25	132.12	2.485	69.72	1.151	0.81	0.000	0.517	0.58	1.10	0.64
45.30	132.20	2.488	69.80	1.152	0.81	0.000	0.517	0.58	1.10	0.64
45.35	132.27	2.491	69.87	1.154	0.80	0.000	0.517	0.58	1.10	0.64
45.40	132.35	2.494	69.95	1.156	0.80	0.000	0.517	0.58	1.10	0.64
45.45	132.42	2.497	70.02	1.157	0.80	0.000	0.517	0.58	1.10	0.64
45.50	132.50	2.501	70.10	1.159	0.80	0.000	0.517	0.58	1.10	0.64
45.55	132.57	2.504	70.17	1.161	0.80	0.000	0.517	0.58	1.10	0.64
45.60	132.65	2.507	70.25	1.162	0.80	0.000	0.517	0.58	1.10	0.64
45.65	132.72	2.510	70.32	1.164	0.80	0.000	0.517	0.58	1.10	0.64
45.70	132.80	2.513	70.40	1.166	0.80	0.000	0.517	0.58	1.10	0.64
45.75	132.87	2.516	70.47	1.167	0.80	0.000	0.517	0.58	1.10	0.64
45.80	132.95	2.519	70.55	1.169	0.80	0.000	0.517	0.58	1.10	0.64
45.85	133.02	2.523	70.62	1.171	0.80	0.000	0.517	0.58	1.10	0.64
45.90	133.10	2.526	70.70	1.172	0.80	0.000	0.517	0.58	1.10	0.64
45.95	133.17	2.529	70.77	1.174	0.80	0.000	0.517	0.58	1.10	0.64
46.00	133.25	2.532	70.85	1.176	0.80	0.000	0.517	0.58	1.10	0.64
46.05	133.32	2.535	70.92	1.177	0.80	0.000	0.517	0.58	1.10	0.64
46.10	133.40	2.538	71.00	1.179	0.80	0.000	0.517	0.58	1.10	0.64
46.15	133.47	2.541	71.07	1.181	0.80	0.000	0.517	0.58	1.10	0.64
46.20	133.55	2.545	71.15	1.182	0.80	0.000	0.517	0.58	1.10	0.63
46.25	133.62	2.548	71.22	1.184	0.80	0.000	0.517	0.58	1.10	0.63
46.30	133.70	2.551	71.30	1.186	0.80	0.000	0.517	0.58	1.10	0.63
46.35	133.77	2.554	71.37	1.187	0.80	0.000	0.517	0.58	1.10	0.63
46.40	133.85	2.557	71.45	1.189	0.80	0.000	0.517	0.58	1.10	0.63
46.45	133.92	2.560	71.52	1.191	0.80	0.000	0.517	0.58	1.10	0.63
46.50	134.00	2.564	71.60	1.192	0.80	0.000	0.517	0.57	1.10	0.63
46.55	134.07	2.567	71.67	1.194	0.80	0.000	0.517	0.57	1.10	0.63
46.60	134.15	2.570	71.75	1.196	0.79	0.000	0.517	0.57	1.10	0.63
46.65	134.22	2.573	71.82	1.197	0.79	0.000	0.517	0.57	1.10	0.63
46.70	134.30	2.576	71.90	1.199	0.79	0.000	0.517	0.57	1.10	0.63
46.75	134.37	2.579	71.97	1.201	0.79	0.000	0.517	0.57	1.10	0.63
46.80	134.45	2.583	72.05	1.203	0.79	0.000	0.517	0.57	1.10	0.63
46.85	134.52	2.586	72.12	1.204	0.79	0.000	0.517	0.57	1.10	0.63
46.90	134.60	2.589	72.20	1.206	0.79	0.000	0.517	0.57	1.10	0.63
46.95	134.67	2.592	72.27	1.208	0.79	0.000	0.517	0.57	1.10	0.63
47.00	134.75	2.595	72.35	1.209	0.79	0.000	0.517	0.57	1.10	0.63
47.05	134.82	2.598	72.42	1.211	0.79	0.000	0.517	0.57	1.10	0.63
47.10	134.90	2.602	72.50	1.213	0.79	0.000	0.517	0.57	1.10	0.63
47.15	134.97	2.605	72.57	1.215	0.79	0.000	0.517	0.57	1.10	0.63
47.20	135.05	2.608	72.65	1.216	0.79	0.000	0.517	0.57	1.10	0.63
47.25	135.12	2.611	72.72	1.218	0.79	0.000	0.517	0.57	1.10	0.63
47.30	135.20	2.614	72.80	1.220	0.79	0.000	0.517	0.57	1.10	0.63
47.35	135.27	2.618	72.87	1.221	0.79	0.000	0.517	0.57	1.10	0.62
47.40	135.35	2.621	72.95	1.223	0.79	0.000	0.517	0.57	1.10	0.62
47.45	135.42	2.624	73.02	1.225	0.79	0.000	0.517	0.57	1.10	0.62
47.50	135.50	2.627	73.10	1.227	0.79	0.000	0.517	0.57	1.10	0.62
47.55	135.35	2.630	72.95	1.228	0.79	0.000	0.517	0.57	1.10	0.62
47.60	135.20	2.634	72.80	1.230	0.79	0.000	0.517	0.57	1.10	0.62
47.65	135.05	2.637	72.65	1.232	0.79	0.000	0.517	0.57	1.10	0.62
47.70	134.90	2.640	72.50	1.233	0.79	0.000	0.517	0.57	1.10	0.62
47.75	134.75	2.643	72.35	1.235	0.79	0.000	0.517	0.56	1.10	0.62
47.80	134.60	2.646	72.20	1.237	0.79	0.000	0.517	0.56	1.10	0.62
47.85	134.44	2.650	72.04	1.239	0.78	0.000	0.517	0.56	1.10	0.62
47.90	134.29	2.653	71.89	1.240	0.78	0.000	0.517	0.56	1.10	0.62

47.95	134.14	2.656	71.74	1.242	0.78	0.000	0.517	0.56	1.10	0.62
48.00	133.99	2.659	71.59	1.244	0.78	0.000	0.517	0.56	1.10	0.62
48.05	133.84	2.662	71.44	1.245	0.78	0.000	0.517	0.56	1.10	0.62
48.10	133.69	2.665	71.29	1.247	0.78	0.000	0.517	0.56	1.10	0.62
48.15	133.54	2.669	71.14	1.249	0.78	0.000	0.517	0.56	1.10	0.62
48.20	133.39	2.672	70.99	1.250	0.78	0.000	0.517	0.56	1.10	0.62
48.25	133.24	2.675	70.84	1.252	0.78	0.000	0.517	0.56	1.10	0.62
48.30	133.09	2.678	70.69	1.254	0.78	0.000	0.517	0.56	1.10	0.62
48.35	132.93	2.681	70.53	1.255	0.78	0.000	0.517	0.56	1.10	0.62
48.40	132.78	2.684	70.38	1.257	0.78	0.000	0.517	0.56	1.10	0.62
48.45	132.63	2.687	70.23	1.259	0.78	0.000	0.517	0.56	1.10	0.62
48.50	132.48	2.691	70.08	1.260	0.78	0.000	0.517	0.56	1.10	0.61
48.55	132.33	2.694	69.93	1.262	0.78	0.000	0.517	0.56	1.10	0.61
48.60	132.18	2.697	69.78	1.264	0.78	0.000	0.517	0.56	1.10	0.61
48.65	132.03	2.700	69.63	1.265	0.78	0.000	0.517	0.56	1.10	0.61
48.70	131.88	2.703	69.48	1.267	0.78	0.000	0.517	0.56	1.10	0.61
48.75	131.73	2.706	69.33	1.269	0.78	0.000	0.517	0.56	1.10	0.61
48.80	131.58	2.709	69.18	1.270	0.78	0.000	0.517	0.56	1.10	0.61
48.85	131.42	2.712	69.02	1.272	0.78	0.000	0.517	0.56	1.10	0.61
48.90	131.27	2.715	68.87	1.274	0.78	0.000	0.517	0.56	1.10	0.61
48.95	131.12	2.719	68.72	1.275	0.78	0.000	0.517	0.56	1.10	0.61
49.00	130.97	2.722	68.57	1.277	0.78	0.000	0.517	0.56	1.10	0.61
49.05	130.82	2.725	68.42	1.278	0.77	0.000	0.517	0.55	1.10	0.61
49.10	130.67	2.728	68.27	1.280	0.77	0.000	0.517	0.55	1.10	0.61
49.15	130.52	2.731	68.12	1.282	0.77	0.000	0.517	0.55	1.10	0.61
49.20	130.37	2.734	67.97	1.283	0.77	0.000	0.517	0.55	1.10	0.61
49.25	130.22	2.737	67.82	1.285	0.77	0.000	0.517	0.55	1.10	0.61
49.30	130.07	2.740	67.67	1.286	0.77	0.000	0.517	0.55	1.10	0.61
49.35	129.91	2.743	67.51	1.288	0.77	0.000	0.517	0.55	1.10	0.61
49.40	129.76	2.746	67.36	1.290	0.77	0.000	0.517	0.55	1.10	0.61
49.45	129.61	2.749	67.21	1.291	0.77	0.000	0.517	0.55	1.10	0.61
49.50	129.46	2.752	67.06	1.293	0.77	0.000	0.517	0.55	1.10	0.61
49.55	129.31	2.756	66.91	1.294	0.77	0.000	0.517	0.55	1.10	0.61
49.60	129.16	2.759	66.76	1.296	0.77	0.000	0.517	0.55	1.10	0.61
49.65	129.01	2.762	66.61	1.298	0.77	0.000	0.517	0.55	1.10	0.61
49.70	128.86	2.765	66.46	1.299	0.77	0.000	0.517	0.55	1.10	0.61
49.75	128.71	2.768	66.31	1.301	0.77	0.000	0.517	0.55	1.10	0.60
49.80	128.56	2.771	66.16	1.302	0.77	0.000	0.517	0.55	1.10	0.60
49.85	128.40	2.774	66.00	1.304	0.77	0.000	0.517	0.55	1.10	0.60
49.90	128.25	2.777	65.85	1.305	0.77	0.000	0.517	0.55	1.10	0.60
49.95	128.10	2.780	65.70	1.307	0.77	0.000	0.517	0.55	1.10	0.60
50.00	127.95	2.783	65.55	1.309	0.77	0.000	0.517	0.55	1.10	0.60
50.05	127.80	2.786	65.40	1.310	0.77	0.000	0.517	0.55	1.10	0.60
50.10	127.65	2.789	65.25	1.312	0.77	0.000	0.517	0.55	1.10	0.60
50.15	127.50	2.792	65.10	1.313	0.77	0.000	0.517	0.55	1.10	0.60
50.20	127.35	2.795	64.95	1.315	0.77	0.000	0.517	0.55	1.10	0.60
50.25	127.20	2.798	64.80	1.316	0.77	0.000	0.517	0.55	1.10	0.60
50.30	127.05	2.801	64.65	1.318	0.76	0.000	0.517	0.55	1.10	0.60
50.35	126.89	2.804	64.49	1.319	0.76	0.000	0.517	0.55	1.10	0.60
50.40	126.74	2.807	64.34	1.321	0.76	0.000	0.517	0.55	1.10	0.60
50.45	126.59	2.810	64.19	1.322	0.76	0.000	0.517	0.55	1.10	0.60
50.50	126.44	2.813	64.04	1.324	0.76	0.000	0.517	0.54	1.10	0.60
50.55	126.29	2.816	63.89	1.325	0.76	0.000	0.517	0.54	1.10	0.60
50.60	126.14	2.819	63.74	1.327	0.76	0.000	0.517	0.54	1.10	0.60
50.65	125.99	2.822	63.59	1.328	0.76	0.000	0.517	0.54	1.10	0.60
50.70	125.84	2.825	63.44	1.330	0.76	0.000	0.517	0.54	1.10	0.60
50.75	125.69	2.828	63.29	1.331	0.76	0.000	0.517	0.54	1.10	0.60
50.80	125.54	2.831	63.14	1.333	0.76	0.000	0.517	0.54	1.10	0.60
50.85	125.38	2.834	62.98	1.334	0.76	0.000	0.517	0.54	1.10	0.60
50.90	125.23	2.837	62.83	1.336	0.76	0.000	0.517	0.54	1.10	0.60
50.95	125.08	2.840	62.68	1.337	0.76	0.000	0.517	0.54	1.10	0.60
51.00	124.93	2.843	62.53	1.339	0.76	0.000	0.517	0.54	1.10	0.60
51.05	124.78	2.846	62.38	1.340	0.76	0.000	0.517	0.54	1.10	0.60
51.10	124.63	2.849	62.23	1.342	0.76	0.000	0.517	0.54	1.10	0.59
51.15	124.48	2.852	62.08	1.343	0.76	0.000	0.517	0.54	1.10	0.59
51.20	124.33	2.854	61.93	1.345	0.76	0.000	0.517	0.54	1.10	0.59
51.25	124.18	2.857	61.78	1.346	0.76	0.000	0.517	0.54	1.10	0.59
51.30	124.03	2.860	61.63	1.348	0.76	0.000	0.517	0.54	1.10	0.59
51.35	123.87	2.863	61.47	1.349	0.76	0.000	0.517	0.54	1.10	0.59
51.40	123.72	2.866	61.32	1.351	0.76	0.000	0.517	0.54	1.10	0.59
51.45	123.57	2.869	61.17	1.352	0.76	0.000	0.517	0.54	1.10	0.59
51.50	123.42	2.872	61.02	1.353	0.75	0.000	0.517	0.54	1.10	0.59
51.55	123.27	2.875	60.87	1.355	0.75	0.000	0.517	0.54	1.10	0.59

51.60	123.12	2.878	60.72	1.356	0.75	0.000	0.517	0.54	1.10	0.59
51.65	122.97	2.881	60.57	1.358	0.75	0.000	0.517	0.54	1.10	0.59
51.70	122.82	2.884	60.42	1.359	0.75	0.000	0.517	0.54	1.10	0.59
51.75	122.67	2.887	60.27	1.361	0.75	0.000	0.517	0.54	1.10	0.59
51.80	122.52	2.889	60.12	1.362	0.75	0.000	0.517	0.54	1.10	0.59
51.85	122.36	2.892	59.96	1.363	0.75	0.000	0.517	0.54	1.10	0.59
51.90	122.21	2.895	59.81	1.365	0.75	0.000	0.517	0.54	1.10	0.59
51.95	122.06	2.898	59.66	1.366	0.75	0.000	0.517	0.54	1.10	0.59
52.00	121.91	2.901	59.51	1.368	0.75	0.000	0.517	0.54	1.10	0.59
52.05	121.76	2.904	59.36	1.369	0.75	0.000	0.517	0.53	1.10	0.59
52.10	121.61	2.907	59.21	1.371	0.75	0.000	0.517	0.53	1.10	0.59
52.15	121.46	2.910	59.06	1.372	0.75	0.000	0.517	0.53	1.10	0.59
52.20	121.31	2.913	58.91	1.373	0.75	0.000	0.517	0.53	1.10	0.59
52.25	121.16	2.915	58.76	1.375	0.75	0.000	0.517	0.53	1.10	0.59
52.30	121.01	2.918	58.61	1.376	0.75	0.000	0.517	0.53	1.10	0.59
52.35	120.85	2.921	58.45	1.377	0.75	0.000	0.517	0.53	1.10	0.59
52.40	120.70	2.924	58.30	1.379	0.75	0.000	0.517	0.53	1.10	0.59
52.45	120.55	2.927	58.15	1.380	0.75	0.000	0.517	0.53	1.10	0.59
52.50	120.40	2.930	58.00	1.382	0.75	0.000	0.517	0.53	1.10	0.59
52.55	120.36	2.933	57.96	1.383	0.75	0.000	0.517	0.53	1.10	0.59
52.60	120.32	2.935	57.92	1.384	0.75	0.000	0.517	0.53	1.10	0.58
52.65	120.28	2.938	57.88	1.386	0.75	0.000	0.517	0.53	1.10	0.58
52.70	120.24	2.941	57.84	1.387	0.75	0.000	0.517	0.53	1.10	0.58
52.75	120.20	2.944	57.80	1.388	0.74	0.000	0.517	0.53	1.10	0.58
52.80	120.15	2.947	57.75	1.390	0.74	0.000	0.517	0.53	1.10	0.58
52.85	120.11	2.950	57.71	1.391	0.74	0.000	0.517	0.53	1.10	0.58
52.90	120.07	2.952	57.67	1.393	0.74	0.000	0.517	0.53	1.10	0.58
52.95	120.03	2.955	57.63	1.394	0.74	0.000	0.517	0.53	1.10	0.58
53.00	119.99	2.958	57.59	1.395	0.74	0.000	0.517	0.53	1.10	0.58
53.05	119.95	2.961	57.55	1.397	0.74	0.000	0.517	0.53	1.10	0.58
53.10	119.91	2.964	57.51	1.398	0.74	0.000	0.517	0.53	1.10	0.58
53.15	119.87	2.967	57.47	1.399	0.74	0.000	0.517	0.53	1.10	0.58
53.20	119.83	2.969	57.43	1.401	0.74	0.000	0.517	0.53	1.10	0.58
53.25	119.79	2.972	57.39	1.402	0.74	0.000	0.517	0.53	1.10	0.58
53.30	119.74	2.975	57.34	1.403	0.74	0.000	0.517	0.53	1.10	0.58
53.35	119.70	2.978	57.30	1.405	0.74	0.000	0.517	0.53	1.10	0.58
53.40	119.66	2.981	57.26	1.406	0.74	0.000	0.517	0.53	1.10	0.58
53.45	119.62	2.984	57.22	1.407	0.74	0.000	0.517	0.53	1.10	0.58
53.50	119.58	2.986	57.18	1.409	0.74	0.000	0.517	0.53	1.10	0.58
53.55	119.54	2.989	57.14	1.410	0.74	0.000	0.517	0.53	1.10	0.58
53.60	119.50	2.992	57.10	1.412	0.74	0.000	0.517	0.53	1.10	0.58
53.65	119.46	2.995	57.06	1.413	0.74	0.000	0.517	0.53	1.10	0.58
53.70	119.42	2.998	57.02	1.414	0.74	0.000	0.517	0.52	1.10	0.58
53.75	119.38	3.000	56.98	1.416	0.74	0.000	0.517	0.52	1.10	0.58
53.80	119.33	3.003	56.93	1.417	0.74	0.000	0.517	0.52	1.10	0.58
53.85	119.29	3.006	56.89	1.418	0.74	0.000	0.517	0.52	1.10	0.58
53.90	119.25	3.009	56.85	1.420	0.74	0.000	0.517	0.52	1.10	0.58
53.95	119.21	3.012	56.81	1.421	0.73	0.000	0.517	0.52	1.10	0.58
54.00	119.17	3.015	56.77	1.422	0.73	0.000	0.517	0.52	1.10	0.58
54.05	119.13	3.017	56.73	1.424	0.73	0.000	0.517	0.52	1.10	0.58
54.10	119.09	3.020	56.69	1.425	0.73	0.000	0.517	0.52	1.10	0.57
54.15	119.05	3.023	56.65	1.426	0.73	0.000	0.517	0.52	1.10	0.57
54.20	119.01	3.026	56.61	1.428	0.73	0.000	0.517	0.52	1.10	0.57
54.25	118.97	3.029	56.57	1.429	0.73	0.000	0.517	0.52	1.10	0.57
54.30	118.92	3.031	56.52	1.430	0.73	0.000	0.517	0.52	1.10	0.57
54.35	118.88	3.034	56.48	1.432	0.73	0.000	0.517	0.52	1.10	0.57
54.40	118.84	3.037	56.44	1.433	0.73	0.000	0.517	0.52	1.10	0.57
54.45	118.80	3.040	56.40	1.434	0.73	0.000	0.517	0.52	1.10	0.57
54.50	118.76	3.043	56.36	1.436	0.73	0.000	0.517	0.52	1.10	0.57
54.55	118.72	3.046	56.32	1.437	0.73	0.000	0.517	0.52	1.10	0.57
54.60	118.68	3.048	56.28	1.438	0.73	0.000	0.517	0.52	1.10	0.57
54.65	118.64	3.051	56.24	1.440	0.73	0.000	0.517	0.52	1.10	0.57
54.70	118.60	3.054	56.20	1.441	0.73	0.000	0.517	0.52	1.10	0.57
54.75	118.56	3.057	56.16	1.442	0.73	0.000	0.517	0.52	1.10	0.57
54.80	118.51	3.060	56.11	1.444	0.73	0.000	0.517	0.52	1.10	0.57
54.85	118.47	3.062	56.07	1.445	0.73	0.000	0.517	0.52	1.10	0.57
54.90	118.43	3.065	56.03	1.446	0.73	0.000	0.517	0.52	1.10	0.57
54.95	118.39	3.068	55.99	1.448	0.73	0.000	0.517	0.52	1.10	0.57
55.00	118.35	3.071	55.95	1.449	0.73	0.000	0.517	0.52	1.10	0.57
55.05	118.31	3.074	55.91	1.450	0.73	0.000	0.517	0.52	1.10	0.57
55.10	118.27	3.076	55.87	1.452	0.73	0.000	0.517	0.52	1.10	0.57
55.15	118.23	3.079	55.83	1.453	0.73	0.000	0.517	0.52	1.10	0.57
55.20	118.19	3.082	55.79	1.454	0.72	0.000	0.517	0.52	1.10	0.57

55.25	118.15	3.085	55.75	1.456	0.72	0.000	0.517	0.52	1.10	0.57
55.30	118.10	3.087	55.70	1.457	0.72	0.000	0.517	0.52	1.10	0.57
55.35	118.06	3.090	55.66	1.458	0.72	0.000	0.517	0.52	1.10	0.57
55.40	118.02	3.093	55.62	1.459	0.72	0.000	0.517	0.52	1.10	0.57
55.45	117.98	3.096	55.58	1.461	0.72	0.000	0.517	0.51	1.10	0.57
55.50	117.94	3.099	55.54	1.462	0.72	0.000	0.517	0.51	1.10	0.57
55.55	117.90	3.101	55.50	1.463	0.72	0.000	0.517	0.51	1.10	0.57
55.60	117.86	3.104	55.46	1.465	0.72	0.000	0.517	0.51	1.10	0.57
55.65	117.82	3.107	55.42	1.466	0.72	0.000	0.517	0.51	1.10	0.56
55.70	117.78	3.110	55.38	1.467	0.72	0.000	0.517	0.51	1.10	0.56
55.75	117.74	3.113	55.34	1.469	0.72	0.000	0.517	0.51	1.10	0.56
55.80	117.69	3.115	55.29	1.470	0.72	0.000	0.517	0.51	1.10	0.56
55.85	117.65	3.118	55.25	1.471	0.72	0.000	0.517	0.51	1.10	0.56
55.90	117.61	3.121	55.21	1.473	0.72	0.000	0.517	0.51	1.10	0.56
55.95	117.57	3.124	55.17	1.474	0.72	0.000	0.517	0.51	1.10	0.56
56.00	117.53	3.126	55.13	1.475	0.72	0.000	0.517	0.51	1.10	0.56
56.05	117.49	3.129	55.09	1.477	0.72	0.000	0.517	0.51	1.10	0.56
56.10	117.45	3.132	55.05	1.478	0.72	0.000	0.517	0.51	1.10	0.56
56.15	117.41	3.135	55.01	1.479	0.72	0.000	0.517	0.51	1.10	0.56
56.20	117.37	3.138	54.97	1.480	0.72	0.000	0.517	0.51	1.10	0.56
56.25	117.33	3.140	54.93	1.482	0.72	0.000	0.517	0.51	1.10	0.56
56.30	117.28	3.143	54.88	1.483	0.72	0.000	0.517	0.51	1.10	0.56
56.35	117.24	3.146	54.84	1.484	0.72	0.000	0.517	0.51	1.10	0.56
56.40	117.20	3.149	54.80	1.486	0.72	0.000	0.517	0.51	1.10	0.56
56.45	117.16	3.151	54.76	1.487	0.71	0.000	0.517	0.51	1.10	0.56
56.50	117.12	3.154	54.72	1.488	0.71	0.000	0.517	0.51	1.10	0.56
56.55	117.08	3.157	54.68	1.489	0.71	0.000	0.517	0.51	1.10	0.56
56.60	117.04	3.160	54.64	1.491	0.71	0.000	0.517	0.51	1.10	0.56
56.65	117.00	3.162	54.60	1.492	0.71	0.000	0.517	0.51	1.10	0.56
56.70	116.96	3.165	54.56	1.493	0.71	0.000	0.517	0.51	1.10	0.56
56.75	116.92	3.168	54.52	1.495	0.71	0.000	0.517	0.51	1.10	0.56
56.80	116.87	3.171	54.47	1.496	0.71	0.000	0.517	0.51	1.10	0.56
56.85	116.83	3.174	54.43	1.497	0.71	0.000	0.517	0.51	1.10	0.56
56.90	116.79	3.176	54.39	1.499	0.71	0.000	0.517	0.51	1.10	0.56
56.95	116.75	3.179	54.35	1.500	0.71	0.000	0.517	0.51	1.10	0.56
57.00	116.71	3.182	54.31	1.501	0.71	0.000	0.517	0.51	1.10	0.56
57.05	116.67	3.185	54.27	1.502	0.71	0.000	0.517	0.51	1.10	0.56
57.10	116.63	3.187	54.23	1.504	0.71	0.000	0.517	0.51	1.10	0.56
57.15	116.59	3.190	54.19	1.505	0.71	0.000	0.517	0.51	1.10	0.56
57.20	116.55	3.193	54.15	1.506	0.71	0.000	0.517	0.50	1.10	0.56
57.25	116.51	3.196	54.11	1.507	0.71	0.000	0.517	0.50	1.10	0.55
57.30	116.46	3.198	54.06	1.509	0.71	0.000	0.517	0.50	1.10	0.55
57.35	116.42	3.201	54.02	1.510	0.71	0.000	0.517	0.50	1.10	0.55
57.40	116.38	3.204	53.98	1.511	0.71	0.000	0.517	0.50	1.10	0.55
57.45	116.34	3.207	53.94	1.513	0.71	0.000	0.517	0.50	1.10	0.55
57.50	116.30	3.209	53.90	1.514	0.71	0.000	0.517	0.50	1.10	0.55
57.55	116.22	3.212	53.82	1.515	0.71	0.000	0.517	0.50	1.10	0.55
57.60	116.14	3.215	53.74	1.516	0.71	0.000	0.517	0.50	1.10	0.55
57.65	116.06	3.218	53.66	1.518	0.70	0.000	0.517	0.50	1.10	0.55
57.70	115.98	3.220	53.58	1.519	0.70	0.000	0.517	0.50	1.10	0.55
57.75	115.90	3.223	53.50	1.520	0.70	0.000	0.517	0.50	1.10	0.55
57.80	115.82	3.226	53.42	1.521	0.70	0.000	0.517	0.50	1.10	0.55
57.85	115.74	3.229	53.34	1.523	0.70	0.000	0.517	0.50	1.10	0.55
57.90	115.66	3.231	53.26	1.524	0.70	0.000	0.517	0.50	1.10	0.55
57.95	115.58	3.234	53.18	1.525	0.70	0.000	0.517	0.50	1.10	0.55
58.00	115.50	3.237	53.10	1.527	0.70	0.000	0.517	0.50	1.10	0.55
58.05	115.42	3.239	53.02	1.528	0.70	0.000	0.517	0.50	1.10	0.55
58.10	115.34	3.242	52.94	1.529	0.70	0.000	0.517	0.50	1.10	0.55
58.15	115.26	3.245	52.86	1.530	0.70	0.000	0.517	0.50	1.10	0.55
58.20	115.18	3.248	52.78	1.532	0.70	0.000	0.517	0.50	1.10	0.55
58.25	115.10	3.250	52.70	1.533	0.70	0.000	0.517	0.50	1.10	0.55
58.30	115.02	3.253	52.62	1.534	0.70	0.000	0.517	0.50	1.10	0.55
58.35	114.94	3.256	52.54	1.535	0.70	0.000	0.517	0.50	1.10	0.55
58.40	114.86	3.259	52.46	1.536	0.70	0.000	0.517	0.50	1.10	0.55
58.45	114.78	3.261	52.38	1.538	0.70	0.000	0.517	0.50	1.10	0.55
58.50	114.70	3.264	52.30	1.539	0.70	0.000	0.517	0.50	1.10	0.55
58.55	114.62	3.267	52.22	1.540	0.70	0.000	0.517	0.50	1.10	0.55
58.60	114.54	3.269	52.14	1.541	0.70	0.000	0.517	0.50	1.10	0.55
58.65	114.46	3.272	52.06	1.543	0.70	0.000	0.517	0.50	1.10	0.55
58.70	114.38	3.275	51.98	1.544	0.70	0.000	0.517	0.50	1.10	0.55
58.75	114.30	3.277	51.90	1.545	0.70	0.000	0.517	0.50	1.10	0.55
58.80	114.22	3.280	51.82	1.546	0.70	0.000	0.517	0.50	1.10	0.55
58.85	114.14	3.283	51.74	1.548	0.70	0.000	0.517	0.50	1.10	0.55

58.90	114.06	3.286	51.66	1.549	0.69	0.000	0.517	0.50	1.10	0.54
58.95	113.98	3.288	51.58	1.550	0.69	0.000	0.517	0.49	1.10	0.54
59.00	113.90	3.291	51.50	1.551	0.69	0.000	0.517	0.49	1.10	0.54
59.05	113.82	3.294	51.42	1.552	0.69	0.000	0.517	0.49	1.10	0.54
59.10	113.74	3.296	51.34	1.554	0.69	0.000	0.517	0.49	1.10	0.54
59.15	113.66	3.299	51.26	1.555	0.69	0.000	0.517	0.49	1.10	0.54
59.20	113.58	3.302	51.18	1.556	0.69	0.000	0.517	0.49	1.10	0.54
59.25	113.50	3.304	51.10	1.557	0.69	0.000	0.517	0.49	1.10	0.54
59.30	113.42	3.307	51.02	1.559	0.69	0.000	0.517	0.49	1.10	0.54
59.35	113.34	3.310	50.94	1.560	0.69	0.000	0.517	0.49	1.10	0.54
59.40	113.26	3.312	50.86	1.561	0.69	0.000	0.517	0.49	1.10	0.54
59.45	113.18	3.315	50.78	1.562	0.69	0.000	0.517	0.49	1.10	0.54
59.50	113.10	3.318	50.70	1.563	0.69	0.000	0.517	0.49	1.10	0.54
59.55	113.02	3.320	50.62	1.565	0.69	0.000	0.517	0.49	1.10	0.54
59.60	112.94	3.323	50.54	1.566	0.69	0.000	0.517	0.49	1.10	0.54
59.65	112.86	3.326	50.46	1.567	0.69	0.000	0.517	0.49	1.10	0.54
59.70	112.78	3.328	50.38	1.568	0.69	0.000	0.517	0.49	1.10	0.54
59.75	112.70	3.331	50.30	1.569	0.69	0.000	0.517	0.49	1.10	0.54
59.80	112.62	3.334	50.22	1.570	0.69	0.000	0.517	0.49	1.10	0.54
59.85	112.54	3.336	50.14	1.572	0.69	0.000	0.517	0.49	1.10	0.54
59.90	112.46	3.339	50.06	1.573	0.69	0.000	0.517	0.49	1.10	0.54
59.95	112.38	3.342	49.98	1.574	0.69	0.000	0.517	0.49	1.10	0.54
60.00	112.30	3.344	49.90	1.575	0.69	0.000	0.517	0.49	1.10	0.54
60.05	112.22	3.347	49.82	1.576	0.69	0.000	0.517	0.49	1.10	0.54
60.10	112.14	3.350	49.74	1.578	0.68	0.000	0.517	0.49	1.10	0.54
60.15	112.06	3.352	49.66	1.579	0.68	0.000	0.517	0.49	1.10	0.54
60.20	111.98	3.355	49.58	1.580	0.68	0.000	0.517	0.49	1.10	0.54
60.25	111.90	3.358	49.50	1.581	0.68	0.000	0.517	0.49	1.10	0.54
60.30	111.82	3.360	49.42	1.582	0.68	0.000	0.517	0.49	1.10	0.54
60.35	111.74	3.363	49.34	1.583	0.68	0.000	0.517	0.49	1.10	0.54
60.40	111.66	3.366	49.26	1.585	0.68	0.000	0.517	0.49	1.10	0.54
60.45	111.58	3.368	49.18	1.586	0.68	0.000	0.517	0.49	1.10	0.54
60.50	111.50	3.371	49.10	1.587	0.68	0.000	0.517	0.49	1.10	0.54
60.55	111.42	3.374	49.02	1.588	0.68	0.000	0.517	0.49	1.10	0.53
60.60	111.34	3.376	48.94	1.589	0.68	0.000	0.517	0.49	1.10	0.53
60.65	111.26	3.379	48.86	1.590	0.68	0.000	0.517	0.49	1.10	0.53
60.70	111.18	3.381	48.78	1.592	0.68	0.000	0.517	0.49	1.10	0.53
60.75	111.10	3.384	48.70	1.593	0.68	0.000	0.517	0.49	1.10	0.53
60.80	111.02	3.387	48.62	1.594	0.68	0.000	0.517	0.48	1.10	0.53
60.85	110.94	3.389	48.54	1.595	0.68	0.000	0.517	0.48	1.10	0.53
60.90	110.86	3.392	48.46	1.596	0.68	0.000	0.517	0.48	1.10	0.53
60.95	110.78	3.395	48.38	1.597	0.68	0.000	0.517	0.48	1.10	0.53
61.00	110.70	3.397	48.30	1.598	0.68	0.000	0.517	0.48	1.10	0.53
61.05	110.62	3.400	48.22	1.600	0.68	0.000	0.517	0.48	1.10	0.53
61.10	110.54	3.402	48.14	1.601	0.68	0.000	0.517	0.48	1.10	0.53
61.15	110.46	3.405	48.06	1.602	0.68	0.000	0.517	0.48	1.10	0.53
61.20	110.38	3.408	47.98	1.603	0.68	0.000	0.517	0.48	1.10	0.53
61.25	110.30	3.410	47.90	1.604	0.68	0.000	0.517	0.48	1.10	0.53
61.30	110.22	3.413	47.82	1.605	0.68	0.000	0.517	0.48	1.10	0.53
61.35	110.14	3.415	47.74	1.606	0.67	0.000	0.517	0.48	1.10	0.53
61.40	110.06	3.418	47.66	1.608	0.67	0.000	0.517	0.48	1.10	0.53
61.45	109.98	3.421	47.58	1.609	0.67	0.000	0.517	0.48	1.10	0.53
61.50	109.90	3.423	47.50	1.610	0.67	0.000	0.517	0.48	1.10	0.53
61.55	109.82	3.426	47.42	1.611	0.67	0.000	0.517	0.48	1.10	0.53
61.60	109.74	3.428	47.34	1.612	0.67	0.000	0.517	0.48	1.10	0.53
61.65	109.66	3.431	47.26	1.613	0.67	0.000	0.517	0.48	1.10	0.53
61.70	109.58	3.434	47.18	1.614	0.67	0.000	0.517	0.48	1.10	0.53
61.75	109.50	3.436	47.10	1.615	0.67	0.000	0.517	0.48	1.10	0.53
61.80	109.42	3.439	47.02	1.616	0.67	0.000	0.517	0.48	1.10	0.53
61.85	109.34	3.441	46.94	1.618	0.67	0.000	0.517	0.48	1.10	0.53
61.90	109.26	3.444	46.86	1.619	0.67	0.000	0.517	0.48	1.10	0.53
61.95	109.18	3.447	46.78	1.620	0.67	0.000	0.517	0.48	1.10	0.53
62.00	109.10	3.449	46.70	1.621	0.67	0.000	0.517	0.48	1.10	0.53
62.05	109.02	3.452	46.62	1.622	0.67	0.000	0.517	0.48	1.10	0.53
62.10	108.94	3.454	46.54	1.623	0.67	0.000	0.517	0.48	1.10	0.53
62.15	108.86	3.457	46.46	1.624	0.67	0.000	0.517	0.48	1.10	0.53
62.20	108.78	3.459	46.38	1.625	0.67	0.000	0.517	0.48	1.10	0.53
62.25	108.70	3.462	46.30	1.626	0.67	0.000	0.517	0.48	1.10	0.53
62.30	108.62	3.465	46.22	1.628	0.67	0.000	0.517	0.48	1.10	0.52
62.35	108.54	3.467	46.14	1.629	0.67	0.000	0.517	0.48	1.10	0.52
62.40	108.46	3.470	46.06	1.630	0.67	0.000	0.517	0.48	1.10	0.52
62.45	108.38	3.472	45.98	1.631	0.67	0.000	0.517	0.48	1.10	0.52
62.50	108.30	3.475	45.90	1.632	0.67	0.000	0.517	0.48	1.10	0.52

62.55	108.30	3.477	45.90	1.633	0.66	0.000	0.517	0.48	1.10	0.52
62.60	108.30	3.480	45.90	1.634	0.66	0.000	0.517	0.48	1.10	0.52
62.65	108.30	3.482	45.90	1.635	0.66	0.000	0.517	0.48	1.10	0.52
62.70	108.31	3.485	45.91	1.636	0.66	0.000	0.517	0.48	1.10	0.52
62.75	108.31	3.488	45.91	1.637	0.66	0.000	0.517	0.47	1.10	0.52
62.80	108.31	3.490	45.91	1.638	0.66	0.000	0.517	0.47	1.10	0.52
62.85	108.31	3.493	45.91	1.639	0.66	0.000	0.517	0.47	1.10	0.52
62.90	108.31	3.495	45.91	1.641	0.66	0.000	0.517	0.47	1.10	0.52
62.95	108.31	3.498	45.91	1.642	0.66	0.000	0.517	0.47	1.10	0.52
63.00	108.31	3.500	45.91	1.643	0.66	0.000	0.517	0.47	1.10	0.52
63.05	108.31	3.503	45.91	1.644	0.66	0.000	0.517	0.47	1.10	0.52
63.10	108.32	3.505	45.92	1.645	0.66	0.000	0.517	0.47	1.10	0.52
63.15	108.32	3.508	45.92	1.646	0.66	0.000	0.517	0.47	1.10	0.52
63.20	108.32	3.511	45.92	1.647	0.66	0.000	0.517	0.47	1.10	0.52
63.25	108.32	3.513	45.92	1.648	0.66	0.000	0.517	0.47	1.10	0.52
63.30	108.32	3.516	45.92	1.649	0.66	0.000	0.517	0.47	1.10	0.52
63.35	108.32	3.518	45.92	1.650	0.66	0.000	0.517	0.47	1.10	0.52
63.40	108.32	3.521	45.92	1.651	0.66	0.000	0.517	0.47	1.10	0.52
63.45	108.33	3.523	45.93	1.652	0.66	0.000	0.517	0.47	1.10	0.52
63.50	108.33	3.526	45.93	1.654	0.66	0.000	0.517	0.47	1.10	0.52
63.55	108.33	3.529	45.93	1.655	0.66	0.000	0.517	0.47	1.10	0.52
63.60	108.33	3.531	45.93	1.656	0.66	0.000	0.517	0.47	1.10	0.52
63.65	108.33	3.534	45.93	1.657	0.66	0.000	0.517	0.47	1.10	0.52
63.70	108.33	3.536	45.93	1.658	0.66	0.000	0.517	0.47	1.10	0.52
63.75	108.33	3.539	45.93	1.659	0.66	0.000	0.517	0.47	1.10	0.52
63.80	108.33	3.541	45.93	1.660	0.65	0.000	0.517	0.47	1.10	0.52
63.85	108.34	3.544	45.94	1.661	0.65	0.000	0.517	0.47	1.10	0.52
63.90	108.34	3.546	45.94	1.662	0.65	0.000	0.517	0.47	1.10	0.52
63.95	108.34	3.549	45.94	1.663	0.65	0.000	0.517	0.47	1.10	0.52
64.00	108.34	3.552	45.94	1.664	0.65	0.000	0.517	0.47	1.10	0.52
64.05	108.34	3.554	45.94	1.665	0.65	0.000	0.517	0.47	1.10	0.51
64.10	108.34	3.557	45.94	1.667	0.65	0.000	0.517	0.47	1.10	0.51
64.15	108.34	3.559	45.94	1.668	0.65	0.000	0.517	0.47	1.10	0.51
64.20	108.35	3.562	45.95	1.669	0.65	0.000	0.517	0.47	1.10	0.51
64.25	108.35	3.564	45.95	1.670	0.65	0.000	0.517	0.47	1.10	0.51
64.30	108.35	3.567	45.95	1.671	0.65	0.000	0.517	0.47	1.10	0.51
64.35	108.35	3.569	45.95	1.672	0.65	0.000	0.517	0.47	1.10	0.51
64.40	108.35	3.572	45.95	1.673	0.65	0.000	0.517	0.47	1.10	0.51
64.45	108.35	3.575	45.95	1.674	0.65	0.000	0.517	0.47	1.10	0.51
64.50	108.35	3.577	45.95	1.675	0.65	0.000	0.517	0.47	1.10	0.51
64.55	108.35	3.580	45.95	1.676	0.65	0.000	0.517	0.47	1.10	0.51
64.60	108.36	3.582	45.96	1.677	0.65	0.000	0.517	0.47	1.10	0.51
64.65	108.36	3.585	45.96	1.679	0.65	0.000	0.517	0.47	1.10	0.51
64.70	108.36	3.587	45.96	1.680	0.65	0.000	0.517	0.46	1.10	0.51
64.75	108.36	3.590	45.96	1.681	0.65	0.000	0.517	0.46	1.10	0.51
64.80	108.36	3.593	45.96	1.682	0.65	0.000	0.517	0.46	1.10	0.51
64.85	108.36	3.595	45.96	1.683	0.65	0.000	0.517	0.46	1.10	0.51
64.90	108.36	3.598	45.96	1.684	0.65	0.000	0.517	0.46	1.10	0.51
64.95	108.37	3.600	45.97	1.685	0.65	0.000	0.517	0.46	1.10	0.51
65.00	108.37	3.603	45.97	1.686	0.65	0.000	0.517	0.46	1.10	0.51
65.05	108.37	3.605	45.97	1.687	0.64	0.000	0.517	0.46	1.10	0.51
65.10	108.37	3.608	45.97	1.688	0.64	0.000	0.517	0.46	1.10	0.51
65.15	108.37	3.610	45.97	1.689	0.64	0.000	0.517	0.46	1.10	0.51
65.20	108.37	3.613	45.97	1.690	0.64	0.000	0.517	0.46	1.10	0.51
65.25	108.37	3.616	45.97	1.692	0.64	0.000	0.517	0.46	1.10	0.51
65.30	108.37	3.618	45.97	1.693	0.64	0.000	0.517	0.46	1.10	0.51
65.35	108.38	3.621	45.98	1.694	0.64	0.000	0.517	0.46	1.10	0.51
65.40	108.38	3.623	45.98	1.695	0.64	0.000	0.517	0.46	1.10	0.51
65.45	108.38	3.626	45.98	1.696	0.64	0.000	0.517	0.46	1.10	0.51
65.50	108.38	3.628	45.98	1.697	0.64	0.000	0.517	0.46	1.10	0.51
65.55	108.38	3.631	45.98	1.698	0.64	0.000	0.517	0.46	1.10	0.51
65.60	108.38	3.633	45.98	1.699	0.64	0.000	0.517	0.46	1.10	0.51
65.65	108.38	3.636	45.98	1.700	0.64	0.000	0.517	0.46	1.10	0.51
65.70	108.39	3.639	45.99	1.701	0.64	0.000	0.517	0.46	1.10	0.51
65.75	108.39	3.641	45.99	1.702	0.64	0.000	0.517	0.46	1.10	0.51
65.80	108.39	3.644	45.99	1.704	0.64	0.000	0.517	0.46	1.10	0.50
65.85	108.39	3.646	45.99	1.705	0.64	0.000	0.517	0.46	1.10	0.50
65.90	108.39	3.649	45.99	1.706	0.64	0.000	0.517	0.46	1.10	0.50
65.95	108.39	3.651	45.99	1.707	0.64	0.000	0.517	0.46	1.10	0.50
66.00	108.39	3.654	45.99	1.708	0.64	0.000	0.517	0.46	1.10	0.50
66.05	108.39	3.657	45.99	1.709	0.64	0.000	0.517	0.46	1.10	0.50
66.10	108.40	3.659	46.00	1.710	0.64	0.000	0.517	0.46	1.10	0.50
66.15	108.40	3.662	46.00	1.711	0.64	0.000	0.517	0.46	1.10	0.50

66.20	108.40	3.664	46.00	1.712	0.64	0.000	0.517	0.46	1.10	0.50
66.25	108.40	3.667	46.00	1.713	0.63	0.000	0.517	0.46	1.10	0.50
66.30	108.40	3.669	46.00	1.714	0.63	0.000	0.517	0.46	1.10	0.50
66.35	108.40	3.672	46.00	1.715	0.63	0.000	0.517	0.46	1.10	0.50
66.40	108.40	3.674	46.00	1.717	0.63	0.000	0.517	0.46	1.10	0.50
66.45	108.41	3.677	46.01	1.718	0.63	0.000	0.517	0.46	1.10	0.50
66.50	108.41	3.680	46.01	1.719	0.63	0.000	0.517	0.46	1.10	0.50
66.55	108.41	3.682	46.01	1.720	0.63	0.000	0.517	0.46	1.10	0.50
66.60	108.41	3.685	46.01	1.721	0.63	0.000	0.517	0.45	1.10	0.50
66.65	108.41	3.687	46.01	1.722	0.63	0.000	0.517	0.45	1.10	0.50
66.70	108.41	3.690	46.01	1.723	0.63	0.000	0.517	0.45	1.10	0.50
66.75	108.41	3.692	46.01	1.724	0.63	0.000	0.517	0.45	1.10	0.50
66.80	108.41	3.695	46.01	1.725	0.63	0.000	0.517	0.45	1.10	0.50
66.85	108.42	3.698	46.02	1.726	0.63	0.000	0.517	0.45	1.10	0.50
66.90	108.42	3.700	46.02	1.727	0.63	0.000	0.517	0.45	1.10	0.50
66.95	108.42	3.703	46.02	1.729	0.63	0.000	0.517	0.45	1.10	0.50
67.00	108.42	3.705	46.02	1.730	0.63	0.000	0.517	0.45	1.10	0.50
67.05	108.42	3.708	46.02	1.731	0.63	0.000	0.517	0.45	1.10	0.50
67.10	108.42	3.710	46.02	1.732	0.63	0.000	0.517	0.45	1.10	0.50
67.15	108.42	3.713	46.02	1.733	0.63	0.000	0.517	0.45	1.10	0.50
67.20	108.43	3.715	46.03	1.734	0.63	0.000	0.517	0.45	1.10	0.50
67.25	108.43	3.718	46.03	1.735	0.63	0.000	0.517	0.45	1.10	0.50
67.30	108.43	3.721	46.03	1.736	0.63	0.000	0.517	0.45	1.10	0.50
67.35	108.43	3.723	46.03	1.737	0.63	0.000	0.517	0.45	1.10	0.50
67.40	108.43	3.726	46.03	1.738	0.63	0.000	0.517	0.45	1.10	0.50
67.45	108.43	3.728	46.03	1.739	0.63	0.000	0.517	0.45	1.10	0.50
67.50	108.43	3.731	46.03	1.740	0.62	0.000	0.517	0.45	1.10	0.50
67.55	108.43	3.733	46.03	1.742	0.62	0.000	0.517	0.45	1.10	0.49
67.60	108.44	3.736	46.04	1.743	0.62	0.000	0.517	0.45	1.10	0.49
67.65	108.44	3.739	46.04	1.744	0.62	0.000	0.517	0.45	1.10	0.49
67.70	108.44	3.741	46.04	1.745	0.62	0.000	0.517	0.45	1.10	0.49
67.75	108.44	3.744	46.04	1.746	0.62	0.000	0.517	0.45	1.10	0.49
67.80	108.44	3.746	46.04	1.747	0.62	0.000	0.517	0.45	1.10	0.49
67.85	108.44	3.749	46.04	1.748	0.62	0.000	0.517	0.45	1.10	0.49
67.90	108.44	3.751	46.04	1.749	0.62	0.000	0.517	0.45	1.10	0.49
67.95	108.45	3.754	46.05	1.750	0.62	0.000	0.517	0.45	1.10	0.49
68.00	108.45	3.756	46.05	1.751	0.62	0.000	0.517	0.45	1.10	0.49
68.05	108.45	3.759	46.05	1.752	0.62	0.000	0.517	0.45	1.10	0.49
68.10	108.45	3.762	46.05	1.754	0.62	0.000	0.517	0.45	1.10	0.49
68.15	108.45	3.764	46.05	1.755	0.62	0.000	0.517	0.45	1.10	0.49
68.20	108.45	3.767	46.05	1.756	0.62	0.000	0.517	0.45	1.10	0.49
68.25	108.45	3.769	46.05	1.757	0.62	0.000	0.517	0.45	1.10	0.49
68.30	108.45	3.772	46.05	1.758	0.62	0.000	0.517	0.45	1.10	0.49
68.35	108.46	3.774	46.06	1.759	0.62	0.000	0.517	0.45	1.10	0.49
68.40	108.46	3.777	46.06	1.760	0.62	0.000	0.517	0.45	1.10	0.49
68.45	108.46	3.780	46.06	1.761	0.62	0.000	0.517	0.44	1.10	0.49
68.50	108.46	3.782	46.06	1.762	0.62	0.000	0.517	0.44	1.10	0.49
68.55	108.46	3.785	46.06	1.763	0.62	0.000	0.517	0.44	1.10	0.49
68.60	108.46	3.787	46.06	1.764	0.62	0.000	0.517	0.44	1.10	0.49
68.65	108.46	3.790	46.06	1.765	0.62	0.000	0.517	0.44	1.10	0.49
68.70	108.47	3.792	46.07	1.767	0.61	0.000	0.517	0.44	1.10	0.49
68.75	108.47	3.795	46.07	1.768	0.61	0.000	0.517	0.44	1.10	0.49
68.80	108.47	3.797	46.07	1.769	0.61	0.000	0.517	0.44	1.10	0.49
68.85	108.47	3.800	46.07	1.770	0.61	0.000	0.517	0.44	1.10	0.49
68.90	108.47	3.803	46.07	1.771	0.61	0.000	0.517	0.44	1.10	0.49
68.95	108.47	3.805	46.07	1.772	0.61	0.000	0.517	0.44	1.10	0.49
69.00	108.47	3.808	46.07	1.773	0.61	0.000	0.517	0.44	1.10	0.49
69.05	108.47	3.810	46.07	1.774	0.61	0.000	0.517	0.44	1.10	0.49
69.10	108.48	3.813	46.08	1.775	0.61	0.000	0.517	0.44	1.10	0.49
69.15	108.48	3.815	46.08	1.776	0.61	0.000	0.517	0.44	1.10	0.49
69.20	108.48	3.818	46.08	1.777	0.61	0.000	0.517	0.44	1.10	0.49
69.25	108.48	3.821	46.08	1.779	0.61	0.000	0.517	0.44	1.10	0.48
69.30	108.48	3.823	46.08	1.780	0.61	0.000	0.517	0.44	1.10	0.48
69.35	108.48	3.826	46.08	1.781	0.61	0.000	0.517	0.44	1.10	0.48
69.40	108.48	3.828	46.08	1.782	0.61	0.000	0.517	0.44	1.10	0.48
69.45	108.49	3.831	46.09	1.783	0.61	0.000	0.517	0.44	1.10	0.48
69.50	108.49	3.833	46.09	1.784	0.61	0.000	0.517	0.44	1.10	0.48
69.55	108.49	3.836	46.09	1.785	0.61	0.000	0.517	0.44	1.10	0.48
69.60	108.49	3.838	46.09	1.786	0.61	0.000	0.517	0.44	1.10	0.48
69.65	108.49	3.841	46.09	1.787	0.61	0.000	0.517	0.44	1.10	0.48
69.70	108.49	3.844	46.09	1.788	0.61	0.000	0.517	0.44	1.10	0.48
69.75	108.49	3.846	46.09	1.789	0.61	0.000	0.517	0.44	1.10	0.48
69.80	108.49	3.849	46.09	1.791	0.61	0.000	0.517	0.44	1.10	0.48

69.85	108.50	3.851	46.10	1.792	0.61	0.000	0.517	0.44	1.10	0.48
69.90	108.50	3.854	46.10	1.793	0.61	0.000	0.517	0.44	1.10	0.48
69.95	108.50	3.856	46.10	1.794	0.60	0.000	0.517	0.44	1.10	0.48
70.00	108.50	3.859	46.10	1.795	0.60	0.000	0.517	0.44	1.10	0.48

CSR is based on water table at 0.00 during earthquake

CRR Calculation from SPT or BPT data:

Depth ft	SPT	Cebs	Cr	sigma' atm	Cn	(N1)60	Fines %	d(N1)60	(N1)60f	CRR7.5
7.50	16.00	1.96	0.75	0.324	1.70	39.98	NoLiq	13.00	52.97	0.50
7.55	16.00	1.96	0.75	0.326	1.70	39.98	NoLiq	13.00	52.97	0.50
7.60	16.00	1.96	0.75	0.328	1.70	39.98	NoLiq	13.00	52.97	0.50
7.65	16.00	1.96	0.75	0.330	1.70	39.98	NoLiq	13.00	52.97	0.50
7.70	16.00	1.96	0.75	0.333	1.70	39.98	NoLiq	13.00	52.97	0.50
7.75	16.00	1.96	0.75	0.335	1.70	39.98	NoLiq	13.00	52.97	0.50
7.80	16.00	1.96	0.75	0.337	1.70	39.98	NoLiq	13.00	52.97	0.50
7.85	16.00	1.96	0.75	0.339	1.70	39.98	NoLiq	13.00	52.97	0.50
7.90	16.00	1.96	0.75	0.341	1.70	39.98	NoLiq	13.00	52.97	0.50
7.95	16.00	1.96	0.75	0.344	1.70	39.98	NoLiq	13.00	52.97	0.50
8.00	16.00	1.96	0.75	0.346	1.70	39.98	NoLiq	13.00	52.97	0.50
8.05	16.00	1.96	0.75	0.348	1.69	39.86	NoLiq	12.97	52.83	0.50
8.10	16.00	1.96	0.75	0.350	1.69	39.73	NoLiq	12.95	52.68	0.50
8.15	16.00	1.96	0.75	0.353	1.68	39.60	NoLiq	12.92	52.52	0.50
8.20	16.00	1.96	0.75	0.355	1.68	39.48	NoLiq	12.90	52.37	0.50
8.25	16.00	1.96	0.85	0.357	1.67	44.60	NoLiq	13.92	58.52	0.50
8.30	16.00	1.96	0.85	0.359	1.67	44.46	NoLiq	13.89	58.35	0.50
8.35	16.00	1.96	0.85	0.362	1.66	44.32	NoLiq	13.86	58.18	0.50
8.40	16.00	1.96	0.85	0.364	1.66	44.18	NoLiq	13.84	58.01	0.50
8.45	16.00	1.96	0.85	0.366	1.65	44.04	NoLiq	13.81	57.85	0.50
8.50	16.00	1.96	0.85	0.369	1.65	43.90	NoLiq	13.78	57.68	0.50
8.55	16.00	1.96	0.85	0.371	1.64	43.76	NoLiq	13.75	57.52	0.50
8.60	16.00	1.96	0.85	0.373	1.64	43.63	NoLiq	13.73	57.35	0.50
8.65	16.00	1.96	0.85	0.375	1.63	43.49	NoLiq	13.70	57.19	0.50
8.70	16.00	1.96	0.85	0.378	1.63	43.36	NoLiq	13.67	57.03	0.50
8.75	16.00	1.96	0.85	0.380	1.62	43.23	NoLiq	13.65	56.87	0.50
8.80	16.00	1.96	0.85	0.382	1.62	43.09	NoLiq	13.62	56.71	0.50
8.85	16.00	1.96	0.85	0.385	1.61	42.96	NoLiq	13.59	56.55	0.50
8.90	16.00	1.96	0.85	0.387	1.61	42.83	NoLiq	13.57	56.40	0.50
8.95	16.00	1.96	0.85	0.390	1.60	42.70	NoLiq	13.54	56.24	0.50
9.00	16.00	1.96	0.85	0.392	1.60	42.57	NoLiq	13.51	56.09	0.50
9.05	16.00	1.96	0.85	0.394	1.59	42.44	NoLiq	13.49	55.93	0.50
9.10	16.00	1.96	0.85	0.397	1.59	42.31	NoLiq	13.46	55.78	0.50
9.15	16.00	1.96	0.85	0.399	1.58	42.19	NoLiq	13.44	55.63	0.50
9.20	16.00	1.96	0.85	0.401	1.58	42.06	NoLiq	13.41	55.47	0.50
9.25	16.00	1.96	0.85	0.404	1.57	41.94	NoLiq	13.39	55.32	0.50
9.30	16.00	1.96	0.85	0.406	1.57	41.81	NoLiq	13.36	55.17	0.50
9.35	16.00	1.96	0.85	0.409	1.56	41.69	NoLiq	13.34	55.02	0.50
9.40	16.00	1.96	0.85	0.411	1.56	41.56	NoLiq	13.31	54.88	0.50
9.45	16.00	1.96	0.85	0.414	1.55	41.44	NoLiq	13.29	54.73	0.50
9.50	16.00	1.96	0.85	0.416	1.55	41.32	NoLiq	13.26	54.58	0.50
9.55	16.00	1.96	0.85	0.418	1.55	41.20	NoLiq	13.24	54.44	0.50
9.60	16.00	1.96	0.85	0.421	1.54	41.08	NoLiq	13.22	54.29	0.50
9.65	16.00	1.96	0.85	0.423	1.54	40.96	NoLiq	13.19	54.15	0.50
9.70	16.00	1.96	0.85	0.426	1.53	40.84	NoLiq	13.17	54.01	0.50
9.75	16.00	1.96	0.85	0.428	1.53	40.72	NoLiq	13.14	53.86	0.50
9.80	16.00	1.96	0.85	0.431	1.52	40.60	NoLiq	13.12	53.72	0.50
9.85	16.00	1.96	0.85	0.433	1.52	40.48	NoLiq	13.10	53.58	0.50
9.90	16.00	1.96	0.85	0.436	1.51	40.37	NoLiq	13.07	53.44	0.50
9.95	16.00	1.96	0.85	0.438	1.51	40.25	NoLiq	13.05	53.30	0.50
10.00	16.00	1.96	0.85	0.441	1.51	40.14	NoLiq	13.03	53.16	0.50
10.05	16.00	1.96	0.85	0.443	1.50	40.02	NoLiq	13.00	53.03	0.50
10.10	16.00	1.96	0.85	0.446	1.50	39.91	NoLiq	12.98	52.89	0.50
10.15	16.00	1.96	0.85	0.448	1.49	39.80	NoLiq	12.96	52.75	0.50
10.20	16.00	1.96	0.85	0.451	1.49	39.68	NoLiq	12.94	52.62	0.50
10.25	16.00	1.96	0.85	0.454	1.48	39.57	NoLiq	12.91	52.49	0.50
10.30	16.00	1.96	0.85	0.456	1.48	39.46	NoLiq	12.89	52.35	0.50
10.35	16.00	1.96	0.85	0.459	1.48	39.35	NoLiq	12.87	52.22	0.50
10.40	16.00	1.96	0.85	0.461	1.47	39.24	NoLiq	12.85	52.09	0.50
10.45	16.00	1.96	0.85	0.464	1.47	39.13	NoLiq	12.83	51.96	0.50
10.50	16.00	1.96	0.85	0.466	1.46	39.02	NoLiq	12.80	51.82	0.50
10.55	16.00	1.96	0.85	0.469	1.46	38.91	NoLiq	12.78	51.70	0.50

10.60	16.00	1.96	0.85	0.472	1.46	38.80	NoLiq	12.76	51.57	0.50
10.65	16.00	1.96	0.85	0.474	1.45	38.70	NoLiq	12.74	51.44	0.50
10.70	16.00	1.96	0.85	0.477	1.45	38.59	NoLiq	12.72	51.31	0.50
10.75	16.00	1.96	0.85	0.480	1.44	38.49	NoLiq	12.70	51.18	0.50
10.80	16.00	1.96	0.85	0.482	1.44	38.38	NoLiq	12.68	51.06	0.50
10.85	16.00	1.96	0.85	0.485	1.44	38.28	NoLiq	12.66	50.93	0.50
10.90	16.00	1.96	0.85	0.487	1.43	38.17	NoLiq	12.63	50.81	0.50
10.95	16.00	1.96	0.85	0.490	1.43	38.07	NoLiq	12.61	50.68	0.50
11.00	16.00	1.96	0.85	0.493	1.42	37.96	NoLiq	12.59	50.56	0.50
11.05	16.00	1.96	0.85	0.495	1.42	37.86	NoLiq	12.57	50.43	0.50
11.10	16.00	1.96	0.85	0.498	1.42	37.76	NoLiq	12.55	50.31	0.50
11.15	16.00	1.96	0.85	0.501	1.41	37.66	NoLiq	12.53	50.19	0.50
11.20	16.00	1.96	0.85	0.504	1.41	37.56	NoLiq	12.51	50.07	0.50
11.25	16.00	1.96	0.85	0.506	1.41	37.46	NoLiq	12.49	49.95	0.50
11.30	16.00	1.96	0.85	0.509	1.40	37.36	NoLiq	12.47	49.83	0.50
11.35	16.00	1.96	0.85	0.512	1.40	37.26	NoLiq	12.45	49.71	0.50
11.40	16.00	1.96	0.85	0.514	1.39	37.16	NoLiq	12.43	49.59	0.50
11.45	16.00	1.96	0.85	0.517	1.39	37.06	NoLiq	12.41	49.47	0.50
11.50	16.00	1.96	0.85	0.520	1.39	36.96	NoLiq	12.39	49.36	0.50
11.55	16.00	1.96	0.85	0.523	1.38	36.87	NoLiq	12.37	49.24	0.50
11.60	16.00	1.96	0.85	0.525	1.38	36.77	NoLiq	12.35	49.12	0.50
11.65	16.00	1.96	0.85	0.528	1.38	36.67	NoLiq	12.33	49.01	0.50
11.70	16.00	1.96	0.85	0.531	1.37	36.58	NoLiq	12.32	48.89	0.50
11.75	16.00	1.96	0.85	0.534	1.37	36.48	NoLiq	12.30	48.78	0.50
11.80	16.00	1.96	0.85	0.536	1.37	36.39	NoLiq	12.28	48.67	0.50
11.85	16.00	1.96	0.85	0.539	1.36	36.29	NoLiq	12.26	48.55	0.50
11.90	16.00	1.96	0.85	0.542	1.36	36.20	NoLiq	12.24	48.44	0.50
11.95	16.00	1.96	0.85	0.545	1.35	36.11	NoLiq	12.22	48.33	0.50
12.00	16.00	1.96	0.85	0.548	1.35	36.01	NoLiq	12.20	48.22	0.50
12.05	16.00	1.96	0.85	0.550	1.35	35.92	NoLiq	12.18	48.11	0.50
12.10	16.00	1.96	0.85	0.553	1.34	35.83	NoLiq	12.17	48.00	0.50
12.15	16.00	1.96	0.85	0.556	1.34	35.74	NoLiq	12.15	47.89	0.50
12.20	16.00	1.96	0.85	0.559	1.34	35.65	NoLiq	12.13	47.78	0.50
12.25	16.00	1.96	0.85	0.562	1.33	35.56	NoLiq	12.11	47.67	0.50
12.30	16.00	1.96	0.85	0.565	1.33	35.47	NoLiq	12.09	47.56	0.50
12.35	16.00	1.96	0.85	0.568	1.33	35.38	NoLiq	12.08	47.45	0.50
12.40	16.00	1.96	0.85	0.570	1.32	35.29	NoLiq	12.06	47.35	0.50
12.45	16.00	1.96	0.85	0.573	1.32	35.20	NoLiq	12.04	47.24	0.50
12.50	16.00	1.96	0.85	0.576	1.32	35.11	NoLiq	12.02	47.13	0.50
12.55	15.92	1.96	0.85	0.579	1.31	34.85	NoLiq	11.97	46.82	0.50
12.60	15.84	1.96	0.85	0.582	1.31	34.59	NoLiq	11.92	46.50	0.50
12.65	15.76	1.96	0.85	0.585	1.31	34.33	NoLiq	11.87	46.19	0.50
12.70	15.68	1.96	0.85	0.588	1.30	34.07	NoLiq	11.81	45.88	0.50
12.75	15.60	1.96	0.85	0.591	1.30	33.81	NoLiq	11.76	45.57	0.50
12.80	15.52	1.96	0.85	0.593	1.30	33.56	NoLiq	11.71	45.27	0.50
12.85	15.44	1.96	0.85	0.596	1.29	33.30	NoLiq	11.66	44.96	0.50
12.90	15.36	1.96	0.85	0.599	1.29	33.05	NoLiq	11.61	44.66	0.50
12.95	15.28	1.96	0.85	0.602	1.29	32.80	NoLiq	11.56	44.36	0.50
13.00	15.20	1.96	0.85	0.605	1.29	32.55	NoLiq	11.51	44.06	0.50
13.05	15.12	1.96	0.85	0.608	1.28	32.30	NoLiq	11.46	43.76	0.50
13.10	15.04	1.96	0.85	0.611	1.28	32.05	NoLiq	11.41	43.46	0.50
13.15	14.96	1.96	0.85	0.614	1.28	31.81	NoLiq	11.36	43.17	0.50
13.20	14.88	1.96	0.85	0.617	1.27	31.56	NoLiq	11.31	42.88	0.50
13.25	14.80	1.96	0.85	0.619	1.27	31.32	NoLiq	11.26	42.59	0.50
13.30	14.72	1.96	0.85	0.622	1.27	31.08	NoLiq	11.22	42.30	0.50
13.35	14.64	1.96	0.85	0.625	1.26	30.84	NoLiq	11.17	42.01	0.50
13.40	14.56	1.96	0.85	0.628	1.26	30.60	NoLiq	11.12	41.72	0.50
13.45	14.48	1.96	0.85	0.631	1.26	30.36	NoLiq	11.07	41.43	0.50
13.50	14.40	1.96	0.85	0.634	1.26	30.13	NoLiq	11.03	41.15	0.50
13.55	14.32	1.96	0.85	0.637	1.25	29.89	NoLiq	10.98	40.87	0.50
13.60	14.24	1.96	0.85	0.640	1.25	29.66	NoLiq	10.93	40.59	0.50
13.65	14.16	1.96	0.85	0.643	1.25	29.42	NoLiq	10.88	40.31	0.50
13.70	14.08	1.96	0.85	0.645	1.24	29.19	NoLiq	10.84	40.03	0.50
13.75	14.00	1.96	0.85	0.648	1.24	28.96	NoLiq	10.79	39.75	0.50
13.80	13.92	1.96	0.85	0.651	1.24	28.73	NoLiq	10.75	39.48	0.50
13.85	13.84	1.96	0.85	0.654	1.24	28.50	NoLiq	10.70	39.20	0.50
13.90	13.76	1.96	0.85	0.657	1.23	28.28	NoLiq	10.66	38.93	0.50
13.95	13.68	1.96	0.85	0.660	1.23	28.05	NoLiq	10.61	38.66	0.50
14.00	13.60	1.96	0.85	0.663	1.23	27.83	NoLiq	10.57	38.39	0.50
14.05	13.52	1.96	0.85	0.666	1.23	27.60	NoLiq	10.52	38.12	0.50
14.10	13.44	1.96	0.85	0.668	1.22	27.38	NoLiq	10.48	37.86	0.50
14.15	13.36	1.96	0.85	0.671	1.22	27.16	NoLiq	10.43	37.59	0.50
14.20	13.28	1.96	0.85	0.674	1.22	26.94	NoLiq	10.39	37.33	0.50

14.25	13.20	1.96	0.85	0.677	1.22	26.72	NoLiq	10.34	37.06	0.50
14.30	13.12	1.96	0.85	0.680	1.21	26.50	NoLiq	10.30	36.80	0.50
14.35	13.04	1.96	0.85	0.683	1.21	26.28	NoLiq	10.26	36.54	0.50
14.40	12.96	1.96	0.85	0.686	1.21	26.07	NoLiq	10.21	36.28	0.50
14.45	12.88	1.96	0.85	0.689	1.21	25.85	NoLiq	10.17	36.02	0.50
14.50	12.80	1.96	0.85	0.692	1.20	25.64	NoLiq	10.13	35.77	0.50
14.55	12.72	1.96	0.85	0.694	1.20	25.43	NoLiq	10.09	35.51	0.50
14.60	12.64	1.96	0.85	0.697	1.20	25.21	NoLiq	10.04	35.26	0.50
14.65	12.56	1.96	0.85	0.700	1.20	25.00	NoLiq	10.00	35.00	0.50
14.70	12.48	1.96	0.85	0.703	1.19	24.79	NoLiq	9.96	34.75	0.50
14.75	12.40	1.96	0.85	0.706	1.19	24.58	NoLiq	9.92	34.50	0.50
14.80	12.32	1.96	0.95	0.709	1.19	27.24	NoLiq	10.45	37.69	0.50
14.85	12.24	1.96	0.95	0.712	1.19	27.01	NoLiq	10.40	37.41	0.50
14.90	12.16	1.96	0.95	0.715	1.18	26.78	NoLiq	10.36	37.14	0.50
14.95	12.08	1.96	0.95	0.717	1.18	26.55	NoLiq	10.31	36.86	0.50
15.00	12.00	1.96	0.95	0.720	1.18	26.32	NoLiq	10.26	36.59	0.50
15.05	11.92	1.96	0.95	0.723	1.18	26.09	NoLiq	10.22	36.31	0.50
15.10	11.84	1.96	0.95	0.726	1.17	25.87	NoLiq	10.17	36.04	0.50
15.15	11.76	1.96	0.95	0.729	1.17	25.64	NoLiq	10.13	35.77	0.50
15.20	11.68	1.96	0.95	0.732	1.17	25.42	NoLiq	10.08	35.50	0.50
15.25	11.60	1.96	0.95	0.735	1.17	25.19	NoLiq	10.04	35.23	0.50
15.30	11.52	1.96	0.95	0.738	1.16	24.97	NoLiq	9.99	34.97	0.50
15.35	11.44	1.96	0.95	0.740	1.16	24.75	NoLiq	9.95	34.70	0.50
15.40	11.36	1.96	0.95	0.743	1.16	24.53	NoLiq	9.91	34.44	0.50
15.45	11.28	1.96	0.95	0.746	1.16	24.31	NoLiq	9.86	34.17	0.50
15.50	11.20	1.96	0.95	0.749	1.16	24.09	NoLiq	9.82	33.91	0.50
15.55	11.12	1.96	0.95	0.752	1.15	23.87	NoLiq	9.77	33.65	0.50
15.60	11.04	1.96	0.95	0.755	1.15	23.66	NoLiq	9.73	33.39	0.50
15.65	10.96	1.96	0.95	0.758	1.15	23.44	NoLiq	9.69	33.13	0.50
15.70	10.88	1.96	0.95	0.760	1.15	23.23	NoLiq	9.65	32.87	0.50
15.75	10.80	1.96	0.95	0.763	1.14	23.01	NoLiq	9.60	32.61	0.50
15.80	10.72	1.96	0.95	0.766	1.14	22.80	NoLiq	9.56	32.36	0.50
15.85	10.64	1.96	0.95	0.769	1.14	22.59	NoLiq	9.52	32.10	0.50
15.90	10.56	1.96	0.95	0.772	1.14	22.38	NoLiq	9.48	31.85	0.50
15.95	10.48	1.96	0.95	0.775	1.14	22.16	NoLiq	9.43	31.60	0.50
16.00	10.40	1.96	0.95	0.778	1.13	21.95	NoLiq	9.39	31.35	0.50
16.05	10.32	1.96	0.95	0.781	1.13	21.75	NoLiq	9.35	31.09	0.50
16.10	10.24	1.96	0.95	0.783	1.13	21.54	NoLiq	9.31	30.85	0.50
16.15	10.16	1.96	0.95	0.786	1.13	21.33	NoLiq	9.27	30.60	0.50
16.20	10.08	1.96	0.95	0.789	1.13	21.12	NoLiq	9.22	30.35	0.50
16.25	10.00	1.96	0.95	0.792	1.12	20.92	NoLiq	9.18	30.10	0.49
16.30	9.92	1.96	0.95	0.795	1.12	20.71	NoLiq	9.14	29.86	0.43
16.35	9.84	1.96	0.95	0.798	1.12	20.51	NoLiq	9.10	29.61	0.41
16.40	9.76	1.96	0.95	0.801	1.12	20.31	NoLiq	9.06	29.37	0.39
16.45	9.68	1.96	0.95	0.803	1.12	20.10	NoLiq	9.02	29.13	0.38
16.50	9.60	1.96	0.95	0.806	1.11	19.90	NoLiq	8.98	28.88	0.37
16.55	9.52	1.96	0.95	0.809	1.11	19.70	NoLiq	8.94	28.64	0.36
16.60	9.44	1.96	0.95	0.812	1.11	19.50	NoLiq	8.90	28.40	0.35
16.65	9.36	1.96	0.95	0.815	1.11	19.30	NoLiq	8.86	28.16	0.35
16.70	9.28	1.96	0.95	0.818	1.11	19.10	NoLiq	8.82	27.92	0.34
16.75	9.20	1.96	0.95	0.821	1.10	18.91	NoLiq	8.78	27.69	0.34
16.80	9.12	1.96	0.95	0.823	1.10	18.71	NoLiq	8.74	27.45	0.33
16.85	9.04	1.96	0.95	0.826	1.10	18.51	NoLiq	8.70	27.22	0.32
16.90	8.96	1.96	0.95	0.829	1.10	18.32	NoLiq	8.66	26.98	0.32
16.95	8.88	1.96	0.95	0.832	1.10	18.12	NoLiq	8.62	26.75	0.31
17.00	8.80	1.96	0.95	0.835	1.09	17.93	NoLiq	8.59	26.51	0.31
17.05	8.72	1.96	0.95	0.836	1.09	17.75	NoLiq	8.55	26.30	0.31
17.10	8.64	1.96	0.95	0.838	1.09	17.57	NoLiq	8.51	26.09	0.30
17.15	8.56	1.96	0.95	0.839	1.09	17.40	NoLiq	8.48	25.88	0.30
17.20	8.48	1.96	0.95	0.840	1.09	17.22	NoLiq	8.44	25.66	0.29
17.25	8.40	1.96	0.95	0.842	1.09	17.04	NoLiq	8.41	25.45	0.29
17.30	8.32	1.96	0.95	0.843	1.09	16.87	NoLiq	8.37	25.24	0.29
17.35	8.24	1.96	0.95	0.845	1.09	16.69	NoLiq	8.34	25.03	0.28
17.40	8.16	1.96	0.95	0.846	1.09	16.52	NoLiq	8.30	24.82	0.28
17.45	8.08	1.96	0.95	0.847	1.09	16.34	NoLiq	8.27	24.61	0.28
17.50	8.00	1.96	0.95	0.849	1.09	16.17	NoLiq	8.23	24.40	0.27
17.55	8.00	1.96	0.95	0.850	1.08	16.15	NoLiq	8.23	24.38	0.27
17.60	8.00	1.96	0.95	0.851	1.08	16.14	NoLiq	8.23	24.37	0.27
17.65	8.00	1.96	0.95	0.853	1.08	16.13	NoLiq	8.23	24.35	0.27
17.70	8.00	1.96	0.95	0.854	1.08	16.11	NoLiq	8.22	24.34	0.27
17.75	8.00	1.96	0.95	0.856	1.08	16.10	NoLiq	8.22	24.32	0.27
17.80	8.00	1.96	0.95	0.857	1.08	16.09	NoLiq	8.22	24.31	0.27
17.85	8.00	1.96	0.95	0.858	1.08	16.07	NoLiq	8.21	24.29	0.27

17.90	8.00	1.96	0.95	0.860	1.08	16.06	NoLiq	8.21	24.27	0.27
17.95	8.00	1.96	0.95	0.861	1.08	16.05	NoLiq	8.21	24.26	0.27
18.00	8.00	1.96	0.95	0.863	1.08	16.04	NoLiq	8.21	24.24	0.27
18.05	8.00	1.96	0.95	0.864	1.08	16.02	NoLiq	8.20	24.23	0.27
18.10	8.00	1.96	0.95	0.865	1.08	16.01	NoLiq	8.20	24.21	0.27
18.15	8.00	1.96	0.95	0.867	1.07	16.00	NoLiq	8.20	24.20	0.27
18.20	8.00	1.96	0.95	0.868	1.07	15.98	NoLiq	8.20	24.18	0.27
18.25	8.00	1.96	0.95	0.869	1.07	15.97	NoLiq	8.19	24.17	0.27
18.30	8.00	1.96	0.95	0.871	1.07	15.96	NoLiq	8.19	24.15	0.27
18.35	8.00	1.96	0.95	0.872	1.07	15.95	NoLiq	8.19	24.14	0.27
18.40	8.00	1.96	0.95	0.874	1.07	15.93	NoLiq	8.19	24.12	0.27
18.45	8.00	1.96	0.95	0.875	1.07	15.92	NoLiq	8.18	24.11	0.27
18.50	8.00	1.96	0.95	0.876	1.07	15.91	NoLiq	8.18	24.09	0.27
18.55	8.00	1.96	0.95	0.878	1.07	15.90	NoLiq	8.18	24.08	0.27
18.60	8.00	1.96	0.95	0.879	1.07	15.88	NoLiq	8.18	24.06	0.27
18.65	8.00	1.96	0.95	0.881	1.07	15.87	NoLiq	8.17	24.04	0.27
18.70	8.00	1.96	0.95	0.882	1.06	15.86	NoLiq	8.17	24.03	0.27
18.75	8.00	1.96	0.95	0.883	1.06	15.85	NoLiq	8.17	24.01	0.27
18.80	8.00	1.96	0.95	0.885	1.06	15.83	NoLiq	8.17	24.00	0.27
18.85	8.00	1.96	0.95	0.886	1.06	15.82	NoLiq	8.16	23.98	0.27
18.90	8.00	1.96	0.95	0.888	1.06	15.81	NoLiq	8.16	23.97	0.27
18.95	8.00	1.96	0.95	0.889	1.06	15.80	NoLiq	8.16	23.96	0.27
19.00	8.00	1.96	0.95	0.890	1.06	15.78	NoLiq	8.16	23.94	0.27
19.05	8.00	1.96	0.95	0.892	1.06	15.77	NoLiq	8.15	23.93	0.27
19.10	8.00	1.96	0.95	0.893	1.06	15.76	NoLiq	8.15	23.91	0.27
19.15	8.00	1.96	0.95	0.895	1.06	15.75	NoLiq	8.15	23.90	0.27
19.20	8.00	1.96	0.95	0.896	1.06	15.73	NoLiq	8.15	23.88	0.27
19.25	8.00	1.96	0.95	0.897	1.06	15.72	NoLiq	8.14	23.87	0.27
19.30	8.00	1.96	0.95	0.899	1.05	15.71	NoLiq	8.14	23.85	0.27
19.35	8.00	1.96	0.95	0.900	1.05	15.70	NoLiq	8.14	23.84	0.26
19.40	8.00	1.96	0.95	0.901	1.05	15.69	NoLiq	8.14	23.82	0.26
19.45	8.00	1.96	0.95	0.903	1.05	15.67	NoLiq	8.13	23.81	0.26
19.50	8.00	1.96	0.95	0.904	1.05	15.66	NoLiq	8.13	23.79	0.26
19.55	8.00	1.96	0.95	0.906	1.05	15.65	NoLiq	8.13	23.78	0.26
19.60	8.00	1.96	0.95	0.907	1.05	15.64	NoLiq	8.13	23.76	0.26
19.65	8.00	1.96	0.95	0.908	1.05	15.63	NoLiq	8.13	23.75	0.26
19.70	8.00	1.96	0.95	0.910	1.05	15.61	NoLiq	8.12	23.74	0.26
19.75	8.00	1.96	0.95	0.911	1.05	15.60	NoLiq	8.12	23.72	0.26
19.80	8.00	1.96	0.95	0.913	1.05	15.59	NoLiq	8.12	23.71	0.26
19.85	8.00	1.96	0.95	0.914	1.05	15.58	NoLiq	8.12	23.69	0.26
19.90	8.00	1.96	0.95	0.915	1.05	15.57	NoLiq	8.11	23.68	0.26
19.95	8.00	1.96	0.95	0.917	1.04	15.55	NoLiq	8.11	23.66	0.26
20.00	8.00	1.96	0.95	0.918	1.04	15.54	NoLiq	8.11	23.65	0.26
20.05	8.00	1.96	0.95	0.920	1.04	15.53	NoLiq	8.11	23.64	0.26
20.10	8.00	1.96	0.95	0.921	1.04	15.52	NoLiq	8.10	23.62	0.26
20.15	8.00	1.96	0.95	0.923	1.04	15.51	NoLiq	8.10	23.61	0.26
20.20	8.00	1.96	0.95	0.924	1.04	15.49	NoLiq	8.10	23.59	0.26
20.25	8.00	1.96	0.95	0.925	1.04	15.48	NoLiq	8.10	23.58	0.26
20.30	8.00	1.96	0.95	0.927	1.04	15.47	NoLiq	8.09	23.56	0.26
20.35	8.00	1.96	0.95	0.928	1.04	15.46	NoLiq	8.09	23.55	0.26
20.40	8.00	1.96	0.95	0.930	1.04	15.45	NoLiq	8.09	23.54	0.26
20.45	8.00	1.96	0.95	0.931	1.04	15.44	NoLiq	8.09	23.52	0.26
20.50	8.00	1.96	0.95	0.932	1.04	15.42	NoLiq	8.08	23.51	0.26
20.55	8.00	1.96	0.95	0.934	1.03	15.41	NoLiq	8.08	23.49	0.26
20.60	8.00	1.96	0.95	0.935	1.03	15.40	NoLiq	8.08	23.48	0.26
20.65	8.00	1.96	0.95	0.937	1.03	15.39	NoLiq	8.08	23.47	0.26
20.70	8.00	1.96	0.95	0.938	1.03	15.38	NoLiq	8.08	23.45	0.26
20.75	8.00	1.96	0.95	0.939	1.03	15.37	NoLiq	8.07	23.44	0.26
20.80	8.00	1.96	0.95	0.941	1.03	15.35	NoLiq	8.07	23.43	0.26
20.85	8.00	1.96	0.95	0.942	1.03	15.34	NoLiq	8.07	23.41	0.26
20.90	8.00	1.96	0.95	0.944	1.03	15.33	NoLiq	8.07	23.40	0.26
20.95	8.00	1.96	0.95	0.945	1.03	15.32	NoLiq	8.06	23.38	0.26
21.00	8.00	1.96	0.95	0.946	1.03	15.31	NoLiq	8.06	23.37	0.26
21.05	8.00	1.96	0.95	0.948	1.03	15.30	NoLiq	8.06	23.36	0.26
21.10	8.00	1.96	0.95	0.949	1.03	15.29	NoLiq	8.06	23.34	0.26
21.15	8.00	1.96	0.95	0.951	1.03	15.27	NoLiq	8.05	23.33	0.26
21.20	8.00	1.96	0.95	0.952	1.02	15.26	NoLiq	8.05	23.32	0.26
21.25	8.00	1.96	0.95	0.954	1.02	15.25	NoLiq	8.05	23.30	0.26
21.30	8.00	1.96	0.95	0.955	1.02	15.24	NoLiq	8.05	23.29	0.26
21.35	8.00	1.96	0.95	0.956	1.02	15.23	NoLiq	8.05	23.27	0.26
21.40	8.00	1.96	0.95	0.958	1.02	15.22	NoLiq	8.04	23.26	0.26
21.45	8.00	1.96	0.95	0.959	1.02	15.21	NoLiq	8.04	23.25	0.26
21.50	8.00	1.96	0.95	0.961	1.02	15.20	NoLiq	8.04	23.23	0.26

21.55	8.00	1.96	0.95	0.962	1.02	15.18	NoLiq	8.04	23.22	0.26
21.60	8.00	1.96	0.95	0.963	1.02	15.17	NoLiq	8.03	23.21	0.26
21.65	8.00	1.96	0.95	0.965	1.02	15.16	NoLiq	8.03	23.19	0.26
21.70	8.00	1.96	0.95	0.966	1.02	15.15	NoLiq	8.03	23.18	0.26
21.75	8.00	1.96	0.95	0.968	1.02	15.14	NoLiq	8.03	23.17	0.26
21.80	8.00	1.96	0.95	0.969	1.02	15.13	NoLiq	8.03	23.15	0.26
21.85	8.00	1.96	0.95	0.971	1.02	15.12	NoLiq	8.02	23.14	0.26
21.90	8.00	1.96	0.95	0.972	1.01	15.11	NoLiq	8.02	23.13	0.25
21.95	8.00	1.96	0.95	0.973	1.01	15.10	NoLiq	8.02	23.11	0.25
22.00	8.00	1.96	0.95	0.975	1.01	15.08	NoLiq	8.02	23.10	0.25
22.05	8.00	1.96	0.95	0.976	1.01	15.07	NoLiq	8.01	23.09	0.25
22.10	8.00	1.96	0.95	0.978	1.01	15.06	NoLiq	8.01	23.07	0.25
22.15	8.00	1.96	0.95	0.979	1.01	15.05	NoLiq	8.01	23.06	0.25
22.20	8.00	1.96	0.95	0.980	1.01	15.04	NoLiq	8.01	23.05	0.25
22.25	8.00	1.96	0.95	0.982	1.01	15.03	NoLiq	8.01	23.04	0.25
22.30	8.00	1.96	0.95	0.983	1.01	15.02	NoLiq	8.00	23.02	0.25
22.35	8.00	1.96	0.95	0.985	1.01	15.01	NoLiq	8.00	23.01	0.25
22.40	8.00	1.96	0.95	0.986	1.01	15.00	NoLiq	8.00	23.00	0.25
22.45	8.00	1.96	0.95	0.988	1.01	14.99	NoLiq	8.00	22.98	0.25
22.50	8.00	1.96	0.95	0.989	1.01	14.98	NoLiq	8.00	22.97	0.25
22.55	8.01	1.96	0.95	0.990	1.00	14.98	NoLiq	8.00	22.98	0.25
22.60	8.02	1.96	0.95	0.992	1.00	14.99	NoLiq	8.00	22.99	0.25
22.65	8.03	1.96	0.95	0.993	1.00	15.00	NoLiq	8.00	23.00	0.25
22.70	8.04	1.96	0.95	0.995	1.00	15.01	NoLiq	8.00	23.01	0.25
22.75	8.05	1.96	0.95	0.996	1.00	15.01	NoLiq	8.00	23.02	0.25
22.80	8.06	1.96	0.95	0.998	1.00	15.02	NoLiq	8.00	23.03	0.25
22.85	8.07	1.96	0.95	0.999	1.00	15.03	NoLiq	8.01	23.04	0.25
22.90	8.08	1.96	0.95	1.000	1.00	15.04	NoLiq	8.01	23.05	0.25
22.95	8.09	1.96	0.95	1.002	1.00	15.05	NoLiq	8.01	23.06	0.25
23.00	8.10	1.96	0.95	1.003	1.00	15.05	NoLiq	8.01	23.07	0.25
23.05	8.11	1.96	0.95	1.005	1.00	15.06	NoLiq	8.01	23.07	0.25
23.10	8.12	1.96	0.95	1.006	1.00	15.07	NoLiq	8.01	23.08	0.25
23.15	8.13	1.96	0.95	1.008	1.00	15.08	NoLiq	8.02	23.09	0.25
23.20	8.14	1.96	0.95	1.009	1.00	15.09	NoLiq	8.02	23.10	0.25
23.25	8.15	1.96	0.95	1.010	0.99	15.09	NoLiq	8.02	23.11	0.25
23.30	8.16	1.96	0.95	1.012	0.99	15.10	NoLiq	8.02	23.12	0.25
23.35	8.17	1.96	0.95	1.013	0.99	15.11	NoLiq	8.02	23.13	0.25
23.40	8.18	1.96	0.95	1.015	0.99	15.12	NoLiq	8.02	23.14	0.26
23.45	8.19	1.96	0.95	1.016	0.99	15.13	NoLiq	8.03	23.15	0.26
23.50	8.20	1.96	0.95	1.018	0.99	15.13	NoLiq	8.03	23.16	0.26
23.55	8.21	1.96	0.95	1.019	0.99	15.14	NoLiq	8.03	23.17	0.26
23.60	8.22	1.96	0.95	1.020	0.99	15.15	NoLiq	8.03	23.18	0.26
23.65	8.23	1.96	0.95	1.022	0.99	15.16	NoLiq	8.03	23.19	0.26
23.70	8.24	1.96	0.95	1.023	0.99	15.16	NoLiq	8.03	23.20	0.26
23.75	8.25	1.96	0.95	1.025	0.99	15.17	NoLiq	8.03	23.21	0.26
23.80	8.26	1.96	0.95	1.026	0.99	15.18	NoLiq	8.04	23.22	0.26
23.85	8.27	1.96	0.95	1.028	0.99	15.19	NoLiq	8.04	23.23	0.26
23.90	8.28	1.96	0.95	1.029	0.99	15.20	NoLiq	8.04	23.23	0.26
23.95	8.29	1.96	0.95	1.030	0.99	15.20	NoLiq	8.04	23.24	0.26
24.00	8.30	1.96	0.95	1.032	0.98	15.21	NoLiq	8.04	23.25	0.26
24.05	8.31	1.96	0.95	1.033	0.98	15.22	NoLiq	8.04	23.26	0.26
24.10	8.32	1.96	0.95	1.035	0.98	15.23	NoLiq	8.05	23.27	0.26
24.15	8.33	1.96	0.95	1.036	0.98	15.23	NoLiq	8.05	23.28	0.26
24.20	8.34	1.96	0.95	1.037	0.98	15.24	NoLiq	8.05	23.29	0.26
24.25	8.35	1.96	0.95	1.039	0.98	15.25	NoLiq	8.05	23.30	0.26
24.30	8.36	1.96	0.95	1.040	0.98	15.26	NoLiq	8.05	23.31	0.26
24.35	8.37	1.96	0.95	1.042	0.98	15.27	NoLiq	8.05	23.32	0.26
24.40	8.38	1.96	0.95	1.043	0.98	15.27	NoLiq	8.05	23.33	0.26
24.45	8.39	1.96	0.95	1.045	0.98	15.28	NoLiq	8.06	23.34	0.26
24.50	8.40	1.96	0.95	1.046	0.98	15.29	NoLiq	8.06	23.35	0.26
24.55	8.41	1.96	0.95	1.047	0.98	15.30	NoLiq	8.06	23.36	0.26
24.60	8.42	1.96	0.95	1.049	0.98	15.31	NoLiq	8.06	23.37	0.26
24.65	8.43	1.96	0.95	1.050	0.98	15.31	NoLiq	8.06	23.38	0.26
24.70	8.44	1.96	0.95	1.052	0.98	15.32	NoLiq	8.06	23.38	0.26
24.75	8.45	1.96	0.95	1.053	0.97	15.33	NoLiq	8.07	23.39	0.26
24.80	8.46	1.96	0.95	1.055	0.97	15.34	NoLiq	8.07	23.40	0.26
24.85	8.47	1.96	0.95	1.056	0.97	15.34	NoLiq	8.07	23.41	0.26
24.90	8.48	1.96	0.95	1.057	0.97	15.35	NoLiq	8.07	23.42	0.26
24.95	8.49	1.96	0.95	1.059	0.97	15.36	NoLiq	8.07	23.43	0.26
25.00	8.50	1.96	0.95	1.060	0.97	15.37	NoLiq	8.07	23.44	0.26
25.05	8.51	1.96	0.95	1.062	0.97	15.38	NoLiq	8.08	23.45	0.26
25.10	8.52	1.96	0.95	1.063	0.97	15.38	NoLiq	8.08	23.46	0.26
25.15	8.53	1.96	0.95	1.065	0.97	15.39	NoLiq	8.08	23.47	0.26

25.20	8.54	1.96	0.95	1.066	0.97	15.40	NoLiq	8.08	23.48	0.26
25.25	8.55	1.96	0.95	1.067	0.97	15.41	NoLiq	8.08	23.49	0.26
25.30	8.56	1.96	0.95	1.069	0.97	15.41	NoLiq	8.08	23.50	0.26
25.35	8.57	1.96	0.95	1.070	0.97	15.42	NoLiq	8.08	23.51	0.26
25.40	8.58	1.96	0.95	1.072	0.97	15.43	NoLiq	8.09	23.52	0.26
25.45	8.59	1.96	0.95	1.073	0.97	15.44	NoLiq	8.09	23.52	0.26
25.50	8.60	1.96	0.95	1.074	0.96	15.45	NoLiq	8.09	23.53	0.26
25.55	8.61	1.96	0.95	1.076	0.96	15.45	NoLiq	8.09	23.54	0.26
25.60	8.62	1.96	0.95	1.077	0.96	15.46	NoLiq	8.09	23.55	0.26
25.65	8.63	1.96	0.95	1.079	0.96	15.47	NoLiq	8.09	23.56	0.26
25.70	8.64	1.96	0.95	1.080	0.96	15.48	NoLiq	8.10	23.57	0.26
25.75	8.65	1.96	0.95	1.082	0.96	15.48	NoLiq	8.10	23.58	0.26
25.80	8.66	1.96	0.95	1.083	0.96	15.49	NoLiq	8.10	23.59	0.26
25.85	8.67	1.96	0.95	1.084	0.96	15.50	NoLiq	8.10	23.60	0.26
25.90	8.68	1.96	0.95	1.086	0.96	15.51	NoLiq	8.10	23.61	0.26
25.95	8.69	1.96	0.95	1.087	0.96	15.51	NoLiq	8.10	23.62	0.26
26.00	8.70	1.96	0.95	1.089	0.96	15.52	NoLiq	8.10	23.63	0.26
26.05	8.71	1.96	0.95	1.090	0.96	15.53	NoLiq	8.11	23.64	0.26
26.10	8.72	1.96	0.95	1.091	0.96	15.54	NoLiq	8.11	23.65	0.26
26.15	8.73	1.96	0.95	1.093	0.96	15.55	NoLiq	8.11	23.65	0.26
26.20	8.74	1.96	0.95	1.094	0.96	15.55	NoLiq	8.11	23.66	0.26
26.25	8.75	1.96	0.95	1.096	0.96	15.56	NoLiq	8.11	23.67	0.26
26.30	8.76	1.96	0.95	1.097	0.95	15.57	NoLiq	8.11	23.68	0.26
26.35	8.77	1.96	0.95	1.099	0.95	15.58	NoLiq	8.12	23.69	0.26
26.40	8.78	1.96	0.95	1.100	0.95	15.58	NoLiq	8.12	23.70	0.26
26.45	8.79	1.96	0.95	1.101	0.95	15.59	NoLiq	8.12	23.71	0.26
26.50	8.80	1.96	0.95	1.103	0.95	15.60	NoLiq	8.12	23.72	0.26
26.55	8.81	1.96	0.95	1.104	0.95	15.61	NoLiq	8.12	23.73	0.26
26.60	8.82	1.96	0.95	1.106	0.95	15.62	NoLiq	8.12	23.74	0.26
26.65	8.83	1.96	0.95	1.107	0.95	15.62	NoLiq	8.12	23.75	0.26
26.70	8.84	1.96	0.95	1.109	0.95	15.63	NoLiq	8.13	23.76	0.26
26.75	8.85	1.96	0.95	1.110	0.95	15.64	NoLiq	8.13	23.77	0.26
26.80	8.86	1.96	0.95	1.111	0.95	15.65	NoLiq	8.13	23.78	0.26
26.85	8.87	1.96	0.95	1.113	0.95	15.65	NoLiq	8.13	23.78	0.26
26.90	8.88	1.96	0.95	1.114	0.95	15.66	NoLiq	8.13	23.79	0.26
26.95	8.89	1.96	0.95	1.116	0.95	15.67	NoLiq	8.13	23.80	0.26
27.00	8.90	1.96	0.95	1.117	0.95	15.68	NoLiq	8.14	23.81	0.26
27.05	8.91	1.96	0.95	1.118	0.95	15.68	NoLiq	8.14	23.82	0.26
27.10	8.92	1.96	0.95	1.120	0.94	15.69	NoLiq	8.14	23.83	0.26
27.15	8.93	1.96	0.95	1.121	0.94	15.70	NoLiq	8.14	23.84	0.26
27.20	8.94	1.96	0.95	1.123	0.94	15.71	NoLiq	8.14	23.85	0.27
27.25	8.95	1.96	0.95	1.124	0.94	15.71	NoLiq	8.14	23.86	0.27
27.30	8.96	1.96	0.95	1.126	0.94	15.72	NoLiq	8.14	23.87	0.27
27.35	8.97	1.96	0.95	1.127	0.94	15.73	NoLiq	8.15	23.88	0.27
27.40	8.98	1.96	0.95	1.128	0.94	15.74	NoLiq	8.15	23.89	0.27
27.45	8.99	1.96	0.95	1.130	0.94	15.75	NoLiq	8.15	23.89	0.27
27.50	9.00	1.96	0.95	1.131	0.94	15.75	NoLiq	8.15	23.90	0.27
27.55	9.00	1.96	0.95	1.133	0.94	15.74	NoLiq	8.15	23.89	0.27
27.60	9.00	1.96	0.95	1.134	0.94	15.73	NoLiq	8.15	23.88	0.27
27.65	9.00	1.96	0.95	1.135	0.94	15.72	NoLiq	8.14	23.87	0.27
27.70	9.00	1.96	0.95	1.137	0.94	15.71	NoLiq	8.14	23.86	0.27
27.75	9.00	1.96	0.95	1.138	0.94	15.70	NoLiq	8.14	23.85	0.26
27.80	9.00	1.96	0.95	1.140	0.94	15.69	NoLiq	8.14	23.83	0.26
27.85	9.00	1.96	0.95	1.141	0.94	15.68	NoLiq	8.14	23.82	0.26
27.90	9.00	1.96	1.00	1.142	0.94	16.50	NoLiq	8.30	24.80	0.28
27.95	9.00	1.96	1.00	1.144	0.93	16.49	NoLiq	8.30	24.79	0.28
28.00	9.00	1.96	1.00	1.145	0.93	16.48	NoLiq	8.30	24.78	0.28
28.05	9.00	1.96	1.00	1.147	0.93	16.47	NoLiq	8.29	24.76	0.28
28.10	9.00	1.96	1.00	1.148	0.93	16.46	NoLiq	8.29	24.75	0.28
28.15	9.00	1.96	1.00	1.150	0.93	16.45	NoLiq	8.29	24.74	0.28
28.20	9.00	1.96	1.00	1.151	0.93	16.44	NoLiq	8.29	24.73	0.28
28.25	9.00	1.96	1.00	1.152	0.93	16.43	NoLiq	8.29	24.71	0.28
28.30	9.00	1.96	1.00	1.154	0.93	16.42	NoLiq	8.28	24.70	0.28
28.35	9.00	1.96	1.00	1.155	0.93	16.41	NoLiq	8.28	24.69	0.28
28.40	9.00	1.96	1.00	1.157	0.93	16.40	NoLiq	8.28	24.68	0.28
28.45	9.00	1.96	1.00	1.158	0.93	16.39	NoLiq	8.28	24.67	0.28
28.50	9.00	1.96	1.00	1.159	0.93	16.38	NoLiq	8.28	24.65	0.28
28.55	9.00	1.96	1.00	1.161	0.93	16.37	NoLiq	8.27	24.64	0.28
28.60	9.00	1.96	1.00	1.162	0.93	16.36	NoLiq	8.27	24.63	0.28
28.65	9.00	1.96	1.00	1.164	0.93	16.35	NoLiq	8.27	24.62	0.28
28.70	9.00	1.96	1.00	1.165	0.93	16.34	NoLiq	8.27	24.61	0.28
28.75	9.00	1.96	1.00	1.166	0.93	16.33	NoLiq	8.27	24.60	0.28
28.80	9.00	1.96	1.00	1.168	0.93	16.32	NoLiq	8.26	24.58	0.28

28.85	9.00	1.96	1.00	1.169	0.92	16.31	NoLiq	8.26	24.57	0.28
28.90	9.00	1.96	1.00	1.171	0.92	16.30	NoLiq	8.26	24.56	0.28
28.95	9.00	1.96	1.00	1.172	0.92	16.29	NoLiq	8.26	24.55	0.28
29.00	9.00	1.96	1.00	1.173	0.92	16.28	NoLiq	8.26	24.54	0.28
29.05	9.00	1.96	1.00	1.175	0.92	16.27	NoLiq	8.25	24.52	0.28
29.10	9.00	1.96	1.00	1.176	0.92	16.26	NoLiq	8.25	24.51	0.27
29.15	9.00	1.96	1.00	1.178	0.92	16.25	NoLiq	8.25	24.50	0.27
29.20	9.00	1.96	1.00	1.179	0.92	16.24	NoLiq	8.25	24.49	0.27
29.25	9.00	1.96	1.00	1.181	0.92	16.23	NoLiq	8.25	24.48	0.27
29.30	9.00	1.96	1.00	1.182	0.92	16.22	NoLiq	8.24	24.47	0.27
29.35	9.00	1.96	1.00	1.183	0.92	16.21	NoLiq	8.24	24.46	0.27
29.40	9.00	1.96	1.00	1.185	0.92	16.20	NoLiq	8.24	24.44	0.27
29.45	9.00	1.96	1.00	1.186	0.92	16.19	NoLiq	8.24	24.43	0.27
29.50	9.00	1.96	1.00	1.188	0.92	16.18	NoLiq	8.24	24.42	0.27
29.55	9.00	1.96	1.00	1.189	0.92	16.17	NoLiq	8.23	24.41	0.27
29.60	9.00	1.96	1.00	1.190	0.92	16.16	NoLiq	8.23	24.40	0.27
29.65	9.00	1.96	1.00	1.192	0.92	16.16	NoLiq	8.23	24.39	0.27
29.70	9.00	1.96	1.00	1.193	0.92	16.15	NoLiq	8.23	24.38	0.27
29.75	9.00	1.96	1.00	1.195	0.91	16.14	NoLiq	8.23	24.36	0.27
29.80	9.00	1.96	1.00	1.196	0.91	16.13	NoLiq	8.23	24.35	0.27
29.85	9.00	1.96	1.00	1.197	0.91	16.12	NoLiq	8.22	24.34	0.27
29.90	9.00	1.96	1.00	1.199	0.91	16.11	NoLiq	8.22	24.33	0.27
29.95	9.00	1.96	1.00	1.200	0.91	16.10	NoLiq	8.22	24.32	0.27
30.00	9.00	1.96	1.00	1.202	0.91	16.09	NoLiq	8.22	24.31	0.27
30.05	9.00	1.96	1.00	1.203	0.91	16.08	NoLiq	8.22	24.30	0.27
30.10	9.00	1.96	1.00	1.204	0.91	16.07	NoLiq	8.21	24.28	0.27
30.15	9.00	1.96	1.00	1.206	0.91	16.06	NoLiq	8.21	24.27	0.27
30.20	9.00	1.96	1.00	1.207	0.91	16.05	NoLiq	8.21	24.26	0.27
30.25	9.00	1.96	1.00	1.209	0.91	16.04	NoLiq	8.21	24.25	0.27
30.30	9.00	1.96	1.00	1.210	0.91	16.03	NoLiq	8.21	24.24	0.27
30.35	9.00	1.96	1.00	1.211	0.91	16.02	NoLiq	8.20	24.23	0.27
30.40	9.00	1.96	1.00	1.213	0.91	16.01	NoLiq	8.20	24.22	0.27
30.45	9.00	1.96	1.00	1.214	0.91	16.01	NoLiq	8.20	24.21	0.27
30.50	9.00	1.96	1.00	1.216	0.91	16.00	NoLiq	8.20	24.20	0.27
30.55	9.00	1.96	1.00	1.217	0.91	15.99	NoLiq	8.20	24.18	0.27
30.60	9.00	1.96	1.00	1.218	0.91	15.98	NoLiq	8.20	24.17	0.27
30.65	9.00	1.96	1.00	1.220	0.91	15.97	NoLiq	8.19	24.16	0.27
30.70	9.00	1.96	1.00	1.221	0.90	15.96	NoLiq	8.19	24.15	0.27
30.75	9.00	1.96	1.00	1.223	0.90	15.95	NoLiq	8.19	24.14	0.27
30.80	9.00	1.96	1.00	1.224	0.90	15.94	NoLiq	8.19	24.13	0.27
30.85	9.00	1.96	1.00	1.225	0.90	15.93	NoLiq	8.19	24.12	0.27
30.90	9.00	1.96	1.00	1.227	0.90	15.92	NoLiq	8.18	24.11	0.27
30.95	9.00	1.96	1.00	1.228	0.90	15.91	NoLiq	8.18	24.10	0.27
31.00	9.00	1.96	1.00	1.229	0.90	15.91	NoLiq	8.18	24.09	0.27
31.05	9.00	1.96	1.00	1.231	0.90	15.90	NoLiq	8.18	24.08	0.27
31.10	9.00	1.96	1.00	1.232	0.90	15.89	NoLiq	8.18	24.06	0.27
31.15	9.00	1.96	1.00	1.234	0.90	15.88	NoLiq	8.18	24.05	0.27
31.20	9.00	1.96	1.00	1.235	0.90	15.87	NoLiq	8.17	24.04	0.27
31.25	9.00	1.96	1.00	1.236	0.90	15.86	NoLiq	8.17	24.03	0.27
31.30	9.00	1.96	1.00	1.238	0.90	15.85	NoLiq	8.17	24.02	0.27
31.35	9.00	1.96	1.00	1.239	0.90	15.84	NoLiq	8.17	24.01	0.27
31.40	9.00	1.96	1.00	1.241	0.90	15.83	NoLiq	8.17	24.00	0.27
31.45	9.00	1.96	1.00	1.242	0.90	15.83	NoLiq	8.17	23.99	0.27
31.50	9.00	1.96	1.00	1.243	0.90	15.82	NoLiq	8.16	23.98	0.27
31.55	9.00	1.96	1.00	1.245	0.90	15.81	NoLiq	8.16	23.97	0.27
31.60	9.00	1.96	1.00	1.246	0.90	15.80	NoLiq	8.16	23.96	0.27
31.65	9.00	1.96	1.00	1.248	0.90	15.79	NoLiq	8.16	23.95	0.27
31.70	9.00	1.96	1.00	1.249	0.89	15.78	NoLiq	8.16	23.94	0.27
31.75	9.00	1.96	1.00	1.250	0.89	15.77	NoLiq	8.15	23.93	0.27
31.80	9.00	1.96	1.00	1.252	0.89	15.76	NoLiq	8.15	23.92	0.27
31.85	9.00	1.96	1.00	1.253	0.89	15.75	NoLiq	8.15	23.91	0.27
31.90	9.00	1.96	1.00	1.255	0.89	15.75	NoLiq	8.15	23.90	0.27
31.95	9.00	1.96	1.00	1.256	0.89	15.74	NoLiq	8.15	23.88	0.27
32.00	9.00	1.96	1.00	1.257	0.89	15.73	NoLiq	8.15	23.87	0.27
32.05	9.00	1.96	1.00	1.259	0.89	15.72	NoLiq	8.14	23.86	0.27
32.10	9.00	1.96	1.00	1.260	0.89	15.71	NoLiq	8.14	23.85	0.27
32.15	9.00	1.96	1.00	1.261	0.89	15.70	NoLiq	8.14	23.84	0.26
32.20	9.00	1.96	1.00	1.263	0.89	15.69	NoLiq	8.14	23.83	0.26
32.25	9.00	1.96	1.00	1.264	0.89	15.69	NoLiq	8.14	23.82	0.26
32.30	9.00	1.96	1.00	1.266	0.89	15.68	NoLiq	8.14	23.81	0.26
32.35	9.00	1.96	1.00	1.267	0.89	15.67	NoLiq	8.13	23.80	0.26
32.40	9.00	1.96	1.00	1.268	0.89	15.66	NoLiq	8.13	23.79	0.26
32.45	9.00	1.96	1.00	1.270	0.89	15.65	NoLiq	8.13	23.78	0.26

32.50	9.00	1.96	1.00	1.271	0.89	15.64	NoLiq	8.13	23.77	0.26
32.55	9.01	1.96	1.00	1.273	0.89	15.65	NoLiq	8.13	23.78	0.26
32.60	9.02	1.96	1.00	1.274	0.89	15.66	NoLiq	8.13	23.79	0.26
32.65	9.03	1.96	1.00	1.275	0.89	15.67	NoLiq	8.13	23.80	0.26
32.70	9.04	1.96	1.00	1.277	0.89	15.68	NoLiq	8.14	23.81	0.26
32.75	9.05	1.96	1.00	1.278	0.88	15.69	NoLiq	8.14	23.82	0.26
32.80	9.06	1.96	1.00	1.279	0.88	15.70	NoLiq	8.14	23.83	0.26
32.85	9.07	1.96	1.00	1.281	0.88	15.70	NoLiq	8.14	23.85	0.26
32.90	9.08	1.96	1.00	1.282	0.88	15.71	NoLiq	8.14	23.86	0.27
32.95	9.09	1.96	1.00	1.284	0.88	15.72	99.94	8.14	23.87	0.27
33.00	9.10	1.96	1.00	1.285	0.88	15.73	99.82	8.15	23.88	0.27
33.05	9.11	1.96	1.00	1.286	0.88	15.74	99.70	8.15	23.89	0.27
33.10	9.12	1.96	1.00	1.288	0.88	15.75	99.58	8.15	23.90	0.27
33.15	9.13	1.96	1.00	1.289	0.88	15.76	99.47	8.15	23.91	0.27
33.20	9.14	1.96	1.00	1.291	0.88	15.77	99.35	8.15	23.92	0.27
33.25	9.15	1.96	1.00	1.292	0.88	15.77	99.23	8.15	23.93	0.27
33.30	9.16	1.96	1.00	1.293	0.88	15.78	99.11	8.16	23.94	0.27
33.35	9.17	1.96	1.00	1.295	0.88	15.79	98.99	8.16	23.95	0.27
33.40	9.18	1.96	1.00	1.296	0.88	15.80	98.88	8.16	23.96	0.27
33.45	9.19	1.96	1.00	1.298	0.88	15.81	98.76	8.16	23.97	0.27
33.50	9.20	1.96	1.00	1.299	0.88	15.82	98.64	8.16	23.98	0.27
33.55	9.21	1.96	1.00	1.300	0.88	15.83	98.52	8.17	23.99	0.27
33.60	9.22	1.96	1.00	1.302	0.88	15.84	98.40	8.17	24.00	0.27
33.65	9.23	1.96	1.00	1.303	0.88	15.84	98.29	8.17	24.01	0.27
33.70	9.24	1.96	1.00	1.305	0.88	15.85	98.17	8.17	24.02	0.27
33.75	9.25	1.96	1.00	1.306	0.88	15.86	98.05	8.17	24.03	0.27
33.80	9.26	1.96	1.00	1.307	0.87	15.87	97.93	8.17	24.04	0.27
33.85	9.27	1.96	1.00	1.309	0.87	15.88	97.81	8.18	24.05	0.27
33.90	9.28	1.96	1.00	1.310	0.87	15.89	97.70	8.18	24.06	0.27
33.95	9.29	1.96	1.00	1.312	0.87	15.90	97.58	8.18	24.07	0.27
34.00	9.30	1.96	1.00	1.313	0.87	15.90	97.46	8.18	24.08	0.27
34.05	9.31	1.96	1.00	1.314	0.87	15.91	97.34	8.18	24.10	0.27
34.10	9.32	1.96	1.00	1.316	0.87	15.92	97.22	8.18	24.11	0.27
34.15	9.33	1.96	1.00	1.317	0.87	15.93	97.11	8.19	24.12	0.27
34.20	9.34	1.96	1.00	1.319	0.87	15.94	96.99	8.19	24.13	0.27
34.25	9.35	1.96	1.00	1.320	0.87	15.95	96.87	8.19	24.14	0.27
34.30	9.36	1.96	1.00	1.322	0.87	15.96	96.75	8.19	24.15	0.27
34.35	9.37	1.96	1.00	1.323	0.87	15.96	96.63	8.19	24.16	0.27
34.40	9.38	1.96	1.00	1.324	0.87	15.97	96.52	8.19	24.17	0.27
34.45	9.39	1.96	1.00	1.326	0.87	15.98	96.40	8.20	24.18	0.27
34.50	9.40	1.96	1.00	1.327	0.87	15.99	96.28	8.20	24.19	0.27
34.55	9.41	1.96	1.00	1.329	0.87	16.00	96.16	8.20	24.20	0.27
34.60	9.42	1.96	1.00	1.330	0.87	16.01	96.04	8.20	24.21	0.27
34.65	9.43	1.96	1.00	1.331	0.87	16.01	95.93	8.20	24.22	0.27
34.70	9.44	1.96	1.00	1.333	0.87	16.02	95.81	8.20	24.23	0.27
34.75	9.45	1.96	1.00	1.334	0.87	16.03	95.69	8.21	24.24	0.27
34.80	9.46	1.96	1.00	1.336	0.87	16.04	95.57	8.21	24.25	0.27
34.85	9.47	1.96	1.00	1.337	0.86	16.05	95.45	8.21	24.26	0.27
34.90	9.48	1.96	1.00	1.339	0.86	16.06	95.34	8.21	24.27	0.27
34.95	9.49	1.96	1.00	1.340	0.86	16.07	95.22	8.21	24.28	0.27
35.00	9.50	1.96	1.00	1.341	0.86	16.07	95.10	8.21	24.29	0.27
35.05	9.51	1.96	1.00	1.343	0.86	16.08	94.98	8.22	24.30	0.27
35.10	9.52	1.96	1.00	1.344	0.86	16.09	94.86	8.22	24.31	0.27
35.15	9.53	1.96	1.00	1.346	0.86	16.10	94.75	8.22	24.32	0.27
35.20	9.54	1.96	1.00	1.347	0.86	16.11	94.63	8.22	24.33	0.27
35.25	9.55	1.96	1.00	1.348	0.86	16.12	94.51	8.22	24.34	0.27
35.30	9.56	1.96	1.00	1.350	0.86	16.12	94.39	8.22	24.35	0.27
35.35	9.57	1.96	1.00	1.351	0.86	16.13	94.27	8.23	24.36	0.27
35.40	9.58	1.96	1.00	1.353	0.86	16.14	94.16	8.23	24.37	0.27
35.45	9.59	1.96	1.00	1.354	0.86	16.15	94.04	8.23	24.38	0.27
35.50	9.60	1.96	1.00	1.356	0.86	16.16	93.92	8.23	24.39	0.27
35.55	9.61	1.96	1.00	1.357	0.86	16.17	93.80	8.23	24.40	0.27
35.60	9.62	1.96	1.00	1.358	0.86	16.17	93.68	8.23	24.41	0.27
35.65	9.63	1.96	1.00	1.360	0.86	16.18	93.57	8.24	24.42	0.27
35.70	9.64	1.96	1.00	1.361	0.86	16.19	93.45	8.24	24.43	0.27
35.75	9.65	1.96	1.00	1.363	0.86	16.20	93.33	8.24	24.44	0.27
35.80	9.66	1.96	1.00	1.364	0.86	16.21	93.21	8.24	24.45	0.27
35.85	9.67	1.96	1.00	1.366	0.86	16.22	93.09	8.24	24.46	0.27
35.90	9.68	1.96	1.00	1.367	0.86	16.22	92.98	8.24	24.47	0.27
35.95	9.69	1.96	1.00	1.369	0.85	16.23	92.86	8.25	24.48	0.27
36.00	9.70	1.96	1.00	1.370	0.85	16.24	92.74	8.25	24.49	0.27
36.05	9.71	1.96	1.00	1.371	0.85	16.25	92.62	8.25	24.50	0.27
36.10	9.72	1.96	1.00	1.373	0.85	16.26	92.50	8.25	24.51	0.27

36.15	9.73	1.96	1.00	1.374	0.85	16.26	92.39	8.25	24.52	0.28
36.20	9.74	1.96	1.00	1.376	0.85	16.27	92.27	8.25	24.53	0.28
36.25	9.75	1.96	1.00	1.377	0.85	16.28	92.15	8.26	24.54	0.28
36.30	9.76	1.96	1.00	1.379	0.85	16.29	92.03	8.26	24.55	0.28
36.35	9.77	1.96	1.00	1.380	0.85	16.30	91.91	8.26	24.56	0.28
36.40	9.78	1.96	1.00	1.382	0.85	16.31	91.80	8.26	24.57	0.28
36.45	9.79	1.96	1.00	1.383	0.85	16.31	91.68	8.26	24.58	0.28
36.50	9.80	1.96	1.00	1.384	0.85	16.32	91.56	8.26	24.59	0.28
36.55	9.81	1.96	1.00	1.386	0.85	16.33	91.44	8.27	24.60	0.28
36.60	9.82	1.96	1.00	1.387	0.85	16.34	91.32	8.27	24.61	0.28
36.65	9.83	1.96	1.00	1.389	0.85	16.35	91.21	8.27	24.61	0.28
36.70	9.84	1.96	1.00	1.390	0.85	16.35	91.09	8.27	24.62	0.28
36.75	9.85	1.96	1.00	1.392	0.85	16.36	90.97	8.27	24.63	0.28
36.80	9.86	1.96	1.00	1.393	0.85	16.37	90.85	8.27	24.64	0.28
36.85	9.87	1.96	1.00	1.395	0.85	16.38	90.73	8.28	24.65	0.28
36.90	9.88	1.96	1.00	1.396	0.85	16.39	90.62	8.28	24.66	0.28
36.95	9.89	1.96	1.00	1.397	0.85	16.39	90.50	8.28	24.67	0.28
37.00	9.90	1.96	1.00	1.399	0.85	16.40	90.38	8.28	24.68	0.28
37.05	9.91	1.96	1.00	1.400	0.85	16.41	90.26	8.28	24.69	0.28
37.10	9.92	1.96	1.00	1.402	0.84	16.42	90.14	8.28	24.70	0.28
37.15	9.93	1.96	1.00	1.403	0.84	16.43	90.03	8.29	24.71	0.28
37.20	9.94	1.96	1.00	1.405	0.84	16.43	89.91	8.29	24.72	0.28
37.25	9.95	1.96	1.00	1.406	0.84	16.44	89.79	8.29	24.73	0.28
37.30	9.96	1.96	1.00	1.408	0.84	16.45	89.67	8.29	24.74	0.28
37.35	9.97	1.96	1.00	1.409	0.84	16.46	89.55	8.29	24.75	0.28
37.40	9.98	1.96	1.00	1.411	0.84	16.47	89.44	8.29	24.76	0.28
37.45	9.99	1.96	1.00	1.412	0.84	16.47	89.32	8.29	24.77	0.28
37.50	10.00	1.96	1.00	1.413	0.84	16.48	89.20	8.30	24.78	0.28
37.55	10.00	1.96	1.00	1.415	0.84	16.47	89.20	8.29	24.77	0.28
37.60	10.00	1.96	1.00	1.416	0.84	16.47	89.20	8.29	24.76	0.28
37.65	10.00	1.96	1.00	1.418	0.84	16.46	89.20	8.29	24.75	0.28
37.70	10.00	1.96	1.00	1.419	0.84	16.45	89.20	8.29	24.74	0.28
37.75	10.00	1.96	1.00	1.421	0.84	16.44	89.20	8.29	24.73	0.28
37.80	10.00	1.96	1.00	1.422	0.84	16.43	89.20	8.29	24.72	0.28
37.85	10.00	1.96	1.00	1.424	0.84	16.42	89.20	8.28	24.71	0.28
37.90	10.00	1.96	1.00	1.425	0.84	16.41	89.20	8.28	24.70	0.28
37.95	10.00	1.96	1.00	1.427	0.84	16.41	89.20	8.28	24.69	0.28
38.00	10.00	1.96	1.00	1.428	0.84	16.40	89.20	8.28	24.68	0.28
38.05	10.00	1.96	1.00	1.430	0.84	16.39	89.20	8.28	24.67	0.28
38.10	10.00	1.96	1.00	1.431	0.84	16.38	89.20	8.28	24.66	0.28
38.15	10.00	1.96	1.00	1.433	0.84	16.37	89.20	8.27	24.65	0.28
38.20	10.00	1.96	1.00	1.434	0.84	16.36	89.20	8.27	24.64	0.28
38.25	10.00	1.96	1.00	1.436	0.83	16.36	89.20	8.27	24.63	0.28
38.30	10.00	1.96	1.00	1.437	0.83	16.35	89.20	8.27	24.62	0.28
38.35	10.00	1.96	1.00	1.438	0.83	16.34	89.20	8.27	24.61	0.28
38.40	10.00	1.96	1.00	1.440	0.83	16.33	89.20	8.27	24.60	0.28
38.45	10.00	1.96	1.00	1.441	0.83	16.32	89.20	8.26	24.59	0.28
38.50	10.00	1.96	1.00	1.443	0.83	16.31	89.20	8.26	24.58	0.28
38.55	10.00	1.96	1.00	1.444	0.83	16.31	89.20	8.26	24.57	0.28
38.60	10.00	1.96	1.00	1.446	0.83	16.30	89.20	8.26	24.56	0.28
38.65	10.00	1.96	1.00	1.447	0.83	16.29	89.20	8.26	24.55	0.28
38.70	10.00	1.96	1.00	1.449	0.83	16.28	89.20	8.26	24.54	0.28
38.75	10.00	1.96	1.00	1.450	0.83	16.27	89.20	8.25	24.53	0.28
38.80	10.00	1.96	1.00	1.452	0.83	16.26	89.20	8.25	24.52	0.27
38.85	10.00	1.96	1.00	1.453	0.83	16.26	89.20	8.25	24.51	0.27
38.90	10.00	1.96	1.00	1.455	0.83	16.25	89.20	8.25	24.50	0.27
38.95	10.00	1.96	1.00	1.456	0.83	16.24	89.20	8.25	24.49	0.27
39.00	10.00	1.96	1.00	1.458	0.83	16.23	89.20	8.25	24.48	0.27
39.05	10.00	1.96	1.00	1.459	0.83	16.22	89.20	8.24	24.47	0.27
39.10	10.00	1.96	1.00	1.461	0.83	16.21	89.20	8.24	24.46	0.27
39.15	10.00	1.96	1.00	1.462	0.83	16.21	89.20	8.24	24.45	0.27
39.20	10.00	1.96	1.00	1.464	0.83	16.20	89.20	8.24	24.44	0.27
39.25	10.00	1.96	1.00	1.465	0.83	16.19	89.20	8.24	24.43	0.27
39.30	10.00	1.96	1.00	1.467	0.83	16.18	89.20	8.24	24.42	0.27
39.35	10.00	1.96	1.00	1.468	0.83	16.17	89.20	8.23	24.41	0.27
39.40	10.00	1.96	1.00	1.470	0.82	16.16	89.20	8.23	24.40	0.27
39.45	10.00	1.96	1.00	1.471	0.82	16.16	89.20	8.23	24.39	0.27
39.50	10.00	1.96	1.00	1.473	0.82	16.15	89.20	8.23	24.38	0.27
39.55	10.00	1.96	1.00	1.474	0.82	16.14	89.20	8.23	24.37	0.27
39.60	10.00	1.96	1.00	1.476	0.82	16.13	89.20	8.23	24.36	0.27
39.65	10.00	1.96	1.00	1.477	0.82	16.12	89.20	8.22	24.35	0.27
39.70	10.00	1.96	1.00	1.479	0.82	16.12	89.20	8.22	24.34	0.27
39.75	10.00	1.96	1.00	1.480	0.82	16.11	89.20	8.22	24.33	0.27

39.80	10.00	1.96	1.00	1.482	0.82	16.10	89.20	8.22	24.32	0.27
39.85	10.00	1.96	1.00	1.483	0.82	16.09	89.20	8.22	24.31	0.27
39.90	10.00	1.96	1.00	1.485	0.82	16.08	89.20	8.22	24.30	0.27
39.95	10.00	1.96	1.00	1.486	0.82	16.07	89.20	8.21	24.29	0.27
40.00	10.00	1.96	1.00	1.488	0.82	16.07	89.20	8.21	24.28	0.27
40.05	10.00	1.96	1.00	1.489	0.82	16.06	89.20	8.21	24.27	0.27
40.10	10.00	1.96	1.00	1.491	0.82	16.05	89.20	8.21	24.26	0.27
40.15	10.00	1.96	1.00	1.492	0.82	16.04	89.20	8.21	24.25	0.27
40.20	10.00	1.96	1.00	1.494	0.82	16.03	89.20	8.21	24.24	0.27
40.25	10.00	1.96	1.00	1.495	0.82	16.03	89.20	8.21	24.23	0.27
40.30	10.00	1.96	1.00	1.497	0.82	16.02	89.20	8.20	24.22	0.27
40.35	10.00	1.96	1.00	1.498	0.82	16.01	89.20	8.20	24.21	0.27
40.40	10.00	1.96	1.00	1.500	0.82	16.00	89.20	8.20	24.20	0.27
40.45	10.00	1.96	1.00	1.501	0.82	15.99	89.20	8.20	24.19	0.27
40.50	10.00	1.96	1.00	1.503	0.82	15.99	89.20	8.20	24.18	0.27
40.55	10.00	1.96	1.00	1.504	0.82	15.98	89.20	8.20	24.17	0.27
40.60	10.00	1.96	1.00	1.506	0.81	15.97	89.20	8.19	24.16	0.27
40.65	10.00	1.96	1.00	1.507	0.81	15.96	89.20	8.19	24.15	0.27
40.70	10.00	1.96	1.00	1.509	0.81	15.95	89.20	8.19	24.14	0.27
40.75	10.00	1.96	1.00	1.510	0.81	15.95	89.20	8.19	24.13	0.27
40.80	10.00	1.96	1.00	1.512	0.81	15.94	89.20	8.19	24.12	0.27
40.85	10.00	1.96	1.00	1.513	0.81	15.93	89.20	8.19	24.11	0.27
40.90	10.00	1.96	1.00	1.515	0.81	15.92	89.20	8.18	24.11	0.27
40.95	10.00	1.96	1.00	1.516	0.81	15.91	89.20	8.18	24.10	0.27
41.00	10.00	1.96	1.00	1.518	0.81	15.91	89.20	8.18	24.09	0.27
41.05	10.00	1.96	1.00	1.520	0.81	15.90	89.20	8.18	24.08	0.27
41.10	10.00	1.96	1.00	1.521	0.81	15.89	89.20	8.18	24.07	0.27
41.15	10.00	1.96	1.00	1.523	0.81	15.88	89.20	8.18	24.06	0.27
41.20	10.00	1.96	1.00	1.524	0.81	15.87	89.20	8.17	24.05	0.27
41.25	10.00	1.96	1.00	1.526	0.81	15.87	89.20	8.17	24.04	0.27
41.30	10.00	1.96	1.00	1.527	0.81	15.86	89.20	8.17	24.03	0.27
41.35	10.00	1.96	1.00	1.529	0.81	15.85	89.20	8.17	24.02	0.27
41.40	10.00	1.96	1.00	1.530	0.81	15.84	89.20	8.17	24.01	0.27
41.45	10.00	1.96	1.00	1.532	0.81	15.83	89.20	8.17	24.00	0.27
41.50	10.00	1.96	1.00	1.533	0.81	15.83	89.20	8.17	23.99	0.27
41.55	10.00	1.96	1.00	1.535	0.81	15.82	89.20	8.16	23.98	0.27
41.60	10.00	1.96	1.00	1.536	0.81	15.81	89.20	8.16	23.97	0.27
41.65	10.00	1.96	1.00	1.538	0.81	15.80	89.20	8.16	23.96	0.27
41.70	10.00	1.96	1.00	1.539	0.81	15.79	89.20	8.16	23.95	0.27
41.75	10.00	1.96	1.00	1.541	0.81	15.79	89.20	8.16	23.94	0.27
41.80	10.00	1.96	1.00	1.542	0.81	15.78	89.20	8.16	23.93	0.27
41.85	10.00	1.96	1.00	1.544	0.80	15.77	89.20	8.15	23.92	0.27
41.90	10.00	1.96	1.00	1.546	0.80	15.76	89.20	8.15	23.92	0.27
41.95	10.00	1.96	1.00	1.547	0.80	15.75	89.20	8.15	23.91	0.27
42.00	10.00	1.96	1.00	1.549	0.80	15.75	89.20	8.15	23.90	0.27
42.05	10.00	1.96	1.00	1.550	0.80	15.74	89.20	8.15	23.89	0.27
42.10	10.00	1.96	1.00	1.552	0.80	15.73	89.20	8.15	23.88	0.27
42.15	10.00	1.96	1.00	1.553	0.80	15.72	89.20	8.14	23.87	0.27
42.20	10.00	1.96	1.00	1.555	0.80	15.72	89.20	8.14	23.86	0.27
42.25	10.00	1.96	1.00	1.556	0.80	15.71	89.20	8.14	23.85	0.27
42.30	10.00	1.96	1.00	1.558	0.80	15.70	89.20	8.14	23.84	0.26
42.35	10.00	1.96	1.00	1.559	0.80	15.69	89.20	8.14	23.83	0.26
42.40	10.00	1.96	1.00	1.561	0.80	15.68	89.20	8.14	23.82	0.26
42.45	10.00	1.96	1.00	1.563	0.80	15.68	89.20	8.14	23.81	0.26
42.50	10.00	1.96	1.00	1.564	0.80	15.67	89.20	8.13	23.80	0.26
42.55	10.89	1.96	1.00	1.566	0.80	17.06	89.20	8.41	25.47	0.29
42.60	11.79	1.96	1.00	1.567	0.80	18.46	89.20	8.69	27.15	0.32
42.65	12.69	1.96	1.00	1.569	0.80	19.86	89.20	8.97	28.83	0.37
42.70	13.59	1.96	1.00	1.570	0.80	21.26	89.20	9.25	30.51	0.50
42.75	14.49	1.96	1.00	1.572	0.80	22.65	89.20	9.53	32.18	0.50
42.80	15.39	1.96	1.00	1.573	0.80	24.05	89.20	9.81	33.86	0.50
42.85	16.29	1.96	1.00	1.575	0.80	25.44	89.20	10.09	35.53	0.50
42.90	17.19	1.96	1.00	1.577	0.80	26.83	89.20	10.37	37.20	0.50
42.95	18.09	1.96	1.00	1.578	0.80	28.22	89.20	10.64	38.87	0.50
43.00	18.99	1.96	1.00	1.580	0.80	29.61	89.20	10.92	40.54	0.50
43.05	19.89	1.96	1.00	1.581	0.80	31.00	89.20	11.20	42.20	0.50
43.10	20.79	1.96	1.00	1.583	0.79	32.39	89.20	11.48	43.86	0.50
43.15	21.69	1.96	1.00	1.584	0.79	33.77	89.20	11.75	45.53	0.50
43.20	22.59	1.96	1.00	1.586	0.79	35.16	89.20	12.03	47.19	0.50
43.25	23.49	1.96	1.00	1.588	0.79	36.54	89.20	12.31	48.85	0.50
43.30	24.39	1.96	1.00	1.589	0.79	37.92	89.20	12.58	50.50	0.50
43.35	25.29	1.96	1.00	1.591	0.79	39.30	89.20	12.86	52.16	0.50
43.40	26.19	1.96	1.00	1.592	0.79	40.68	89.20	13.14	53.81	0.50

43.45	27.09	1.96	1.00	1.594	0.79	42.05	89.20	13.41	55.46	0.50
43.50	27.99	1.96	1.00	1.595	0.79	43.43	89.20	13.69	57.12	0.50
43.55	28.89	1.96	1.00	1.597	0.79	44.80	89.20	13.96	58.76	0.50
43.60	29.79	1.96	1.00	1.599	0.79	46.18	89.20	14.24	60.41	0.50
43.65	30.69	1.96	1.00	1.600	0.79	47.55	89.20	14.51	62.06	0.50
43.70	31.59	1.96	1.00	1.602	0.79	48.92	89.20	14.78	63.70	0.50
43.75	32.49	1.96	1.00	1.603	0.79	50.29	89.20	15.06	65.34	0.50
43.80	33.39	1.96	1.00	1.605	0.79	51.65	89.20	15.33	66.98	0.50
43.85	34.29	1.96	1.00	1.607	0.79	53.02	89.20	15.60	68.62	0.50
43.90	35.19	1.96	1.00	1.608	0.79	54.38	89.20	15.88	70.26	0.50
43.95	36.09	1.96	1.00	1.610	0.79	55.75	89.20	16.15	71.89	0.50
44.00	36.99	1.96	1.00	1.611	0.79	57.11	89.20	16.42	73.53	0.50
44.05	37.89	1.96	1.00	1.613	0.79	58.47	89.20	16.69	75.16	0.50
44.10	38.79	1.96	1.00	1.615	0.79	59.83	89.20	16.97	76.79	0.50
44.15	39.69	1.96	1.00	1.616	0.79	61.18	89.20	17.24	78.42	0.50
44.20	40.59	1.96	1.00	1.618	0.79	62.54	89.20	17.51	80.05	0.50
44.25	41.49	1.96	1.00	1.619	0.79	63.90	89.20	17.78	81.67	0.50
44.30	42.39	1.96	1.00	1.621	0.79	65.25	89.20	18.05	83.30	0.50
44.35	43.29	1.96	1.00	1.623	0.79	66.60	89.20	18.32	84.92	0.50
44.40	44.19	1.96	1.00	1.624	0.78	67.95	89.20	18.59	86.54	0.50
44.45	45.09	1.96	1.00	1.626	0.78	69.30	89.20	18.86	88.16	0.50
44.50	45.99	1.96	1.00	1.627	0.78	70.65	89.20	19.13	89.78	0.50
44.55	46.89	1.96	1.00	1.629	0.78	72.00	89.20	19.40	91.39	0.50
44.60	47.79	1.96	1.00	1.631	0.78	73.34	89.20	19.67	93.01	0.50
44.65	48.69	1.96	1.00	1.632	0.78	74.68	89.20	19.94	94.62	0.50
44.70	49.59	1.96	1.00	1.634	0.78	76.03	89.20	20.21	96.23	0.50
44.75	50.49	1.96	1.00	1.636	0.78	77.37	89.20	20.47	97.84	0.50
44.80	51.39	1.96	1.00	1.637	0.78	78.71	89.20	20.74	99.45	0.50
44.85	52.29	1.96	1.00	1.639	0.78	80.05	89.20	21.01	101.06	0.50
44.90	53.19	1.96	1.00	1.640	0.78	81.38	89.20	21.28	102.66	0.50
44.95	54.09	1.96	1.00	1.642	0.78	82.72	89.20	21.54	104.26	0.50
45.00	54.99	1.96	1.00	1.644	0.78	84.05	89.20	21.81	105.86	0.50
45.05	55.89	1.96	1.00	1.645	0.78	85.39	89.20	22.08	107.46	0.50
45.10	56.79	1.96	1.00	1.647	0.78	86.72	89.20	22.34	109.06	0.50
45.15	57.69	1.96	1.00	1.649	0.78	88.05	89.20	22.61	110.66	0.50
45.20	58.59	1.96	1.00	1.650	0.78	89.38	89.20	22.88	112.25	0.50
45.25	59.49	1.96	1.00	1.652	0.78	90.71	89.20	23.14	113.85	0.50
45.30	60.39	1.96	1.00	1.654	0.78	92.03	89.20	23.41	115.44	0.50
45.35	61.29	1.96	1.00	1.655	0.78	93.36	89.20	23.67	117.03	0.50
45.40	62.19	1.96	1.00	1.657	0.78	94.68	89.20	23.94	118.62	0.50
45.45	63.09	1.96	1.00	1.659	0.78	96.00	89.20	24.20	120.20	0.50
45.50	63.99	1.96	1.00	1.660	0.78	97.32	89.20	24.46	121.79	0.50
45.55	64.89	1.96	1.00	1.662	0.78	98.64	89.20	24.73	123.37	0.50
45.60	65.79	1.96	1.00	1.664	0.78	99.96	89.20	24.99	124.95	0.50
45.65	66.69	1.96	1.00	1.665	0.77	101.28	89.20	25.26	126.53	0.50
45.70	67.59	1.96	1.00	1.667	0.77	102.59	89.20	25.52	128.11	0.50
45.75	68.49	1.96	1.00	1.669	0.77	103.91	89.20	25.78	129.69	0.50
45.80	69.39	1.96	1.00	1.670	0.77	105.22	89.20	26.04	131.26	0.50
45.85	70.29	1.96	1.00	1.672	0.77	106.53	89.20	26.31	132.84	0.50
45.90	71.19	1.96	1.00	1.674	0.77	107.84	89.20	26.57	134.41	0.50
45.95	72.09	1.96	1.00	1.675	0.77	109.15	89.20	26.83	135.98	0.50
46.00	72.99	1.96	1.00	1.677	0.77	110.46	89.20	27.09	137.55	0.50
46.05	73.89	1.96	1.00	1.679	0.77	111.76	89.20	27.35	139.12	0.50
46.10	74.79	1.96	1.00	1.680	0.77	113.07	89.20	27.61	140.68	0.50
46.15	75.69	1.96	1.00	1.682	0.77	114.37	89.20	27.87	142.25	0.50
46.20	76.59	1.96	1.00	1.684	0.77	115.67	89.20	28.13	143.81	0.50
46.25	77.49	1.96	1.00	1.685	0.77	116.98	89.20	28.40	145.37	0.50
46.30	78.39	1.96	1.00	1.687	0.77	118.28	89.20	28.66	146.93	0.50
46.35	79.29	1.96	1.00	1.689	0.77	119.57	89.20	28.91	148.49	0.50
46.40	80.19	1.96	1.00	1.690	0.77	120.87	89.20	29.17	150.04	0.50
46.45	81.09	1.96	1.00	1.692	0.77	122.17	89.20	29.43	151.60	0.50
46.50	81.99	1.96	1.00	1.694	0.77	123.46	89.20	29.69	153.15	0.50
46.55	82.89	1.96	1.00	1.695	0.77	124.75	89.20	29.95	154.70	0.50
46.60	83.79	1.96	1.00	1.697	0.77	126.04	89.20	30.21	156.25	0.50
46.65	84.69	1.96	1.00	1.699	0.77	127.33	89.20	30.47	157.80	0.50
46.70	85.59	1.96	1.00	1.700	0.77	128.62	89.20	30.72	159.35	0.50
46.75	86.49	1.96	1.00	1.702	0.77	129.91	89.20	30.98	160.89	0.50
46.80	87.39	1.96	1.00	1.704	0.77	131.20	89.20	31.24	162.44	0.50
46.85	88.29	1.96	1.00	1.706	0.77	132.48	89.20	31.50	163.98	0.50
46.90	89.19	1.96	1.00	1.707	0.77	133.77	89.20	31.75	165.52	0.50
46.95	90.09	1.96	1.00	1.709	0.76	135.05	89.20	32.01	167.06	0.50
47.00	90.99	1.96	1.00	1.711	0.76	136.33	89.20	32.27	168.60	0.50
47.05	91.89	1.96	1.00	1.712	0.76	137.61	89.20	32.52	170.13	0.50

47.10	92.79	1.96	1.00	1.714	0.76	138.89	89.20	32.78	171.66	0.50
47.15	93.69	1.96	1.00	1.716	0.76	140.16	89.20	33.03	173.20	0.50
47.20	94.59	1.96	1.00	1.718	0.76	141.44	89.20	33.29	174.73	0.50
47.25	95.49	1.96	1.00	1.719	0.76	142.71	89.20	33.54	176.26	0.50
47.30	96.39	1.96	1.00	1.721	0.76	143.99	89.20	33.80	177.79	0.50
47.35	97.29	1.96	1.00	1.723	0.76	145.26	89.20	34.05	179.31	0.50
47.40	98.19	1.96	1.00	1.724	0.76	146.53	89.20	34.31	180.84	0.50
47.45	99.09	1.96	1.00	1.726	0.76	147.80	89.20	34.56	182.36	0.50
47.50	99.99	1.96	1.00	1.728	0.76	149.07	89.20	34.81	183.88	0.50
47.55	100.00	1.96	1.00	1.730	0.76	149.00	89.20	34.80	183.81	0.50
47.60	100.00	1.96	1.00	1.731	0.76	148.93	89.20	34.79	183.72	0.50
47.65	100.00	1.96	1.00	1.733	0.76	148.86	89.20	34.77	183.63	0.50
47.70	100.00	1.96	1.00	1.735	0.76	148.78	89.20	34.76	183.54	0.50
47.75	100.00	1.96	1.00	1.736	0.76	148.71	89.20	34.74	183.45	0.50
47.80	100.00	1.96	1.00	1.738	0.76	148.64	89.20	34.73	183.36	0.50
47.85	100.00	1.96	1.00	1.740	0.76	148.56	89.20	34.71	183.28	0.50
47.90	100.00	1.96	1.00	1.742	0.76	148.49	89.20	34.70	183.19	0.50
47.95	100.00	1.96	1.00	1.743	0.76	148.42	89.20	34.68	183.10	0.50
48.00	100.00	1.96	1.00	1.745	0.76	148.35	89.20	34.67	183.02	0.50
48.05	100.00	1.96	1.00	1.747	0.76	148.27	89.20	34.65	182.93	0.50
48.10	100.00	1.96	1.00	1.748	0.76	148.20	89.20	34.64	182.84	0.50
48.15	100.00	1.96	1.00	1.750	0.76	148.13	89.20	34.63	182.76	0.50
48.20	100.00	1.96	1.00	1.752	0.76	148.06	89.20	34.61	182.67	0.50
48.25	100.00	1.96	1.00	1.753	0.76	147.99	89.20	34.60	182.59	0.50
48.30	100.00	1.96	1.00	1.755	0.75	147.92	89.20	34.58	182.50	0.50
48.35	100.00	1.96	1.00	1.757	0.75	147.85	89.20	34.57	182.42	0.50
48.40	100.00	1.96	1.00	1.758	0.75	147.78	89.20	34.56	182.33	0.50
48.45	100.00	1.96	1.00	1.760	0.75	147.71	89.20	34.54	182.25	0.50
48.50	100.00	1.96	1.00	1.762	0.75	147.64	89.20	34.53	182.17	0.50
48.55	100.00	1.96	1.00	1.763	0.75	147.57	89.20	34.51	182.08	0.50
48.60	100.00	1.96	1.00	1.765	0.75	147.50	89.20	34.50	182.00	0.50
48.65	100.00	1.96	1.00	1.767	0.75	147.43	89.20	34.49	181.92	0.50
48.70	100.00	1.96	1.00	1.768	0.75	147.36	89.20	34.47	181.84	0.50
48.75	100.00	1.96	1.00	1.770	0.75	147.29	89.20	34.46	181.75	0.50
48.80	100.00	1.96	1.00	1.772	0.75	147.23	89.20	34.45	181.67	0.50
48.85	100.00	1.96	1.00	1.773	0.75	147.16	89.20	34.43	181.59	0.50
48.90	100.00	1.96	1.00	1.775	0.75	147.09	89.20	34.42	181.51	0.50
48.95	100.00	1.96	1.00	1.776	0.75	147.02	89.20	34.40	181.43	0.50
49.00	100.00	1.96	1.00	1.778	0.75	146.96	89.20	34.39	181.35	0.50
49.05	100.00	1.96	1.00	1.780	0.75	146.89	89.20	34.38	181.27	0.50
49.10	100.00	1.96	1.00	1.781	0.75	146.82	89.20	34.36	181.19	0.50
49.15	100.00	1.96	1.00	1.783	0.75	146.76	89.20	34.35	181.11	0.50
49.20	100.00	1.96	1.00	1.785	0.75	146.69	89.20	34.34	181.03	0.50
49.25	100.00	1.96	1.00	1.786	0.75	146.62	89.20	34.32	180.95	0.50
49.30	100.00	1.96	1.00	1.788	0.75	146.56	89.20	34.31	180.87	0.50
49.35	100.00	1.96	1.00	1.789	0.75	146.49	89.20	34.30	180.79	0.50
49.40	100.00	1.96	1.00	1.791	0.75	146.43	89.20	34.29	180.71	0.50
49.45	100.00	1.96	1.00	1.793	0.75	146.36	89.20	34.27	180.64	0.50
49.50	100.00	1.96	1.00	1.794	0.75	146.30	89.20	34.26	180.56	0.50
49.55	100.00	1.96	1.00	1.796	0.75	146.23	89.20	34.25	180.48	0.50
49.60	100.00	1.96	1.00	1.797	0.75	146.17	89.20	34.23	180.40	0.50
49.65	100.00	1.96	1.00	1.799	0.75	146.11	89.20	34.22	180.33	0.50
49.70	100.00	1.96	1.00	1.800	0.75	146.04	89.20	34.21	180.25	0.50
49.75	100.00	1.96	1.00	1.802	0.74	145.98	89.20	34.20	180.17	0.50
49.80	100.00	1.96	1.00	1.804	0.74	145.91	89.20	34.18	180.10	0.50
49.85	100.00	1.96	1.00	1.805	0.74	145.85	89.20	34.17	180.02	0.50
49.90	100.00	1.96	1.00	1.807	0.74	145.79	89.20	34.16	179.95	0.50
49.95	100.00	1.96	1.00	1.808	0.74	145.73	89.20	34.15	179.87	0.50
50.00	100.00	1.96	1.00	1.810	0.74	145.66	89.20	34.13	179.80	0.50
50.05	100.00	1.96	1.00	1.811	0.74	145.60	89.20	34.12	179.72	0.50
50.10	100.00	1.96	1.00	1.813	0.74	145.54	89.20	34.11	179.65	0.50
50.15	100.00	1.96	1.00	1.814	0.74	145.48	89.20	34.10	179.57	0.50
50.20	100.00	1.96	1.00	1.816	0.74	145.42	89.20	34.08	179.50	0.50
50.25	100.00	1.96	1.00	1.818	0.74	145.35	89.20	34.07	179.42	0.50
50.30	100.00	1.96	1.00	1.819	0.74	145.29	89.20	34.06	179.35	0.50
50.35	100.00	1.96	1.00	1.821	0.74	145.23	89.20	34.05	179.28	0.50
50.40	100.00	1.96	1.00	1.822	0.74	145.17	89.20	34.03	179.20	0.50
50.45	100.00	1.96	1.00	1.824	0.74	145.11	89.20	34.02	179.13	0.50
50.50	100.00	1.96	1.00	1.825	0.74	145.05	89.20	34.01	179.06	0.50
50.55	100.00	1.96	1.00	1.827	0.74	144.99	89.20	34.00	178.99	0.50
50.60	100.00	1.96	1.00	1.828	0.74	144.93	89.20	33.99	178.92	0.50
50.65	100.00	1.96	1.00	1.830	0.74	144.87	89.20	33.97	178.84	0.50
50.70	100.00	1.96	1.00	1.831	0.74	144.81	89.20	33.96	178.77	0.50

50.75	100.00	1.96	1.00	1.833	0.74	144.75	89.20	33.95	178.70	0.50
50.80	100.00	1.96	1.00	1.834	0.74	144.69	89.20	33.94	178.63	0.50
50.85	100.00	1.96	1.00	1.836	0.74	144.63	89.20	33.93	178.56	0.50
50.90	100.00	1.96	1.00	1.837	0.74	144.58	89.20	33.92	178.49	0.50
50.95	100.00	1.96	1.00	1.839	0.74	144.52	89.20	33.90	178.42	0.50
51.00	100.00	1.96	1.00	1.840	0.74	144.46	89.20	33.89	178.35	0.50
51.05	100.00	1.96	1.00	1.842	0.74	144.40	89.20	33.88	178.28	0.50
51.10	100.00	1.96	1.00	1.843	0.74	144.34	89.20	33.87	178.21	0.50
51.15	100.00	1.96	1.00	1.845	0.74	144.29	89.20	33.86	178.14	0.50
51.20	100.00	1.96	1.00	1.846	0.74	144.23	89.20	33.85	178.07	0.50
51.25	100.00	1.96	1.00	1.847	0.74	144.17	89.20	33.83	178.01	0.50
51.30	100.00	1.96	1.00	1.849	0.74	144.11	89.20	33.82	177.94	0.50
51.35	100.00	1.96	1.00	1.850	0.74	144.06	89.20	33.81	177.87	0.50
51.40	100.00	1.96	1.00	1.852	0.73	144.00	89.20	33.80	177.80	0.50
51.45	100.00	1.96	1.00	1.853	0.73	143.94	89.20	33.79	177.73	0.50
51.50	100.00	1.96	1.00	1.855	0.73	143.89	89.20	33.78	177.67	0.50
51.55	100.00	1.96	1.00	1.856	0.73	143.83	89.20	33.77	177.60	0.50
51.60	100.00	1.96	1.00	1.858	0.73	143.78	89.20	33.76	177.53	0.50
51.65	100.00	1.96	1.00	1.859	0.73	143.72	89.20	33.74	177.47	0.50
51.70	100.00	1.96	1.00	1.860	0.73	143.67	89.20	33.73	177.40	0.50
51.75	100.00	1.96	1.00	1.862	0.73	143.61	89.20	33.72	177.33	0.50
51.80	100.00	1.96	1.00	1.863	0.73	143.56	89.20	33.71	177.27	0.50
51.85	100.00	1.96	1.00	1.865	0.73	143.50	89.20	33.70	177.20	0.50
51.90	100.00	1.96	1.00	1.866	0.73	143.45	89.20	33.69	177.14	0.50
51.95	100.00	1.96	1.00	1.868	0.73	143.39	89.20	33.68	177.07	0.50
52.00	100.00	1.96	1.00	1.869	0.73	143.34	89.20	33.67	177.01	0.50
52.05	100.00	1.96	1.00	1.870	0.73	143.28	89.20	33.66	176.94	0.50
52.10	100.00	1.96	1.00	1.872	0.73	143.23	89.20	33.65	176.88	0.50
52.15	100.00	1.96	1.00	1.873	0.73	143.18	89.20	33.64	176.81	0.50
52.20	100.00	1.96	1.00	1.875	0.73	143.12	89.20	33.62	176.75	0.50
52.25	100.00	1.96	1.00	1.876	0.73	143.07	89.20	33.61	176.69	0.50
52.30	100.00	1.96	1.00	1.877	0.73	143.02	89.20	33.60	176.62	0.50
52.35	100.00	1.96	1.00	1.879	0.73	142.97	89.20	33.59	176.56	0.50
52.40	100.00	1.96	1.00	1.880	0.73	142.91	89.20	33.58	176.50	0.50
52.45	100.00	1.96	1.00	1.882	0.73	142.86	89.20	33.57	176.43	0.50
52.50	100.00	1.96	1.00	1.883	0.73	142.81	89.20	33.56	176.37	0.50
52.55	99.34	1.96	1.00	1.884	0.73	141.81	89.20	33.36	175.17	0.50
52.60	98.67	1.96	1.00	1.886	0.73	140.80	89.20	33.16	173.96	0.50
52.65	98.00	1.96	1.00	1.887	0.73	139.80	89.20	32.96	172.75	0.50
52.70	97.33	1.96	1.00	1.888	0.73	138.79	89.20	32.76	171.55	0.50
52.75	96.66	1.96	1.00	1.890	0.73	137.78	89.20	32.56	170.34	0.50
52.80	95.99	1.96	1.00	1.891	0.73	136.78	89.20	32.36	169.14	0.50
52.85	95.32	1.96	1.00	1.892	0.73	135.78	89.20	32.16	167.93	0.50
52.90	94.65	1.96	1.00	1.894	0.73	134.77	89.20	31.95	166.73	0.50
52.95	93.98	1.96	1.00	1.895	0.73	133.77	89.20	31.75	165.53	0.50
53.00	93.31	1.96	1.00	1.897	0.73	132.77	89.20	31.55	164.32	0.50
53.05	92.64	1.96	1.00	1.898	0.73	131.77	89.20	31.35	163.12	0.50
53.10	91.97	1.96	1.00	1.899	0.73	130.77	89.20	31.15	161.92	0.50
53.15	91.30	1.96	1.00	1.901	0.73	129.77	89.20	30.95	160.72	0.50
53.20	90.63	1.96	1.00	1.902	0.73	128.77	89.20	30.75	159.53	0.50
53.25	89.96	1.96	1.00	1.903	0.72	127.77	89.20	30.55	158.33	0.50
53.30	89.29	1.96	1.00	1.905	0.72	126.78	89.20	30.36	157.13	0.50
53.35	88.62	1.96	1.00	1.906	0.72	125.78	89.20	30.16	155.94	0.50
53.40	87.95	1.96	1.00	1.907	0.72	124.79	89.20	29.96	154.74	0.50
53.45	87.28	1.96	1.00	1.909	0.72	123.79	89.20	29.76	153.55	0.50
53.50	86.61	1.96	1.00	1.910	0.72	122.80	89.20	29.56	152.36	0.50
53.55	85.94	1.96	1.00	1.911	0.72	121.80	89.20	29.36	151.17	0.50
53.60	85.27	1.96	1.00	1.913	0.72	120.81	89.20	29.16	149.98	0.50
53.65	84.60	1.96	1.00	1.914	0.72	119.82	89.20	28.96	148.79	0.50
53.70	83.93	1.96	1.00	1.916	0.72	118.83	89.20	28.77	147.60	0.50
53.75	83.26	1.96	1.00	1.917	0.72	117.84	89.20	28.57	146.41	0.50
53.80	82.59	1.96	1.00	1.918	0.72	116.85	89.20	28.37	145.22	0.50
53.85	81.92	1.96	1.00	1.920	0.72	115.86	89.20	28.17	144.03	0.50
53.90	81.25	1.96	1.00	1.921	0.72	114.87	89.20	27.97	142.85	0.50
53.95	80.58	1.96	1.00	1.922	0.72	113.89	89.20	27.78	141.66	0.50
54.00	79.91	1.96	1.00	1.924	0.72	112.90	89.20	27.58	140.48	0.50
54.05	79.24	1.96	1.00	1.925	0.72	111.92	89.20	27.38	139.30	0.50
54.10	78.57	1.96	1.00	1.926	0.72	110.93	89.20	27.19	138.12	0.50
54.15	77.90	1.96	1.00	1.928	0.72	109.95	89.20	26.99	136.94	0.50
54.20	77.23	1.96	1.00	1.929	0.72	108.96	89.20	26.79	135.76	0.50
54.25	76.56	1.96	1.00	1.930	0.72	107.98	89.20	26.60	134.58	0.50
54.30	75.89	1.96	1.00	1.932	0.72	107.00	89.20	26.40	133.40	0.50
54.35	75.22	1.96	1.00	1.933	0.72	106.02	89.20	26.20	132.22	0.50

54.40	74.55	1.96	1.00	1.934	0.72	105.04	89.20	26.01	131.04	0.50
54.45	73.88	1.96	1.00	1.936	0.72	104.06	89.20	25.81	129.87	0.50
54.50	73.21	1.96	1.00	1.937	0.72	103.08	89.20	25.62	128.69	0.50
54.55	72.54	1.96	1.00	1.938	0.72	102.10	89.20	25.42	127.52	0.50
54.60	71.87	1.96	1.00	1.940	0.72	101.12	89.20	25.22	126.35	0.50
54.65	71.20	1.96	1.00	1.941	0.72	100.14	89.20	25.03	125.17	0.50
54.70	70.53	1.96	1.00	1.942	0.72	99.17	89.20	24.83	124.00	0.50
54.75	69.86	1.96	1.00	1.944	0.72	98.19	89.20	24.64	122.83	0.50
54.80	69.19	1.96	1.00	1.945	0.72	97.22	89.20	24.44	121.66	0.50
54.85	68.52	1.96	1.00	1.946	0.72	96.24	89.20	24.25	120.49	0.50
54.90	67.85	1.96	1.00	1.948	0.72	95.27	89.20	24.05	119.32	0.50
54.95	67.18	1.96	1.00	1.949	0.72	94.30	89.20	23.86	118.16	0.50
55.00	66.51	1.96	1.00	1.950	0.72	93.32	89.20	23.66	116.99	0.50
55.05	65.84	1.96	1.00	1.952	0.72	92.35	89.20	23.47	115.82	0.50
55.10	65.17	1.96	1.00	1.953	0.72	91.38	89.20	23.28	114.66	0.50
55.15	64.50	1.96	1.00	1.954	0.72	90.41	89.20	23.08	113.49	0.50
55.20	63.83	1.96	1.00	1.956	0.72	89.44	89.20	22.89	112.33	0.50
55.25	63.16	1.96	1.00	1.957	0.71	88.47	89.20	22.69	111.17	0.50
55.30	62.49	1.96	1.00	1.958	0.71	87.51	89.20	22.50	110.01	0.50
55.35	61.82	1.96	1.00	1.959	0.71	86.54	89.20	22.31	108.85	0.50
55.40	61.15	1.96	1.00	1.961	0.71	85.57	89.20	22.11	107.69	0.50
55.45	60.48	1.96	1.00	1.962	0.71	84.61	89.20	21.92	106.53	0.50
55.50	59.81	1.96	1.00	1.963	0.71	83.64	89.20	21.73	105.37	0.50
55.55	59.14	1.96	1.00	1.965	0.71	82.68	89.20	21.54	104.21	0.50
55.60	58.47	1.96	1.00	1.966	0.71	81.71	89.20	21.34	103.05	0.50
55.65	57.80	1.96	1.00	1.967	0.71	80.75	89.20	21.15	101.90	0.50
55.70	57.13	1.96	1.00	1.969	0.71	79.79	89.20	20.96	100.74	0.50
55.75	56.46	1.96	1.00	1.970	0.71	78.82	89.20	20.76	99.59	0.50
55.80	55.79	1.96	1.00	1.971	0.71	77.86	89.20	20.57	98.44	0.50
55.85	55.12	1.96	1.00	1.973	0.71	76.90	89.20	20.38	97.28	0.50
55.90	54.45	1.96	1.00	1.974	0.71	75.94	89.20	20.19	96.13	0.50
55.95	53.78	1.96	1.00	1.975	0.71	74.98	89.20	20.00	94.98	0.50
56.00	53.11	1.96	1.00	1.976	0.71	74.03	89.20	19.81	93.83	0.50
56.05	52.44	1.96	1.00	1.978	0.71	73.07	89.20	19.61	92.68	0.50
56.10	51.77	1.96	1.00	1.979	0.71	72.11	89.20	19.42	91.53	0.50
56.15	51.10	1.96	1.00	1.980	0.71	71.15	89.20	19.23	90.38	0.50
56.20	50.43	1.96	1.00	1.982	0.71	70.20	89.20	19.04	89.24	0.50
56.25	49.76	1.96	1.00	1.983	0.71	69.24	89.20	18.85	88.09	0.50
56.30	49.09	1.96	1.00	1.984	0.71	68.29	89.20	18.66	86.94	0.50
56.35	48.42	1.96	1.00	1.986	0.71	67.33	89.20	18.47	85.80	0.50
56.40	47.75	1.96	1.00	1.987	0.71	66.38	89.20	18.28	84.66	0.50
56.45	47.08	1.96	1.00	1.988	0.71	65.43	89.20	18.09	83.51	0.50
56.50	46.41	1.96	1.00	1.989	0.71	64.47	89.20	17.89	82.37	0.50
56.55	45.74	1.96	1.00	1.991	0.71	63.52	89.20	17.70	81.23	0.50
56.60	45.07	1.96	1.00	1.992	0.71	62.57	89.20	17.51	80.09	0.50
56.65	44.40	1.96	1.00	1.993	0.71	61.62	89.20	17.32	78.95	0.50
56.70	43.73	1.96	1.00	1.995	0.71	60.67	89.20	17.13	77.81	0.50
56.75	43.06	1.96	1.00	1.996	0.71	59.72	89.20	16.94	76.67	0.50
56.80	42.39	1.96	1.00	1.997	0.71	58.78	89.20	16.76	75.53	0.50
56.85	41.72	1.96	1.00	1.998	0.71	57.83	89.20	16.57	74.39	0.50
56.90	41.05	1.96	1.00	2.000	0.71	56.88	89.20	16.38	73.26	0.50
56.95	40.38	1.96	1.00	2.001	0.71	55.93	89.20	16.19	72.12	0.50
57.00	39.71	1.96	1.00	2.002	0.71	54.99	89.20	16.00	70.99	0.50
57.05	39.04	1.96	1.00	2.004	0.71	54.04	89.20	15.81	69.85	0.50
57.10	38.37	1.96	1.00	2.005	0.71	53.10	89.20	15.62	68.72	0.50
57.15	37.70	1.96	1.00	2.006	0.71	52.16	89.20	15.43	67.59	0.50
57.20	37.03	1.96	1.00	2.007	0.71	51.21	89.20	15.24	66.45	0.50
57.25	36.36	1.96	1.00	2.009	0.71	50.27	89.20	15.05	65.32	0.50
57.30	35.69	1.96	1.00	2.010	0.71	49.33	89.20	14.87	64.19	0.50
57.35	35.02	1.96	1.00	2.011	0.71	48.39	89.20	14.68	63.06	0.50
57.40	34.35	1.96	1.00	2.013	0.70	47.45	89.20	14.49	61.93	0.50
57.45	33.68	1.96	1.00	2.014	0.70	46.50	89.20	14.30	60.81	0.50
57.50	33.01	1.96	1.00	2.015	0.70	45.57	89.20	14.11	59.68	0.50
57.55	33.00	1.96	1.00	2.016	0.70	45.54	89.20	14.11	59.65	0.50
57.60	33.00	1.96	1.00	2.018	0.70	45.53	89.20	14.11	59.63	0.50
57.65	33.00	1.96	1.00	2.019	0.70	45.51	89.20	14.10	59.61	0.50
57.70	33.00	1.96	1.00	2.020	0.70	45.50	89.20	14.10	59.60	0.50
57.75	33.00	1.96	1.00	2.021	0.70	45.48	89.20	14.10	59.58	0.50
57.80	33.00	1.96	1.00	2.023	0.70	45.47	89.20	14.09	59.56	0.50
57.85	33.00	1.96	1.00	2.024	0.70	45.45	89.20	14.09	59.55	0.50
57.90	33.00	1.96	1.00	2.025	0.70	45.44	89.20	14.09	59.53	0.50
57.95	33.00	1.96	1.00	2.027	0.70	45.43	89.20	14.09	59.51	0.50
58.00	33.00	1.96	1.00	2.028	0.70	45.41	89.20	14.08	59.49	0.50

58.05	33.00	1.96	1.00	2.029	0.70	45.40	89.20	14.08	59.48	0.50
58.10	33.00	1.96	1.00	2.030	0.70	45.38	89.20	14.08	59.46	0.50
58.15	33.00	1.96	1.00	2.032	0.70	45.37	89.20	14.07	59.44	0.50
58.20	33.00	1.96	1.00	2.033	0.70	45.36	89.20	14.07	59.43	0.50
58.25	33.00	1.96	1.00	2.034	0.70	45.34	89.20	14.07	59.41	0.50
58.30	33.00	1.96	1.00	2.035	0.70	45.33	89.20	14.07	59.39	0.50
58.35	33.00	1.96	1.00	2.037	0.70	45.31	89.20	14.06	59.38	0.50
58.40	33.00	1.96	1.00	2.038	0.70	45.30	89.20	14.06	59.36	0.50
58.45	33.00	1.96	1.00	2.039	0.70	45.29	89.20	14.06	59.34	0.50
58.50	33.00	1.96	1.00	2.040	0.70	45.27	89.20	14.05	59.33	0.50
58.55	33.00	1.96	1.00	2.041	0.70	45.26	89.20	14.05	59.31	0.50
58.60	33.00	1.96	1.00	2.043	0.70	45.25	89.20	14.05	59.29	0.50
58.65	33.00	1.96	1.00	2.044	0.70	45.23	89.20	14.05	59.28	0.50
58.70	33.00	1.96	1.00	2.045	0.70	45.22	89.20	14.04	59.26	0.50
58.75	33.00	1.96	1.00	2.046	0.70	45.20	89.20	14.04	59.25	0.50
58.80	33.00	1.96	1.00	2.048	0.70	45.19	89.20	14.04	59.23	0.50
58.85	33.00	1.96	1.00	2.049	0.70	45.18	89.20	14.04	59.21	0.50
58.90	33.00	1.96	1.00	2.050	0.70	45.16	89.20	14.03	59.20	0.50
58.95	33.00	1.96	1.00	2.051	0.70	45.15	89.20	14.03	59.18	0.50
59.00	33.00	1.96	1.00	2.053	0.70	45.14	89.20	14.03	59.16	0.50
59.05	33.00	1.96	1.00	2.054	0.70	45.12	89.20	14.02	59.15	0.50
59.10	33.00	1.96	1.00	2.055	0.70	45.11	89.20	14.02	59.13	0.50
59.15	33.00	1.96	1.00	2.056	0.70	45.10	89.20	14.02	59.12	0.50
59.20	33.00	1.96	1.00	2.057	0.70	45.08	89.20	14.02	59.10	0.50
59.25	33.00	1.96	1.00	2.059	0.70	45.07	89.20	14.01	59.09	0.50
59.30	33.00	1.96	1.00	2.060	0.70	45.06	89.20	14.01	59.07	0.50
59.35	33.00	1.96	1.00	2.061	0.70	45.04	89.20	14.01	59.05	0.50
59.40	33.00	1.96	1.00	2.062	0.70	45.03	89.20	14.01	59.04	0.50
59.45	33.00	1.96	1.00	2.063	0.70	45.02	89.20	14.00	59.02	0.50
59.50	33.00	1.96	1.00	2.065	0.70	45.01	89.20	14.00	59.01	0.50
59.55	33.00	1.96	1.00	2.066	0.70	44.99	89.20	14.00	58.99	0.50
59.60	33.00	1.96	1.00	2.067	0.70	44.98	89.20	14.00	58.97	0.50
59.65	33.00	1.96	1.00	2.068	0.70	44.97	89.20	13.99	58.96	0.50
59.70	33.00	1.96	1.00	2.069	0.70	44.95	89.20	13.99	58.94	0.50
59.75	33.00	1.96	1.00	2.071	0.69	44.94	89.20	13.99	58.93	0.50
59.80	33.00	1.96	1.00	2.072	0.69	44.93	89.20	13.99	58.91	0.50
59.85	33.00	1.96	1.00	2.073	0.69	44.91	89.20	13.98	58.90	0.50
59.90	33.00	1.96	1.00	2.074	0.69	44.90	89.20	13.98	58.88	0.50
59.95	33.00	1.96	1.00	2.075	0.69	44.89	89.20	13.98	58.87	0.50
60.00	33.00	1.96	1.00	2.077	0.69	44.88	89.20	13.98	58.85	0.50
60.05	33.00	1.96	1.00	2.078	0.69	44.86	89.20	13.97	58.84	0.50
60.10	33.00	1.96	1.00	2.079	0.69	44.85	89.20	13.97	58.82	0.50
60.15	33.00	1.96	1.00	2.080	0.69	44.84	89.20	13.97	58.81	0.50
60.20	33.00	1.96	1.00	2.081	0.69	44.83	89.20	13.97	58.79	0.50
60.25	33.00	1.96	1.00	2.082	0.69	44.81	89.20	13.96	58.78	0.50
60.30	33.00	1.96	1.00	2.084	0.69	44.80	89.20	13.96	58.76	0.50
60.35	33.00	1.96	1.00	2.085	0.69	44.79	89.20	13.96	58.75	0.50
60.40	33.00	1.96	1.00	2.086	0.69	44.78	89.20	13.96	58.73	0.50
60.45	33.00	1.96	1.00	2.087	0.69	44.76	89.20	13.95	58.72	0.50
60.50	33.00	1.96	1.00	2.088	0.69	44.75	89.20	13.95	58.70	0.50
60.55	33.00	1.96	1.00	2.089	0.69	44.74	89.20	13.95	58.69	0.50
60.60	33.00	1.96	1.00	2.091	0.69	44.73	89.20	13.95	58.67	0.50
60.65	33.00	1.96	1.00	2.092	0.69	44.71	89.20	13.94	58.66	0.50
60.70	33.00	1.96	1.00	2.093	0.69	44.70	89.20	13.94	58.64	0.50
60.75	33.00	1.96	1.00	2.094	0.69	44.69	89.20	13.94	58.63	0.50
60.80	33.00	1.96	1.00	2.095	0.69	44.68	89.20	13.94	58.61	0.50
60.85	33.00	1.96	1.00	2.096	0.69	44.66	89.20	13.93	58.60	0.50
60.90	33.00	1.96	1.00	2.097	0.69	44.65	89.20	13.93	58.58	0.50
60.95	33.00	1.96	1.00	2.099	0.69	44.64	89.20	13.93	58.57	0.50
61.00	33.00	1.96	1.00	2.100	0.69	44.63	89.20	13.93	58.55	0.50
61.05	33.00	1.96	1.00	2.101	0.69	44.62	89.20	13.92	58.54	0.50
61.10	33.00	1.96	1.00	2.102	0.69	44.60	89.20	13.92	58.52	0.50
61.15	33.00	1.96	1.00	2.103	0.69	44.59	89.20	13.92	58.51	0.50
61.20	33.00	1.96	1.00	2.104	0.69	44.58	89.20	13.92	58.49	0.50
61.25	33.00	1.96	1.00	2.105	0.69	44.57	89.20	13.91	58.48	0.50
61.30	33.00	1.96	1.00	2.107	0.69	44.55	89.20	13.91	58.47	0.50
61.35	33.00	1.96	1.00	2.108	0.69	44.54	89.20	13.91	58.45	0.50
61.40	33.00	1.96	1.00	2.109	0.69	44.53	89.20	13.91	58.44	0.50
61.45	33.00	1.96	1.00	2.110	0.69	44.52	89.20	13.90	58.42	0.50
61.50	33.00	1.96	1.00	2.111	0.69	44.51	89.20	13.90	58.41	0.50
61.55	33.00	1.96	1.00	2.112	0.69	44.50	89.20	13.90	58.39	0.50
61.60	33.00	1.96	1.00	2.113	0.69	44.48	89.20	13.90	58.38	0.50
61.65	33.00	1.96	1.00	2.114	0.69	44.47	89.20	13.89	58.37	0.50

61.70	33.00	1.96	1.00	2.116	0.69	44.46	89.20	13.89	58.35	0.50
61.75	33.00	1.96	1.00	2.117	0.69	44.45	89.20	13.89	58.34	0.50
61.80	33.00	1.96	1.00	2.118	0.69	44.44	89.20	13.89	58.32	0.50
61.85	33.00	1.96	1.00	2.119	0.69	44.43	89.20	13.89	58.31	0.50
61.90	33.00	1.96	1.00	2.120	0.69	44.41	89.20	13.88	58.30	0.50
61.95	33.00	1.96	1.00	2.121	0.69	44.40	89.20	13.88	58.28	0.50
62.00	33.00	1.96	1.00	2.122	0.69	44.39	89.20	13.88	58.27	0.50
62.05	33.00	1.96	1.00	2.123	0.69	44.38	89.20	13.88	58.25	0.50
62.10	33.00	1.96	1.00	2.124	0.69	44.37	89.20	13.87	58.24	0.50
62.15	33.00	1.96	1.00	2.125	0.69	44.36	89.20	13.87	58.23	0.50
62.20	33.00	1.96	1.00	2.127	0.69	44.34	89.20	13.87	58.21	0.50
62.25	33.00	1.96	1.00	2.128	0.69	44.33	89.20	13.87	58.20	0.50
62.30	33.00	1.96	1.00	2.129	0.69	44.32	89.20	13.86	58.19	0.50
62.35	33.00	1.96	1.00	2.130	0.69	44.31	89.20	13.86	58.17	0.50
62.40	33.00	1.96	1.00	2.131	0.69	44.30	89.20	13.86	58.16	0.50
62.45	33.00	1.96	1.00	2.132	0.68	44.29	89.20	13.86	58.15	0.50
62.50	33.00	1.96	1.00	2.133	0.68	44.28	89.20	13.86	58.13	0.50
62.55	33.01	1.96	1.00	2.134	0.68	44.27	89.20	13.85	58.13	0.50
62.60	33.01	1.96	1.00	2.135	0.68	44.27	89.20	13.85	58.13	0.50
62.65	33.02	1.96	1.00	2.136	0.68	44.27	89.20	13.85	58.12	0.50
62.70	33.03	1.96	1.00	2.137	0.68	44.27	89.20	13.85	58.12	0.50
62.75	33.03	1.96	1.00	2.139	0.68	44.26	89.20	13.85	58.12	0.50
62.80	33.04	1.96	1.00	2.140	0.68	44.26	89.20	13.85	58.11	0.50
62.85	33.05	1.96	1.00	2.141	0.68	44.26	89.20	13.85	58.11	0.50
62.90	33.05	1.96	1.00	2.142	0.68	44.26	89.20	13.85	58.11	0.50
62.95	33.06	1.96	1.00	2.143	0.68	44.26	89.20	13.85	58.11	0.50
63.00	33.07	1.96	1.00	2.144	0.68	44.25	89.20	13.85	58.10	0.50
63.05	33.07	1.96	1.00	2.145	0.68	44.25	89.20	13.85	58.10	0.50
63.10	33.08	1.96	1.00	2.146	0.68	44.25	89.20	13.85	58.10	0.50
63.15	33.09	1.96	1.00	2.147	0.68	44.25	89.20	13.85	58.10	0.50
63.20	33.09	1.96	1.00	2.148	0.68	44.24	89.20	13.85	58.09	0.50
63.25	33.10	1.96	1.00	2.149	0.68	44.24	89.20	13.85	58.09	0.50
63.30	33.11	1.96	1.00	2.150	0.68	44.24	89.20	13.85	58.09	0.50
63.35	33.11	1.96	1.00	2.152	0.68	44.24	89.20	13.85	58.09	0.50
63.40	33.12	1.96	1.00	2.153	0.68	44.24	89.20	13.85	58.08	0.50
63.45	33.13	1.96	1.00	2.154	0.68	44.23	89.20	13.85	58.08	0.50
63.50	33.13	1.96	1.00	2.155	0.68	44.23	89.20	13.85	58.08	0.50
63.55	33.14	1.96	1.00	2.156	0.68	44.23	89.20	13.85	58.07	0.50
63.60	33.15	1.96	1.00	2.157	0.68	44.23	89.20	13.85	58.07	0.50
63.65	33.15	1.96	1.00	2.158	0.68	44.22	89.20	13.84	58.07	0.50
63.70	33.16	1.96	1.00	2.159	0.68	44.22	89.20	13.84	58.07	0.50
63.75	33.17	1.96	1.00	2.160	0.68	44.22	89.20	13.84	58.06	0.50
63.80	33.17	1.96	1.00	2.161	0.68	44.22	89.20	13.84	58.06	0.50
63.85	33.18	1.96	1.00	2.162	0.68	44.22	89.20	13.84	58.06	0.50
63.90	33.19	1.96	1.00	2.164	0.68	44.21	89.20	13.84	58.06	0.50
63.95	33.19	1.96	1.00	2.165	0.68	44.21	89.20	13.84	58.05	0.50
64.00	33.20	1.96	1.00	2.166	0.68	44.21	89.20	13.84	58.05	0.50
64.05	33.21	1.96	1.00	2.167	0.68	44.21	89.20	13.84	58.05	0.50
64.10	33.21	1.96	1.00	2.168	0.68	44.20	89.20	13.84	58.05	0.50
64.15	33.22	1.96	1.00	2.169	0.68	44.20	89.20	13.84	58.04	0.50
64.20	33.23	1.96	1.00	2.170	0.68	44.20	89.20	13.84	58.04	0.50
64.25	33.23	1.96	1.00	2.171	0.68	44.20	89.20	13.84	58.04	0.50
64.30	33.24	1.96	1.00	2.172	0.68	44.20	89.20	13.84	58.03	0.50
64.35	33.25	1.96	1.00	2.173	0.68	44.19	89.20	13.84	58.03	0.50
64.40	33.25	1.96	1.00	2.174	0.68	44.19	89.20	13.84	58.03	0.50
64.45	33.26	1.96	1.00	2.175	0.68	44.19	89.20	13.84	58.03	0.50
64.50	33.27	1.96	1.00	2.177	0.68	44.19	89.20	13.84	58.02	0.50
64.55	33.27	1.96	1.00	2.178	0.68	44.18	89.20	13.84	58.02	0.50
64.60	33.28	1.96	1.00	2.179	0.68	44.18	89.20	13.84	58.02	0.50
64.65	33.29	1.96	1.00	2.180	0.68	44.18	89.20	13.84	58.02	0.50
64.70	33.29	1.96	1.00	2.181	0.68	44.18	89.20	13.84	58.01	0.50
64.75	33.30	1.96	1.00	2.182	0.68	44.18	89.20	13.84	58.01	0.50
64.80	33.31	1.96	1.00	2.183	0.68	44.17	89.20	13.83	58.01	0.50
64.85	33.31	1.96	1.00	2.184	0.68	44.17	89.20	13.83	58.01	0.50
64.90	33.32	1.96	1.00	2.185	0.68	44.17	89.20	13.83	58.00	0.50
64.95	33.33	1.96	1.00	2.186	0.68	44.17	89.20	13.83	58.00	0.50
65.00	33.33	1.96	1.00	2.187	0.68	44.17	89.20	13.83	58.00	0.50
65.05	33.34	1.96	1.00	2.188	0.68	44.16	89.20	13.83	58.00	0.50
65.10	33.35	1.96	1.00	2.190	0.68	44.16	89.20	13.83	57.99	0.50
65.15	33.35	1.96	1.00	2.191	0.68	44.16	89.20	13.83	57.99	0.50
65.20	33.36	1.96	1.00	2.192	0.68	44.16	89.20	13.83	57.99	0.50
65.25	33.37	1.96	1.00	2.193	0.68	44.15	89.20	13.83	57.99	0.50
65.30	33.37	1.96	1.00	2.194	0.68	44.15	89.20	13.83	57.98	0.50

65.35	33.38	1.96	1.00	2.195	0.67	44.15	89.20	13.83	57.98	0.50
65.40	33.39	1.96	1.00	2.196	0.67	44.15	89.20	13.83	57.98	0.50
65.45	33.39	1.96	1.00	2.197	0.67	44.15	89.20	13.83	57.98	0.50
65.50	33.40	1.96	1.00	2.198	0.67	44.14	89.20	13.83	57.97	0.50
65.55	33.41	1.96	1.00	2.199	0.67	44.14	89.20	13.83	57.97	0.50
65.60	33.41	1.96	1.00	2.200	0.67	44.14	89.20	13.83	57.97	0.50
65.65	33.42	1.96	1.00	2.202	0.67	44.14	89.20	13.83	57.97	0.50
65.70	33.43	1.96	1.00	2.203	0.67	44.14	89.20	13.83	57.96	0.50
65.75	33.43	1.96	1.00	2.204	0.67	44.13	89.20	13.83	57.96	0.50
65.80	33.44	1.96	1.00	2.205	0.67	44.13	89.20	13.83	57.96	0.50
65.85	33.45	1.96	1.00	2.206	0.67	44.13	89.20	13.83	57.96	0.50
65.90	33.45	1.96	1.00	2.207	0.67	44.13	89.20	13.83	57.95	0.50
65.95	33.46	1.96	1.00	2.208	0.67	44.13	89.20	13.83	57.95	0.50
66.00	33.47	1.96	1.00	2.209	0.67	44.12	89.20	13.82	57.95	0.50
66.05	33.47	1.96	1.00	2.210	0.67	44.12	89.20	13.82	57.95	0.50
66.10	33.48	1.96	1.00	2.211	0.67	44.12	89.20	13.82	57.94	0.50
66.15	33.49	1.96	1.00	2.212	0.67	44.12	89.20	13.82	57.94	0.50
66.20	33.49	1.96	1.00	2.213	0.67	44.12	89.20	13.82	57.94	0.50
66.25	33.50	1.96	1.00	2.215	0.67	44.11	89.20	13.82	57.94	0.50
66.30	33.51	1.96	1.00	2.216	0.67	44.11	89.20	13.82	57.93	0.50
66.35	33.51	1.96	1.00	2.217	0.67	44.11	89.20	13.82	57.93	0.50
66.40	33.52	1.96	1.00	2.218	0.67	44.11	89.20	13.82	57.93	0.50
66.45	33.53	1.96	1.00	2.219	0.67	44.10	89.20	13.82	57.93	0.50
66.50	33.53	1.96	1.00	2.220	0.67	44.10	89.20	13.82	57.92	0.50
66.55	33.54	1.96	1.00	2.221	0.67	44.10	89.20	13.82	57.92	0.50
66.60	33.55	1.96	1.00	2.222	0.67	44.10	89.20	13.82	57.92	0.50
66.65	33.55	1.96	1.00	2.223	0.67	44.10	89.20	13.82	57.92	0.50
66.70	33.56	1.96	1.00	2.224	0.67	44.09	89.20	13.82	57.91	0.50
66.75	33.57	1.96	1.00	2.225	0.67	44.09	89.20	13.82	57.91	0.50
66.80	33.57	1.96	1.00	2.227	0.67	44.09	89.20	13.82	57.91	0.50
66.85	33.58	1.96	1.00	2.228	0.67	44.09	89.20	13.82	57.91	0.50
66.90	33.59	1.96	1.00	2.229	0.67	44.09	89.20	13.82	57.90	0.50
66.95	33.59	1.96	1.00	2.230	0.67	44.08	89.20	13.82	57.90	0.50
67.00	33.60	1.96	1.00	2.231	0.67	44.08	89.20	13.82	57.90	0.50
67.05	33.61	1.96	1.00	2.232	0.67	44.08	89.20	13.82	57.90	0.50
67.10	33.61	1.96	1.00	2.233	0.67	44.08	89.20	13.82	57.89	0.50
67.15	33.62	1.96	1.00	2.234	0.67	44.08	89.20	13.82	57.89	0.50
67.20	33.63	1.96	1.00	2.235	0.67	44.07	89.20	13.81	57.89	0.50
67.25	33.63	1.96	1.00	2.236	0.67	44.07	89.20	13.81	57.89	0.50
67.30	33.64	1.96	1.00	2.237	0.67	44.07	89.20	13.81	57.89	0.50
67.35	33.65	1.96	1.00	2.238	0.67	44.07	89.20	13.81	57.88	0.50
67.40	33.65	1.96	1.00	2.240	0.67	44.07	89.20	13.81	57.88	0.50
67.45	33.66	1.96	1.00	2.241	0.67	44.06	89.20	13.81	57.88	0.50
67.50	33.67	1.96	1.00	2.242	0.67	44.06	89.20	13.81	57.88	0.50
67.55	33.67	1.96	1.00	2.243	0.67	44.06	89.20	13.81	57.87	0.50
67.60	33.68	1.96	1.00	2.244	0.67	44.06	89.20	13.81	57.87	0.50
67.65	33.69	1.96	1.00	2.245	0.67	44.06	89.20	13.81	57.87	0.50
67.70	33.69	1.96	1.00	2.246	0.67	44.06	89.20	13.81	57.87	0.50
67.75	33.70	1.96	1.00	2.247	0.67	44.05	89.20	13.81	57.86	0.50
67.80	33.71	1.96	1.00	2.248	0.67	44.05	89.20	13.81	57.86	0.50
67.85	33.71	1.96	1.00	2.249	0.67	44.05	89.20	13.81	57.86	0.50
67.90	33.72	1.96	1.00	2.250	0.67	44.05	89.20	13.81	57.86	0.50
67.95	33.73	1.96	1.00	2.252	0.67	44.05	89.20	13.81	57.85	0.50
68.00	33.73	1.96	1.00	2.253	0.67	44.04	89.20	13.81	57.85	0.50
68.05	33.74	1.96	1.00	2.254	0.67	44.04	89.20	13.81	57.85	0.50
68.10	33.75	1.96	1.00	2.255	0.67	44.04	89.20	13.81	57.85	0.50
68.15	33.75	1.96	1.00	2.256	0.67	44.04	89.20	13.81	57.85	0.50
68.20	33.76	1.96	1.00	2.257	0.67	44.04	89.20	13.81	57.84	0.50
68.25	33.77	1.96	1.00	2.258	0.67	44.03	89.20	13.81	57.84	0.50
68.30	33.77	1.96	1.00	2.259	0.67	44.03	89.20	13.81	57.84	0.50
68.35	33.78	1.96	1.00	2.260	0.67	44.03	89.20	13.81	57.84	0.50
68.40	33.79	1.96	1.00	2.261	0.66	44.03	89.20	13.81	57.83	0.50
68.45	33.79	1.96	1.00	2.262	0.66	44.03	89.20	13.81	57.83	0.50
68.50	33.80	1.96	1.00	2.264	0.66	44.02	89.20	13.80	57.83	0.50
68.55	33.81	1.96	1.00	2.265	0.66	44.02	89.20	13.80	57.83	0.50
68.60	33.81	1.96	1.00	2.266	0.66	44.02	89.20	13.80	57.82	0.50
68.65	33.82	1.96	1.00	2.267	0.66	44.02	89.20	13.80	57.82	0.50
68.70	33.83	1.96	1.00	2.268	0.66	44.02	89.20	13.80	57.82	0.50
68.75	33.83	1.96	1.00	2.269	0.66	44.01	89.20	13.80	57.82	0.50
68.80	33.84	1.96	1.00	2.270	0.66	44.01	89.20	13.80	57.82	0.50
68.85	33.85	1.96	1.00	2.271	0.66	44.01	89.20	13.80	57.81	0.50
68.90	33.85	1.96	1.00	2.272	0.66	44.01	89.20	13.80	57.81	0.50
68.95	33.86	1.96	1.00	2.273	0.66	44.01	89.20	13.80	57.81	0.50

69.00	33.87	1.96	1.00	2.274	0.66	44.01	89.20	13.80	57.81	0.50
69.05	33.87	1.96	1.00	2.275	0.66	44.00	89.20	13.80	57.80	0.50
69.10	33.88	1.96	1.00	2.277	0.66	44.00	89.20	13.80	57.80	0.50
69.15	33.89	1.96	1.00	2.278	0.66	44.00	89.20	13.80	57.80	0.50
69.20	33.89	1.96	1.00	2.279	0.66	44.00	89.20	13.80	57.80	0.50
69.25	33.90	1.96	1.00	2.280	0.66	44.00	89.20	13.80	57.80	0.50
69.30	33.91	1.96	1.00	2.281	0.66	43.99	89.20	13.80	57.79	0.50
69.35	33.91	1.96	1.00	2.282	0.66	43.99	89.20	13.80	57.79	0.50
69.40	33.92	1.96	1.00	2.283	0.66	43.99	89.20	13.80	57.79	0.50
69.45	33.93	1.96	1.00	2.284	0.66	43.99	89.20	13.80	57.79	0.50
69.50	33.93	1.96	1.00	2.285	0.66	43.99	89.20	13.80	57.78	0.50
69.55	33.94	1.96	1.00	2.286	0.66	43.99	89.20	13.80	57.78	0.50
69.60	33.95	1.96	1.00	2.287	0.66	43.98	89.20	13.80	57.78	0.50
69.65	33.95	1.96	1.00	2.289	0.66	43.98	89.20	13.80	57.78	0.50
69.70	33.96	1.96	1.00	2.290	0.66	43.98	89.20	13.80	57.78	0.50
69.75	33.97	1.96	1.00	2.291	0.66	43.98	89.20	13.80	57.77	0.50
69.80	33.97	1.96	1.00	2.292	0.66	43.98	89.20	13.80	57.77	0.50
69.85	33.98	1.96	1.00	2.293	0.66	43.97	89.20	13.79	57.77	0.50
69.90	33.99	1.96	1.00	2.294	0.66	43.97	89.20	13.79	57.77	0.50
69.95	33.99	1.96	1.00	2.295	0.66	43.97	89.20	13.79	57.76	0.50
70.00	34.00	1.96	1.00	2.296	0.66	43.97	89.20	13.79	57.76	0.50

CRR is based on water table at 17.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.73:

Depth ft	sigC' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	F.S.=CRRm/CSRfs
7.50	0.21	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.55	0.21	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.60	0.21	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.65	0.21	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.70	0.22	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.75	0.22	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.80	0.22	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.85	0.22	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.90	0.22	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
7.95	0.22	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.00	0.22	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.05	0.23	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.10	0.23	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.15	0.23	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.20	0.23	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.25	0.23	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.30	0.23	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.35	0.24	0.50	1.00	0.50	1.32	2.00	1.14	5.00 ^
8.40	0.24	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.45	0.24	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.50	0.24	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.55	0.24	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.60	0.24	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.65	0.24	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.70	0.25	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.75	0.25	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.80	0.25	0.50	1.00	0.50	1.32	2.00	1.13	5.00 ^
8.85	0.25	0.50	1.00	0.50	1.32	2.00	1.12	5.00 ^
8.90	0.25	0.50	1.00	0.50	1.32	2.00	1.12	5.00 ^
8.95	0.25	0.50	1.00	0.50	1.32	2.00	1.12	5.00 ^
9.00	0.25	0.50	1.00	0.50	1.32	2.00	1.12	5.00 ^
9.05	0.26	0.50	1.00	0.50	1.32	2.00	1.12	5.00 ^
9.10	0.26	0.50	1.00	0.50	1.32	2.00	1.12	5.00 ^
9.15	0.26	0.50	1.00	0.50	1.32	2.00	1.12	5.00 ^
9.20	0.26	0.50	1.00	0.50	1.32	2.00	1.12	5.00 ^
9.25	0.26	0.50	1.00	0.50	1.32	2.00	1.11	5.00 ^
9.30	0.26	0.50	1.00	0.50	1.32	2.00	1.11	5.00 ^
9.35	0.27	0.50	1.00	0.50	1.32	2.00	1.11	5.00 ^
9.40	0.27	0.50	1.00	0.50	1.32	2.00	1.11	5.00 ^
9.45	0.27	0.50	1.00	0.50	1.32	2.00	1.11	5.00 ^
9.50	0.27	0.50	1.00	0.50	1.32	2.00	1.11	5.00 ^
9.55	0.27	0.50	1.00	0.50	1.32	2.00	1.10	5.00 ^
9.60	0.27	0.50	1.00	0.50	1.32	2.00	1.10	5.00 ^
9.65	0.28	0.50	1.00	0.50	1.32	2.00	1.10	5.00 ^
9.70	0.28	0.50	1.00	0.50	1.32	2.00	1.10	5.00 ^

9.75	0.28	0.50	1.00	0.50	1.32	2.00	1.10	5.00 ^
9.80	0.28	0.50	1.00	0.50	1.32	2.00	1.10	5.00 ^
9.85	0.28	0.50	1.00	0.50	1.32	2.00	1.10	5.00 ^
9.90	0.28	0.50	1.00	0.50	1.32	2.00	1.09	5.00 ^
9.95	0.28	0.50	1.00	0.50	1.32	2.00	1.09	5.00 ^
10.00	0.29	0.50	1.00	0.50	1.32	2.00	1.09	5.00 ^
10.05	0.29	0.50	1.00	0.50	1.32	2.00	1.09	5.00 ^
10.10	0.29	0.50	1.00	0.50	1.32	2.00	1.09	5.00 ^
10.15	0.29	0.50	1.00	0.50	1.32	2.00	1.08	5.00 ^
10.20	0.29	0.50	1.00	0.50	1.32	2.00	1.08	5.00 ^
10.25	0.29	0.50	1.00	0.50	1.32	2.00	1.08	5.00 ^
10.30	0.30	0.50	1.00	0.50	1.32	2.00	1.08	5.00 ^
10.35	0.30	0.50	1.00	0.50	1.32	2.00	1.08	5.00 ^
10.40	0.30	0.50	1.00	0.50	1.32	2.00	1.08	5.00 ^
10.45	0.30	0.50	1.00	0.50	1.32	2.00	1.07	5.00 ^
10.50	0.30	0.50	1.00	0.50	1.32	2.00	1.07	5.00 ^
10.55	0.30	0.50	1.00	0.50	1.32	2.00	1.07	5.00 ^
10.60	0.31	0.50	1.00	0.50	1.32	2.00	1.07	5.00 ^
10.65	0.31	0.50	1.00	0.50	1.32	2.00	1.07	5.00 ^
10.70	0.31	0.50	1.00	0.50	1.32	2.00	1.07	5.00 ^
10.75	0.31	0.50	1.00	0.50	1.32	2.00	1.06	5.00 ^
10.80	0.31	0.50	1.00	0.50	1.32	2.00	1.06	5.00 ^
10.85	0.32	0.50	1.00	0.50	1.32	2.00	1.06	5.00 ^
10.90	0.32	0.50	1.00	0.50	1.32	2.00	1.06	5.00 ^
10.95	0.32	0.50	1.00	0.50	1.32	2.00	1.06	5.00 ^
11.00	0.32	0.50	1.00	0.50	1.32	2.00	1.05	5.00 ^
11.05	0.32	0.50	1.00	0.50	1.32	2.00	1.05	5.00 ^
11.10	0.32	0.50	1.00	0.50	1.32	2.00	1.05	5.00 ^
11.15	0.33	0.50	1.00	0.50	1.32	2.00	1.05	5.00 ^
11.20	0.33	0.50	1.00	0.50	1.32	2.00	1.05	5.00 ^
11.25	0.33	0.50	1.00	0.50	1.32	2.00	1.04	5.00 ^
11.30	0.33	0.50	1.00	0.50	1.32	2.00	1.04	5.00 ^
11.35	0.33	0.50	1.00	0.50	1.32	2.00	1.04	5.00 ^
11.40	0.33	0.50	1.00	0.50	1.32	2.00	1.04	5.00 ^
11.45	0.34	0.50	1.00	0.50	1.32	2.00	1.04	5.00 ^
11.50	0.34	0.50	1.00	0.50	1.32	2.00	1.03	5.00 ^
11.55	0.34	0.50	1.00	0.50	1.32	2.00	1.03	5.00 ^
11.60	0.34	0.50	1.00	0.50	1.32	2.00	1.03	5.00 ^
11.65	0.34	0.50	1.00	0.50	1.32	2.00	1.03	5.00 ^
11.70	0.35	0.50	1.00	0.50	1.32	2.00	1.03	5.00 ^
11.75	0.35	0.50	1.00	0.50	1.32	2.00	1.03	5.00 ^
11.80	0.35	0.50	1.00	0.50	1.32	2.00	1.02	5.00 ^
11.85	0.35	0.50	1.00	0.50	1.32	2.00	1.02	5.00 ^
11.90	0.35	0.50	1.00	0.50	1.32	2.00	1.02	5.00 ^
11.95	0.35	0.50	1.00	0.50	1.32	2.00	1.02	5.00 ^
12.00	0.36	0.50	1.00	0.50	1.32	2.00	1.02	5.00 ^
12.05	0.36	0.50	1.00	0.50	1.32	2.00	1.01	5.00 ^
12.10	0.36	0.50	1.00	0.50	1.32	2.00	1.01	5.00 ^
12.15	0.36	0.50	1.00	0.50	1.32	2.00	1.01	5.00 ^
12.20	0.36	0.50	1.00	0.50	1.32	2.00	1.01	5.00 ^
12.25	0.37	0.50	1.00	0.50	1.32	2.00	1.01	5.00 ^
12.30	0.37	0.50	1.00	0.50	1.32	2.00	1.00	5.00 ^
12.35	0.37	0.50	1.00	0.50	1.32	2.00	1.00	5.00 ^
12.40	0.37	0.50	1.00	0.50	1.32	2.00	1.00	5.00 ^
12.45	0.37	0.50	1.00	0.50	1.32	2.00	1.00	5.00 ^
12.50	0.37	0.50	1.00	0.50	1.32	2.00	1.00	5.00 ^
12.55	0.38	0.50	1.00	0.50	1.32	2.00	0.99	5.00 ^
12.60	0.38	0.50	1.00	0.50	1.32	2.00	0.99	5.00 ^
12.65	0.38	0.50	1.00	0.50	1.32	2.00	0.99	5.00 ^
12.70	0.38	0.50	1.00	0.50	1.32	2.00	0.99	5.00 ^
12.75	0.38	0.50	1.00	0.50	1.32	2.00	0.99	5.00 ^
12.80	0.39	0.50	1.00	0.50	1.32	2.00	0.99	5.00 ^
12.85	0.39	0.50	1.00	0.50	1.32	2.00	0.98	5.00 ^
12.90	0.39	0.50	1.00	0.50	1.32	2.00	0.98	5.00 ^
12.95	0.39	0.50	1.00	0.50	1.32	2.00	0.98	5.00 ^
13.00	0.39	0.50	1.00	0.50	1.32	2.00	0.98	5.00 ^
13.05	0.40	0.50	1.00	0.50	1.32	2.00	0.98	5.00 ^
13.10	0.40	0.50	1.00	0.50	1.32	2.00	0.97	5.00 ^
13.15	0.40	0.50	1.00	0.50	1.32	2.00	0.97	5.00 ^
13.20	0.40	0.50	1.00	0.50	1.32	2.00	0.97	5.00 ^
13.25	0.40	0.50	1.00	0.50	1.32	2.00	0.97	5.00 ^
13.30	0.40	0.50	1.00	0.50	1.32	2.00	0.97	5.00 ^
13.35	0.41	0.50	1.00	0.50	1.32	2.00	0.97	5.00 ^

13.40	0.41	0.50	1.00	0.50	1.32	2.00	0.97	5.00 ^
13.45	0.41	0.50	1.00	0.50	1.32	2.00	0.96	5.00 ^
13.50	0.41	0.50	1.00	0.50	1.32	2.00	0.96	5.00 ^
13.55	0.41	0.50	1.00	0.50	1.32	2.00	0.96	5.00 ^
13.60	0.42	0.50	1.00	0.50	1.32	2.00	0.96	5.00 ^
13.65	0.42	0.50	1.00	0.50	1.32	2.00	0.96	5.00 ^
13.70	0.42	0.50	1.00	0.50	1.32	2.00	0.96	5.00 ^
13.75	0.42	0.50	1.00	0.50	1.32	2.00	0.96	5.00 ^
13.80	0.42	0.50	1.00	0.50	1.32	2.00	0.95	5.00 ^
13.85	0.43	0.50	1.00	0.50	1.32	2.00	0.95	5.00 ^
13.90	0.43	0.50	1.00	0.50	1.32	2.00	0.95	5.00 ^
13.95	0.43	0.50	1.00	0.50	1.32	2.00	0.95	5.00 ^
14.00	0.43	0.50	1.00	0.50	1.32	2.00	0.95	5.00 ^
14.05	0.43	0.50	1.00	0.50	1.32	2.00	0.95	5.00 ^
14.10	0.43	0.50	1.00	0.50	1.32	2.00	0.95	5.00 ^
14.15	0.44	0.50	1.00	0.50	1.32	2.00	0.94	5.00 ^
14.20	0.44	0.50	1.00	0.50	1.32	2.00	0.94	5.00 ^
14.25	0.44	0.50	1.00	0.50	1.32	2.00	0.94	5.00 ^
14.30	0.44	0.50	1.00	0.50	1.32	2.00	0.94	5.00 ^
14.35	0.44	0.50	1.00	0.50	1.32	2.00	0.94	5.00 ^
14.40	0.45	0.50	1.00	0.50	1.32	2.00	0.94	5.00 ^
14.45	0.45	0.50	1.00	0.50	1.32	2.00	0.94	5.00 ^
14.50	0.45	0.50	1.00	0.50	1.32	2.00	0.94	5.00 ^
14.55	0.45	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
14.60	0.45	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
14.65	0.46	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
14.70	0.46	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
14.75	0.46	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
14.80	0.46	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
14.85	0.46	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
14.90	0.46	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
14.95	0.47	0.50	1.00	0.50	1.32	2.00	0.93	5.00 ^
15.00	0.47	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.05	0.47	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.10	0.47	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.15	0.47	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.20	0.48	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.25	0.48	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.30	0.48	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.35	0.48	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.40	0.48	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.45	0.48	0.50	1.00	0.50	1.32	2.00	0.92	5.00 ^
15.50	0.49	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.55	0.49	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.60	0.49	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.65	0.49	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.70	0.49	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.75	0.50	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.80	0.50	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.85	0.50	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.90	0.50	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
15.95	0.50	0.50	1.00	0.50	1.32	2.00	0.91	5.00 ^
16.00	0.51	0.50	1.00	0.50	1.32	2.00	0.90	5.00 ^
16.05	0.51	0.50	1.00	0.50	1.32	2.00	0.90	5.00 ^
16.10	0.51	0.50	1.00	0.50	1.32	2.00	0.90	5.00 ^
16.15	0.51	0.50	1.00	0.50	1.32	2.00	0.90	5.00 ^
16.20	0.51	0.50	1.00	0.50	1.32	2.00	0.90	5.00 ^
16.25	0.51	0.49	1.00	0.49	1.32	2.00	0.90	5.00 ^
16.30	0.52	0.43	1.00	0.43	1.32	2.00	0.90	5.00 ^
16.35	0.52	0.41	1.00	0.41	1.32	2.00	0.90	5.00 ^
16.40	0.52	0.39	1.00	0.39	1.32	2.00	0.90	5.00 ^
16.45	0.52	0.38	1.00	0.38	1.32	2.00	0.90	5.00 ^
16.50	0.52	0.37	1.00	0.37	1.32	2.00	0.90	5.00 ^
16.55	0.53	0.36	1.00	0.36	1.32	2.00	0.90	5.00 ^
16.60	0.53	0.35	1.00	0.35	1.32	2.00	0.89	5.00 ^
16.65	0.53	0.35	1.00	0.35	1.32	2.00	0.89	5.00 ^
16.70	0.53	0.34	1.00	0.34	1.32	2.00	0.89	5.00 ^
16.75	0.53	0.34	1.00	0.34	1.32	2.00	0.89	5.00 ^
16.80	0.54	0.33	1.00	0.33	1.32	2.00	0.89	5.00 ^
16.85	0.54	0.32	1.00	0.32	1.32	2.00	0.89	5.00 ^
16.90	0.54	0.32	1.00	0.32	1.32	2.00	0.89	5.00 ^
16.95	0.54	0.31	1.00	0.31	1.32	2.00	0.89	5.00 ^
17.00	0.54	0.31	1.00	0.31	1.32	2.00	0.89	5.00 ^

17.05	0.54	0.31	1.00	0.31	1.32	2.00	0.89	5.00 ^
17.10	0.54	0.30	1.00	0.30	1.32	2.00	0.89	5.00 ^
17.15	0.55	0.30	1.00	0.30	1.32	2.00	0.89	5.00 ^
17.20	0.55	0.29	1.00	0.29	1.32	2.00	0.89	5.00 ^
17.25	0.55	0.29	1.00	0.29	1.32	2.00	0.88	5.00 ^
17.30	0.55	0.29	1.00	0.29	1.32	2.00	0.88	5.00 ^
17.35	0.55	0.28	1.00	0.28	1.32	2.00	0.88	5.00 ^
17.40	0.55	0.28	1.00	0.28	1.32	2.00	0.88	5.00 ^
17.45	0.55	0.28	1.00	0.28	1.32	2.00	0.88	5.00 ^
17.50	0.55	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.55	0.55	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.60	0.55	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.65	0.55	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.70	0.56	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.75	0.56	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.80	0.56	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.85	0.56	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.90	0.56	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
17.95	0.56	0.27	1.00	0.27	1.32	2.00	0.88	5.00 ^
18.00	0.56	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.05	0.56	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.10	0.56	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.15	0.56	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.20	0.56	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.25	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.30	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.35	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.40	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.45	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.50	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.55	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.60	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.65	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.70	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.75	0.57	0.27	1.00	0.27	1.32	2.00	0.87	5.00 ^
18.80	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
18.85	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
18.90	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
18.95	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
19.00	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
19.05	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
19.10	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
19.15	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
19.20	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
19.25	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
19.30	0.58	0.27	1.00	0.27	1.32	2.00	0.86	5.00 ^
19.35	0.59	0.26	1.00	0.26	1.32	2.00	0.86	5.00 ^
19.40	0.59	0.26	1.00	0.26	1.32	2.00	0.86	5.00 ^
19.45	0.59	0.26	1.00	0.26	1.32	2.00	0.86	5.00 ^
19.50	0.59	0.26	1.00	0.26	1.32	2.00	0.86	5.00 ^
19.55	0.59	0.26	1.00	0.26	1.32	2.00	0.86	5.00 ^
19.60	0.59	0.26	1.00	0.26	1.32	2.00	0.86	5.00 ^
19.65	0.59	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
19.70	0.59	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
19.75	0.59	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
19.80	0.59	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
19.85	0.59	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
19.90	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
19.95	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.00	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.05	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.10	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.15	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.20	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.25	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.30	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.35	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.40	0.60	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.45	0.61	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.50	0.61	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.55	0.61	0.26	1.00	0.26	1.32	2.00	0.85	5.00 ^
20.60	0.61	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
20.65	0.61	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^

20.70	0.61	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
20.75	0.61	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
20.80	0.61	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
20.85	0.61	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
20.90	0.61	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
20.95	0.61	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.00	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.05	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.10	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.15	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.20	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.25	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.30	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.35	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.40	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.45	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.50	0.62	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.55	0.63	0.26	1.00	0.26	1.32	2.00	0.84	5.00 ^
21.60	0.63	0.26	1.00	0.26	1.32	2.00	0.83	5.00 ^
21.65	0.63	0.26	1.00	0.26	1.32	2.00	0.83	5.00 ^
21.70	0.63	0.26	1.00	0.26	1.32	2.00	0.83	5.00 ^
21.75	0.63	0.26	1.00	0.26	1.32	2.00	0.83	5.00 ^
21.80	0.63	0.26	1.00	0.26	1.32	2.00	0.83	5.00 ^
21.85	0.63	0.26	1.00	0.26	1.32	2.00	0.83	5.00 ^
21.90	0.63	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
21.95	0.63	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.00	0.63	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.05	0.63	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.10	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.15	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.20	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.25	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.30	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.35	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.40	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.45	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.50	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.55	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.60	0.64	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.65	0.65	0.25	1.00	0.25	1.32	2.00	0.83	5.00 ^
22.70	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
22.75	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
22.80	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
22.85	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
22.90	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
22.95	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.00	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.05	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.10	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.15	0.65	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.20	0.66	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.25	0.66	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.30	0.66	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.35	0.66	0.25	1.00	0.25	1.32	2.00	0.82	5.00 ^
23.40	0.66	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.45	0.66	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.50	0.66	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.55	0.66	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.60	0.66	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.65	0.66	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.70	0.67	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.75	0.67	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.80	0.67	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.85	0.67	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.90	0.67	0.26	1.00	0.26	1.32	2.00	0.82	5.00 ^
23.95	0.67	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.00	0.67	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.05	0.67	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.10	0.67	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.15	0.67	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.20	0.67	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.25	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.30	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^

24.35	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.40	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.45	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.50	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.55	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.60	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.65	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.70	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.75	0.68	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.80	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.85	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.90	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
24.95	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
25.00	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
25.05	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
25.10	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
25.15	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
25.20	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
25.25	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
25.30	0.69	0.26	1.00	0.26	1.32	2.00	0.81	5.00 ^
25.35	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.40	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.45	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.50	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.55	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.60	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.65	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.70	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.75	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.80	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.85	0.70	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.90	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
25.95	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.00	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.05	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.10	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.15	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.20	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.25	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.30	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.35	0.71	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.40	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.45	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.50	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.55	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.60	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.65	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.70	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.75	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.80	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.85	0.72	0.26	1.00	0.26	1.32	2.00	0.80	5.00 ^
26.90	0.72	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
26.95	0.73	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
27.00	0.73	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
27.05	0.73	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
27.10	0.73	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
27.15	0.73	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
27.20	0.73	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.25	0.73	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.30	0.73	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.35	0.73	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.40	0.73	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.45	0.73	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.50	0.74	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.55	0.74	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.60	0.74	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.65	0.74	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.70	0.74	0.27	1.00	0.27	1.32	2.00	0.79	5.00 ^
27.75	0.74	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
27.80	0.74	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
27.85	0.74	0.26	1.00	0.26	1.32	2.00	0.79	5.00 ^
27.90	0.74	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
27.95	0.74	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^

28.00	0.74	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.05	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.10	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.15	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.20	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.25	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.30	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.35	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.40	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.45	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.50	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.55	0.75	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.60	0.76	0.28	1.00	0.28	1.32	2.00	0.79	5.00 ^
28.65	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
28.70	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
28.75	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
28.80	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
28.85	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
28.90	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
28.95	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
29.00	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
29.05	0.76	0.28	1.00	0.28	1.32	2.00	0.78	5.00 ^
29.10	0.76	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.15	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.20	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.25	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.30	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.35	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.40	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.45	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.50	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.55	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.60	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.65	0.77	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.70	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.75	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.80	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.85	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.90	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
29.95	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
30.00	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
30.05	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
30.10	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
30.15	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
30.20	0.78	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
30.25	0.79	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
30.30	0.79	0.27	1.00	0.27	1.32	2.00	0.78	5.00 ^
30.35	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.40	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.45	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.50	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.55	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.60	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.65	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.70	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.75	0.79	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.80	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.85	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.90	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
30.95	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.00	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.05	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.10	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.15	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.20	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.25	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.30	0.80	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.35	0.81	0.27	1.00	0.27	1.32	2.00	0.77	5.00 ^
31.40	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.45	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.50	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.55	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.60	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^

31.65	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.70	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.75	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.80	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.85	0.81	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.90	0.82	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
31.95	0.82	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
32.00	0.82	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
32.05	0.82	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
32.10	0.82	0.27	1.00	0.27	1.32	2.00	0.76	5.00 ^
32.15	0.82	0.26	1.00	0.26	1.32	2.00	0.76	5.00 ^
32.20	0.82	0.26	1.00	0.26	1.32	2.00	0.76	5.00 ^
32.25	0.82	0.26	1.00	0.26	1.32	2.00	0.76	5.00 ^
32.30	0.82	0.26	1.00	0.26	1.32	2.00	0.76	5.00 ^
32.35	0.82	0.26	1.00	0.26	1.32	2.00	0.76	5.00 ^
32.40	0.82	0.26	1.00	0.26	1.32	2.00	0.76	5.00 ^
32.45	0.83	0.26	1.00	0.26	1.32	2.00	0.76	5.00 ^
32.50	0.83	0.26	1.00	0.26	1.32	2.00	0.75	5.00 ^
32.55	0.83	0.26	1.00	0.26	1.32	0.35	0.75	0.46 *
32.60	0.83	0.26	1.00	0.26	1.32	0.35	0.75	0.46 *
32.65	0.83	0.26	1.00	0.26	1.32	0.35	0.75	0.46 *
32.70	0.83	0.26	1.00	0.26	1.32	0.35	0.75	0.46 *
32.75	0.83	0.26	1.00	0.26	1.32	0.35	0.75	0.46 *
32.80	0.83	0.26	1.00	0.26	1.32	0.35	0.75	0.46 *
32.85	0.83	0.26	1.00	0.26	1.32	0.35	0.75	0.47 *
32.90	0.83	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
32.95	0.83	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.00	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.05	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.10	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.15	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.20	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.25	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.30	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.35	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.40	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.45	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.50	0.84	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.55	0.85	0.27	1.00	0.27	1.32	0.35	0.75	0.47 *
33.60	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.47 *
33.65	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.47 *
33.70	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.47 *
33.75	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.47 *
33.80	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
33.85	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
33.90	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
33.95	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
34.00	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
34.05	0.85	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
34.10	0.86	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
34.15	0.86	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
34.20	0.86	0.27	1.00	0.27	1.32	0.35	0.74	0.48 *
34.25	0.86	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.30	0.86	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.35	0.86	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.40	0.86	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.45	0.86	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.50	0.86	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.55	0.86	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.60	0.86	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.65	0.87	0.27	1.00	0.27	1.32	0.36	0.74	0.48 *
34.70	0.87	0.27	1.00	0.27	1.32	0.36	0.74	0.49 *
34.75	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
34.80	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
34.85	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
34.90	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
34.95	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.00	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.05	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.10	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.15	0.87	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.20	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.25	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *

35.30	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.35	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.40	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.45	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.50	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
35.55	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.50 *
35.60	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.50 *
35.65	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.50 *
35.70	0.88	0.27	1.00	0.27	1.32	0.36	0.73	0.50 *
35.75	0.89	0.27	1.00	0.27	1.32	0.36	0.73	0.50 *
35.80	0.89	0.27	1.00	0.27	1.32	0.36	0.73	0.50 *
35.85	0.89	0.27	1.00	0.27	1.32	0.36	0.72	0.50 *
35.90	0.89	0.27	1.00	0.27	1.32	0.36	0.72	0.50 *
35.95	0.89	0.27	1.00	0.27	1.32	0.36	0.72	0.50 *
36.00	0.89	0.27	1.00	0.27	1.32	0.36	0.72	0.50 *
36.05	0.89	0.27	1.00	0.27	1.32	0.36	0.72	0.50 *
36.10	0.89	0.27	1.00	0.27	1.32	0.36	0.72	0.50 *
36.15	0.89	0.28	1.00	0.28	1.32	0.36	0.72	0.50 *
36.20	0.89	0.28	1.00	0.28	1.32	0.36	0.72	0.50 *
36.25	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.50 *
36.30	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.50 *
36.35	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.50 *
36.40	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.51 *
36.45	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.51 *
36.50	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.51 *
36.55	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.51 *
36.60	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.51 *
36.65	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.51 *
36.70	0.90	0.28	1.00	0.28	1.32	0.36	0.72	0.51 *
36.75	0.90	0.28	1.00	0.28	1.32	0.37	0.72	0.51 *
36.80	0.91	0.28	1.00	0.28	1.32	0.37	0.72	0.51 *
36.85	0.91	0.28	1.00	0.28	1.32	0.37	0.72	0.51 *
36.90	0.91	0.28	1.00	0.28	1.32	0.37	0.72	0.51 *
36.95	0.91	0.28	1.00	0.28	1.32	0.37	0.72	0.51 *
37.00	0.91	0.28	1.00	0.28	1.32	0.37	0.71	0.51 *
37.05	0.91	0.28	1.00	0.28	1.32	0.37	0.71	0.51 *
37.10	0.91	0.28	1.00	0.28	1.32	0.37	0.71	0.51 *
37.15	0.91	0.28	1.00	0.28	1.32	0.37	0.71	0.51 *
37.20	0.91	0.28	1.00	0.28	1.32	0.37	0.71	0.51 *
37.25	0.91	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.30	0.91	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.35	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.40	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.45	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.50	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.55	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.60	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.65	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.70	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.75	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.80	0.92	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.85	0.93	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.90	0.93	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
37.95	0.93	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
38.00	0.93	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
38.05	0.93	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
38.10	0.93	0.28	1.00	0.28	1.32	0.37	0.71	0.52 *
38.15	0.93	0.28	1.00	0.28	1.32	0.37	0.70	0.52 *
38.20	0.93	0.28	1.00	0.28	1.32	0.37	0.70	0.52 *
38.25	0.93	0.28	1.00	0.28	1.32	0.37	0.70	0.52 *
38.30	0.93	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.35	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.40	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.45	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.50	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.55	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.60	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.65	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.70	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.75	0.94	0.28	1.00	0.28	1.32	0.36	0.70	0.52 *
38.80	0.94	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
38.85	0.94	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
38.90	0.95	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *

38.95	0.95	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
39.00	0.95	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
39.05	0.95	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
39.10	0.95	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
39.15	0.95	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
39.20	0.95	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
39.25	0.95	0.27	1.00	0.27	1.32	0.36	0.70	0.52 *
39.30	0.95	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.35	0.95	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.40	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.45	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.50	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.55	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.60	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.65	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.70	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.75	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.80	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.85	0.96	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.90	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
39.95	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.00	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.05	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.10	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.15	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.20	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.25	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.30	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.35	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.40	0.97	0.27	1.00	0.27	1.32	0.36	0.69	0.52 *
40.45	0.98	0.27	1.00	0.27	1.32	0.36	0.68	0.52 *
40.50	0.98	0.27	1.00	0.27	1.32	0.36	0.68	0.52 *
40.55	0.98	0.27	1.00	0.27	1.32	0.36	0.68	0.52 *
40.60	0.98	0.27	1.00	0.27	1.32	0.36	0.68	0.52 *
40.65	0.98	0.27	1.00	0.27	1.32	0.36	0.68	0.52 *
40.70	0.98	0.27	1.00	0.27	1.32	0.36	0.68	0.52 *
40.75	0.98	0.27	1.00	0.27	1.32	0.36	0.68	0.52 *
40.80	0.98	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
40.85	0.98	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
40.90	0.98	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
40.95	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.00	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.05	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.10	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.15	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.20	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.25	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.30	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.35	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.40	0.99	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.45	1.00	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.50	1.00	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.55	1.00	0.27	1.00	0.27	1.32	0.35	0.68	0.52 *
41.60	1.00	0.27	1.00	0.27	1.32	0.35	0.67	0.52 *
41.65	1.00	0.27	1.00	0.27	1.32	0.35	0.67	0.52 *
41.70	1.00	0.27	1.01	0.27	1.32	0.35	0.67	0.52 *
41.75	1.00	0.27	1.01	0.27	1.32	0.35	0.67	0.52 *
41.80	1.00	0.27	1.01	0.27	1.32	0.35	0.67	0.52 *
41.85	1.00	0.27	1.01	0.27	1.32	0.35	0.67	0.52 *
41.90	1.00	0.27	1.01	0.27	1.32	0.35	0.67	0.52 *
41.95	1.01	0.27	1.01	0.27	1.32	0.35	0.67	0.52 *
42.00	1.01	0.27	1.01	0.27	1.32	0.35	0.67	0.52 *
42.05	1.01	0.27	1.01	0.27	1.32	0.35	0.67	0.52 *
42.10	1.01	0.27	1.00	0.27	1.32	0.35	0.67	0.52 *
42.15	1.01	0.27	1.00	0.27	1.32	0.35	0.67	0.52 *
42.20	1.01	0.27	1.00	0.27	1.32	0.35	0.67	0.52 *
42.25	1.01	0.27	1.00	0.27	1.32	0.35	0.67	0.52 *
42.30	1.01	0.26	1.00	0.27	1.32	0.35	0.67	0.52 *
42.35	1.01	0.26	1.00	0.27	1.32	0.35	0.67	0.52 *
42.40	1.01	0.26	1.00	0.27	1.32	0.35	0.67	0.52 *
42.45	1.02	0.26	1.00	0.27	1.32	0.35	0.67	0.52 *
42.50	1.02	0.26	1.00	0.27	1.32	0.35	0.67	0.52 *
42.55	1.02	0.29	1.00	0.29	1.32	0.38	0.67	0.58 *

42.60	1.02	0.32	1.00	0.32	1.32	0.43	0.67	0.64 *
42.65	1.02	0.37	1.00	0.37	1.32	0.49	0.67	0.73 *
42.70	1.02	0.50	1.00	0.50	1.32	0.66	0.67	0.99 *
42.75	1.02	0.50	1.00	0.50	1.32	0.66	0.66	0.99 *
42.80	1.02	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
42.85	1.02	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
42.90	1.02	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
42.95	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
43.00	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
43.05	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
43.10	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
43.15	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
43.20	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
43.25	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
43.30	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00 *
43.35	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.40	1.03	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.45	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.50	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.55	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.60	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.65	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.70	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.75	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.80	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.00
43.85	1.04	0.50	1.00	0.50	1.32	0.66	0.66	1.01
43.90	1.05	0.50	1.00	0.50	1.32	0.66	0.66	1.01
43.95	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.00	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.05	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.10	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.15	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.20	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.25	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.30	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.35	1.05	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.40	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.45	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.50	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.55	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.60	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.65	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.70	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.75	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.01
44.80	1.06	0.50	1.00	0.50	1.32	0.66	0.65	1.02
44.85	1.07	0.50	1.00	0.50	1.32	0.66	0.65	1.02
44.90	1.07	0.50	1.00	0.50	1.32	0.66	0.65	1.02
44.95	1.07	0.50	1.00	0.50	1.32	0.66	0.65	1.02
45.00	1.07	0.50	1.00	0.50	1.32	0.66	0.65	1.02
45.05	1.07	0.50	1.00	0.50	1.32	0.66	0.64	1.02
45.10	1.07	0.50	1.00	0.50	1.32	0.66	0.64	1.02
45.15	1.07	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.20	1.07	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.25	1.07	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.30	1.07	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.35	1.08	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.40	1.08	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.45	1.08	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.50	1.08	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.55	1.08	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.60	1.08	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.65	1.08	0.50	0.99	0.50	1.32	0.66	0.64	1.02
45.70	1.08	0.50	0.99	0.50	1.32	0.65	0.64	1.02
45.75	1.08	0.50	0.99	0.50	1.32	0.65	0.64	1.03
45.80	1.09	0.50	0.99	0.50	1.32	0.65	0.64	1.03
45.85	1.09	0.50	0.99	0.50	1.32	0.65	0.64	1.03
45.90	1.09	0.50	0.99	0.50	1.32	0.65	0.64	1.03
45.95	1.09	0.50	0.99	0.50	1.32	0.65	0.64	1.03
46.00	1.09	0.50	0.99	0.50	1.32	0.65	0.64	1.03
46.05	1.09	0.50	0.99	0.50	1.32	0.65	0.64	1.03
46.10	1.09	0.50	0.99	0.50	1.32	0.65	0.64	1.03
46.15	1.09	0.50	0.99	0.50	1.32	0.65	0.64	1.03
46.20	1.09	0.50	0.99	0.50	1.32	0.65	0.63	1.03

46.25	1.10	0.50	0.99	0.50	1.32	0.65	0.63	1.03
46.30	1.10	0.50	0.99	0.50	1.32	0.65	0.63	1.03
46.35	1.10	0.50	0.99	0.50	1.32	0.65	0.63	1.03
46.40	1.10	0.50	0.99	0.50	1.32	0.65	0.63	1.03
46.45	1.10	0.50	0.99	0.50	1.32	0.65	0.63	1.03
46.50	1.10	0.50	0.99	0.50	1.32	0.65	0.63	1.03
46.55	1.10	0.50	0.99	0.50	1.32	0.65	0.63	1.03
46.60	1.10	0.50	0.99	0.49	1.32	0.65	0.63	1.03
46.65	1.10	0.50	0.99	0.49	1.32	0.65	0.63	1.03
46.70	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
46.75	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
46.80	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
46.85	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
46.90	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
46.95	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
47.00	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
47.05	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
47.10	1.11	0.50	0.99	0.49	1.32	0.65	0.63	1.04
47.15	1.12	0.50	0.99	0.49	1.32	0.65	0.63	1.04
47.20	1.12	0.50	0.99	0.49	1.32	0.65	0.63	1.04
47.25	1.12	0.50	0.99	0.49	1.32	0.65	0.63	1.04
47.30	1.12	0.50	0.99	0.49	1.32	0.65	0.63	1.04
47.35	1.12	0.50	0.99	0.49	1.32	0.65	0.62	1.04
47.40	1.12	0.50	0.99	0.49	1.32	0.65	0.62	1.04
47.45	1.12	0.50	0.99	0.49	1.32	0.65	0.62	1.04
47.50	1.12	0.50	0.99	0.49	1.32	0.65	0.62	1.04
47.55	1.12	0.50	0.99	0.49	1.32	0.65	0.62	1.04
47.60	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
47.65	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
47.70	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
47.75	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
47.80	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
47.85	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
47.90	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
47.95	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
48.00	1.13	0.50	0.99	0.49	1.32	0.65	0.62	1.05
48.05	1.14	0.50	0.99	0.49	1.32	0.65	0.62	1.05
48.10	1.14	0.50	0.98	0.49	1.32	0.65	0.62	1.05
48.15	1.14	0.50	0.98	0.49	1.32	0.65	0.62	1.05
48.20	1.14	0.50	0.98	0.49	1.32	0.65	0.62	1.05
48.25	1.14	0.50	0.98	0.49	1.32	0.65	0.62	1.05
48.30	1.14	0.50	0.98	0.49	1.32	0.65	0.62	1.05
48.35	1.14	0.50	0.98	0.49	1.32	0.65	0.62	1.05
48.40	1.14	0.50	0.98	0.49	1.32	0.65	0.62	1.05
48.45	1.14	0.50	0.98	0.49	1.32	0.65	0.62	1.05
48.50	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.05
48.55	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
48.60	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
48.65	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
48.70	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
48.75	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
48.80	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
48.85	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
48.90	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
48.95	1.15	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.00	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.05	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.10	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.15	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.20	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.25	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.30	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.35	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.40	1.16	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.45	1.17	0.50	0.98	0.49	1.32	0.65	0.61	1.06
49.50	1.17	0.50	0.98	0.49	1.32	0.65	0.61	1.07
49.55	1.17	0.50	0.98	0.49	1.32	0.65	0.61	1.07
49.60	1.17	0.50	0.98	0.49	1.32	0.65	0.61	1.07
49.65	1.17	0.50	0.98	0.49	1.32	0.65	0.61	1.07
49.70	1.17	0.50	0.98	0.49	1.32	0.65	0.61	1.07
49.75	1.17	0.50	0.98	0.49	1.32	0.65	0.60	1.07
49.80	1.17	0.50	0.98	0.49	1.32	0.65	0.60	1.07
49.85	1.17	0.50	0.98	0.49	1.32	0.65	0.60	1.07

49.90	1.17	0.50	0.98	0.49	1.32	0.65	0.60	1.07
49.95	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
50.00	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
50.05	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
50.10	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
50.15	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
50.20	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
50.25	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
50.30	1.18	0.50	0.98	0.49	1.32	0.64	0.60	1.07
50.35	1.18	0.50	0.98	0.49	1.32	0.64	0.60	1.07
50.40	1.18	0.50	0.98	0.49	1.32	0.64	0.60	1.07
50.45	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.50	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.55	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.60	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.65	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.70	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.75	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.80	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.85	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.90	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
50.95	1.20	0.50	0.98	0.49	1.32	0.64	0.60	1.08
51.00	1.20	0.50	0.98	0.49	1.32	0.64	0.60	1.08
51.05	1.20	0.50	0.98	0.49	1.32	0.64	0.60	1.08
51.10	1.20	0.50	0.98	0.49	1.32	0.64	0.59	1.08
51.15	1.20	0.50	0.98	0.49	1.32	0.64	0.59	1.08
51.20	1.20	0.50	0.98	0.49	1.32	0.64	0.59	1.08
51.25	1.20	0.50	0.98	0.49	1.32	0.64	0.59	1.08
51.30	1.20	0.50	0.97	0.49	1.32	0.64	0.59	1.08
51.35	1.20	0.50	0.97	0.49	1.32	0.64	0.59	1.08
51.40	1.20	0.50	0.97	0.49	1.32	0.64	0.59	1.08
51.45	1.20	0.50	0.97	0.49	1.32	0.64	0.59	1.08
51.50	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.55	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.60	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.65	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.70	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.75	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.80	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.85	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.90	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
51.95	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.00	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.05	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.10	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.15	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.20	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.25	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.30	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.35	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.40	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.45	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.50	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
52.55	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.10
52.60	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
52.65	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
52.70	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
52.75	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
52.80	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
52.85	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
52.90	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
52.95	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
53.00	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
53.05	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
53.10	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
53.15	1.24	0.50	0.97	0.49	1.32	0.64	0.58	1.10
53.20	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
53.25	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
53.30	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
53.35	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
53.40	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
53.45	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
53.50	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10

53.55	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
53.60	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.11
53.65	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.11
53.70	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
53.75	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
53.80	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
53.85	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
53.90	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
53.95	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
54.00	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
54.05	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
54.10	1.25	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.15	1.25	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.20	1.25	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.25	1.25	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.30	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.35	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.40	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.45	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.50	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.55	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.60	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
54.65	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.12
54.70	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.12
54.75	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.12
54.80	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.12
54.85	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.12
54.90	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.12
54.95	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.12
55.00	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.12
55.05	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.12
55.10	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.12
55.15	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.20	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.25	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.30	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.35	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.40	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.45	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.50	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.55	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.60	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
55.65	1.28	0.50	0.96	0.48	1.32	0.64	0.56	1.13
55.70	1.28	0.50	0.96	0.48	1.32	0.64	0.56	1.13
55.75	1.28	0.50	0.96	0.48	1.32	0.64	0.56	1.13
55.80	1.28	0.50	0.96	0.48	1.32	0.64	0.56	1.13
55.85	1.28	0.50	0.96	0.48	1.32	0.64	0.56	1.13
55.90	1.28	0.50	0.96	0.48	1.32	0.64	0.56	1.13
55.95	1.28	0.50	0.96	0.48	1.32	0.64	0.56	1.13
56.00	1.28	0.50	0.96	0.48	1.32	0.64	0.56	1.13
56.05	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.10	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.15	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.20	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.25	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.30	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.35	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.40	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.45	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.50	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.55	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.60	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.65	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
56.70	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
56.75	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
56.80	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
56.85	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
56.90	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
56.95	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
57.00	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
57.05	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
57.10	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
57.15	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14

57.20	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.14
57.25	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.30	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.35	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.40	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.45	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.50	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.55	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.60	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.65	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.14
57.70	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.15
57.75	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.15
57.80	1.31	0.50	0.96	0.48	1.32	0.63	0.55	1.15
57.85	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
57.90	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
57.95	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.00	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.05	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.10	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.15	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.20	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.25	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.30	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.35	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.40	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.45	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.50	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.55	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.60	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.65	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.15
58.70	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.16
58.75	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.16
58.80	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.16
58.85	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.16
58.90	1.33	0.50	0.96	0.48	1.32	0.63	0.54	1.16
58.95	1.33	0.50	0.96	0.48	1.32	0.63	0.54	1.16
59.00	1.33	0.50	0.96	0.48	1.32	0.63	0.54	1.16
59.05	1.33	0.50	0.96	0.48	1.32	0.63	0.54	1.16
59.10	1.34	0.50	0.96	0.48	1.32	0.63	0.54	1.16
59.15	1.34	0.50	0.96	0.48	1.32	0.63	0.54	1.16
59.20	1.34	0.50	0.96	0.48	1.32	0.63	0.54	1.16
59.25	1.34	0.50	0.96	0.48	1.32	0.63	0.54	1.16
59.30	1.34	0.50	0.96	0.48	1.32	0.63	0.54	1.16
59.35	1.34	0.50	0.95	0.48	1.32	0.63	0.54	1.16
59.40	1.34	0.50	0.95	0.48	1.32	0.63	0.54	1.16
59.45	1.34	0.50	0.95	0.48	1.32	0.63	0.54	1.16
59.50	1.34	0.50	0.95	0.48	1.32	0.63	0.54	1.16
59.55	1.34	0.50	0.95	0.48	1.32	0.63	0.54	1.16
59.60	1.34	0.50	0.95	0.48	1.32	0.63	0.54	1.16
59.65	1.34	0.50	0.95	0.48	1.32	0.63	0.54	1.16
59.70	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
59.75	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
59.80	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
59.85	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
59.90	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
59.95	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.00	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.05	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.10	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.15	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.20	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.25	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.30	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.35	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.40	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.45	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.50	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.17
60.55	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.17
60.60	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.17
60.65	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.18
60.70	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.18
60.75	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.18
60.80	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.18

60.85	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.18
60.90	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.18
60.95	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.00	1.36	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.05	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.10	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.15	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.20	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.25	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.30	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.35	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.40	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.45	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.50	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.55	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.60	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.18
61.65	1.37	0.50	0.95	0.48	1.32	0.63	0.53	1.19
61.70	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
61.75	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
61.80	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
61.85	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
61.90	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
61.95	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
62.00	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
62.05	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
62.10	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
62.15	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
62.20	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
62.25	1.38	0.50	0.95	0.47	1.32	0.63	0.53	1.19
62.30	1.38	0.50	0.95	0.47	1.32	0.63	0.52	1.19
62.35	1.38	0.50	0.95	0.47	1.32	0.63	0.52	1.19
62.40	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.19
62.45	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.19
62.50	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.19
62.55	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.19
62.60	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.20
62.65	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.20
62.70	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.20
62.75	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.20
62.80	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.20
62.85	1.39	0.50	0.95	0.47	1.32	0.63	0.52	1.20
62.90	1.39	0.50	0.95	0.47	1.32	0.62	0.52	1.20
62.95	1.39	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.00	1.39	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.05	1.39	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.10	1.39	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.15	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.20	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.25	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.30	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.35	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.40	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.45	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.50	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.20
63.55	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.21
63.60	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.21
63.65	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.21
63.70	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.21
63.75	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.21
63.80	1.40	0.50	0.95	0.47	1.32	0.62	0.52	1.21
63.85	1.41	0.50	0.95	0.47	1.32	0.62	0.52	1.21
63.90	1.41	0.50	0.95	0.47	1.32	0.62	0.52	1.21
63.95	1.41	0.50	0.95	0.47	1.32	0.62	0.52	1.21
64.00	1.41	0.50	0.95	0.47	1.32	0.62	0.52	1.21
64.05	1.41	0.50	0.95	0.47	1.32	0.62	0.51	1.21
64.10	1.41	0.50	0.95	0.47	1.32	0.62	0.51	1.21
64.15	1.41	0.50	0.95	0.47	1.32	0.62	0.51	1.21
64.20	1.41	0.50	0.94	0.47	1.32	0.62	0.51	1.21
64.25	1.41	0.50	0.94	0.47	1.32	0.62	0.51	1.21
64.30	1.41	0.50	0.94	0.47	1.32	0.62	0.51	1.21
64.35	1.41	0.50	0.94	0.47	1.32	0.62	0.51	1.21
64.40	1.41	0.50	0.94	0.47	1.32	0.62	0.51	1.21
64.45	1.41	0.50	0.94	0.47	1.32	0.62	0.51	1.22

64.50	1.41	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.55	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.60	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.65	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.70	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.75	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.80	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.85	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.90	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
64.95	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
65.00	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
65.05	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
65.10	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
65.15	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
65.20	1.42	0.50	0.94	0.47	1.32	0.62	0.51	1.22
65.25	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.22
65.30	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.22
65.35	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.40	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.45	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.50	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.55	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.60	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.65	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.70	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.75	1.43	0.50	0.94	0.47	1.32	0.62	0.51	1.23
65.80	1.43	0.50	0.94	0.47	1.32	0.62	0.50	1.23
65.85	1.43	0.50	0.94	0.47	1.32	0.62	0.50	1.23
65.90	1.43	0.50	0.94	0.47	1.32	0.62	0.50	1.23
65.95	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.23
66.00	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.23
66.05	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.23
66.10	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.23
66.15	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.23
66.20	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.25	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.30	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.35	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.40	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.45	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.50	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.55	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.60	1.44	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.65	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.70	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.75	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.80	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.85	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.90	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.24
66.95	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.24
67.00	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.24
67.05	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.10	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.15	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.20	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.25	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.30	1.45	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.35	1.46	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.40	1.46	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.45	1.46	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.50	1.46	0.50	0.94	0.47	1.32	0.62	0.50	1.25
67.55	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.25
67.60	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.25
67.65	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.25
67.70	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.25
67.75	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.25
67.80	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.25
67.85	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.25
67.90	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.26
67.95	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.00	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.05	1.46	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.10	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26

68.15	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.20	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.25	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.30	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.35	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.40	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.45	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.50	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.55	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.60	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.65	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.26
68.70	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.27
68.75	1.47	0.50	0.94	0.47	1.32	0.62	0.49	1.27
68.80	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
68.85	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
68.90	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
68.95	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
69.00	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
69.05	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
69.10	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
69.15	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
69.20	1.48	0.50	0.94	0.47	1.32	0.62	0.49	1.27
69.25	1.48	0.50	0.94	0.47	1.32	0.62	0.48	1.27
69.30	1.48	0.50	0.94	0.47	1.32	0.62	0.48	1.27
69.35	1.48	0.50	0.94	0.47	1.32	0.62	0.48	1.27
69.40	1.48	0.50	0.93	0.47	1.32	0.62	0.48	1.27
69.45	1.48	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.50	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.55	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.60	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.65	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.70	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.75	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.80	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.85	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.90	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
69.95	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28
70.00	1.49	0.50	0.93	0.47	1.32	0.62	0.48	1.28

* F.S.<1: Liquefaction Potential Zone. (If above water table: F.S.=5)
^ No-liquefiable Soils or above Water Table.
(F.S. is limited to 5, CRR is limited to 2,   CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:
Fines Correction for Settlement Analysis:

Depth ft	Ic	qc/N60	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
7.50	-	-	-	52.97	NoLiq	0.00	52.97
7.55	-	-	-	52.97	NoLiq	0.00	52.97
7.60	-	-	-	52.97	NoLiq	0.00	52.97
7.65	-	-	-	52.97	NoLiq	0.00	52.97
7.70	-	-	-	52.97	NoLiq	0.00	52.97
7.75	-	-	-	52.97	NoLiq	0.00	52.97
7.80	-	-	-	52.97	NoLiq	0.00	52.97
7.85	-	-	-	52.97	NoLiq	0.00	52.97
7.90	-	-	-	52.97	NoLiq	0.00	52.97
7.95	-	-	-	52.97	NoLiq	0.00	52.97
8.00	-	-	-	52.97	NoLiq	0.00	52.97
8.05	-	-	-	52.83	NoLiq	0.00	52.83
8.10	-	-	-	52.68	NoLiq	0.00	52.68
8.15	-	-	-	52.52	NoLiq	0.00	52.52
8.20	-	-	-	52.37	NoLiq	0.00	52.37
8.25	-	-	-	58.52	NoLiq	0.00	58.52
8.30	-	-	-	58.35	NoLiq	0.00	58.35
8.35	-	-	-	58.18	NoLiq	0.00	58.18
8.40	-	-	-	58.01	NoLiq	0.00	58.01
8.45	-	-	-	57.85	NoLiq	0.00	57.85
8.50	-	-	-	57.68	NoLiq	0.00	57.68
8.55	-	-	-	57.52	NoLiq	0.00	57.52
8.60	-	-	-	57.35	NoLiq	0.00	57.35
8.65	-	-	-	57.19	NoLiq	0.00	57.19

8.70	-	-	-	57.03	NoLiq	0.00	57.03
8.75	-	-	-	56.87	NoLiq	0.00	56.87
8.80	-	-	-	56.71	NoLiq	0.00	56.71
8.85	-	-	-	56.55	NoLiq	0.00	56.55
8.90	-	-	-	56.40	NoLiq	0.00	56.40
8.95	-	-	-	56.24	NoLiq	0.00	56.24
9.00	-	-	-	56.09	NoLiq	0.00	56.09
9.05	-	-	-	55.93	NoLiq	0.00	55.93
9.10	-	-	-	55.78	NoLiq	0.00	55.78
9.15	-	-	-	55.63	NoLiq	0.00	55.63
9.20	-	-	-	55.47	NoLiq	0.00	55.47
9.25	-	-	-	55.32	NoLiq	0.00	55.32
9.30	-	-	-	55.17	NoLiq	0.00	55.17
9.35	-	-	-	55.02	NoLiq	0.00	55.02
9.40	-	-	-	54.88	NoLiq	0.00	54.88
9.45	-	-	-	54.73	NoLiq	0.00	54.73
9.50	-	-	-	54.58	NoLiq	0.00	54.58
9.55	-	-	-	54.44	NoLiq	0.00	54.44
9.60	-	-	-	54.29	NoLiq	0.00	54.29
9.65	-	-	-	54.15	NoLiq	0.00	54.15
9.70	-	-	-	54.01	NoLiq	0.00	54.01
9.75	-	-	-	53.86	NoLiq	0.00	53.86
9.80	-	-	-	53.72	NoLiq	0.00	53.72
9.85	-	-	-	53.58	NoLiq	0.00	53.58
9.90	-	-	-	53.44	NoLiq	0.00	53.44
9.95	-	-	-	53.30	NoLiq	0.00	53.30
10.00	-	-	-	53.16	NoLiq	0.00	53.16
10.05	-	-	-	53.03	NoLiq	0.00	53.03
10.10	-	-	-	52.89	NoLiq	0.00	52.89
10.15	-	-	-	52.75	NoLiq	0.00	52.75
10.20	-	-	-	52.62	NoLiq	0.00	52.62
10.25	-	-	-	52.49	NoLiq	0.00	52.49
10.30	-	-	-	52.35	NoLiq	0.00	52.35
10.35	-	-	-	52.22	NoLiq	0.00	52.22
10.40	-	-	-	52.09	NoLiq	0.00	52.09
10.45	-	-	-	51.96	NoLiq	0.00	51.96
10.50	-	-	-	51.82	NoLiq	0.00	51.82
10.55	-	-	-	51.70	NoLiq	0.00	51.70
10.60	-	-	-	51.57	NoLiq	0.00	51.57
10.65	-	-	-	51.44	NoLiq	0.00	51.44
10.70	-	-	-	51.31	NoLiq	0.00	51.31
10.75	-	-	-	51.18	NoLiq	0.00	51.18
10.80	-	-	-	51.06	NoLiq	0.00	51.06
10.85	-	-	-	50.93	NoLiq	0.00	50.93
10.90	-	-	-	50.81	NoLiq	0.00	50.81
10.95	-	-	-	50.68	NoLiq	0.00	50.68
11.00	-	-	-	50.56	NoLiq	0.00	50.56
11.05	-	-	-	50.43	NoLiq	0.00	50.43
11.10	-	-	-	50.31	NoLiq	0.00	50.31
11.15	-	-	-	50.19	NoLiq	0.00	50.19
11.20	-	-	-	50.07	NoLiq	0.00	50.07
11.25	-	-	-	49.95	NoLiq	0.00	49.95
11.30	-	-	-	49.83	NoLiq	0.00	49.83
11.35	-	-	-	49.71	NoLiq	0.00	49.71
11.40	-	-	-	49.59	NoLiq	0.00	49.59
11.45	-	-	-	49.47	NoLiq	0.00	49.47
11.50	-	-	-	49.36	NoLiq	0.00	49.36
11.55	-	-	-	49.24	NoLiq	0.00	49.24
11.60	-	-	-	49.12	NoLiq	0.00	49.12
11.65	-	-	-	49.01	NoLiq	0.00	49.01
11.70	-	-	-	48.89	NoLiq	0.00	48.89
11.75	-	-	-	48.78	NoLiq	0.00	48.78
11.80	-	-	-	48.67	NoLiq	0.00	48.67
11.85	-	-	-	48.55	NoLiq	0.00	48.55
11.90	-	-	-	48.44	NoLiq	0.00	48.44
11.95	-	-	-	48.33	NoLiq	0.00	48.33
12.00	-	-	-	48.22	NoLiq	0.00	48.22
12.05	-	-	-	48.11	NoLiq	0.00	48.11
12.10	-	-	-	48.00	NoLiq	0.00	48.00
12.15	-	-	-	47.89	NoLiq	0.00	47.89
12.20	-	-	-	47.78	NoLiq	0.00	47.78
12.25	-	-	-	47.67	NoLiq	0.00	47.67
12.30	-	-	-	47.56	NoLiq	0.00	47.56

12.35	-	-	-	47.45	NoLiq	0.00	47.45
12.40	-	-	-	47.35	NoLiq	0.00	47.35
12.45	-	-	-	47.24	NoLiq	0.00	47.24
12.50	-	-	-	47.13	NoLiq	0.00	47.13
12.55	-	-	-	46.82	NoLiq	0.00	46.82
12.60	-	-	-	46.50	NoLiq	0.00	46.50
12.65	-	-	-	46.19	NoLiq	0.00	46.19
12.70	-	-	-	45.88	NoLiq	0.00	45.88
12.75	-	-	-	45.57	NoLiq	0.00	45.57
12.80	-	-	-	45.27	NoLiq	0.00	45.27
12.85	-	-	-	44.96	NoLiq	0.00	44.96
12.90	-	-	-	44.66	NoLiq	0.00	44.66
12.95	-	-	-	44.36	NoLiq	0.00	44.36
13.00	-	-	-	44.06	NoLiq	0.00	44.06
13.05	-	-	-	43.76	NoLiq	0.00	43.76
13.10	-	-	-	43.46	NoLiq	0.00	43.46
13.15	-	-	-	43.17	NoLiq	0.00	43.17
13.20	-	-	-	42.88	NoLiq	0.00	42.88
13.25	-	-	-	42.59	NoLiq	0.00	42.59
13.30	-	-	-	42.30	NoLiq	0.00	42.30
13.35	-	-	-	42.01	NoLiq	0.00	42.01
13.40	-	-	-	41.72	NoLiq	0.00	41.72
13.45	-	-	-	41.43	NoLiq	0.00	41.43
13.50	-	-	-	41.15	NoLiq	0.00	41.15
13.55	-	-	-	40.87	NoLiq	0.00	40.87
13.60	-	-	-	40.59	NoLiq	0.00	40.59
13.65	-	-	-	40.31	NoLiq	0.00	40.31
13.70	-	-	-	40.03	NoLiq	0.00	40.03
13.75	-	-	-	39.75	NoLiq	0.00	39.75
13.80	-	-	-	39.48	NoLiq	0.00	39.48
13.85	-	-	-	39.20	NoLiq	0.00	39.20
13.90	-	-	-	38.93	NoLiq	0.00	38.93
13.95	-	-	-	38.66	NoLiq	0.00	38.66
14.00	-	-	-	38.39	NoLiq	0.00	38.39
14.05	-	-	-	38.12	NoLiq	0.00	38.12
14.10	-	-	-	37.86	NoLiq	0.00	37.86
14.15	-	-	-	37.59	NoLiq	0.00	37.59
14.20	-	-	-	37.33	NoLiq	0.00	37.33
14.25	-	-	-	37.06	NoLiq	0.00	37.06
14.30	-	-	-	36.80	NoLiq	0.00	36.80
14.35	-	-	-	36.54	NoLiq	0.00	36.54
14.40	-	-	-	36.28	NoLiq	0.00	36.28
14.45	-	-	-	36.02	NoLiq	0.00	36.02
14.50	-	-	-	35.77	NoLiq	0.00	35.77
14.55	-	-	-	35.51	NoLiq	0.00	35.51
14.60	-	-	-	35.26	NoLiq	0.00	35.26
14.65	-	-	-	35.00	NoLiq	0.00	35.00
14.70	-	-	-	34.75	NoLiq	0.00	34.75
14.75	-	-	-	34.50	NoLiq	0.00	34.50
14.80	-	-	-	37.69	NoLiq	0.00	37.69
14.85	-	-	-	37.41	NoLiq	0.00	37.41
14.90	-	-	-	37.14	NoLiq	0.00	37.14
14.95	-	-	-	36.86	NoLiq	0.00	36.86
15.00	-	-	-	36.59	NoLiq	0.00	36.59
15.05	-	-	-	36.31	NoLiq	0.00	36.31
15.10	-	-	-	36.04	NoLiq	0.00	36.04
15.15	-	-	-	35.77	NoLiq	0.00	35.77
15.20	-	-	-	35.50	NoLiq	0.00	35.50
15.25	-	-	-	35.23	NoLiq	0.00	35.23
15.30	-	-	-	34.97	NoLiq	0.00	34.97
15.35	-	-	-	34.70	NoLiq	0.00	34.70
15.40	-	-	-	34.44	NoLiq	0.00	34.44
15.45	-	-	-	34.17	NoLiq	0.00	34.17
15.50	-	-	-	33.91	NoLiq	0.00	33.91
15.55	-	-	-	33.65	NoLiq	0.00	33.65
15.60	-	-	-	33.39	NoLiq	0.00	33.39
15.65	-	-	-	33.13	NoLiq	0.00	33.13
15.70	-	-	-	32.87	NoLiq	0.00	32.87
15.75	-	-	-	32.61	NoLiq	0.00	32.61
15.80	-	-	-	32.36	NoLiq	0.00	32.36
15.85	-	-	-	32.10	NoLiq	0.00	32.10
15.90	-	-	-	31.85	NoLiq	0.00	31.85
15.95	-	-	-	31.60	NoLiq	0.00	31.60

16.00	-	-	-	31.35	NoLiq	0.00	31.35
16.05	-	-	-	31.09	NoLiq	0.00	31.09
16.10	-	-	-	30.85	NoLiq	0.00	30.85
16.15	-	-	-	30.60	NoLiq	0.00	30.60
16.20	-	-	-	30.35	NoLiq	0.00	30.35
16.25	-	-	-	30.10	NoLiq	0.00	30.10
16.30	-	-	-	29.86	NoLiq	0.00	29.86
16.35	-	-	-	29.61	NoLiq	0.00	29.61
16.40	-	-	-	29.37	NoLiq	0.00	29.37
16.45	-	-	-	29.13	NoLiq	0.00	29.13
16.50	-	-	-	28.88	NoLiq	0.00	28.88
16.55	-	-	-	28.64	NoLiq	0.00	28.64
16.60	-	-	-	28.40	NoLiq	0.00	28.40
16.65	-	-	-	28.16	NoLiq	0.00	28.16
16.70	-	-	-	27.92	NoLiq	0.00	27.92
16.75	-	-	-	27.69	NoLiq	0.00	27.69
16.80	-	-	-	27.45	NoLiq	0.00	27.45
16.85	-	-	-	27.22	NoLiq	0.00	27.22
16.90	-	-	-	26.98	NoLiq	0.00	26.98
16.95	-	-	-	26.75	NoLiq	0.00	26.75
17.00	-	-	-	26.51	NoLiq	0.00	26.51
17.05	-	-	-	26.30	NoLiq	0.00	26.30
17.10	-	-	-	26.09	NoLiq	0.00	26.09
17.15	-	-	-	25.88	NoLiq	0.00	25.88
17.20	-	-	-	25.66	NoLiq	0.00	25.66
17.25	-	-	-	25.45	NoLiq	0.00	25.45
17.30	-	-	-	25.24	NoLiq	0.00	25.24
17.35	-	-	-	25.03	NoLiq	0.00	25.03
17.40	-	-	-	24.82	NoLiq	0.00	24.82
17.45	-	-	-	24.61	NoLiq	0.00	24.61
17.50	-	-	-	24.40	NoLiq	0.00	24.40
17.55	-	-	-	24.38	NoLiq	0.00	24.38
17.60	-	-	-	24.37	NoLiq	0.00	24.37
17.65	-	-	-	24.35	NoLiq	0.00	24.35
17.70	-	-	-	24.34	NoLiq	0.00	24.34
17.75	-	-	-	24.32	NoLiq	0.00	24.32
17.80	-	-	-	24.31	NoLiq	0.00	24.31
17.85	-	-	-	24.29	NoLiq	0.00	24.29
17.90	-	-	-	24.27	NoLiq	0.00	24.27
17.95	-	-	-	24.26	NoLiq	0.00	24.26
18.00	-	-	-	24.24	NoLiq	0.00	24.24
18.05	-	-	-	24.23	NoLiq	0.00	24.23
18.10	-	-	-	24.21	NoLiq	0.00	24.21
18.15	-	-	-	24.20	NoLiq	0.00	24.20
18.20	-	-	-	24.18	NoLiq	0.00	24.18
18.25	-	-	-	24.17	NoLiq	0.00	24.17
18.30	-	-	-	24.15	NoLiq	0.00	24.15
18.35	-	-	-	24.14	NoLiq	0.00	24.14
18.40	-	-	-	24.12	NoLiq	0.00	24.12
18.45	-	-	-	24.11	NoLiq	0.00	24.11
18.50	-	-	-	24.09	NoLiq	0.00	24.09
18.55	-	-	-	24.08	NoLiq	0.00	24.08
18.60	-	-	-	24.06	NoLiq	0.00	24.06
18.65	-	-	-	24.04	NoLiq	0.00	24.04
18.70	-	-	-	24.03	NoLiq	0.00	24.03
18.75	-	-	-	24.01	NoLiq	0.00	24.01
18.80	-	-	-	24.00	NoLiq	0.00	24.00
18.85	-	-	-	23.98	NoLiq	0.00	23.98
18.90	-	-	-	23.97	NoLiq	0.00	23.97
18.95	-	-	-	23.96	NoLiq	0.00	23.96
19.00	-	-	-	23.94	NoLiq	0.00	23.94
19.05	-	-	-	23.93	NoLiq	0.00	23.93
19.10	-	-	-	23.91	NoLiq	0.00	23.91
19.15	-	-	-	23.90	NoLiq	0.00	23.90
19.20	-	-	-	23.88	NoLiq	0.00	23.88
19.25	-	-	-	23.87	NoLiq	0.00	23.87
19.30	-	-	-	23.85	NoLiq	0.00	23.85
19.35	-	-	-	23.84	NoLiq	0.00	23.84
19.40	-	-	-	23.82	NoLiq	0.00	23.82
19.45	-	-	-	23.81	NoLiq	0.00	23.81
19.50	-	-	-	23.79	NoLiq	0.00	23.79
19.55	-	-	-	23.78	NoLiq	0.00	23.78
19.60	-	-	-	23.76	NoLiq	0.00	23.76

19.65	-	-	-	23.75	NoLiq	0.00	23.75
19.70	-	-	-	23.74	NoLiq	0.00	23.74
19.75	-	-	-	23.72	NoLiq	0.00	23.72
19.80	-	-	-	23.71	NoLiq	0.00	23.71
19.85	-	-	-	23.69	NoLiq	0.00	23.69
19.90	-	-	-	23.68	NoLiq	0.00	23.68
19.95	-	-	-	23.66	NoLiq	0.00	23.66
20.00	-	-	-	23.65	NoLiq	0.00	23.65
20.05	-	-	-	23.64	NoLiq	0.00	23.64
20.10	-	-	-	23.62	NoLiq	0.00	23.62
20.15	-	-	-	23.61	NoLiq	0.00	23.61
20.20	-	-	-	23.59	NoLiq	0.00	23.59
20.25	-	-	-	23.58	NoLiq	0.00	23.58
20.30	-	-	-	23.56	NoLiq	0.00	23.56
20.35	-	-	-	23.55	NoLiq	0.00	23.55
20.40	-	-	-	23.54	NoLiq	0.00	23.54
20.45	-	-	-	23.52	NoLiq	0.00	23.52
20.50	-	-	-	23.51	NoLiq	0.00	23.51
20.55	-	-	-	23.49	NoLiq	0.00	23.49
20.60	-	-	-	23.48	NoLiq	0.00	23.48
20.65	-	-	-	23.47	NoLiq	0.00	23.47
20.70	-	-	-	23.45	NoLiq	0.00	23.45
20.75	-	-	-	23.44	NoLiq	0.00	23.44
20.80	-	-	-	23.43	NoLiq	0.00	23.43
20.85	-	-	-	23.41	NoLiq	0.00	23.41
20.90	-	-	-	23.40	NoLiq	0.00	23.40
20.95	-	-	-	23.38	NoLiq	0.00	23.38
21.00	-	-	-	23.37	NoLiq	0.00	23.37
21.05	-	-	-	23.36	NoLiq	0.00	23.36
21.10	-	-	-	23.34	NoLiq	0.00	23.34
21.15	-	-	-	23.33	NoLiq	0.00	23.33
21.20	-	-	-	23.32	NoLiq	0.00	23.32
21.25	-	-	-	23.30	NoLiq	0.00	23.30
21.30	-	-	-	23.29	NoLiq	0.00	23.29
21.35	-	-	-	23.27	NoLiq	0.00	23.27
21.40	-	-	-	23.26	NoLiq	0.00	23.26
21.45	-	-	-	23.25	NoLiq	0.00	23.25
21.50	-	-	-	23.23	NoLiq	0.00	23.23
21.55	-	-	-	23.22	NoLiq	0.00	23.22
21.60	-	-	-	23.21	NoLiq	0.00	23.21
21.65	-	-	-	23.19	NoLiq	0.00	23.19
21.70	-	-	-	23.18	NoLiq	0.00	23.18
21.75	-	-	-	23.17	NoLiq	0.00	23.17
21.80	-	-	-	23.15	NoLiq	0.00	23.15
21.85	-	-	-	23.14	NoLiq	0.00	23.14
21.90	-	-	-	23.13	NoLiq	0.00	23.13
21.95	-	-	-	23.11	NoLiq	0.00	23.11
22.00	-	-	-	23.10	NoLiq	0.00	23.10
22.05	-	-	-	23.09	NoLiq	0.00	23.09
22.10	-	-	-	23.07	NoLiq	0.00	23.07
22.15	-	-	-	23.06	NoLiq	0.00	23.06
22.20	-	-	-	23.05	NoLiq	0.00	23.05
22.25	-	-	-	23.04	NoLiq	0.00	23.04
22.30	-	-	-	23.02	NoLiq	0.00	23.02
22.35	-	-	-	23.01	NoLiq	0.00	23.01
22.40	-	-	-	23.00	NoLiq	0.00	23.00
22.45	-	-	-	22.98	NoLiq	0.00	22.98
22.50	-	-	-	22.97	NoLiq	0.00	22.97
22.55	-	-	-	22.98	NoLiq	0.00	22.98
22.60	-	-	-	22.99	NoLiq	0.00	22.99
22.65	-	-	-	23.00	NoLiq	0.00	23.00
22.70	-	-	-	23.01	NoLiq	0.00	23.01
22.75	-	-	-	23.02	NoLiq	0.00	23.02
22.80	-	-	-	23.03	NoLiq	0.00	23.03
22.85	-	-	-	23.04	NoLiq	0.00	23.04
22.90	-	-	-	23.05	NoLiq	0.00	23.05
22.95	-	-	-	23.06	NoLiq	0.00	23.06
23.00	-	-	-	23.07	NoLiq	0.00	23.07
23.05	-	-	-	23.07	NoLiq	0.00	23.07
23.10	-	-	-	23.08	NoLiq	0.00	23.08
23.15	-	-	-	23.09	NoLiq	0.00	23.09
23.20	-	-	-	23.10	NoLiq	0.00	23.10
23.25	-	-	-	23.11	NoLiq	0.00	23.11

23.30	-	-	-	23.12	NoLiq	0.00	23.12
23.35	-	-	-	23.13	NoLiq	0.00	23.13
23.40	-	-	-	23.14	NoLiq	0.00	23.14
23.45	-	-	-	23.15	NoLiq	0.00	23.15
23.50	-	-	-	23.16	NoLiq	0.00	23.16
23.55	-	-	-	23.17	NoLiq	0.00	23.17
23.60	-	-	-	23.18	NoLiq	0.00	23.18
23.65	-	-	-	23.19	NoLiq	0.00	23.19
23.70	-	-	-	23.20	NoLiq	0.00	23.20
23.75	-	-	-	23.21	NoLiq	0.00	23.21
23.80	-	-	-	23.22	NoLiq	0.00	23.22
23.85	-	-	-	23.23	NoLiq	0.00	23.23
23.90	-	-	-	23.23	NoLiq	0.00	23.23
23.95	-	-	-	23.24	NoLiq	0.00	23.24
24.00	-	-	-	23.25	NoLiq	0.00	23.25
24.05	-	-	-	23.26	NoLiq	0.00	23.26
24.10	-	-	-	23.27	NoLiq	0.00	23.27
24.15	-	-	-	23.28	NoLiq	0.00	23.28
24.20	-	-	-	23.29	NoLiq	0.00	23.29
24.25	-	-	-	23.30	NoLiq	0.00	23.30
24.30	-	-	-	23.31	NoLiq	0.00	23.31
24.35	-	-	-	23.32	NoLiq	0.00	23.32
24.40	-	-	-	23.33	NoLiq	0.00	23.33
24.45	-	-	-	23.34	NoLiq	0.00	23.34
24.50	-	-	-	23.35	NoLiq	0.00	23.35
24.55	-	-	-	23.36	NoLiq	0.00	23.36
24.60	-	-	-	23.37	NoLiq	0.00	23.37
24.65	-	-	-	23.38	NoLiq	0.00	23.38
24.70	-	-	-	23.38	NoLiq	0.00	23.38
24.75	-	-	-	23.39	NoLiq	0.00	23.39
24.80	-	-	-	23.40	NoLiq	0.00	23.40
24.85	-	-	-	23.41	NoLiq	0.00	23.41
24.90	-	-	-	23.42	NoLiq	0.00	23.42
24.95	-	-	-	23.43	NoLiq	0.00	23.43
25.00	-	-	-	23.44	NoLiq	0.00	23.44
25.05	-	-	-	23.45	NoLiq	0.00	23.45
25.10	-	-	-	23.46	NoLiq	0.00	23.46
25.15	-	-	-	23.47	NoLiq	0.00	23.47
25.20	-	-	-	23.48	NoLiq	0.00	23.48
25.25	-	-	-	23.49	NoLiq	0.00	23.49
25.30	-	-	-	23.50	NoLiq	0.00	23.50
25.35	-	-	-	23.51	NoLiq	0.00	23.51
25.40	-	-	-	23.52	NoLiq	0.00	23.52
25.45	-	-	-	23.52	NoLiq	0.00	23.52
25.50	-	-	-	23.53	NoLiq	0.00	23.53
25.55	-	-	-	23.54	NoLiq	0.00	23.54
25.60	-	-	-	23.55	NoLiq	0.00	23.55
25.65	-	-	-	23.56	NoLiq	0.00	23.56
25.70	-	-	-	23.57	NoLiq	0.00	23.57
25.75	-	-	-	23.58	NoLiq	0.00	23.58
25.80	-	-	-	23.59	NoLiq	0.00	23.59
25.85	-	-	-	23.60	NoLiq	0.00	23.60
25.90	-	-	-	23.61	NoLiq	0.00	23.61
25.95	-	-	-	23.62	NoLiq	0.00	23.62
26.00	-	-	-	23.63	NoLiq	0.00	23.63
26.05	-	-	-	23.64	NoLiq	0.00	23.64
26.10	-	-	-	23.65	NoLiq	0.00	23.65
26.15	-	-	-	23.65	NoLiq	0.00	23.65
26.20	-	-	-	23.66	NoLiq	0.00	23.66
26.25	-	-	-	23.67	NoLiq	0.00	23.67
26.30	-	-	-	23.68	NoLiq	0.00	23.68
26.35	-	-	-	23.69	NoLiq	0.00	23.69
26.40	-	-	-	23.70	NoLiq	0.00	23.70
26.45	-	-	-	23.71	NoLiq	0.00	23.71
26.50	-	-	-	23.72	NoLiq	0.00	23.72
26.55	-	-	-	23.73	NoLiq	0.00	23.73
26.60	-	-	-	23.74	NoLiq	0.00	23.74
26.65	-	-	-	23.75	NoLiq	0.00	23.75
26.70	-	-	-	23.76	NoLiq	0.00	23.76
26.75	-	-	-	23.77	NoLiq	0.00	23.77
26.80	-	-	-	23.78	NoLiq	0.00	23.78
26.85	-	-	-	23.78	NoLiq	0.00	23.78
26.90	-	-	-	23.79	NoLiq	0.00	23.79

26.95	-	-	-	23.80	NoLiq	0.00	23.80
27.00	-	-	-	23.81	NoLiq	0.00	23.81
27.05	-	-	-	23.82	NoLiq	0.00	23.82
27.10	-	-	-	23.83	NoLiq	0.00	23.83
27.15	-	-	-	23.84	NoLiq	0.00	23.84
27.20	-	-	-	23.85	NoLiq	0.00	23.85
27.25	-	-	-	23.86	NoLiq	0.00	23.86
27.30	-	-	-	23.87	NoLiq	0.00	23.87
27.35	-	-	-	23.88	NoLiq	0.00	23.88
27.40	-	-	-	23.89	NoLiq	0.00	23.89
27.45	-	-	-	23.89	NoLiq	0.00	23.89
27.50	-	-	-	23.90	NoLiq	0.00	23.90
27.55	-	-	-	23.89	NoLiq	0.00	23.89
27.60	-	-	-	23.88	NoLiq	0.00	23.88
27.65	-	-	-	23.87	NoLiq	0.00	23.87
27.70	-	-	-	23.86	NoLiq	0.00	23.86
27.75	-	-	-	23.85	NoLiq	0.00	23.85
27.80	-	-	-	23.83	NoLiq	0.00	23.83
27.85	-	-	-	23.82	NoLiq	0.00	23.82
27.90	-	-	-	24.80	NoLiq	0.00	24.80
27.95	-	-	-	24.79	NoLiq	0.00	24.79
28.00	-	-	-	24.78	NoLiq	0.00	24.78
28.05	-	-	-	24.76	NoLiq	0.00	24.76
28.10	-	-	-	24.75	NoLiq	0.00	24.75
28.15	-	-	-	24.74	NoLiq	0.00	24.74
28.20	-	-	-	24.73	NoLiq	0.00	24.73
28.25	-	-	-	24.71	NoLiq	0.00	24.71
28.30	-	-	-	24.70	NoLiq	0.00	24.70
28.35	-	-	-	24.69	NoLiq	0.00	24.69
28.40	-	-	-	24.68	NoLiq	0.00	24.68
28.45	-	-	-	24.67	NoLiq	0.00	24.67
28.50	-	-	-	24.65	NoLiq	0.00	24.65
28.55	-	-	-	24.64	NoLiq	0.00	24.64
28.60	-	-	-	24.63	NoLiq	0.00	24.63
28.65	-	-	-	24.62	NoLiq	0.00	24.62
28.70	-	-	-	24.61	NoLiq	0.00	24.61
28.75	-	-	-	24.60	NoLiq	0.00	24.60
28.80	-	-	-	24.58	NoLiq	0.00	24.58
28.85	-	-	-	24.57	NoLiq	0.00	24.57
28.90	-	-	-	24.56	NoLiq	0.00	24.56
28.95	-	-	-	24.55	NoLiq	0.00	24.55
29.00	-	-	-	24.54	NoLiq	0.00	24.54
29.05	-	-	-	24.52	NoLiq	0.00	24.52
29.10	-	-	-	24.51	NoLiq	0.00	24.51
29.15	-	-	-	24.50	NoLiq	0.00	24.50
29.20	-	-	-	24.49	NoLiq	0.00	24.49
29.25	-	-	-	24.48	NoLiq	0.00	24.48
29.30	-	-	-	24.47	NoLiq	0.00	24.47
29.35	-	-	-	24.46	NoLiq	0.00	24.46
29.40	-	-	-	24.44	NoLiq	0.00	24.44
29.45	-	-	-	24.43	NoLiq	0.00	24.43
29.50	-	-	-	24.42	NoLiq	0.00	24.42
29.55	-	-	-	24.41	NoLiq	0.00	24.41
29.60	-	-	-	24.40	NoLiq	0.00	24.40
29.65	-	-	-	24.39	NoLiq	0.00	24.39
29.70	-	-	-	24.38	NoLiq	0.00	24.38
29.75	-	-	-	24.36	NoLiq	0.00	24.36
29.80	-	-	-	24.35	NoLiq	0.00	24.35
29.85	-	-	-	24.34	NoLiq	0.00	24.34
29.90	-	-	-	24.33	NoLiq	0.00	24.33
29.95	-	-	-	24.32	NoLiq	0.00	24.32
30.00	-	-	-	24.31	NoLiq	0.00	24.31
30.05	-	-	-	24.30	NoLiq	0.00	24.30
30.10	-	-	-	24.28	NoLiq	0.00	24.28
30.15	-	-	-	24.27	NoLiq	0.00	24.27
30.20	-	-	-	24.26	NoLiq	0.00	24.26
30.25	-	-	-	24.25	NoLiq	0.00	24.25
30.30	-	-	-	24.24	NoLiq	0.00	24.24
30.35	-	-	-	24.23	NoLiq	0.00	24.23
30.40	-	-	-	24.22	NoLiq	0.00	24.22
30.45	-	-	-	24.21	NoLiq	0.00	24.21
30.50	-	-	-	24.20	NoLiq	0.00	24.20
30.55	-	-	-	24.18	NoLiq	0.00	24.18

30.60	-	-	-	24.17	NoLiq	0.00	24.17
30.65	-	-	-	24.16	NoLiq	0.00	24.16
30.70	-	-	-	24.15	NoLiq	0.00	24.15
30.75	-	-	-	24.14	NoLiq	0.00	24.14
30.80	-	-	-	24.13	NoLiq	0.00	24.13
30.85	-	-	-	24.12	NoLiq	0.00	24.12
30.90	-	-	-	24.11	NoLiq	0.00	24.11
30.95	-	-	-	24.10	NoLiq	0.00	24.10
31.00	-	-	-	24.09	NoLiq	0.00	24.09
31.05	-	-	-	24.08	NoLiq	0.00	24.08
31.10	-	-	-	24.06	NoLiq	0.00	24.06
31.15	-	-	-	24.05	NoLiq	0.00	24.05
31.20	-	-	-	24.04	NoLiq	0.00	24.04
31.25	-	-	-	24.03	NoLiq	0.00	24.03
31.30	-	-	-	24.02	NoLiq	0.00	24.02
31.35	-	-	-	24.01	NoLiq	0.00	24.01
31.40	-	-	-	24.00	NoLiq	0.00	24.00
31.45	-	-	-	23.99	NoLiq	0.00	23.99
31.50	-	-	-	23.98	NoLiq	0.00	23.98
31.55	-	-	-	23.97	NoLiq	0.00	23.97
31.60	-	-	-	23.96	NoLiq	0.00	23.96
31.65	-	-	-	23.95	NoLiq	0.00	23.95
31.70	-	-	-	23.94	NoLiq	0.00	23.94
31.75	-	-	-	23.93	NoLiq	0.00	23.93
31.80	-	-	-	23.92	NoLiq	0.00	23.92
31.85	-	-	-	23.91	NoLiq	0.00	23.91
31.90	-	-	-	23.90	NoLiq	0.00	23.90
31.95	-	-	-	23.88	NoLiq	0.00	23.88
32.00	-	-	-	23.87	NoLiq	0.00	23.87
32.05	-	-	-	23.86	NoLiq	0.00	23.86
32.10	-	-	-	23.85	NoLiq	0.00	23.85
32.15	-	-	-	23.84	NoLiq	0.00	23.84
32.20	-	-	-	23.83	NoLiq	0.00	23.83
32.25	-	-	-	23.82	NoLiq	0.00	23.82
32.30	-	-	-	23.81	NoLiq	0.00	23.81
32.35	-	-	-	23.80	NoLiq	0.00	23.80
32.40	-	-	-	23.79	NoLiq	0.00	23.79
32.45	-	-	-	23.78	NoLiq	0.00	23.78
32.50	-	-	-	23.77	NoLiq	0.00	23.77
32.55	-	-	-	23.78	NoLiq	0.00	23.78
32.60	-	-	-	23.79	NoLiq	0.00	23.79
32.65	-	-	-	23.80	NoLiq	0.00	23.80
32.70	-	-	-	23.81	NoLiq	0.00	23.81
32.75	-	-	-	23.82	NoLiq	0.00	23.82
32.80	-	-	-	23.83	NoLiq	0.00	23.83
32.85	-	-	-	23.85	NoLiq	0.00	23.85
32.90	-	-	-	23.86	NoLiq	0.00	23.86
32.95	-	-	-	23.87	99.94	0.00	23.87
33.00	-	-	-	23.88	99.82	0.00	23.88
33.05	-	-	-	23.89	99.70	0.00	23.89
33.10	-	-	-	23.90	99.58	0.00	23.90
33.15	-	-	-	23.91	99.47	0.00	23.91
33.20	-	-	-	23.92	99.35	0.00	23.92
33.25	-	-	-	23.93	99.23	0.00	23.93
33.30	-	-	-	23.94	99.11	0.00	23.94
33.35	-	-	-	23.95	98.99	0.00	23.95
33.40	-	-	-	23.96	98.88	0.00	23.96
33.45	-	-	-	23.97	98.76	0.00	23.97
33.50	-	-	-	23.98	98.64	0.00	23.98
33.55	-	-	-	23.99	98.52	0.00	23.99
33.60	-	-	-	24.00	98.40	0.00	24.00
33.65	-	-	-	24.01	98.29	0.00	24.01
33.70	-	-	-	24.02	98.17	0.00	24.02
33.75	-	-	-	24.03	98.05	0.00	24.03
33.80	-	-	-	24.04	97.93	0.00	24.04
33.85	-	-	-	24.05	97.81	0.00	24.05
33.90	-	-	-	24.06	97.70	0.00	24.06
33.95	-	-	-	24.07	97.58	0.00	24.07
34.00	-	-	-	24.08	97.46	0.00	24.08
34.05	-	-	-	24.10	97.34	0.00	24.10
34.10	-	-	-	24.11	97.22	0.00	24.11
34.15	-	-	-	24.12	97.11	0.00	24.12
34.20	-	-	-	24.13	96.99	0.00	24.13

34.25	-	-	-	24.14	96.87	0.00	24.14
34.30	-	-	-	24.15	96.75	0.00	24.15
34.35	-	-	-	24.16	96.63	0.00	24.16
34.40	-	-	-	24.17	96.52	0.00	24.17
34.45	-	-	-	24.18	96.40	0.00	24.18
34.50	-	-	-	24.19	96.28	0.00	24.19
34.55	-	-	-	24.20	96.16	0.00	24.20
34.60	-	-	-	24.21	96.04	0.00	24.21
34.65	-	-	-	24.22	95.93	0.00	24.22
34.70	-	-	-	24.23	95.81	0.00	24.23
34.75	-	-	-	24.24	95.69	0.00	24.24
34.80	-	-	-	24.25	95.57	0.00	24.25
34.85	-	-	-	24.26	95.45	0.00	24.26
34.90	-	-	-	24.27	95.34	0.00	24.27
34.95	-	-	-	24.28	95.22	0.00	24.28
35.00	-	-	-	24.29	95.10	0.00	24.29
35.05	-	-	-	24.30	94.98	0.00	24.30
35.10	-	-	-	24.31	94.86	0.00	24.31
35.15	-	-	-	24.32	94.75	0.00	24.32
35.20	-	-	-	24.33	94.63	0.00	24.33
35.25	-	-	-	24.34	94.51	0.00	24.34
35.30	-	-	-	24.35	94.39	0.00	24.35
35.35	-	-	-	24.36	94.27	0.00	24.36
35.40	-	-	-	24.37	94.16	0.00	24.37
35.45	-	-	-	24.38	94.04	0.00	24.38
35.50	-	-	-	24.39	93.92	0.00	24.39
35.55	-	-	-	24.40	93.80	0.00	24.40
35.60	-	-	-	24.41	93.68	0.00	24.41
35.65	-	-	-	24.42	93.57	0.00	24.42
35.70	-	-	-	24.43	93.45	0.00	24.43
35.75	-	-	-	24.44	93.33	0.00	24.44
35.80	-	-	-	24.45	93.21	0.00	24.45
35.85	-	-	-	24.46	93.09	0.00	24.46
35.90	-	-	-	24.47	92.98	0.00	24.47
35.95	-	-	-	24.48	92.86	0.00	24.48
36.00	-	-	-	24.49	92.74	0.00	24.49
36.05	-	-	-	24.50	92.62	0.00	24.50
36.10	-	-	-	24.51	92.50	0.00	24.51
36.15	-	-	-	24.52	92.39	0.00	24.52
36.20	-	-	-	24.53	92.27	0.00	24.53
36.25	-	-	-	24.54	92.15	0.00	24.54
36.30	-	-	-	24.55	92.03	0.00	24.55
36.35	-	-	-	24.56	91.91	0.00	24.56
36.40	-	-	-	24.57	91.80	0.00	24.57
36.45	-	-	-	24.58	91.68	0.00	24.58
36.50	-	-	-	24.59	91.56	0.00	24.59
36.55	-	-	-	24.60	91.44	0.00	24.60
36.60	-	-	-	24.61	91.32	0.00	24.61
36.65	-	-	-	24.61	91.21	0.00	24.61
36.70	-	-	-	24.62	91.09	0.00	24.62
36.75	-	-	-	24.63	90.97	0.00	24.63
36.80	-	-	-	24.64	90.85	0.00	24.64
36.85	-	-	-	24.65	90.73	0.00	24.65
36.90	-	-	-	24.66	90.62	0.00	24.66
36.95	-	-	-	24.67	90.50	0.00	24.67
37.00	-	-	-	24.68	90.38	0.00	24.68
37.05	-	-	-	24.69	90.26	0.00	24.69
37.10	-	-	-	24.70	90.14	0.00	24.70
37.15	-	-	-	24.71	90.03	0.00	24.71
37.20	-	-	-	24.72	89.91	0.00	24.72
37.25	-	-	-	24.73	89.79	0.00	24.73
37.30	-	-	-	24.74	89.67	0.00	24.74
37.35	-	-	-	24.75	89.55	0.00	24.75
37.40	-	-	-	24.76	89.44	0.00	24.76
37.45	-	-	-	24.77	89.32	0.00	24.77
37.50	-	-	-	24.78	89.20	0.00	24.78
37.55	-	-	-	24.77	89.20	0.00	24.77
37.60	-	-	-	24.76	89.20	0.00	24.76
37.65	-	-	-	24.75	89.20	0.00	24.75
37.70	-	-	-	24.74	89.20	0.00	24.74
37.75	-	-	-	24.73	89.20	0.00	24.73
37.80	-	-	-	24.72	89.20	0.00	24.72
37.85	-	-	-	24.71	89.20	0.00	24.71

37.90	-	-	-	24.70	89.20	0.00	24.70
37.95	-	-	-	24.69	89.20	0.00	24.69
38.00	-	-	-	24.68	89.20	0.00	24.68
38.05	-	-	-	24.67	89.20	0.00	24.67
38.10	-	-	-	24.66	89.20	0.00	24.66
38.15	-	-	-	24.65	89.20	0.00	24.65
38.20	-	-	-	24.64	89.20	0.00	24.64
38.25	-	-	-	24.63	89.20	0.00	24.63
38.30	-	-	-	24.62	89.20	0.00	24.62
38.35	-	-	-	24.61	89.20	0.00	24.61
38.40	-	-	-	24.60	89.20	0.00	24.60
38.45	-	-	-	24.59	89.20	0.00	24.59
38.50	-	-	-	24.58	89.20	0.00	24.58
38.55	-	-	-	24.57	89.20	0.00	24.57
38.60	-	-	-	24.56	89.20	0.00	24.56
38.65	-	-	-	24.55	89.20	0.00	24.55
38.70	-	-	-	24.54	89.20	0.00	24.54
38.75	-	-	-	24.53	89.20	0.00	24.53
38.80	-	-	-	24.52	89.20	0.00	24.52
38.85	-	-	-	24.51	89.20	0.00	24.51
38.90	-	-	-	24.50	89.20	0.00	24.50
38.95	-	-	-	24.49	89.20	0.00	24.49
39.00	-	-	-	24.48	89.20	0.00	24.48
39.05	-	-	-	24.47	89.20	0.00	24.47
39.10	-	-	-	24.46	89.20	0.00	24.46
39.15	-	-	-	24.45	89.20	0.00	24.45
39.20	-	-	-	24.44	89.20	0.00	24.44
39.25	-	-	-	24.43	89.20	0.00	24.43
39.30	-	-	-	24.42	89.20	0.00	24.42
39.35	-	-	-	24.41	89.20	0.00	24.41
39.40	-	-	-	24.40	89.20	0.00	24.40
39.45	-	-	-	24.39	89.20	0.00	24.39
39.50	-	-	-	24.38	89.20	0.00	24.38
39.55	-	-	-	24.37	89.20	0.00	24.37
39.60	-	-	-	24.36	89.20	0.00	24.36
39.65	-	-	-	24.35	89.20	0.00	24.35
39.70	-	-	-	24.34	89.20	0.00	24.34
39.75	-	-	-	24.33	89.20	0.00	24.33
39.80	-	-	-	24.32	89.20	0.00	24.32
39.85	-	-	-	24.31	89.20	0.00	24.31
39.90	-	-	-	24.30	89.20	0.00	24.30
39.95	-	-	-	24.29	89.20	0.00	24.29
40.00	-	-	-	24.28	89.20	0.00	24.28
40.05	-	-	-	24.27	89.20	0.00	24.27
40.10	-	-	-	24.26	89.20	0.00	24.26
40.15	-	-	-	24.25	89.20	0.00	24.25
40.20	-	-	-	24.24	89.20	0.00	24.24
40.25	-	-	-	24.23	89.20	0.00	24.23
40.30	-	-	-	24.22	89.20	0.00	24.22
40.35	-	-	-	24.21	89.20	0.00	24.21
40.40	-	-	-	24.20	89.20	0.00	24.20
40.45	-	-	-	24.19	89.20	0.00	24.19
40.50	-	-	-	24.18	89.20	0.00	24.18
40.55	-	-	-	24.17	89.20	0.00	24.17
40.60	-	-	-	24.16	89.20	0.00	24.16
40.65	-	-	-	24.15	89.20	0.00	24.15
40.70	-	-	-	24.14	89.20	0.00	24.14
40.75	-	-	-	24.13	89.20	0.00	24.13
40.80	-	-	-	24.12	89.20	0.00	24.12
40.85	-	-	-	24.11	89.20	0.00	24.11
40.90	-	-	-	24.11	89.20	0.00	24.11
40.95	-	-	-	24.10	89.20	0.00	24.10
41.00	-	-	-	24.09	89.20	0.00	24.09
41.05	-	-	-	24.08	89.20	0.00	24.08
41.10	-	-	-	24.07	89.20	0.00	24.07
41.15	-	-	-	24.06	89.20	0.00	24.06
41.20	-	-	-	24.05	89.20	0.00	24.05
41.25	-	-	-	24.04	89.20	0.00	24.04
41.30	-	-	-	24.03	89.20	0.00	24.03
41.35	-	-	-	24.02	89.20	0.00	24.02
41.40	-	-	-	24.01	89.20	0.00	24.01
41.45	-	-	-	24.00	89.20	0.00	24.00
41.50	-	-	-	23.99	89.20	0.00	23.99

41.55	-	-	-	23.98	89.20	0.00	23.98
41.60	-	-	-	23.97	89.20	0.00	23.97
41.65	-	-	-	23.96	89.20	0.00	23.96
41.70	-	-	-	23.95	89.20	0.00	23.95
41.75	-	-	-	23.94	89.20	0.00	23.94
41.80	-	-	-	23.93	89.20	0.00	23.93
41.85	-	-	-	23.92	89.20	0.00	23.92
41.90	-	-	-	23.92	89.20	0.00	23.92
41.95	-	-	-	23.91	89.20	0.00	23.91
42.00	-	-	-	23.90	89.20	0.00	23.90
42.05	-	-	-	23.89	89.20	0.00	23.89
42.10	-	-	-	23.88	89.20	0.00	23.88
42.15	-	-	-	23.87	89.20	0.00	23.87
42.20	-	-	-	23.86	89.20	0.00	23.86
42.25	-	-	-	23.85	89.20	0.00	23.85
42.30	-	-	-	23.84	89.20	0.00	23.84
42.35	-	-	-	23.83	89.20	0.00	23.83
42.40	-	-	-	23.82	89.20	0.00	23.82
42.45	-	-	-	23.81	89.20	0.00	23.81
42.50	-	-	-	23.80	89.20	0.00	23.80
42.55	-	-	-	25.47	89.20	0.00	25.47
42.60	-	-	-	27.15	89.20	0.00	27.15
42.65	-	-	-	28.83	89.20	0.00	28.83
42.70	-	-	-	30.51	89.20	0.00	30.51
42.75	-	-	-	32.18	89.20	0.00	32.18
42.80	-	-	-	33.86	89.20	0.00	33.86
42.85	-	-	-	35.53	89.20	0.00	35.53
42.90	-	-	-	37.20	89.20	0.00	37.20
42.95	-	-	-	38.87	89.20	0.00	38.87
43.00	-	-	-	40.54	89.20	0.00	40.54
43.05	-	-	-	42.20	89.20	0.00	42.20
43.10	-	-	-	43.86	89.20	0.00	43.86
43.15	-	-	-	45.53	89.20	0.00	45.53
43.20	-	-	-	47.19	89.20	0.00	47.19
43.25	-	-	-	48.85	89.20	0.00	48.85
43.30	-	-	-	50.50	89.20	0.00	50.50
43.35	-	-	-	52.16	89.20	0.00	52.16
43.40	-	-	-	53.81	89.20	0.00	53.81
43.45	-	-	-	55.46	89.20	0.00	55.46
43.50	-	-	-	57.12	89.20	0.00	57.12
43.55	-	-	-	58.76	89.20	0.00	58.76
43.60	-	-	-	60.41	89.20	0.00	60.41
43.65	-	-	-	62.06	89.20	0.00	62.06
43.70	-	-	-	63.70	89.20	0.00	63.70
43.75	-	-	-	65.34	89.20	0.00	65.34
43.80	-	-	-	66.98	89.20	0.00	66.98
43.85	-	-	-	68.62	89.20	0.00	68.62
43.90	-	-	-	70.26	89.20	0.00	70.26
43.95	-	-	-	71.89	89.20	0.00	71.89
44.00	-	-	-	73.53	89.20	0.00	73.53
44.05	-	-	-	75.16	89.20	0.00	75.16
44.10	-	-	-	76.79	89.20	0.00	76.79
44.15	-	-	-	78.42	89.20	0.00	78.42
44.20	-	-	-	80.05	89.20	0.00	80.05
44.25	-	-	-	81.67	89.20	0.00	81.67
44.30	-	-	-	83.30	89.20	0.00	83.30
44.35	-	-	-	84.92	89.20	0.00	84.92
44.40	-	-	-	86.54	89.20	0.00	86.54
44.45	-	-	-	88.16	89.20	0.00	88.16
44.50	-	-	-	89.78	89.20	0.00	89.78
44.55	-	-	-	91.39	89.20	0.00	91.39
44.60	-	-	-	93.01	89.20	0.00	93.01
44.65	-	-	-	94.62	89.20	0.00	94.62
44.70	-	-	-	96.23	89.20	0.00	96.23
44.75	-	-	-	97.84	89.20	0.00	97.84
44.80	-	-	-	99.45	89.20	0.00	99.45
44.85	-	-	-	100.00	89.20	0.00	100.00
44.90	-	-	-	100.00	89.20	0.00	100.00
44.95	-	-	-	100.00	89.20	0.00	100.00
45.00	-	-	-	100.00	89.20	0.00	100.00
45.05	-	-	-	100.00	89.20	0.00	100.00
45.10	-	-	-	100.00	89.20	0.00	100.00
45.15	-	-	-	100.00	89.20	0.00	100.00

45.20	-	-	-	100.00	89.20	0.00	100.00
45.25	-	-	-	100.00	89.20	0.00	100.00
45.30	-	-	-	100.00	89.20	0.00	100.00
45.35	-	-	-	100.00	89.20	0.00	100.00
45.40	-	-	-	100.00	89.20	0.00	100.00
45.45	-	-	-	100.00	89.20	0.00	100.00
45.50	-	-	-	100.00	89.20	0.00	100.00
45.55	-	-	-	100.00	89.20	0.00	100.00
45.60	-	-	-	100.00	89.20	0.00	100.00
45.65	-	-	-	100.00	89.20	0.00	100.00
45.70	-	-	-	100.00	89.20	0.00	100.00
45.75	-	-	-	100.00	89.20	0.00	100.00
45.80	-	-	-	100.00	89.20	0.00	100.00
45.85	-	-	-	100.00	89.20	0.00	100.00
45.90	-	-	-	100.00	89.20	0.00	100.00
45.95	-	-	-	100.00	89.20	0.00	100.00
46.00	-	-	-	100.00	89.20	0.00	100.00
46.05	-	-	-	100.00	89.20	0.00	100.00
46.10	-	-	-	100.00	89.20	0.00	100.00
46.15	-	-	-	100.00	89.20	0.00	100.00
46.20	-	-	-	100.00	89.20	0.00	100.00
46.25	-	-	-	100.00	89.20	0.00	100.00
46.30	-	-	-	100.00	89.20	0.00	100.00
46.35	-	-	-	100.00	89.20	0.00	100.00
46.40	-	-	-	100.00	89.20	0.00	100.00
46.45	-	-	-	100.00	89.20	0.00	100.00
46.50	-	-	-	100.00	89.20	0.00	100.00
46.55	-	-	-	100.00	89.20	0.00	100.00
46.60	-	-	-	100.00	89.20	0.00	100.00
46.65	-	-	-	100.00	89.20	0.00	100.00
46.70	-	-	-	100.00	89.20	0.00	100.00
46.75	-	-	-	100.00	89.20	0.00	100.00
46.80	-	-	-	100.00	89.20	0.00	100.00
46.85	-	-	-	100.00	89.20	0.00	100.00
46.90	-	-	-	100.00	89.20	0.00	100.00
46.95	-	-	-	100.00	89.20	0.00	100.00
47.00	-	-	-	100.00	89.20	0.00	100.00
47.05	-	-	-	100.00	89.20	0.00	100.00
47.10	-	-	-	100.00	89.20	0.00	100.00
47.15	-	-	-	100.00	89.20	0.00	100.00
47.20	-	-	-	100.00	89.20	0.00	100.00
47.25	-	-	-	100.00	89.20	0.00	100.00
47.30	-	-	-	100.00	89.20	0.00	100.00
47.35	-	-	-	100.00	89.20	0.00	100.00
47.40	-	-	-	100.00	89.20	0.00	100.00
47.45	-	-	-	100.00	89.20	0.00	100.00
47.50	-	-	-	100.00	89.20	0.00	100.00
47.55	-	-	-	100.00	89.20	0.00	100.00
47.60	-	-	-	100.00	89.20	0.00	100.00
47.65	-	-	-	100.00	89.20	0.00	100.00
47.70	-	-	-	100.00	89.20	0.00	100.00
47.75	-	-	-	100.00	89.20	0.00	100.00
47.80	-	-	-	100.00	89.20	0.00	100.00
47.85	-	-	-	100.00	89.20	0.00	100.00
47.90	-	-	-	100.00	89.20	0.00	100.00
47.95	-	-	-	100.00	89.20	0.00	100.00
48.00	-	-	-	100.00	89.20	0.00	100.00
48.05	-	-	-	100.00	89.20	0.00	100.00
48.10	-	-	-	100.00	89.20	0.00	100.00
48.15	-	-	-	100.00	89.20	0.00	100.00
48.20	-	-	-	100.00	89.20	0.00	100.00
48.25	-	-	-	100.00	89.20	0.00	100.00
48.30	-	-	-	100.00	89.20	0.00	100.00
48.35	-	-	-	100.00	89.20	0.00	100.00
48.40	-	-	-	100.00	89.20	0.00	100.00
48.45	-	-	-	100.00	89.20	0.00	100.00
48.50	-	-	-	100.00	89.20	0.00	100.00
48.55	-	-	-	100.00	89.20	0.00	100.00
48.60	-	-	-	100.00	89.20	0.00	100.00
48.65	-	-	-	100.00	89.20	0.00	100.00
48.70	-	-	-	100.00	89.20	0.00	100.00
48.75	-	-	-	100.00	89.20	0.00	100.00
48.80	-	-	-	100.00	89.20	0.00	100.00

48.85	-	-	-	100.00	89.20	0.00	100.00
48.90	-	-	-	100.00	89.20	0.00	100.00
48.95	-	-	-	100.00	89.20	0.00	100.00
49.00	-	-	-	100.00	89.20	0.00	100.00
49.05	-	-	-	100.00	89.20	0.00	100.00
49.10	-	-	-	100.00	89.20	0.00	100.00
49.15	-	-	-	100.00	89.20	0.00	100.00
49.20	-	-	-	100.00	89.20	0.00	100.00
49.25	-	-	-	100.00	89.20	0.00	100.00
49.30	-	-	-	100.00	89.20	0.00	100.00
49.35	-	-	-	100.00	89.20	0.00	100.00
49.40	-	-	-	100.00	89.20	0.00	100.00
49.45	-	-	-	100.00	89.20	0.00	100.00
49.50	-	-	-	100.00	89.20	0.00	100.00
49.55	-	-	-	100.00	89.20	0.00	100.00
49.60	-	-	-	100.00	89.20	0.00	100.00
49.65	-	-	-	100.00	89.20	0.00	100.00
49.70	-	-	-	100.00	89.20	0.00	100.00
49.75	-	-	-	100.00	89.20	0.00	100.00
49.80	-	-	-	100.00	89.20	0.00	100.00
49.85	-	-	-	100.00	89.20	0.00	100.00
49.90	-	-	-	100.00	89.20	0.00	100.00
49.95	-	-	-	100.00	89.20	0.00	100.00
50.00	-	-	-	100.00	89.20	0.00	100.00
50.05	-	-	-	100.00	89.20	0.00	100.00
50.10	-	-	-	100.00	89.20	0.00	100.00
50.15	-	-	-	100.00	89.20	0.00	100.00
50.20	-	-	-	100.00	89.20	0.00	100.00
50.25	-	-	-	100.00	89.20	0.00	100.00
50.30	-	-	-	100.00	89.20	0.00	100.00
50.35	-	-	-	100.00	89.20	0.00	100.00
50.40	-	-	-	100.00	89.20	0.00	100.00
50.45	-	-	-	100.00	89.20	0.00	100.00
50.50	-	-	-	100.00	89.20	0.00	100.00
50.55	-	-	-	100.00	89.20	0.00	100.00
50.60	-	-	-	100.00	89.20	0.00	100.00
50.65	-	-	-	100.00	89.20	0.00	100.00
50.70	-	-	-	100.00	89.20	0.00	100.00
50.75	-	-	-	100.00	89.20	0.00	100.00
50.80	-	-	-	100.00	89.20	0.00	100.00
50.85	-	-	-	100.00	89.20	0.00	100.00
50.90	-	-	-	100.00	89.20	0.00	100.00
50.95	-	-	-	100.00	89.20	0.00	100.00
51.00	-	-	-	100.00	89.20	0.00	100.00
51.05	-	-	-	100.00	89.20	0.00	100.00
51.10	-	-	-	100.00	89.20	0.00	100.00
51.15	-	-	-	100.00	89.20	0.00	100.00
51.20	-	-	-	100.00	89.20	0.00	100.00
51.25	-	-	-	100.00	89.20	0.00	100.00
51.30	-	-	-	100.00	89.20	0.00	100.00
51.35	-	-	-	100.00	89.20	0.00	100.00
51.40	-	-	-	100.00	89.20	0.00	100.00
51.45	-	-	-	100.00	89.20	0.00	100.00
51.50	-	-	-	100.00	89.20	0.00	100.00
51.55	-	-	-	100.00	89.20	0.00	100.00
51.60	-	-	-	100.00	89.20	0.00	100.00
51.65	-	-	-	100.00	89.20	0.00	100.00
51.70	-	-	-	100.00	89.20	0.00	100.00
51.75	-	-	-	100.00	89.20	0.00	100.00
51.80	-	-	-	100.00	89.20	0.00	100.00
51.85	-	-	-	100.00	89.20	0.00	100.00
51.90	-	-	-	100.00	89.20	0.00	100.00
51.95	-	-	-	100.00	89.20	0.00	100.00
52.00	-	-	-	100.00	89.20	0.00	100.00
52.05	-	-	-	100.00	89.20	0.00	100.00
52.10	-	-	-	100.00	89.20	0.00	100.00
52.15	-	-	-	100.00	89.20	0.00	100.00
52.20	-	-	-	100.00	89.20	0.00	100.00
52.25	-	-	-	100.00	89.20	0.00	100.00
52.30	-	-	-	100.00	89.20	0.00	100.00
52.35	-	-	-	100.00	89.20	0.00	100.00
52.40	-	-	-	100.00	89.20	0.00	100.00
52.45	-	-	-	100.00	89.20	0.00	100.00

52.50	-	-	-	100.00	89.20	0.00	100.00
52.55	-	-	-	100.00	89.20	0.00	100.00
52.60	-	-	-	100.00	89.20	0.00	100.00
52.65	-	-	-	100.00	89.20	0.00	100.00
52.70	-	-	-	100.00	89.20	0.00	100.00
52.75	-	-	-	100.00	89.20	0.00	100.00
52.80	-	-	-	100.00	89.20	0.00	100.00
52.85	-	-	-	100.00	89.20	0.00	100.00
52.90	-	-	-	100.00	89.20	0.00	100.00
52.95	-	-	-	100.00	89.20	0.00	100.00
53.00	-	-	-	100.00	89.20	0.00	100.00
53.05	-	-	-	100.00	89.20	0.00	100.00
53.10	-	-	-	100.00	89.20	0.00	100.00
53.15	-	-	-	100.00	89.20	0.00	100.00
53.20	-	-	-	100.00	89.20	0.00	100.00
53.25	-	-	-	100.00	89.20	0.00	100.00
53.30	-	-	-	100.00	89.20	0.00	100.00
53.35	-	-	-	100.00	89.20	0.00	100.00
53.40	-	-	-	100.00	89.20	0.00	100.00
53.45	-	-	-	100.00	89.20	0.00	100.00
53.50	-	-	-	100.00	89.20	0.00	100.00
53.55	-	-	-	100.00	89.20	0.00	100.00
53.60	-	-	-	100.00	89.20	0.00	100.00
53.65	-	-	-	100.00	89.20	0.00	100.00
53.70	-	-	-	100.00	89.20	0.00	100.00
53.75	-	-	-	100.00	89.20	0.00	100.00
53.80	-	-	-	100.00	89.20	0.00	100.00
53.85	-	-	-	100.00	89.20	0.00	100.00
53.90	-	-	-	100.00	89.20	0.00	100.00
53.95	-	-	-	100.00	89.20	0.00	100.00
54.00	-	-	-	100.00	89.20	0.00	100.00
54.05	-	-	-	100.00	89.20	0.00	100.00
54.10	-	-	-	100.00	89.20	0.00	100.00
54.15	-	-	-	100.00	89.20	0.00	100.00
54.20	-	-	-	100.00	89.20	0.00	100.00
54.25	-	-	-	100.00	89.20	0.00	100.00
54.30	-	-	-	100.00	89.20	0.00	100.00
54.35	-	-	-	100.00	89.20	0.00	100.00
54.40	-	-	-	100.00	89.20	0.00	100.00
54.45	-	-	-	100.00	89.20	0.00	100.00
54.50	-	-	-	100.00	89.20	0.00	100.00
54.55	-	-	-	100.00	89.20	0.00	100.00
54.60	-	-	-	100.00	89.20	0.00	100.00
54.65	-	-	-	100.00	89.20	0.00	100.00
54.70	-	-	-	100.00	89.20	0.00	100.00
54.75	-	-	-	100.00	89.20	0.00	100.00
54.80	-	-	-	100.00	89.20	0.00	100.00
54.85	-	-	-	100.00	89.20	0.00	100.00
54.90	-	-	-	100.00	89.20	0.00	100.00
54.95	-	-	-	100.00	89.20	0.00	100.00
55.00	-	-	-	100.00	89.20	0.00	100.00
55.05	-	-	-	100.00	89.20	0.00	100.00
55.10	-	-	-	100.00	89.20	0.00	100.00
55.15	-	-	-	100.00	89.20	0.00	100.00
55.20	-	-	-	100.00	89.20	0.00	100.00
55.25	-	-	-	100.00	89.20	0.00	100.00
55.30	-	-	-	100.00	89.20	0.00	100.00
55.35	-	-	-	100.00	89.20	0.00	100.00
55.40	-	-	-	100.00	89.20	0.00	100.00
55.45	-	-	-	100.00	89.20	0.00	100.00
55.50	-	-	-	100.00	89.20	0.00	100.00
55.55	-	-	-	100.00	89.20	0.00	100.00
55.60	-	-	-	100.00	89.20	0.00	100.00
55.65	-	-	-	100.00	89.20	0.00	100.00
55.70	-	-	-	100.00	89.20	0.00	100.00
55.75	-	-	-	99.59	89.20	0.00	99.59
55.80	-	-	-	98.44	89.20	0.00	98.44
55.85	-	-	-	97.28	89.20	0.00	97.28
55.90	-	-	-	96.13	89.20	0.00	96.13
55.95	-	-	-	94.98	89.20	0.00	94.98
56.00	-	-	-	93.83	89.20	0.00	93.83
56.05	-	-	-	92.68	89.20	0.00	92.68
56.10	-	-	-	91.53	89.20	0.00	91.53

56.15	-	-	-	90.38	89.20	0.00	90.38
56.20	-	-	-	89.24	89.20	0.00	89.24
56.25	-	-	-	88.09	89.20	0.00	88.09
56.30	-	-	-	86.94	89.20	0.00	86.94
56.35	-	-	-	85.80	89.20	0.00	85.80
56.40	-	-	-	84.66	89.20	0.00	84.66
56.45	-	-	-	83.51	89.20	0.00	83.51
56.50	-	-	-	82.37	89.20	0.00	82.37
56.55	-	-	-	81.23	89.20	0.00	81.23
56.60	-	-	-	80.09	89.20	0.00	80.09
56.65	-	-	-	78.95	89.20	0.00	78.95
56.70	-	-	-	77.81	89.20	0.00	77.81
56.75	-	-	-	76.67	89.20	0.00	76.67
56.80	-	-	-	75.53	89.20	0.00	75.53
56.85	-	-	-	74.39	89.20	0.00	74.39
56.90	-	-	-	73.26	89.20	0.00	73.26
56.95	-	-	-	72.12	89.20	0.00	72.12
57.00	-	-	-	70.99	89.20	0.00	70.99
57.05	-	-	-	69.85	89.20	0.00	69.85
57.10	-	-	-	68.72	89.20	0.00	68.72
57.15	-	-	-	67.59	89.20	0.00	67.59
57.20	-	-	-	66.45	89.20	0.00	66.45
57.25	-	-	-	65.32	89.20	0.00	65.32
57.30	-	-	-	64.19	89.20	0.00	64.19
57.35	-	-	-	63.06	89.20	0.00	63.06
57.40	-	-	-	61.93	89.20	0.00	61.93
57.45	-	-	-	60.81	89.20	0.00	60.81
57.50	-	-	-	59.68	89.20	0.00	59.68
57.55	-	-	-	59.65	89.20	0.00	59.65
57.60	-	-	-	59.63	89.20	0.00	59.63
57.65	-	-	-	59.61	89.20	0.00	59.61
57.70	-	-	-	59.60	89.20	0.00	59.60
57.75	-	-	-	59.58	89.20	0.00	59.58
57.80	-	-	-	59.56	89.20	0.00	59.56
57.85	-	-	-	59.55	89.20	0.00	59.55
57.90	-	-	-	59.53	89.20	0.00	59.53
57.95	-	-	-	59.51	89.20	0.00	59.51
58.00	-	-	-	59.49	89.20	0.00	59.49
58.05	-	-	-	59.48	89.20	0.00	59.48
58.10	-	-	-	59.46	89.20	0.00	59.46
58.15	-	-	-	59.44	89.20	0.00	59.44
58.20	-	-	-	59.43	89.20	0.00	59.43
58.25	-	-	-	59.41	89.20	0.00	59.41
58.30	-	-	-	59.39	89.20	0.00	59.39
58.35	-	-	-	59.38	89.20	0.00	59.38
58.40	-	-	-	59.36	89.20	0.00	59.36
58.45	-	-	-	59.34	89.20	0.00	59.34
58.50	-	-	-	59.33	89.20	0.00	59.33
58.55	-	-	-	59.31	89.20	0.00	59.31
58.60	-	-	-	59.29	89.20	0.00	59.29
58.65	-	-	-	59.28	89.20	0.00	59.28
58.70	-	-	-	59.26	89.20	0.00	59.26
58.75	-	-	-	59.25	89.20	0.00	59.25
58.80	-	-	-	59.23	89.20	0.00	59.23
58.85	-	-	-	59.21	89.20	0.00	59.21
58.90	-	-	-	59.20	89.20	0.00	59.20
58.95	-	-	-	59.18	89.20	0.00	59.18
59.00	-	-	-	59.16	89.20	0.00	59.16
59.05	-	-	-	59.15	89.20	0.00	59.15
59.10	-	-	-	59.13	89.20	0.00	59.13
59.15	-	-	-	59.12	89.20	0.00	59.12
59.20	-	-	-	59.10	89.20	0.00	59.10
59.25	-	-	-	59.09	89.20	0.00	59.09
59.30	-	-	-	59.07	89.20	0.00	59.07
59.35	-	-	-	59.05	89.20	0.00	59.05
59.40	-	-	-	59.04	89.20	0.00	59.04
59.45	-	-	-	59.02	89.20	0.00	59.02
59.50	-	-	-	59.01	89.20	0.00	59.01
59.55	-	-	-	58.99	89.20	0.00	58.99
59.60	-	-	-	58.97	89.20	0.00	58.97
59.65	-	-	-	58.96	89.20	0.00	58.96
59.70	-	-	-	58.94	89.20	0.00	58.94
59.75	-	-	-	58.93	89.20	0.00	58.93

59.80	-	-	-	58.91	89.20	0.00	58.91
59.85	-	-	-	58.90	89.20	0.00	58.90
59.90	-	-	-	58.88	89.20	0.00	58.88
59.95	-	-	-	58.87	89.20	0.00	58.87
60.00	-	-	-	58.85	89.20	0.00	58.85
60.05	-	-	-	58.84	89.20	0.00	58.84
60.10	-	-	-	58.82	89.20	0.00	58.82
60.15	-	-	-	58.81	89.20	0.00	58.81
60.20	-	-	-	58.79	89.20	0.00	58.79
60.25	-	-	-	58.78	89.20	0.00	58.78
60.30	-	-	-	58.76	89.20	0.00	58.76
60.35	-	-	-	58.75	89.20	0.00	58.75
60.40	-	-	-	58.73	89.20	0.00	58.73
60.45	-	-	-	58.72	89.20	0.00	58.72
60.50	-	-	-	58.70	89.20	0.00	58.70
60.55	-	-	-	58.69	89.20	0.00	58.69
60.60	-	-	-	58.67	89.20	0.00	58.67
60.65	-	-	-	58.66	89.20	0.00	58.66
60.70	-	-	-	58.64	89.20	0.00	58.64
60.75	-	-	-	58.63	89.20	0.00	58.63
60.80	-	-	-	58.61	89.20	0.00	58.61
60.85	-	-	-	58.60	89.20	0.00	58.60
60.90	-	-	-	58.58	89.20	0.00	58.58
60.95	-	-	-	58.57	89.20	0.00	58.57
61.00	-	-	-	58.55	89.20	0.00	58.55
61.05	-	-	-	58.54	89.20	0.00	58.54
61.10	-	-	-	58.52	89.20	0.00	58.52
61.15	-	-	-	58.51	89.20	0.00	58.51
61.20	-	-	-	58.49	89.20	0.00	58.49
61.25	-	-	-	58.48	89.20	0.00	58.48
61.30	-	-	-	58.47	89.20	0.00	58.47
61.35	-	-	-	58.45	89.20	0.00	58.45
61.40	-	-	-	58.44	89.20	0.00	58.44
61.45	-	-	-	58.42	89.20	0.00	58.42
61.50	-	-	-	58.41	89.20	0.00	58.41
61.55	-	-	-	58.39	89.20	0.00	58.39
61.60	-	-	-	58.38	89.20	0.00	58.38
61.65	-	-	-	58.37	89.20	0.00	58.37
61.70	-	-	-	58.35	89.20	0.00	58.35
61.75	-	-	-	58.34	89.20	0.00	58.34
61.80	-	-	-	58.32	89.20	0.00	58.32
61.85	-	-	-	58.31	89.20	0.00	58.31
61.90	-	-	-	58.30	89.20	0.00	58.30
61.95	-	-	-	58.28	89.20	0.00	58.28
62.00	-	-	-	58.27	89.20	0.00	58.27
62.05	-	-	-	58.25	89.20	0.00	58.25
62.10	-	-	-	58.24	89.20	0.00	58.24
62.15	-	-	-	58.23	89.20	0.00	58.23
62.20	-	-	-	58.21	89.20	0.00	58.21
62.25	-	-	-	58.20	89.20	0.00	58.20
62.30	-	-	-	58.19	89.20	0.00	58.19
62.35	-	-	-	58.17	89.20	0.00	58.17
62.40	-	-	-	58.16	89.20	0.00	58.16
62.45	-	-	-	58.15	89.20	0.00	58.15
62.50	-	-	-	58.13	89.20	0.00	58.13
62.55	-	-	-	58.13	89.20	0.00	58.13
62.60	-	-	-	58.13	89.20	0.00	58.13
62.65	-	-	-	58.12	89.20	0.00	58.12
62.70	-	-	-	58.12	89.20	0.00	58.12
62.75	-	-	-	58.12	89.20	0.00	58.12
62.80	-	-	-	58.11	89.20	0.00	58.11
62.85	-	-	-	58.11	89.20	0.00	58.11
62.90	-	-	-	58.11	89.20	0.00	58.11
62.95	-	-	-	58.11	89.20	0.00	58.11
63.00	-	-	-	58.10	89.20	0.00	58.10
63.05	-	-	-	58.10	89.20	0.00	58.10
63.10	-	-	-	58.10	89.20	0.00	58.10
63.15	-	-	-	58.10	89.20	0.00	58.10
63.20	-	-	-	58.09	89.20	0.00	58.09
63.25	-	-	-	58.09	89.20	0.00	58.09
63.30	-	-	-	58.09	89.20	0.00	58.09
63.35	-	-	-	58.09	89.20	0.00	58.09
63.40	-	-	-	58.08	89.20	0.00	58.08

63.45	-	-	-	58.08	89.20	0.00	58.08
63.50	-	-	-	58.08	89.20	0.00	58.08
63.55	-	-	-	58.07	89.20	0.00	58.07
63.60	-	-	-	58.07	89.20	0.00	58.07
63.65	-	-	-	58.07	89.20	0.00	58.07
63.70	-	-	-	58.07	89.20	0.00	58.07
63.75	-	-	-	58.06	89.20	0.00	58.06
63.80	-	-	-	58.06	89.20	0.00	58.06
63.85	-	-	-	58.06	89.20	0.00	58.06
63.90	-	-	-	58.06	89.20	0.00	58.06
63.95	-	-	-	58.05	89.20	0.00	58.05
64.00	-	-	-	58.05	89.20	0.00	58.05
64.05	-	-	-	58.05	89.20	0.00	58.05
64.10	-	-	-	58.05	89.20	0.00	58.05
64.15	-	-	-	58.04	89.20	0.00	58.04
64.20	-	-	-	58.04	89.20	0.00	58.04
64.25	-	-	-	58.04	89.20	0.00	58.04
64.30	-	-	-	58.03	89.20	0.00	58.03
64.35	-	-	-	58.03	89.20	0.00	58.03
64.40	-	-	-	58.03	89.20	0.00	58.03
64.45	-	-	-	58.03	89.20	0.00	58.03
64.50	-	-	-	58.02	89.20	0.00	58.02
64.55	-	-	-	58.02	89.20	0.00	58.02
64.60	-	-	-	58.02	89.20	0.00	58.02
64.65	-	-	-	58.02	89.20	0.00	58.02
64.70	-	-	-	58.01	89.20	0.00	58.01
64.75	-	-	-	58.01	89.20	0.00	58.01
64.80	-	-	-	58.01	89.20	0.00	58.01
64.85	-	-	-	58.01	89.20	0.00	58.01
64.90	-	-	-	58.00	89.20	0.00	58.00
64.95	-	-	-	58.00	89.20	0.00	58.00
65.00	-	-	-	58.00	89.20	0.00	58.00
65.05	-	-	-	58.00	89.20	0.00	58.00
65.10	-	-	-	57.99	89.20	0.00	57.99
65.15	-	-	-	57.99	89.20	0.00	57.99
65.20	-	-	-	57.99	89.20	0.00	57.99
65.25	-	-	-	57.99	89.20	0.00	57.99
65.30	-	-	-	57.98	89.20	0.00	57.98
65.35	-	-	-	57.98	89.20	0.00	57.98
65.40	-	-	-	57.98	89.20	0.00	57.98
65.45	-	-	-	57.98	89.20	0.00	57.98
65.50	-	-	-	57.97	89.20	0.00	57.97
65.55	-	-	-	57.97	89.20	0.00	57.97
65.60	-	-	-	57.97	89.20	0.00	57.97
65.65	-	-	-	57.97	89.20	0.00	57.97
65.70	-	-	-	57.96	89.20	0.00	57.96
65.75	-	-	-	57.96	89.20	0.00	57.96
65.80	-	-	-	57.96	89.20	0.00	57.96
65.85	-	-	-	57.96	89.20	0.00	57.96
65.90	-	-	-	57.95	89.20	0.00	57.95
65.95	-	-	-	57.95	89.20	0.00	57.95
66.00	-	-	-	57.95	89.20	0.00	57.95
66.05	-	-	-	57.95	89.20	0.00	57.95
66.10	-	-	-	57.94	89.20	0.00	57.94
66.15	-	-	-	57.94	89.20	0.00	57.94
66.20	-	-	-	57.94	89.20	0.00	57.94
66.25	-	-	-	57.94	89.20	0.00	57.94
66.30	-	-	-	57.93	89.20	0.00	57.93
66.35	-	-	-	57.93	89.20	0.00	57.93
66.40	-	-	-	57.93	89.20	0.00	57.93
66.45	-	-	-	57.93	89.20	0.00	57.93
66.50	-	-	-	57.92	89.20	0.00	57.92
66.55	-	-	-	57.92	89.20	0.00	57.92
66.60	-	-	-	57.92	89.20	0.00	57.92
66.65	-	-	-	57.92	89.20	0.00	57.92
66.70	-	-	-	57.91	89.20	0.00	57.91
66.75	-	-	-	57.91	89.20	0.00	57.91
66.80	-	-	-	57.91	89.20	0.00	57.91
66.85	-	-	-	57.91	89.20	0.00	57.91
66.90	-	-	-	57.90	89.20	0.00	57.90
66.95	-	-	-	57.90	89.20	0.00	57.90
67.00	-	-	-	57.90	89.20	0.00	57.90
67.05	-	-	-	57.90	89.20	0.00	57.90

67.10	-	-	-	57.89	89.20	0.00	57.89
67.15	-	-	-	57.89	89.20	0.00	57.89
67.20	-	-	-	57.89	89.20	0.00	57.89
67.25	-	-	-	57.89	89.20	0.00	57.89
67.30	-	-	-	57.89	89.20	0.00	57.89
67.35	-	-	-	57.88	89.20	0.00	57.88
67.40	-	-	-	57.88	89.20	0.00	57.88
67.45	-	-	-	57.88	89.20	0.00	57.88
67.50	-	-	-	57.88	89.20	0.00	57.88
67.55	-	-	-	57.87	89.20	0.00	57.87
67.60	-	-	-	57.87	89.20	0.00	57.87
67.65	-	-	-	57.87	89.20	0.00	57.87
67.70	-	-	-	57.87	89.20	0.00	57.87
67.75	-	-	-	57.86	89.20	0.00	57.86
67.80	-	-	-	57.86	89.20	0.00	57.86
67.85	-	-	-	57.86	89.20	0.00	57.86
67.90	-	-	-	57.86	89.20	0.00	57.86
67.95	-	-	-	57.85	89.20	0.00	57.85
68.00	-	-	-	57.85	89.20	0.00	57.85
68.05	-	-	-	57.85	89.20	0.00	57.85
68.10	-	-	-	57.85	89.20	0.00	57.85
68.15	-	-	-	57.85	89.20	0.00	57.85
68.20	-	-	-	57.84	89.20	0.00	57.84
68.25	-	-	-	57.84	89.20	0.00	57.84
68.30	-	-	-	57.84	89.20	0.00	57.84
68.35	-	-	-	57.84	89.20	0.00	57.84
68.40	-	-	-	57.83	89.20	0.00	57.83
68.45	-	-	-	57.83	89.20	0.00	57.83
68.50	-	-	-	57.83	89.20	0.00	57.83
68.55	-	-	-	57.83	89.20	0.00	57.83
68.60	-	-	-	57.82	89.20	0.00	57.82
68.65	-	-	-	57.82	89.20	0.00	57.82
68.70	-	-	-	57.82	89.20	0.00	57.82
68.75	-	-	-	57.82	89.20	0.00	57.82
68.80	-	-	-	57.82	89.20	0.00	57.82
68.85	-	-	-	57.81	89.20	0.00	57.81
68.90	-	-	-	57.81	89.20	0.00	57.81
68.95	-	-	-	57.81	89.20	0.00	57.81
69.00	-	-	-	57.81	89.20	0.00	57.81
69.05	-	-	-	57.80	89.20	0.00	57.80
69.10	-	-	-	57.80	89.20	0.00	57.80
69.15	-	-	-	57.80	89.20	0.00	57.80
69.20	-	-	-	57.80	89.20	0.00	57.80
69.25	-	-	-	57.80	89.20	0.00	57.80
69.30	-	-	-	57.79	89.20	0.00	57.79
69.35	-	-	-	57.79	89.20	0.00	57.79
69.40	-	-	-	57.79	89.20	0.00	57.79
69.45	-	-	-	57.79	89.20	0.00	57.79
69.50	-	-	-	57.78	89.20	0.00	57.78
69.55	-	-	-	57.78	89.20	0.00	57.78
69.60	-	-	-	57.78	89.20	0.00	57.78
69.65	-	-	-	57.78	89.20	0.00	57.78
69.70	-	-	-	57.78	89.20	0.00	57.78
69.75	-	-	-	57.77	89.20	0.00	57.77
69.80	-	-	-	57.77	89.20	0.00	57.77
69.85	-	-	-	57.77	89.20	0.00	57.77
69.90	-	-	-	57.77	89.20	0.00	57.77
69.95	-	-	-	57.76	89.20	0.00	57.76
70.00	-	-	-	57.76	89.20	0.00	57.76

(N1)60s has been fines corrected in liquefaction analysis, therefore d(N1)60=0.
Fines=NoLiq means the soils are not liquefiable.

Settlement of Saturated Sands:
Settlement Analysis Method: Tokimatsu, M-correction

Depth ft	CSRsf	/ MSF*	=CSRm	F.S.	Fines %	(N1)60s	Dr %	ec %	dsz in.	dsp in.	S in.
69.95	0.48	1.32	0.36	1.28	89.20	57.76	100.00	0.000	0.0E0	0.000	0.000
69.90	0.48	1.32	0.36	1.28	89.20	57.77	100.00	0.000	0.0E0	0.000	0.000
69.85	0.48	1.32	0.36	1.28	89.20	57.77	100.00	0.000	0.0E0	0.000	0.000
69.80	0.48	1.32	0.37	1.28	89.20	57.77	100.00	0.000	0.0E0	0.000	0.000

69.75	0.48	1.32	0.37	1.28	89.20	57.77	100.00	0.000	0.0E0	0.000	0.000
69.70	0.48	1.32	0.37	1.28	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.65	0.48	1.32	0.37	1.28	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.60	0.48	1.32	0.37	1.28	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.55	0.48	1.32	0.37	1.28	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.50	0.48	1.32	0.37	1.28	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.45	0.48	1.32	0.37	1.28	89.20	57.79	100.00	0.000	0.0E0	0.000	0.000
69.40	0.48	1.32	0.37	1.27	89.20	57.79	100.00	0.000	0.0E0	0.000	0.000
69.35	0.48	1.32	0.37	1.27	89.20	57.79	100.00	0.000	0.0E0	0.000	0.000
69.30	0.48	1.32	0.37	1.27	89.20	57.79	100.00	0.000	0.0E0	0.000	0.000
69.25	0.48	1.32	0.37	1.27	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.20	0.49	1.32	0.37	1.27	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.15	0.49	1.32	0.37	1.27	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.10	0.49	1.32	0.37	1.27	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.05	0.49	1.32	0.37	1.27	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.00	0.49	1.32	0.37	1.27	89.20	57.81	100.00	0.000	0.0E0	0.000	0.000
68.95	0.49	1.32	0.37	1.27	89.20	57.81	100.00	0.000	0.0E0	0.000	0.000
68.90	0.49	1.32	0.37	1.27	89.20	57.81	100.00	0.000	0.0E0	0.000	0.000
68.85	0.49	1.32	0.37	1.27	89.20	57.81	100.00	0.000	0.0E0	0.000	0.000
68.80	0.49	1.32	0.37	1.27	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.75	0.49	1.32	0.37	1.27	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.70	0.49	1.32	0.37	1.27	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.65	0.49	1.32	0.37	1.26	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.60	0.49	1.32	0.37	1.26	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.55	0.49	1.32	0.37	1.26	89.20	57.83	100.00	0.000	0.0E0	0.000	0.000
68.50	0.49	1.32	0.37	1.26	89.20	57.83	100.00	0.000	0.0E0	0.000	0.000
68.45	0.49	1.32	0.37	1.26	89.20	57.83	100.00	0.000	0.0E0	0.000	0.000
68.40	0.49	1.32	0.37	1.26	89.20	57.83	100.00	0.000	0.0E0	0.000	0.000
68.35	0.49	1.32	0.37	1.26	89.20	57.84	100.00	0.000	0.0E0	0.000	0.000
68.30	0.49	1.32	0.37	1.26	89.20	57.84	100.00	0.000	0.0E0	0.000	0.000
68.25	0.49	1.32	0.37	1.26	89.20	57.84	100.00	0.000	0.0E0	0.000	0.000
68.20	0.49	1.32	0.37	1.26	89.20	57.84	100.00	0.000	0.0E0	0.000	0.000
68.15	0.49	1.32	0.37	1.26	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
68.10	0.49	1.32	0.37	1.26	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
68.05	0.49	1.32	0.37	1.26	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
68.00	0.49	1.32	0.37	1.26	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
67.95	0.49	1.32	0.37	1.26	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
67.90	0.49	1.32	0.37	1.26	89.20	57.86	100.00	0.000	0.0E0	0.000	0.000
67.85	0.49	1.32	0.37	1.25	89.20	57.86	100.00	0.000	0.0E0	0.000	0.000
67.80	0.49	1.32	0.37	1.25	89.20	57.86	100.00	0.000	0.0E0	0.000	0.000
67.75	0.49	1.32	0.37	1.25	89.20	57.86	100.00	0.000	0.0E0	0.000	0.000
67.70	0.49	1.32	0.37	1.25	89.20	57.87	100.00	0.000	0.0E0	0.000	0.000
67.65	0.49	1.32	0.37	1.25	89.20	57.87	100.00	0.000	0.0E0	0.000	0.000
67.60	0.49	1.32	0.37	1.25	89.20	57.87	100.00	0.000	0.0E0	0.000	0.000
67.55	0.49	1.32	0.38	1.25	89.20	57.87	100.00	0.000	0.0E0	0.000	0.000
67.50	0.50	1.32	0.38	1.25	89.20	57.88	100.00	0.000	0.0E0	0.000	0.000
67.45	0.50	1.32	0.38	1.25	89.20	57.88	100.00	0.000	0.0E0	0.000	0.000
67.40	0.50	1.32	0.38	1.25	89.20	57.88	100.00	0.000	0.0E0	0.000	0.000
67.35	0.50	1.32	0.38	1.25	89.20	57.88	100.00	0.000	0.0E0	0.000	0.000
67.30	0.50	1.32	0.38	1.25	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.25	0.50	1.32	0.38	1.25	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.20	0.50	1.32	0.38	1.25	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.15	0.50	1.32	0.38	1.25	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.10	0.50	1.32	0.38	1.25	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.05	0.50	1.32	0.38	1.25	89.20	57.90	100.00	0.000	0.0E0	0.000	0.000
67.00	0.50	1.32	0.38	1.24	89.20	57.90	100.00	0.000	0.0E0	0.000	0.000
66.95	0.50	1.32	0.38	1.24	89.20	57.90	100.00	0.000	0.0E0	0.000	0.000
66.90	0.50	1.32	0.38	1.24	89.20	57.90	100.00	0.000	0.0E0	0.000	0.000
66.85	0.50	1.32	0.38	1.24	89.20	57.91	100.00	0.000	0.0E0	0.000	0.000
66.80	0.50	1.32	0.38	1.24	89.20	57.91	100.00	0.000	0.0E0	0.000	0.000
66.75	0.50	1.32	0.38	1.24	89.20	57.91	100.00	0.000	0.0E0	0.000	0.000
66.70	0.50	1.32	0.38	1.24	89.20	57.91	100.00	0.000	0.0E0	0.000	0.000
66.65	0.50	1.32	0.38	1.24	89.20	57.92	100.00	0.000	0.0E0	0.000	0.000
66.60	0.50	1.32	0.38	1.24	89.20	57.92	100.00	0.000	0.0E0	0.000	0.000
66.55	0.50	1.32	0.38	1.24	89.20	57.92	100.00	0.000	0.0E0	0.000	0.000
66.50	0.50	1.32	0.38	1.24	89.20	57.92	100.00	0.000	0.0E0	0.000	0.000
66.45	0.50	1.32	0.38	1.24	89.20	57.93	100.00	0.000	0.0E0	0.000	0.000
66.40	0.50	1.32	0.38	1.24	89.20	57.93	100.00	0.000	0.0E0	0.000	0.000
66.35	0.50	1.32	0.38	1.24	89.20	57.93	100.00	0.000	0.0E0	0.000	0.000
66.30	0.50	1.32	0.38	1.24	89.20	57.93	100.00	0.000	0.0E0	0.000	0.000
66.25	0.50	1.32	0.38	1.24	89.20	57.94	100.00	0.000	0.0E0	0.000	0.000
66.20	0.50	1.32	0.38	1.24	89.20	57.94	100.00	0.000	0.0E0	0.000	0.000
66.15	0.50	1.32	0.38	1.23	89.20	57.94	100.00	0.000	0.0E0	0.000	0.000

66.10	0.50	1.32	0.38	1.23	89.20	57.94	100.00	0.000	0.0E0	0.000	0.000
66.05	0.50	1.32	0.38	1.23	89.20	57.95	100.00	0.000	0.0E0	0.000	0.000
66.00	0.50	1.32	0.38	1.23	89.20	57.95	100.00	0.000	0.0E0	0.000	0.000
65.95	0.50	1.32	0.38	1.23	89.20	57.95	100.00	0.000	0.0E0	0.000	0.000
65.90	0.50	1.32	0.38	1.23	89.20	57.95	100.00	0.000	0.0E0	0.000	0.000
65.85	0.50	1.32	0.38	1.23	89.20	57.96	100.00	0.000	0.0E0	0.000	0.000
65.80	0.50	1.32	0.38	1.23	89.20	57.96	100.00	0.000	0.0E0	0.000	0.000
65.75	0.51	1.32	0.38	1.23	89.20	57.96	100.00	0.000	0.0E0	0.000	0.000
65.70	0.51	1.32	0.38	1.23	89.20	57.96	100.00	0.000	0.0E0	0.000	0.000
65.65	0.51	1.32	0.38	1.23	89.20	57.97	100.00	0.000	0.0E0	0.000	0.000
65.60	0.51	1.32	0.38	1.23	89.20	57.97	100.00	0.000	0.0E0	0.000	0.000
65.55	0.51	1.32	0.38	1.23	89.20	57.97	100.00	0.000	0.0E0	0.000	0.000
65.50	0.51	1.32	0.38	1.23	89.20	57.97	100.00	0.000	0.0E0	0.000	0.000
65.45	0.51	1.32	0.38	1.23	89.20	57.98	100.00	0.000	0.0E0	0.000	0.000
65.40	0.51	1.32	0.38	1.23	89.20	57.98	100.00	0.000	0.0E0	0.000	0.000
65.35	0.51	1.32	0.38	1.23	89.20	57.98	100.00	0.000	0.0E0	0.000	0.000
65.30	0.51	1.32	0.38	1.22	89.20	57.98	100.00	0.000	0.0E0	0.000	0.000
65.25	0.51	1.32	0.39	1.22	89.20	57.99	100.00	0.000	0.0E0	0.000	0.000
65.20	0.51	1.32	0.39	1.22	89.20	57.99	100.00	0.000	0.0E0	0.000	0.000
65.15	0.51	1.32	0.39	1.22	89.20	57.99	100.00	0.000	0.0E0	0.000	0.000
65.10	0.51	1.32	0.39	1.22	89.20	57.99	100.00	0.000	0.0E0	0.000	0.000
65.05	0.51	1.32	0.39	1.22	89.20	58.00	100.00	0.000	0.0E0	0.000	0.000
65.00	0.51	1.32	0.39	1.22	89.20	58.00	100.00	0.000	0.0E0	0.000	0.000
64.95	0.51	1.32	0.39	1.22	89.20	58.00	100.00	0.000	0.0E0	0.000	0.000
64.90	0.51	1.32	0.39	1.22	89.20	58.00	100.00	0.000	0.0E0	0.000	0.000
64.85	0.51	1.32	0.39	1.22	89.20	58.01	100.00	0.000	0.0E0	0.000	0.000
64.80	0.51	1.32	0.39	1.22	89.20	58.01	100.00	0.000	0.0E0	0.000	0.000
64.75	0.51	1.32	0.39	1.22	89.20	58.01	100.00	0.000	0.0E0	0.000	0.000
64.70	0.51	1.32	0.39	1.22	89.20	58.01	100.00	0.000	0.0E0	0.000	0.000
64.65	0.51	1.32	0.39	1.22	89.20	58.02	100.00	0.000	0.0E0	0.000	0.000
64.60	0.51	1.32	0.39	1.22	89.20	58.02	100.00	0.000	0.0E0	0.000	0.000
64.55	0.51	1.32	0.39	1.22	89.20	58.02	100.00	0.000	0.0E0	0.000	0.000
64.50	0.51	1.32	0.39	1.22	89.20	58.02	100.00	0.000	0.0E0	0.000	0.000
64.45	0.51	1.32	0.39	1.22	89.20	58.03	100.00	0.000	0.0E0	0.000	0.000
64.40	0.51	1.32	0.39	1.21	89.20	58.03	100.00	0.000	0.0E0	0.000	0.000
64.35	0.51	1.32	0.39	1.21	89.20	58.03	100.00	0.000	0.0E0	0.000	0.000
64.30	0.51	1.32	0.39	1.21	89.20	58.03	100.00	0.000	0.0E0	0.000	0.000
64.25	0.51	1.32	0.39	1.21	89.20	58.04	100.00	0.000	0.0E0	0.000	0.000
64.20	0.51	1.32	0.39	1.21	89.20	58.04	100.00	0.000	0.0E0	0.000	0.000
64.15	0.51	1.32	0.39	1.21	89.20	58.04	100.00	0.000	0.0E0	0.000	0.000
64.10	0.51	1.32	0.39	1.21	89.20	58.05	100.00	0.000	0.0E0	0.000	0.000
64.05	0.51	1.32	0.39	1.21	89.20	58.05	100.00	0.000	0.0E0	0.000	0.000
64.00	0.52	1.32	0.39	1.21	89.20	58.05	100.00	0.000	0.0E0	0.000	0.000
63.95	0.52	1.32	0.39	1.21	89.20	58.05	100.00	0.000	0.0E0	0.000	0.000
63.90	0.52	1.32	0.39	1.21	89.20	58.06	100.00	0.000	0.0E0	0.000	0.000
63.85	0.52	1.32	0.39	1.21	89.20	58.06	100.00	0.000	0.0E0	0.000	0.000
63.80	0.52	1.32	0.39	1.21	89.20	58.06	100.00	0.000	0.0E0	0.000	0.000
63.75	0.52	1.32	0.39	1.21	89.20	58.06	100.00	0.000	0.0E0	0.000	0.000
63.70	0.52	1.32	0.39	1.21	89.20	58.07	100.00	0.000	0.0E0	0.000	0.000
63.65	0.52	1.32	0.39	1.21	89.20	58.07	100.00	0.000	0.0E0	0.000	0.000
63.60	0.52	1.32	0.39	1.21	89.20	58.07	100.00	0.000	0.0E0	0.000	0.000
63.55	0.52	1.32	0.39	1.21	89.20	58.07	100.00	0.000	0.0E0	0.000	0.000
63.50	0.52	1.32	0.39	1.20	89.20	58.08	100.00	0.000	0.0E0	0.000	0.000
63.45	0.52	1.32	0.39	1.20	89.20	58.08	100.00	0.000	0.0E0	0.000	0.000
63.40	0.52	1.32	0.39	1.20	89.20	58.08	100.00	0.000	0.0E0	0.000	0.000
63.35	0.52	1.32	0.39	1.20	89.20	58.09	100.00	0.000	0.0E0	0.000	0.000
63.30	0.52	1.32	0.39	1.20	89.20	58.09	100.00	0.000	0.0E0	0.000	0.000
63.25	0.52	1.32	0.39	1.20	89.20	58.09	100.00	0.000	0.0E0	0.000	0.000
63.20	0.52	1.32	0.39	1.20	89.20	58.09	100.00	0.000	0.0E0	0.000	0.000
63.15	0.52	1.32	0.39	1.20	89.20	58.10	100.00	0.000	0.0E0	0.000	0.000
63.10	0.52	1.32	0.39	1.20	89.20	58.10	100.00	0.000	0.0E0	0.000	0.000
63.05	0.52	1.32	0.39	1.20	89.20	58.10	100.00	0.000	0.0E0	0.000	0.000
63.00	0.52	1.32	0.39	1.20	89.20	58.10	100.00	0.000	0.0E0	0.000	0.000
62.95	0.52	1.32	0.40	1.20	89.20	58.11	100.00	0.000	0.0E0	0.000	0.000
62.90	0.52	1.32	0.40	1.20	89.20	58.11	100.00	0.000	0.0E0	0.000	0.000
62.85	0.52	1.32	0.40	1.20	89.20	58.11	100.00	0.000	0.0E0	0.000	0.000
62.80	0.52	1.32	0.40	1.20	89.20	58.11	100.00	0.000	0.0E0	0.000	0.000
62.75	0.52	1.32	0.40	1.20	89.20	58.12	100.00	0.000	0.0E0	0.000	0.000
62.70	0.52	1.32	0.40	1.20	89.20	58.12	100.00	0.000	0.0E0	0.000	0.000
62.65	0.52	1.32	0.40	1.20	89.20	58.12	100.00	0.000	0.0E0	0.000	0.000
62.60	0.52	1.32	0.40	1.20	89.20	58.13	100.00	0.000	0.0E0	0.000	0.000
62.55	0.52	1.32	0.40	1.19	89.20	58.13	100.00	0.000	0.0E0	0.000	0.000
62.50	0.52	1.32	0.40	1.19	89.20	58.13	100.00	0.000	0.0E0	0.000	0.000

62.45	0.52	1.32	0.40	1.19	89.20	58.15	100.00	0.000	0.0E0	0.000	0.000
62.40	0.52	1.32	0.40	1.19	89.20	58.16	100.00	0.000	0.0E0	0.000	0.000
62.35	0.52	1.32	0.40	1.19	89.20	58.17	100.00	0.000	0.0E0	0.000	0.000
62.30	0.52	1.32	0.40	1.19	89.20	58.19	100.00	0.000	0.0E0	0.000	0.000
62.25	0.53	1.32	0.40	1.19	89.20	58.20	100.00	0.000	0.0E0	0.000	0.000
62.20	0.53	1.32	0.40	1.19	89.20	58.21	100.00	0.000	0.0E0	0.000	0.000
62.15	0.53	1.32	0.40	1.19	89.20	58.23	100.00	0.000	0.0E0	0.000	0.000
62.10	0.53	1.32	0.40	1.19	89.20	58.24	100.00	0.000	0.0E0	0.000	0.000
62.05	0.53	1.32	0.40	1.19	89.20	58.25	100.00	0.000	0.0E0	0.000	0.000
62.00	0.53	1.32	0.40	1.19	89.20	58.27	100.00	0.000	0.0E0	0.000	0.000
61.95	0.53	1.32	0.40	1.19	89.20	58.28	100.00	0.000	0.0E0	0.000	0.000
61.90	0.53	1.32	0.40	1.19	89.20	58.30	100.00	0.000	0.0E0	0.000	0.000
61.85	0.53	1.32	0.40	1.19	89.20	58.31	100.00	0.000	0.0E0	0.000	0.000
61.80	0.53	1.32	0.40	1.19	89.20	58.32	100.00	0.000	0.0E0	0.000	0.000
61.75	0.53	1.32	0.40	1.19	89.20	58.34	100.00	0.000	0.0E0	0.000	0.000
61.70	0.53	1.32	0.40	1.19	89.20	58.35	100.00	0.000	0.0E0	0.000	0.000
61.65	0.53	1.32	0.40	1.19	89.20	58.37	100.00	0.000	0.0E0	0.000	0.000
61.60	0.53	1.32	0.40	1.18	89.20	58.38	100.00	0.000	0.0E0	0.000	0.000
61.55	0.53	1.32	0.40	1.18	89.20	58.39	100.00	0.000	0.0E0	0.000	0.000
61.50	0.53	1.32	0.40	1.18	89.20	58.41	100.00	0.000	0.0E0	0.000	0.000
61.45	0.53	1.32	0.40	1.18	89.20	58.42	100.00	0.000	0.0E0	0.000	0.000
61.40	0.53	1.32	0.40	1.18	89.20	58.44	100.00	0.000	0.0E0	0.000	0.000
61.35	0.53	1.32	0.40	1.18	89.20	58.45	100.00	0.000	0.0E0	0.000	0.000
61.30	0.53	1.32	0.40	1.18	89.20	58.47	100.00	0.000	0.0E0	0.000	0.000
61.25	0.53	1.32	0.40	1.18	89.20	58.48	100.00	0.000	0.0E0	0.000	0.000
61.20	0.53	1.32	0.40	1.18	89.20	58.49	100.00	0.000	0.0E0	0.000	0.000
61.15	0.53	1.32	0.40	1.18	89.20	58.51	100.00	0.000	0.0E0	0.000	0.000
61.10	0.53	1.32	0.40	1.18	89.20	58.52	100.00	0.000	0.0E0	0.000	0.000
61.05	0.53	1.32	0.40	1.18	89.20	58.54	100.00	0.000	0.0E0	0.000	0.000
61.00	0.53	1.32	0.40	1.18	89.20	58.55	100.00	0.000	0.0E0	0.000	0.000
60.95	0.53	1.32	0.40	1.18	89.20	58.57	100.00	0.000	0.0E0	0.000	0.000
60.90	0.53	1.32	0.40	1.18	89.20	58.58	100.00	0.000	0.0E0	0.000	0.000
60.85	0.53	1.32	0.40	1.18	89.20	58.60	100.00	0.000	0.0E0	0.000	0.000
60.80	0.53	1.32	0.40	1.18	89.20	58.61	100.00	0.000	0.0E0	0.000	0.000
60.75	0.53	1.32	0.40	1.18	89.20	58.63	100.00	0.000	0.0E0	0.000	0.000
60.70	0.53	1.32	0.40	1.18	89.20	58.64	100.00	0.000	0.0E0	0.000	0.000
60.65	0.53	1.32	0.41	1.18	89.20	58.66	100.00	0.000	0.0E0	0.000	0.000
60.60	0.53	1.32	0.41	1.17	89.20	58.67	100.00	0.000	0.0E0	0.000	0.000
60.55	0.53	1.32	0.41	1.17	89.20	58.69	100.00	0.000	0.0E0	0.000	0.000
60.50	0.54	1.32	0.41	1.17	89.20	58.70	100.00	0.000	0.0E0	0.000	0.000
60.45	0.54	1.32	0.41	1.17	89.20	58.72	100.00	0.000	0.0E0	0.000	0.000
60.40	0.54	1.32	0.41	1.17	89.20	58.73	100.00	0.000	0.0E0	0.000	0.000
60.35	0.54	1.32	0.41	1.17	89.20	58.75	100.00	0.000	0.0E0	0.000	0.000
60.30	0.54	1.32	0.41	1.17	89.20	58.76	100.00	0.000	0.0E0	0.000	0.000
60.25	0.54	1.32	0.41	1.17	89.20	58.78	100.00	0.000	0.0E0	0.000	0.000
60.20	0.54	1.32	0.41	1.17	89.20	58.79	100.00	0.000	0.0E0	0.000	0.000
60.15	0.54	1.32	0.41	1.17	89.20	58.81	100.00	0.000	0.0E0	0.000	0.000
60.10	0.54	1.32	0.41	1.17	89.20	58.82	100.00	0.000	0.0E0	0.000	0.000
60.05	0.54	1.32	0.41	1.17	89.20	58.84	100.00	0.000	0.0E0	0.000	0.000
60.00	0.54	1.32	0.41	1.17	89.20	58.85	100.00	0.000	0.0E0	0.000	0.000
59.95	0.54	1.32	0.41	1.17	89.20	58.87	100.00	0.000	0.0E0	0.000	0.000
59.90	0.54	1.32	0.41	1.17	89.20	58.88	100.00	0.000	0.0E0	0.000	0.000
59.85	0.54	1.32	0.41	1.17	89.20	58.90	100.00	0.000	0.0E0	0.000	0.000
59.80	0.54	1.32	0.41	1.17	89.20	58.91	100.00	0.000	0.0E0	0.000	0.000
59.75	0.54	1.32	0.41	1.17	89.20	58.93	100.00	0.000	0.0E0	0.000	0.000
59.70	0.54	1.32	0.41	1.17	89.20	58.94	100.00	0.000	0.0E0	0.000	0.000
59.65	0.54	1.32	0.41	1.16	89.20	58.96	100.00	0.000	0.0E0	0.000	0.000
59.60	0.54	1.32	0.41	1.16	89.20	58.97	100.00	0.000	0.0E0	0.000	0.000
59.55	0.54	1.32	0.41	1.16	89.20	58.99	100.00	0.000	0.0E0	0.000	0.000
59.50	0.54	1.32	0.41	1.16	89.20	59.01	100.00	0.000	0.0E0	0.000	0.000
59.45	0.54	1.32	0.41	1.16	89.20	59.02	100.00	0.000	0.0E0	0.000	0.000
59.40	0.54	1.32	0.41	1.16	89.20	59.04	100.00	0.000	0.0E0	0.000	0.000
59.35	0.54	1.32	0.41	1.16	89.20	59.05	100.00	0.000	0.0E0	0.000	0.000
59.30	0.54	1.32	0.41	1.16	89.20	59.07	100.00	0.000	0.0E0	0.000	0.000
59.25	0.54	1.32	0.41	1.16	89.20	59.09	100.00	0.000	0.0E0	0.000	0.000
59.20	0.54	1.32	0.41	1.16	89.20	59.10	100.00	0.000	0.0E0	0.000	0.000
59.15	0.54	1.32	0.41	1.16	89.20	59.12	100.00	0.000	0.0E0	0.000	0.000
59.10	0.54	1.32	0.41	1.16	89.20	59.13	100.00	0.000	0.0E0	0.000	0.000
59.05	0.54	1.32	0.41	1.16	89.20	59.15	100.00	0.000	0.0E0	0.000	0.000
59.00	0.54	1.32	0.41	1.16	89.20	59.16	100.00	0.000	0.0E0	0.000	0.000
58.95	0.54	1.32	0.41	1.16	89.20	59.18	100.00	0.000	0.0E0	0.000	0.000
58.90	0.54	1.32	0.41	1.16	89.20	59.20	100.00	0.000	0.0E0	0.000	0.000
58.85	0.55	1.32	0.41	1.16	89.20	59.21	100.00	0.000	0.0E0	0.000	0.000

58.80	0.55	1.32	0.41	1.16	89.20	59.23	100.00	0.000	0.0E0	0.000	0.000
58.75	0.55	1.32	0.41	1.16	89.20	59.25	100.00	0.000	0.0E0	0.000	0.000
58.70	0.55	1.32	0.41	1.16	89.20	59.26	100.00	0.000	0.0E0	0.000	0.000
58.65	0.55	1.32	0.41	1.15	89.20	59.28	100.00	0.000	0.0E0	0.000	0.000
58.60	0.55	1.32	0.41	1.15	89.20	59.29	100.00	0.000	0.0E0	0.000	0.000
58.55	0.55	1.32	0.41	1.15	89.20	59.31	100.00	0.000	0.0E0	0.000	0.000
58.50	0.55	1.32	0.41	1.15	89.20	59.33	100.00	0.000	0.0E0	0.000	0.000
58.45	0.55	1.32	0.42	1.15	89.20	59.34	100.00	0.000	0.0E0	0.000	0.000
58.40	0.55	1.32	0.42	1.15	89.20	59.36	100.00	0.000	0.0E0	0.000	0.000
58.35	0.55	1.32	0.42	1.15	89.20	59.38	100.00	0.000	0.0E0	0.000	0.000
58.30	0.55	1.32	0.42	1.15	89.20	59.39	100.00	0.000	0.0E0	0.000	0.000
58.25	0.55	1.32	0.42	1.15	89.20	59.41	100.00	0.000	0.0E0	0.000	0.000
58.20	0.55	1.32	0.42	1.15	89.20	59.43	100.00	0.000	0.0E0	0.000	0.000
58.15	0.55	1.32	0.42	1.15	89.20	59.44	100.00	0.000	0.0E0	0.000	0.000
58.10	0.55	1.32	0.42	1.15	89.20	59.46	100.00	0.000	0.0E0	0.000	0.000
58.05	0.55	1.32	0.42	1.15	89.20	59.48	100.00	0.000	0.0E0	0.000	0.000
58.00	0.55	1.32	0.42	1.15	89.20	59.49	100.00	0.000	0.0E0	0.000	0.000
57.95	0.55	1.32	0.42	1.15	89.20	59.51	100.00	0.000	0.0E0	0.000	0.000
57.90	0.55	1.32	0.42	1.15	89.20	59.53	100.00	0.000	0.0E0	0.000	0.000
57.85	0.55	1.32	0.42	1.15	89.20	59.55	100.00	0.000	0.0E0	0.000	0.000
57.80	0.55	1.32	0.42	1.15	89.20	59.56	100.00	0.000	0.0E0	0.000	0.000
57.75	0.55	1.32	0.42	1.15	89.20	59.58	100.00	0.000	0.0E0	0.000	0.000
57.70	0.55	1.32	0.42	1.15	89.20	59.60	100.00	0.000	0.0E0	0.000	0.000
57.65	0.55	1.32	0.42	1.14	89.20	59.61	100.00	0.000	0.0E0	0.000	0.000
57.60	0.55	1.32	0.42	1.14	89.20	59.63	100.00	0.000	0.0E0	0.000	0.000
57.55	0.55	1.32	0.42	1.14	89.20	59.65	100.00	0.000	0.0E0	0.000	0.000
57.50	0.55	1.32	0.42	1.14	89.20	59.68	100.00	0.000	0.0E0	0.000	0.000
57.45	0.55	1.32	0.42	1.14	89.20	60.81	100.00	0.000	0.0E0	0.000	0.000
57.40	0.55	1.32	0.42	1.14	89.20	61.93	100.00	0.000	0.0E0	0.000	0.000
57.35	0.55	1.32	0.42	1.14	89.20	63.06	100.00	0.000	0.0E0	0.000	0.000
57.30	0.55	1.32	0.42	1.14	89.20	64.19	100.00	0.000	0.0E0	0.000	0.000
57.25	0.55	1.32	0.42	1.14	89.20	65.32	100.00	0.000	0.0E0	0.000	0.000
57.20	0.56	1.32	0.42	1.14	89.20	66.45	100.00	0.000	0.0E0	0.000	0.000
57.15	0.56	1.32	0.42	1.14	89.20	67.59	100.00	0.000	0.0E0	0.000	0.000
57.10	0.56	1.32	0.42	1.14	89.20	68.72	100.00	0.000	0.0E0	0.000	0.000
57.05	0.56	1.32	0.42	1.14	89.20	69.85	100.00	0.000	0.0E0	0.000	0.000
57.00	0.56	1.32	0.42	1.14	89.20	70.99	100.00	0.000	0.0E0	0.000	0.000
56.95	0.56	1.32	0.42	1.14	89.20	72.12	100.00	0.000	0.0E0	0.000	0.000
56.90	0.56	1.32	0.42	1.14	89.20	73.26	100.00	0.000	0.0E0	0.000	0.000
56.85	0.56	1.32	0.42	1.14	89.20	74.39	100.00	0.000	0.0E0	0.000	0.000
56.80	0.56	1.32	0.42	1.14	89.20	75.53	100.00	0.000	0.0E0	0.000	0.000
56.75	0.56	1.32	0.42	1.14	89.20	76.67	100.00	0.000	0.0E0	0.000	0.000
56.70	0.56	1.32	0.42	1.14	89.20	77.81	100.00	0.000	0.0E0	0.000	0.000
56.65	0.56	1.32	0.42	1.13	89.20	78.95	100.00	0.000	0.0E0	0.000	0.000
56.60	0.56	1.32	0.42	1.13	89.20	80.09	100.00	0.000	0.0E0	0.000	0.000
56.55	0.56	1.32	0.42	1.13	89.20	81.23	100.00	0.000	0.0E0	0.000	0.000
56.50	0.56	1.32	0.42	1.13	89.20	82.37	100.00	0.000	0.0E0	0.000	0.000
56.45	0.56	1.32	0.42	1.13	89.20	83.51	100.00	0.000	0.0E0	0.000	0.000
56.40	0.56	1.32	0.42	1.13	89.20	84.66	100.00	0.000	0.0E0	0.000	0.000
56.35	0.56	1.32	0.42	1.13	89.20	85.80	100.00	0.000	0.0E0	0.000	0.000
56.30	0.56	1.32	0.43	1.13	89.20	86.94	100.00	0.000	0.0E0	0.000	0.000
56.25	0.56	1.32	0.43	1.13	89.20	88.09	100.00	0.000	0.0E0	0.000	0.000
56.20	0.56	1.32	0.43	1.13	89.20	89.24	100.00	0.000	0.0E0	0.000	0.000
56.15	0.56	1.32	0.43	1.13	89.20	90.38	100.00	0.000	0.0E0	0.000	0.000
56.10	0.56	1.32	0.43	1.13	89.20	91.53	100.00	0.000	0.0E0	0.000	0.000
56.05	0.56	1.32	0.43	1.13	89.20	92.68	100.00	0.000	0.0E0	0.000	0.000
56.00	0.56	1.32	0.43	1.13	89.20	93.83	100.00	0.000	0.0E0	0.000	0.000
55.95	0.56	1.32	0.43	1.13	89.20	94.98	100.00	0.000	0.0E0	0.000	0.000
55.90	0.56	1.32	0.43	1.13	89.20	96.13	100.00	0.000	0.0E0	0.000	0.000
55.85	0.56	1.32	0.43	1.13	89.20	97.28	100.00	0.000	0.0E0	0.000	0.000
55.80	0.56	1.32	0.43	1.13	89.20	98.44	100.00	0.000	0.0E0	0.000	0.000
55.75	0.56	1.32	0.43	1.13	89.20	99.59	100.00	0.000	0.0E0	0.000	0.000
55.70	0.56	1.32	0.43	1.13	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.65	0.56	1.32	0.43	1.13	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.60	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.55	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.50	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.45	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.40	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.35	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.30	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.25	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.20	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000

55.15	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.10	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.05	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.00	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.95	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.90	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.85	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.80	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.75	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.70	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.65	0.57	1.32	0.43	1.12	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.60	0.57	1.32	0.43	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.55	0.57	1.32	0.43	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.50	0.57	1.32	0.43	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.45	0.57	1.32	0.43	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.40	0.57	1.32	0.43	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.35	0.57	1.32	0.43	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.30	0.57	1.32	0.43	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.25	0.57	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.20	0.57	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.15	0.57	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.10	0.57	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.05	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.00	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.95	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.90	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.85	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.80	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.75	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.70	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.65	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.60	0.58	1.32	0.44	1.11	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.55	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.50	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.45	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.40	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.35	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.30	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.25	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.20	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.15	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.10	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.05	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.00	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.95	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.90	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.85	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.80	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.75	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.70	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.65	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.60	0.58	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.55	0.59	1.32	0.44	1.10	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.50	0.59	1.32	0.44	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.45	0.59	1.32	0.44	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.40	0.59	1.32	0.44	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.35	0.59	1.32	0.44	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.30	0.59	1.32	0.44	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.25	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.20	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.15	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.10	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.05	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.00	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.95	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.90	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.85	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.80	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.75	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.70	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.65	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.60	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.55	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000

51.50	0.59	1.32	0.45	1.09	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.45	0.59	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.40	0.59	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.35	0.59	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.30	0.59	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.25	0.59	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.20	0.59	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.15	0.59	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.10	0.59	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.05	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.00	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.95	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.90	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.85	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.80	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.75	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.70	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.65	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.60	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.55	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.50	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.45	0.60	1.32	0.45	1.08	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.40	0.60	1.32	0.45	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.35	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.30	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.25	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.20	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.15	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.10	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.05	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.00	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.95	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.90	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.85	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.80	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.75	0.60	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.70	0.61	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.65	0.61	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.60	0.61	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.55	0.61	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.50	0.61	1.32	0.46	1.07	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.45	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.40	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.35	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.30	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.25	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.20	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.15	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.10	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.05	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.00	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.95	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.90	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.85	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.80	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.75	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.70	0.61	1.32	0.46	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.65	0.61	1.32	0.47	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.60	0.61	1.32	0.47	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.55	0.61	1.32	0.47	1.06	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.50	0.61	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.45	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.40	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.35	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.30	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.25	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.20	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.15	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.10	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.05	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.00	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.95	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.90	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000

47.85	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.80	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.75	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.70	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.65	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.60	0.62	1.32	0.47	1.05	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.55	0.62	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.50	0.62	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.45	0.62	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.40	0.62	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.35	0.62	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.30	0.63	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.25	0.63	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.20	0.63	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.15	0.63	1.32	0.47	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.10	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.05	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.00	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.95	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.90	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.85	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.80	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.75	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.70	0.63	1.32	0.48	1.04	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.65	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.60	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.55	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.50	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.45	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.40	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.35	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.30	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.25	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.20	0.63	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.15	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.10	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.05	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.00	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.95	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.90	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.85	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.80	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.75	0.64	1.32	0.48	1.03	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.70	0.64	1.32	0.48	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.65	0.64	1.32	0.48	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.60	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.55	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.50	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.45	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.40	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.35	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.30	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.25	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.20	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.15	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.10	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.05	0.64	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.00	0.65	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
44.95	0.65	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
44.90	0.65	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
44.85	0.65	1.32	0.49	1.02	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
44.80	0.65	1.32	0.49	1.02	89.20	99.45	100.00	0.000	0.0E0	0.000	0.000
44.75	0.65	1.32	0.49	1.01	89.20	97.84	100.00	0.000	0.0E0	0.000	0.000
44.70	0.65	1.32	0.49	1.01	89.20	96.23	100.00	0.000	0.0E0	0.000	0.000
44.65	0.65	1.32	0.49	1.01	89.20	94.62	100.00	0.000	0.0E0	0.000	0.000
44.60	0.65	1.32	0.49	1.01	89.20	93.01	100.00	0.000	0.0E0	0.000	0.000
44.55	0.65	1.32	0.49	1.01	89.20	91.39	100.00	0.000	0.0E0	0.000	0.000
44.50	0.65	1.32	0.49	1.01	89.20	89.78	100.00	0.000	0.0E0	0.000	0.000
44.45	0.65	1.32	0.49	1.01	89.20	88.16	100.00	0.000	0.0E0	0.000	0.000
44.40	0.65	1.32	0.49	1.01	89.20	86.54	100.00	0.000	0.0E0	0.000	0.000
44.35	0.65	1.32	0.49	1.01	89.20	84.92	100.00	0.000	0.0E0	0.000	0.000
44.30	0.65	1.32	0.49	1.01	89.20	83.30	100.00	0.000	0.0E0	0.000	0.000
44.25	0.65	1.32	0.49	1.01	89.20	81.67	100.00	0.000	0.0E0	0.000	0.000

44.20	0.65	1.32	0.49	1.01	89.20	80.05	100.00	0.000	0.0E0	0.000	0.000
44.15	0.65	1.32	0.49	1.01	89.20	78.42	100.00	0.000	0.0E0	0.000	0.000
44.10	0.65	1.32	0.50	1.01	89.20	76.79	100.00	0.000	0.0E0	0.000	0.000
44.05	0.65	1.32	0.50	1.01	89.20	75.16	100.00	0.000	0.0E0	0.000	0.000
44.00	0.65	1.32	0.50	1.01	89.20	73.53	100.00	0.000	0.0E0	0.000	0.000
43.95	0.65	1.32	0.50	1.01	89.20	71.89	100.00	0.000	0.0E0	0.000	0.000
43.90	0.66	1.32	0.50	1.01	89.20	70.26	100.00	0.000	0.0E0	0.000	0.000
43.85	0.66	1.32	0.50	1.01	89.20	68.62	100.00	0.000	0.0E0	0.000	0.000
43.80	0.66	1.32	0.50	1.00	89.20	66.98	100.00	0.000	0.0E0	0.000	0.000
43.75	0.66	1.32	0.50	1.00	89.20	65.34	100.00	0.000	0.0E0	0.000	0.000
43.70	0.66	1.32	0.50	1.00	89.20	63.70	100.00	0.000	0.0E0	0.000	0.000
43.65	0.66	1.32	0.50	1.00	89.20	62.06	100.00	0.000	0.0E0	0.000	0.000
43.60	0.66	1.32	0.50	1.00	89.20	60.41	100.00	0.000	0.0E0	0.000	0.000
43.55	0.66	1.32	0.50	1.00	89.20	58.76	100.00	0.000	0.0E0	0.000	0.000
43.50	0.66	1.32	0.50	1.00	89.20	57.12	100.00	0.000	0.0E0	0.000	0.000
43.45	0.66	1.32	0.50	1.00	89.20	55.46	100.00	0.000	0.0E0	0.000	0.000
43.40	0.66	1.32	0.50	1.00	89.20	53.81	100.00	0.000	0.0E0	0.000	0.000
43.35	0.66	1.32	0.50	1.00	89.20	52.16	100.00	0.000	0.0E0	0.000	0.000
43.30	0.66	1.32	0.50	1.00	89.20	50.50	100.00	0.000	0.0E0	0.000	0.000
43.25	0.66	1.32	0.50	1.00	89.20	48.85	100.00	0.000	0.0E0	0.000	0.000
43.20	0.66	1.32	0.50	1.00	89.20	47.19	100.00	0.000	0.0E0	0.000	0.000
43.15	0.66	1.32	0.50	1.00	89.20	45.53	100.00	0.000	0.0E0	0.000	0.000
43.10	0.66	1.32	0.50	1.00	89.20	43.86	100.00	0.000	0.0E0	0.000	0.000
43.05	0.66	1.32	0.50	1.00	89.20	42.20	100.00	0.000	0.0E0	0.000	0.000
43.00	0.66	1.32	0.50	1.00	89.20	40.54	100.00	0.000	0.0E0	0.000	0.000
42.95	0.66	1.32	0.50	1.00	89.20	38.87	100.00	0.000	0.0E0	0.000	0.000
42.90	0.66	1.32	0.50	1.00	89.20	37.20	100.00	0.000	0.0E0	0.000	0.000
42.85	0.66	1.32	0.50	1.00	89.20	35.53	100.00	0.135	8.1E-4	0.001	0.001
42.80	0.66	1.32	0.50	1.00	89.20	33.86	99.51	0.188	1.1E-3	0.001	0.002
42.75	0.66	1.32	0.50	0.99	89.20	32.18	95.22	0.456	2.7E-3	0.003	0.005
42.70	0.67	1.32	0.50	0.99	89.20	30.51	91.22	0.685	4.1E-3	0.004	0.009
42.65	0.67	1.32	0.50	0.73	89.20	28.83	87.48	0.898	5.4E-3	0.005	0.014
42.60	0.67	1.32	0.51	0.64	89.20	27.15	83.96	1.055	6.3E-3	0.006	0.021
42.55	0.67	1.32	0.51	0.58	89.20	25.47	80.63	1.160	7.0E-3	0.007	0.027
42.50	0.67	1.32	0.51	0.52	89.20	23.80	77.46	1.264	7.6E-3	0.008	0.035
42.45	0.67	1.32	0.51	0.52	89.20	23.81	77.48	1.264	7.6E-3	0.008	0.043
42.40	0.67	1.32	0.51	0.52	89.20	23.82	77.49	1.263	7.6E-3	0.008	0.050
42.35	0.67	1.32	0.51	0.52	89.20	23.83	77.51	1.263	7.6E-3	0.008	0.058
42.30	0.67	1.32	0.51	0.52	89.20	23.84	77.53	1.262	7.6E-3	0.008	0.065
42.25	0.67	1.32	0.51	0.52	89.20	23.85	77.55	1.261	7.6E-3	0.008	0.073
42.20	0.67	1.32	0.51	0.52	89.20	23.86	77.56	1.261	7.6E-3	0.008	0.080
42.15	0.67	1.32	0.51	0.52	89.20	23.87	77.58	1.260	7.6E-3	0.008	0.088
42.10	0.67	1.32	0.51	0.52	89.20	23.88	77.60	1.260	7.6E-3	0.008	0.096
42.05	0.67	1.32	0.51	0.52	89.20	23.89	77.62	1.259	7.6E-3	0.008	0.103
42.00	0.67	1.32	0.51	0.52	89.20	23.90	77.63	1.259	7.6E-3	0.008	0.111
41.95	0.67	1.32	0.51	0.52	89.20	23.91	77.65	1.258	7.5E-3	0.008	0.118
41.90	0.67	1.32	0.51	0.52	89.20	23.92	77.67	1.257	7.5E-3	0.008	0.126
41.85	0.67	1.32	0.51	0.52	89.20	23.92	77.69	1.257	7.5E-3	0.008	0.133
41.80	0.67	1.32	0.51	0.52	89.20	23.93	77.70	1.256	7.5E-3	0.008	0.141
41.75	0.67	1.32	0.51	0.52	89.20	23.94	77.72	1.256	7.5E-3	0.008	0.148
41.70	0.67	1.32	0.51	0.52	89.20	23.95	77.74	1.255	7.5E-3	0.008	0.156
41.65	0.67	1.32	0.51	0.52	89.20	23.96	77.76	1.254	7.5E-3	0.008	0.163
41.60	0.67	1.32	0.51	0.52	89.20	23.97	77.77	1.254	7.5E-3	0.008	0.171
41.55	0.68	1.32	0.51	0.52	89.20	23.98	77.79	1.253	7.5E-3	0.008	0.179
41.50	0.68	1.32	0.51	0.52	89.20	23.99	77.81	1.253	7.5E-3	0.008	0.186
41.45	0.68	1.32	0.51	0.52	89.20	24.00	77.83	1.252	7.5E-3	0.008	0.194
41.40	0.68	1.32	0.51	0.52	89.20	24.01	77.85	1.251	7.5E-3	0.008	0.201
41.35	0.68	1.32	0.51	0.52	89.20	24.02	77.86	1.251	7.5E-3	0.008	0.209
41.30	0.68	1.32	0.51	0.52	89.20	24.03	77.88	1.250	7.5E-3	0.008	0.216
41.25	0.68	1.32	0.51	0.52	89.20	24.04	77.90	1.250	7.5E-3	0.007	0.224
41.20	0.68	1.32	0.51	0.52	89.20	24.05	77.92	1.249	7.5E-3	0.007	0.231
41.15	0.68	1.32	0.51	0.52	89.20	24.06	77.93	1.248	7.5E-3	0.007	0.239
41.10	0.68	1.32	0.51	0.52	89.20	24.07	77.95	1.248	7.5E-3	0.007	0.246
41.05	0.68	1.32	0.52	0.52	89.20	24.08	77.97	1.247	7.5E-3	0.007	0.254
41.00	0.68	1.32	0.52	0.52	89.20	24.09	77.99	1.247	7.5E-3	0.007	0.261
40.95	0.68	1.32	0.52	0.52	89.20	24.10	78.01	1.246	7.5E-3	0.007	0.268
40.90	0.68	1.32	0.52	0.52	89.20	24.11	78.02	1.245	7.5E-3	0.007	0.276
40.85	0.68	1.32	0.52	0.52	89.20	24.11	78.04	1.245	7.5E-3	0.007	0.283
40.80	0.68	1.32	0.52	0.52	89.20	24.12	78.06	1.244	7.5E-3	0.007	0.291
40.75	0.68	1.32	0.52	0.52	89.20	24.13	78.08	1.244	7.5E-3	0.007	0.298
40.70	0.68	1.32	0.52	0.52	89.20	24.14	78.10	1.243	7.5E-3	0.007	0.306
40.65	0.68	1.32	0.52	0.52	89.20	24.15	78.11	1.242	7.5E-3	0.007	0.313
40.60	0.68	1.32	0.52	0.52	89.20	24.16	78.13	1.242	7.5E-3	0.007	0.321

40.55	0.68	1.32	0.52	0.52	89.20	24.17	78.15	1.241	7.4E-3	0.007	0.328
40.50	0.68	1.32	0.52	0.52	89.20	24.18	78.17	1.241	7.4E-3	0.007	0.336
40.45	0.68	1.32	0.52	0.52	89.20	24.19	78.19	1.240	7.4E-3	0.007	0.343
40.40	0.69	1.32	0.52	0.52	89.20	24.20	78.20	1.239	7.4E-3	0.007	0.350
40.35	0.69	1.32	0.52	0.52	89.20	24.21	78.22	1.239	7.4E-3	0.007	0.358
40.30	0.69	1.32	0.52	0.52	89.20	24.22	78.24	1.238	7.4E-3	0.007	0.365
40.25	0.69	1.32	0.52	0.52	89.20	24.23	78.26	1.238	7.4E-3	0.007	0.373
40.20	0.69	1.32	0.52	0.52	89.20	24.24	78.28	1.237	7.4E-3	0.007	0.380
40.15	0.69	1.32	0.52	0.52	89.20	24.25	78.30	1.236	7.4E-3	0.007	0.388
40.10	0.69	1.32	0.52	0.52	89.20	24.26	78.31	1.236	7.4E-3	0.007	0.395
40.05	0.69	1.32	0.52	0.52	89.20	24.27	78.33	1.235	7.4E-3	0.007	0.402
40.00	0.69	1.32	0.52	0.52	89.20	24.28	78.35	1.235	7.4E-3	0.007	0.410
39.95	0.69	1.32	0.52	0.52	89.20	24.29	78.37	1.234	7.4E-3	0.007	0.417
39.90	0.69	1.32	0.52	0.52	89.20	24.30	78.39	1.233	7.4E-3	0.007	0.425
39.85	0.69	1.32	0.52	0.52	89.20	24.31	78.41	1.233	7.4E-3	0.007	0.432
39.80	0.69	1.32	0.52	0.52	89.20	24.32	78.42	1.232	7.4E-3	0.007	0.439
39.75	0.69	1.32	0.52	0.52	89.20	24.33	78.44	1.232	7.4E-3	0.007	0.447
39.70	0.69	1.32	0.52	0.52	89.20	24.34	78.46	1.231	7.4E-3	0.007	0.454
39.65	0.69	1.32	0.52	0.52	89.20	24.35	78.48	1.230	7.4E-3	0.007	0.462
39.60	0.69	1.32	0.52	0.52	89.20	24.36	78.50	1.230	7.4E-3	0.007	0.469
39.55	0.69	1.32	0.53	0.52	89.20	24.37	78.52	1.229	7.4E-3	0.007	0.476
39.50	0.69	1.32	0.53	0.52	89.20	24.38	78.54	1.228	7.4E-3	0.007	0.484
39.45	0.69	1.32	0.53	0.52	89.20	24.39	78.55	1.228	7.4E-3	0.007	0.491
39.40	0.69	1.32	0.53	0.52	89.20	24.40	78.57	1.227	7.4E-3	0.007	0.498
39.35	0.69	1.32	0.53	0.52	89.20	24.41	78.59	1.227	7.4E-3	0.007	0.506
39.30	0.69	1.32	0.53	0.52	89.20	24.42	78.61	1.226	7.4E-3	0.007	0.513
39.25	0.70	1.32	0.53	0.52	89.20	24.43	78.63	1.225	7.4E-3	0.007	0.521
39.20	0.70	1.32	0.53	0.52	89.20	24.44	78.65	1.225	7.3E-3	0.007	0.528
39.15	0.70	1.32	0.53	0.52	89.20	24.45	78.67	1.224	7.3E-3	0.007	0.535
39.10	0.70	1.32	0.53	0.52	89.20	24.46	78.69	1.224	7.3E-3	0.007	0.543
39.05	0.70	1.32	0.53	0.52	89.20	24.47	78.70	1.223	7.3E-3	0.007	0.550
39.00	0.70	1.32	0.53	0.52	89.20	24.48	78.72	1.222	7.3E-3	0.007	0.557
38.95	0.70	1.32	0.53	0.52	89.20	24.49	78.74	1.222	7.3E-3	0.007	0.565
38.90	0.70	1.32	0.53	0.52	89.20	24.50	78.76	1.221	7.3E-3	0.007	0.572
38.85	0.70	1.32	0.53	0.52	89.20	24.51	78.78	1.220	7.3E-3	0.007	0.579
38.80	0.70	1.32	0.53	0.52	89.20	24.52	78.80	1.220	7.3E-3	0.007	0.587
38.75	0.70	1.32	0.53	0.52	89.20	24.53	78.82	1.219	7.3E-3	0.007	0.594
38.70	0.70	1.32	0.53	0.52	89.20	24.54	78.84	1.219	7.3E-3	0.007	0.601
38.65	0.70	1.32	0.53	0.52	89.20	24.55	78.85	1.218	7.3E-3	0.007	0.608
38.60	0.70	1.32	0.53	0.52	89.20	24.56	78.87	1.217	7.3E-3	0.007	0.616
38.55	0.70	1.32	0.53	0.52	89.20	24.57	78.89	1.217	7.3E-3	0.007	0.623
38.50	0.70	1.32	0.53	0.52	89.20	24.58	78.91	1.216	7.3E-3	0.007	0.630
38.45	0.70	1.32	0.53	0.52	89.20	24.59	78.93	1.215	7.3E-3	0.007	0.638
38.40	0.70	1.32	0.53	0.52	89.20	24.60	78.95	1.215	7.3E-3	0.007	0.645
38.35	0.70	1.32	0.53	0.52	89.20	24.61	78.97	1.214	7.3E-3	0.007	0.652
38.30	0.70	1.32	0.53	0.52	89.20	24.62	78.99	1.214	7.3E-3	0.007	0.660
38.25	0.70	1.32	0.53	0.52	89.20	24.63	79.01	1.213	7.3E-3	0.007	0.667
38.20	0.70	1.32	0.53	0.52	89.20	24.64	79.03	1.212	7.3E-3	0.007	0.674
38.15	0.70	1.32	0.53	0.52	89.20	24.65	79.05	1.212	7.3E-3	0.007	0.681
38.10	0.71	1.32	0.53	0.52	89.20	24.66	79.06	1.211	7.3E-3	0.007	0.689
38.05	0.71	1.32	0.53	0.52	89.20	24.67	79.08	1.210	7.3E-3	0.007	0.696
38.00	0.71	1.32	0.54	0.52	89.20	24.68	79.10	1.210	7.3E-3	0.007	0.703
37.95	0.71	1.32	0.54	0.52	89.20	24.69	79.12	1.209	7.3E-3	0.007	0.710
37.90	0.71	1.32	0.54	0.52	89.20	24.70	79.14	1.208	7.3E-3	0.007	0.718
37.85	0.71	1.32	0.54	0.52	89.20	24.71	79.16	1.208	7.2E-3	0.007	0.725
37.80	0.71	1.32	0.54	0.52	89.20	24.72	79.18	1.207	7.2E-3	0.007	0.732
37.75	0.71	1.32	0.54	0.52	89.20	24.73	79.20	1.207	7.2E-3	0.007	0.739
37.70	0.71	1.32	0.54	0.52	89.20	24.74	79.22	1.206	7.2E-3	0.007	0.747
37.65	0.71	1.32	0.54	0.52	89.20	24.75	79.24	1.205	7.2E-3	0.007	0.754
37.60	0.71	1.32	0.54	0.52	89.20	24.76	79.26	1.205	7.2E-3	0.007	0.761
37.55	0.71	1.32	0.54	0.52	89.20	24.77	79.28	1.204	7.2E-3	0.007	0.768
37.50	0.71	1.32	0.54	0.52	89.20	24.78	79.30	1.203	7.2E-3	0.007	0.775
37.45	0.71	1.32	0.54	0.52	89.32	24.77	79.28	1.204	7.2E-3	0.007	0.783
37.40	0.71	1.32	0.54	0.52	89.44	24.76	79.26	1.205	7.2E-3	0.007	0.790
37.35	0.71	1.32	0.54	0.52	89.55	24.75	79.24	1.205	7.2E-3	0.007	0.797
37.30	0.71	1.32	0.54	0.52	89.67	24.74	79.22	1.206	7.2E-3	0.007	0.804
37.25	0.71	1.32	0.54	0.52	89.79	24.73	79.21	1.206	7.2E-3	0.007	0.812
37.20	0.71	1.32	0.54	0.51	89.91	24.72	79.19	1.207	7.2E-3	0.007	0.819
37.15	0.71	1.32	0.54	0.51	90.03	24.71	79.17	1.208	7.2E-3	0.007	0.826
37.10	0.71	1.32	0.54	0.51	90.14	24.70	79.15	1.208	7.2E-3	0.007	0.833
37.05	0.71	1.32	0.54	0.51	90.26	24.69	79.13	1.209	7.3E-3	0.007	0.841
37.00	0.71	1.32	0.54	0.51	90.38	24.68	79.11	1.209	7.3E-3	0.007	0.848
36.95	0.72	1.32	0.54	0.51	90.50	24.67	79.10	1.210	7.3E-3	0.007	0.855

36.90	0.72	1.32	0.54	0.51	90.62	24.66	79.08	1.211	7.3E-3	0.007	0.862
36.85	0.72	1.32	0.54	0.51	90.73	24.65	79.06	1.211	7.3E-3	0.007	0.870
36.80	0.72	1.32	0.54	0.51	90.85	24.64	79.04	1.212	7.3E-3	0.007	0.877
36.75	0.72	1.32	0.54	0.51	90.97	24.63	79.02	1.212	7.3E-3	0.007	0.884
36.70	0.72	1.32	0.54	0.51	91.09	24.62	79.00	1.213	7.3E-3	0.007	0.891
36.65	0.72	1.32	0.54	0.51	91.21	24.61	78.99	1.214	7.3E-3	0.007	0.899
36.60	0.72	1.32	0.54	0.51	91.32	24.61	78.97	1.214	7.3E-3	0.007	0.906
36.55	0.72	1.32	0.54	0.51	91.44	24.60	78.95	1.215	7.3E-3	0.007	0.913
36.50	0.72	1.32	0.55	0.51	91.56	24.59	78.93	1.215	7.3E-3	0.007	0.921
36.45	0.72	1.32	0.55	0.51	91.68	24.58	78.91	1.216	7.3E-3	0.007	0.928
36.40	0.72	1.32	0.55	0.51	91.80	24.57	78.89	1.217	7.3E-3	0.007	0.935
36.35	0.72	1.32	0.55	0.50	91.91	24.56	78.87	1.217	7.3E-3	0.007	0.943
36.30	0.72	1.32	0.55	0.50	92.03	24.55	78.86	1.218	7.3E-3	0.007	0.950
36.25	0.72	1.32	0.55	0.50	92.15	24.54	78.84	1.219	7.3E-3	0.007	0.957
36.20	0.72	1.32	0.55	0.50	92.27	24.53	78.82	1.219	7.3E-3	0.007	0.964
36.15	0.72	1.32	0.55	0.50	92.39	24.52	78.80	1.220	7.3E-3	0.007	0.972
36.10	0.72	1.32	0.55	0.50	92.50	24.51	78.78	1.220	7.3E-3	0.007	0.979
36.05	0.72	1.32	0.55	0.50	92.62	24.50	78.76	1.221	7.3E-3	0.007	0.986
36.00	0.72	1.32	0.55	0.50	92.74	24.49	78.74	1.222	7.3E-3	0.007	0.994
35.95	0.72	1.32	0.55	0.50	92.86	24.48	78.73	1.222	7.3E-3	0.007	1.001
35.90	0.72	1.32	0.55	0.50	92.98	24.47	78.71	1.223	7.3E-3	0.007	1.008
35.85	0.72	1.32	0.55	0.50	93.09	24.46	78.69	1.223	7.3E-3	0.007	1.016
35.80	0.73	1.32	0.55	0.50	93.21	24.45	78.67	1.224	7.3E-3	0.007	1.023
35.75	0.73	1.32	0.55	0.50	93.33	24.44	78.65	1.225	7.3E-3	0.007	1.030
35.70	0.73	1.32	0.55	0.50	93.45	24.43	78.63	1.225	7.4E-3	0.007	1.038
35.65	0.73	1.32	0.55	0.50	93.57	24.42	78.61	1.226	7.4E-3	0.007	1.045
35.60	0.73	1.32	0.55	0.50	93.68	24.41	78.59	1.227	7.4E-3	0.007	1.053
35.55	0.73	1.32	0.55	0.50	93.80	24.40	78.58	1.227	7.4E-3	0.007	1.060
35.50	0.73	1.32	0.55	0.49	93.92	24.39	78.56	1.228	7.4E-3	0.007	1.067
35.45	0.73	1.32	0.55	0.49	94.04	24.38	78.54	1.228	7.4E-3	0.007	1.075
35.40	0.73	1.32	0.55	0.49	94.16	24.37	78.52	1.229	7.4E-3	0.007	1.082
35.35	0.73	1.32	0.55	0.49	94.27	24.36	78.50	1.230	7.4E-3	0.007	1.089
35.30	0.73	1.32	0.55	0.49	94.39	24.35	78.48	1.230	7.4E-3	0.007	1.097
35.25	0.73	1.32	0.55	0.49	94.51	24.34	78.46	1.231	7.4E-3	0.007	1.104
35.20	0.73	1.32	0.55	0.49	94.63	24.33	78.44	1.232	7.4E-3	0.007	1.112
35.15	0.73	1.32	0.55	0.49	94.75	24.32	78.43	1.232	7.4E-3	0.007	1.119
35.10	0.73	1.32	0.55	0.49	94.86	24.31	78.41	1.233	7.4E-3	0.007	1.126
35.05	0.73	1.32	0.55	0.49	94.98	24.30	78.39	1.233	7.4E-3	0.007	1.134
35.00	0.73	1.32	0.56	0.49	95.10	24.29	78.37	1.234	7.4E-3	0.007	1.141
34.95	0.73	1.32	0.56	0.49	95.22	24.28	78.35	1.235	7.4E-3	0.007	1.149
34.90	0.73	1.32	0.56	0.49	95.34	24.27	78.33	1.235	7.4E-3	0.007	1.156
34.85	0.73	1.32	0.56	0.49	95.45	24.26	78.31	1.236	7.4E-3	0.007	1.163
34.80	0.73	1.32	0.56	0.49	95.57	24.25	78.29	1.237	7.4E-3	0.007	1.171
34.75	0.73	1.32	0.56	0.49	95.69	24.24	78.27	1.237	7.4E-3	0.007	1.178
34.70	0.74	1.32	0.56	0.49	95.81	24.23	78.25	1.238	7.4E-3	0.007	1.186
34.65	0.74	1.32	0.56	0.48	95.93	24.22	78.24	1.238	7.4E-3	0.007	1.193
34.60	0.74	1.32	0.56	0.48	96.04	24.21	78.22	1.239	7.4E-3	0.007	1.201
34.55	0.74	1.32	0.56	0.48	96.16	24.20	78.20	1.240	7.4E-3	0.007	1.208
34.50	0.74	1.32	0.56	0.48	96.28	24.19	78.18	1.240	7.4E-3	0.007	1.215
34.45	0.74	1.32	0.56	0.48	96.40	24.18	78.16	1.241	7.4E-3	0.007	1.223
34.40	0.74	1.32	0.56	0.48	96.52	24.17	78.14	1.242	7.4E-3	0.007	1.230
34.35	0.74	1.32	0.56	0.48	96.63	24.16	78.12	1.242	7.5E-3	0.007	1.238
34.30	0.74	1.32	0.56	0.48	96.75	24.15	78.10	1.243	7.5E-3	0.007	1.245
34.25	0.74	1.32	0.56	0.48	96.87	24.14	78.08	1.244	7.5E-3	0.007	1.253
34.20	0.74	1.32	0.56	0.48	96.99	24.13	78.06	1.244	7.5E-3	0.007	1.260
34.15	0.74	1.32	0.56	0.48	97.11	24.12	78.04	1.245	7.5E-3	0.007	1.268
34.10	0.74	1.32	0.56	0.48	97.22	24.11	78.02	1.245	7.5E-3	0.007	1.275
34.05	0.74	1.32	0.56	0.48	97.34	24.10	78.01	1.246	7.5E-3	0.007	1.283
34.00	0.74	1.32	0.56	0.48	97.46	24.08	77.99	1.247	7.5E-3	0.007	1.290
33.95	0.74	1.32	0.56	0.48	97.58	24.07	77.97	1.247	7.5E-3	0.007	1.298
33.90	0.74	1.32	0.56	0.48	97.70	24.06	77.95	1.248	7.5E-3	0.007	1.305
33.85	0.74	1.32	0.56	0.48	97.81	24.05	77.93	1.249	7.5E-3	0.007	1.312
33.80	0.74	1.32	0.56	0.48	97.93	24.04	77.91	1.249	7.5E-3	0.007	1.320
33.75	0.74	1.32	0.56	0.47	98.05	24.03	77.89	1.250	7.5E-3	0.007	1.327
33.70	0.74	1.32	0.56	0.47	98.17	24.02	77.87	1.251	7.5E-3	0.008	1.335
33.65	0.74	1.32	0.56	0.47	98.29	24.01	77.85	1.251	7.5E-3	0.008	1.343
33.60	0.74	1.32	0.56	0.47	98.40	24.00	77.83	1.252	7.5E-3	0.008	1.350
33.55	0.75	1.32	0.57	0.47	98.52	23.99	77.81	1.253	7.5E-3	0.008	1.358
33.50	0.75	1.32	0.57	0.47	98.64	23.98	77.79	1.253	7.5E-3	0.008	1.365
33.45	0.75	1.32	0.57	0.47	98.76	23.97	77.77	1.254	7.5E-3	0.008	1.373
33.40	0.75	1.32	0.57	0.47	98.88	23.96	77.75	1.255	7.5E-3	0.008	1.380
33.35	0.75	1.32	0.57	0.47	98.99	23.95	77.73	1.255	7.5E-3	0.008	1.388
33.30	0.75	1.32	0.57	0.47	99.11	23.94	77.71	1.256	7.5E-3	0.008	1.395

33.25	0.75	1.32	0.57	0.47	99.23	23.93	77.69	1.256	7.5E-3	0.008	1.403
33.20	0.75	1.32	0.57	0.47	99.35	23.92	77.68	1.257	7.5E-3	0.008	1.410
33.15	0.75	1.32	0.57	0.47	99.47	23.91	77.66	1.258	7.5E-3	0.008	1.418
33.10	0.75	1.32	0.57	0.47	99.58	23.90	77.64	1.258	7.6E-3	0.008	1.425
33.05	0.75	1.32	0.57	0.47	99.70	23.89	77.62	1.259	7.6E-3	0.008	1.433
33.00	0.75	1.32	0.57	0.47	99.82	23.88	77.60	1.260	7.6E-3	0.008	1.440
32.95	0.75	1.32	0.57	0.47	99.94	23.87	77.58	1.260	7.6E-3	0.008	1.448
32.90	0.75	1.32	0.57	0.47	NoLiq	23.86	77.56	1.261	0.0E0	0.000	1.448
32.85	0.75	1.32	0.57	0.47	NoLiq	23.85	77.54	1.262	0.0E0	0.000	1.448
32.80	0.75	1.32	0.57	0.46	NoLiq	23.83	77.52	1.262	0.0E0	0.000	1.448
32.75	0.75	1.32	0.57	0.46	NoLiq	23.82	77.50	1.263	0.0E0	0.000	1.448
32.70	0.75	1.32	0.57	0.46	NoLiq	23.81	77.48	1.264	0.0E0	0.000	1.448
32.65	0.75	1.32	0.57	0.46	NoLiq	23.80	77.46	1.264	0.0E0	0.000	1.448
32.60	0.75	1.32	0.57	0.46	NoLiq	23.79	77.44	1.265	0.0E0	0.000	1.448
32.55	0.75	1.32	0.57	0.46	NoLiq	23.78	77.42	1.266	0.0E0	0.000	1.448
32.50	0.75	1.32	0.57	5.00	NoLiq	23.77	77.40	1.266	0.0E0	0.000	1.448
32.45	0.76	1.32	0.57	5.00	NoLiq	23.78	77.42	1.266	0.0E0	0.000	1.448
32.40	0.76	1.32	0.57	5.00	NoLiq	23.79	77.44	1.265	0.0E0	0.000	1.448
32.35	0.76	1.32	0.57	5.00	NoLiq	23.80	77.46	1.264	0.0E0	0.000	1.448
32.30	0.76	1.32	0.57	5.00	NoLiq	23.81	77.48	1.264	0.0E0	0.000	1.448
32.25	0.76	1.32	0.57	5.00	NoLiq	23.82	77.50	1.263	0.0E0	0.000	1.448
32.20	0.76	1.32	0.57	5.00	NoLiq	23.83	77.51	1.263	0.0E0	0.000	1.448
32.15	0.76	1.32	0.57	5.00	NoLiq	23.84	77.53	1.262	0.0E0	0.000	1.448
32.10	0.76	1.32	0.57	5.00	NoLiq	23.85	77.55	1.261	0.0E0	0.000	1.448
32.05	0.76	1.32	0.58	5.00	NoLiq	23.86	77.57	1.261	0.0E0	0.000	1.448
32.00	0.76	1.32	0.58	5.00	NoLiq	23.87	77.59	1.260	0.0E0	0.000	1.448
31.95	0.76	1.32	0.58	5.00	NoLiq	23.88	77.61	1.259	0.0E0	0.000	1.448
31.90	0.76	1.32	0.58	5.00	NoLiq	23.90	77.63	1.259	0.0E0	0.000	1.448
31.85	0.76	1.32	0.58	5.00	NoLiq	23.91	77.65	1.258	0.0E0	0.000	1.448
31.80	0.76	1.32	0.58	5.00	NoLiq	23.92	77.67	1.257	0.0E0	0.000	1.448
31.75	0.76	1.32	0.58	5.00	NoLiq	23.93	77.69	1.257	0.0E0	0.000	1.448
31.70	0.76	1.32	0.58	5.00	NoLiq	23.94	77.71	1.256	0.0E0	0.000	1.448
31.65	0.76	1.32	0.58	5.00	NoLiq	23.95	77.73	1.255	0.0E0	0.000	1.448
31.60	0.76	1.32	0.58	5.00	NoLiq	23.96	77.75	1.255	0.0E0	0.000	1.448
31.55	0.76	1.32	0.58	5.00	NoLiq	23.97	77.77	1.254	0.0E0	0.000	1.448
31.50	0.76	1.32	0.58	5.00	NoLiq	23.98	77.79	1.253	0.0E0	0.000	1.448
31.45	0.76	1.32	0.58	5.00	NoLiq	23.99	77.81	1.253	0.0E0	0.000	1.448
31.40	0.76	1.32	0.58	5.00	NoLiq	24.00	77.83	1.252	0.0E0	0.000	1.448
31.35	0.77	1.32	0.58	5.00	NoLiq	24.01	77.85	1.251	0.0E0	0.000	1.448
31.30	0.77	1.32	0.58	5.00	NoLiq	24.02	77.87	1.251	0.0E0	0.000	1.448
31.25	0.77	1.32	0.58	5.00	NoLiq	24.03	77.89	1.250	0.0E0	0.000	1.448
31.20	0.77	1.32	0.58	5.00	NoLiq	24.04	77.91	1.249	0.0E0	0.000	1.448
31.15	0.77	1.32	0.58	5.00	NoLiq	24.05	77.93	1.249	0.0E0	0.000	1.448
31.10	0.77	1.32	0.58	5.00	NoLiq	24.06	77.95	1.248	0.0E0	0.000	1.448
31.05	0.77	1.32	0.58	5.00	NoLiq	24.08	77.97	1.247	0.0E0	0.000	1.448
31.00	0.77	1.32	0.58	5.00	NoLiq	24.09	77.99	1.247	0.0E0	0.000	1.448
30.95	0.77	1.32	0.58	5.00	NoLiq	24.10	78.01	1.246	0.0E0	0.000	1.448
30.90	0.77	1.32	0.58	5.00	NoLiq	24.11	78.03	1.245	0.0E0	0.000	1.448
30.85	0.77	1.32	0.58	5.00	NoLiq	24.12	78.05	1.245	0.0E0	0.000	1.448
30.80	0.77	1.32	0.58	5.00	NoLiq	24.13	78.07	1.244	0.0E0	0.000	1.448
30.75	0.77	1.32	0.58	5.00	NoLiq	24.14	78.09	1.243	0.0E0	0.000	1.448
30.70	0.77	1.32	0.58	5.00	NoLiq	24.15	78.11	1.243	0.0E0	0.000	1.448
30.65	0.77	1.32	0.59	5.00	NoLiq	24.16	78.13	1.242	0.0E0	0.000	1.448
30.60	0.77	1.32	0.59	5.00	NoLiq	24.17	78.15	1.241	0.0E0	0.000	1.448
30.55	0.77	1.32	0.59	5.00	NoLiq	24.18	78.17	1.241	0.0E0	0.000	1.448
30.50	0.77	1.32	0.59	5.00	NoLiq	24.20	78.19	1.240	0.0E0	0.000	1.448
30.45	0.77	1.32	0.59	5.00	NoLiq	24.21	78.21	1.239	0.0E0	0.000	1.448
30.40	0.77	1.32	0.59	5.00	NoLiq	24.22	78.24	1.238	0.0E0	0.000	1.448
30.35	0.77	1.32	0.59	5.00	NoLiq	24.23	78.26	1.238	0.0E0	0.000	1.448
30.30	0.78	1.32	0.59	5.00	NoLiq	24.24	78.28	1.237	0.0E0	0.000	1.448
30.25	0.78	1.32	0.59	5.00	NoLiq	24.25	78.30	1.236	0.0E0	0.000	1.448
30.20	0.78	1.32	0.59	5.00	NoLiq	24.26	78.32	1.236	0.0E0	0.000	1.448
30.15	0.78	1.32	0.59	5.00	NoLiq	24.27	78.34	1.235	0.0E0	0.000	1.448
30.10	0.78	1.32	0.59	5.00	NoLiq	24.28	78.36	1.234	0.0E0	0.000	1.448
30.05	0.78	1.32	0.59	5.00	NoLiq	24.30	78.38	1.234	0.0E0	0.000	1.448
30.00	0.78	1.32	0.59	5.00	NoLiq	24.31	78.40	1.233	0.0E0	0.000	1.448
29.95	0.78	1.32	0.59	5.00	NoLiq	24.32	78.42	1.232	0.0E0	0.000	1.448
29.90	0.78	1.32	0.59	5.00	NoLiq	24.33	78.45	1.231	0.0E0	0.000	1.448
29.85	0.78	1.32	0.59	5.00	NoLiq	24.34	78.47	1.231	0.0E0	0.000	1.448
29.80	0.78	1.32	0.59	5.00	NoLiq	24.35	78.49	1.230	0.0E0	0.000	1.448
29.75	0.78	1.32	0.59	5.00	NoLiq	24.36	78.51	1.229	0.0E0	0.000	1.448
29.70	0.78	1.32	0.59	5.00	NoLiq	24.38	78.53	1.229	0.0E0	0.000	1.448
29.65	0.78	1.32	0.59	5.00	NoLiq	24.39	78.55	1.228	0.0E0	0.000	1.448

29.60	0.78	1.32	0.59	5.00	NoLiq	24.40	78.57	1.227	0.0E0	0.000	1.448
29.55	0.78	1.32	0.59	5.00	NoLiq	24.41	78.60	1.226	0.0E0	0.000	1.448
29.50	0.78	1.32	0.59	5.00	NoLiq	24.42	78.62	1.226	0.0E0	0.000	1.448
29.45	0.78	1.32	0.59	5.00	NoLiq	24.43	78.64	1.225	0.0E0	0.000	1.448
29.40	0.78	1.32	0.59	5.00	NoLiq	24.44	78.66	1.224	0.0E0	0.000	1.448
29.35	0.78	1.32	0.59	5.00	NoLiq	24.46	78.68	1.224	0.0E0	0.000	1.448
29.30	0.78	1.32	0.59	5.00	NoLiq	24.47	78.70	1.223	0.0E0	0.000	1.448
29.25	0.78	1.32	0.59	5.00	NoLiq	24.48	78.73	1.222	0.0E0	0.000	1.448
29.20	0.78	1.32	0.59	5.00	NoLiq	24.49	78.75	1.221	0.0E0	0.000	1.448
29.15	0.78	1.32	0.59	5.00	NoLiq	24.50	78.77	1.221	0.0E0	0.000	1.448
29.10	0.78	1.32	0.59	5.00	NoLiq	24.51	78.79	1.220	0.0E0	0.000	1.448
29.05	0.78	1.32	0.59	5.00	NoLiq	24.52	78.81	1.219	0.0E0	0.000	1.448
29.00	0.78	1.32	0.59	5.00	NoLiq	24.54	78.84	1.219	0.0E0	0.000	1.448
28.95	0.78	1.32	0.59	5.00	NoLiq	24.55	78.86	1.218	0.0E0	0.000	1.448
28.90	0.78	1.32	0.59	5.00	NoLiq	24.56	78.88	1.217	0.0E0	0.000	1.448
28.85	0.78	1.32	0.59	5.00	NoLiq	24.57	78.90	1.216	0.0E0	0.000	1.448
28.80	0.78	1.32	0.59	5.00	NoLiq	24.58	78.93	1.216	0.0E0	0.000	1.448
28.75	0.78	1.32	0.59	5.00	NoLiq	24.60	78.95	1.215	0.0E0	0.000	1.448
28.70	0.78	1.32	0.59	5.00	NoLiq	24.61	78.97	1.214	0.0E0	0.000	1.448
28.65	0.78	1.32	0.60	5.00	NoLiq	24.62	78.99	1.213	0.0E0	0.000	1.448
28.60	0.79	1.32	0.60	5.00	NoLiq	24.63	79.02	1.213	0.0E0	0.000	1.448
28.55	0.79	1.32	0.60	5.00	NoLiq	24.64	79.04	1.212	0.0E0	0.000	1.448
28.50	0.79	1.32	0.60	5.00	NoLiq	24.65	79.06	1.211	0.0E0	0.000	1.448
28.45	0.79	1.32	0.60	5.00	NoLiq	24.67	79.08	1.210	0.0E0	0.000	1.448
28.40	0.79	1.32	0.60	5.00	NoLiq	24.68	79.11	1.210	0.0E0	0.000	1.448
28.35	0.79	1.32	0.60	5.00	NoLiq	24.69	79.13	1.209	0.0E0	0.000	1.448
28.30	0.79	1.32	0.60	5.00	NoLiq	24.70	79.15	1.208	0.0E0	0.000	1.448
28.25	0.79	1.32	0.60	5.00	NoLiq	24.71	79.17	1.207	0.0E0	0.000	1.448
28.20	0.79	1.32	0.60	5.00	NoLiq	24.73	79.20	1.207	0.0E0	0.000	1.448
28.15	0.79	1.32	0.60	5.00	NoLiq	24.74	79.22	1.206	0.0E0	0.000	1.448
28.10	0.79	1.32	0.60	5.00	NoLiq	24.75	79.24	1.205	0.0E0	0.000	1.448
28.05	0.79	1.32	0.60	5.00	NoLiq	24.76	79.27	1.204	0.0E0	0.000	1.448
28.00	0.79	1.32	0.60	5.00	NoLiq	24.78	79.29	1.204	0.0E0	0.000	1.448
27.95	0.79	1.32	0.60	5.00	NoLiq	24.79	79.31	1.203	0.0E0	0.000	1.448
27.90	0.79	1.32	0.60	5.00	NoLiq	24.80	79.34	1.202	0.0E0	0.000	1.448
27.85	0.79	1.32	0.60	5.00	NoLiq	23.82	77.49	1.263	0.0E0	0.000	1.448
27.80	0.79	1.32	0.60	5.00	NoLiq	23.83	77.52	1.262	0.0E0	0.000	1.448
27.75	0.79	1.32	0.60	5.00	NoLiq	23.85	77.54	1.262	0.0E0	0.000	1.448
27.70	0.79	1.32	0.60	5.00	NoLiq	23.86	77.56	1.261	0.0E0	0.000	1.448
27.65	0.79	1.32	0.60	5.00	NoLiq	23.87	77.58	1.260	0.0E0	0.000	1.448
27.60	0.79	1.32	0.60	5.00	NoLiq	23.88	77.60	1.260	0.0E0	0.000	1.448
27.55	0.79	1.32	0.60	5.00	NoLiq	23.89	77.63	1.259	0.0E0	0.000	1.448
27.50	0.79	1.32	0.60	5.00	NoLiq	23.90	77.65	1.258	0.0E0	0.000	1.448
27.45	0.79	1.32	0.60	5.00	NoLiq	23.89	77.63	1.259	0.0E0	0.000	1.448
27.40	0.79	1.32	0.60	5.00	NoLiq	23.89	77.61	1.259	0.0E0	0.000	1.448
27.35	0.79	1.32	0.60	5.00	NoLiq	23.88	77.60	1.260	0.0E0	0.000	1.448
27.30	0.79	1.32	0.60	5.00	NoLiq	23.87	77.58	1.260	0.0E0	0.000	1.448
27.25	0.79	1.32	0.60	5.00	NoLiq	23.86	77.56	1.261	0.0E0	0.000	1.448
27.20	0.79	1.32	0.60	5.00	NoLiq	23.85	77.54	1.262	0.0E0	0.000	1.448
27.15	0.79	1.32	0.60	5.00	NoLiq	23.84	77.53	1.262	0.0E0	0.000	1.448
27.10	0.79	1.32	0.60	5.00	NoLiq	23.83	77.51	1.263	0.0E0	0.000	1.448
27.05	0.79	1.32	0.60	5.00	NoLiq	23.82	77.49	1.263	0.0E0	0.000	1.448
27.00	0.79	1.32	0.60	5.00	NoLiq	23.81	77.48	1.264	0.0E0	0.000	1.448
26.95	0.79	1.32	0.60	5.00	NoLiq	23.80	77.46	1.264	0.0E0	0.000	1.448
26.90	0.79	1.32	0.60	5.00	NoLiq	23.79	77.44	1.265	0.0E0	0.000	1.448
26.85	0.80	1.32	0.60	5.00	NoLiq	23.78	77.42	1.266	0.0E0	0.000	1.448
26.80	0.80	1.32	0.60	5.00	NoLiq	23.78	77.41	1.266	0.0E0	0.000	1.448
26.75	0.80	1.32	0.60	5.00	NoLiq	23.77	77.39	1.267	0.0E0	0.000	1.448
26.70	0.80	1.32	0.60	5.00	NoLiq	23.76	77.37	1.267	0.0E0	0.000	1.448
26.65	0.80	1.32	0.60	5.00	NoLiq	23.75	77.36	1.268	0.0E0	0.000	1.448
26.60	0.80	1.32	0.60	5.00	NoLiq	23.74	77.34	1.268	0.0E0	0.000	1.448
26.55	0.80	1.32	0.60	5.00	NoLiq	23.73	77.32	1.269	0.0E0	0.000	1.448
26.50	0.80	1.32	0.60	5.00	NoLiq	23.72	77.30	1.270	0.0E0	0.000	1.448
26.45	0.80	1.32	0.60	5.00	NoLiq	23.71	77.29	1.270	0.0E0	0.000	1.448
26.40	0.80	1.32	0.60	5.00	NoLiq	23.70	77.27	1.271	0.0E0	0.000	1.448
26.35	0.80	1.32	0.61	5.00	NoLiq	23.69	77.25	1.271	0.0E0	0.000	1.448
26.30	0.80	1.32	0.61	5.00	NoLiq	23.68	77.24	1.272	0.0E0	0.000	1.448
26.25	0.80	1.32	0.61	5.00	NoLiq	23.67	77.22	1.272	0.0E0	0.000	1.448
26.20	0.80	1.32	0.61	5.00	NoLiq	23.66	77.20	1.273	0.0E0	0.000	1.448
26.15	0.80	1.32	0.61	5.00	NoLiq	23.65	77.18	1.274	0.0E0	0.000	1.448
26.10	0.80	1.32	0.61	5.00	NoLiq	23.65	77.17	1.274	0.0E0	0.000	1.448
26.05	0.80	1.32	0.61	5.00	NoLiq	23.64	77.15	1.275	0.0E0	0.000	1.448
26.00	0.80	1.32	0.61	5.00	NoLiq	23.63	77.13	1.275	0.0E0	0.000	1.448

25.95	0.80	1.32	0.61	5.00	NoLiq	23.62	77.11	1.276	0.0E0	0.000	1.448
25.90	0.80	1.32	0.61	5.00	NoLiq	23.61	77.10	1.277	0.0E0	0.000	1.448
25.85	0.80	1.32	0.61	5.00	NoLiq	23.60	77.08	1.277	0.0E0	0.000	1.448
25.80	0.80	1.32	0.61	5.00	NoLiq	23.59	77.06	1.278	0.0E0	0.000	1.448
25.75	0.80	1.32	0.61	5.00	NoLiq	23.58	77.05	1.278	0.0E0	0.000	1.448
25.70	0.80	1.32	0.61	5.00	NoLiq	23.57	77.03	1.279	0.0E0	0.000	1.448
25.65	0.80	1.32	0.61	5.00	NoLiq	23.56	77.01	1.279	0.0E0	0.000	1.448
25.60	0.80	1.32	0.61	5.00	NoLiq	23.55	76.99	1.280	0.0E0	0.000	1.448
25.55	0.80	1.32	0.61	5.00	NoLiq	23.54	76.98	1.281	0.0E0	0.000	1.448
25.50	0.80	1.32	0.61	5.00	NoLiq	23.53	76.96	1.281	0.0E0	0.000	1.448
25.45	0.80	1.32	0.61	5.00	NoLiq	23.52	76.94	1.282	0.0E0	0.000	1.448
25.40	0.80	1.32	0.61	5.00	NoLiq	23.52	76.92	1.282	0.0E0	0.000	1.448
25.35	0.80	1.32	0.61	5.00	NoLiq	23.51	76.91	1.283	0.0E0	0.000	1.448
25.30	0.81	1.32	0.61	5.00	NoLiq	23.50	76.89	1.283	0.0E0	0.000	1.448
25.25	0.81	1.32	0.61	5.00	NoLiq	23.49	76.87	1.284	0.0E0	0.000	1.448
25.20	0.81	1.32	0.61	5.00	NoLiq	23.48	76.86	1.285	0.0E0	0.000	1.448
25.15	0.81	1.32	0.61	5.00	NoLiq	23.47	76.84	1.285	0.0E0	0.000	1.448
25.10	0.81	1.32	0.61	5.00	NoLiq	23.46	76.82	1.286	0.0E0	0.000	1.448
25.05	0.81	1.32	0.61	5.00	NoLiq	23.45	76.80	1.286	0.0E0	0.000	1.448
25.00	0.81	1.32	0.61	5.00	NoLiq	23.44	76.79	1.287	0.0E0	0.000	1.448
24.95	0.81	1.32	0.61	5.00	NoLiq	23.43	76.77	1.288	0.0E0	0.000	1.448
24.90	0.81	1.32	0.61	5.00	NoLiq	23.42	76.75	1.288	0.0E0	0.000	1.448
24.85	0.81	1.32	0.61	5.00	NoLiq	23.41	76.73	1.289	0.0E0	0.000	1.448
24.80	0.81	1.32	0.61	5.00	NoLiq	23.40	76.72	1.289	0.0E0	0.000	1.448
24.75	0.81	1.32	0.61	5.00	NoLiq	23.39	76.70	1.290	0.0E0	0.000	1.448
24.70	0.81	1.32	0.61	5.00	NoLiq	23.38	76.68	1.290	0.0E0	0.000	1.448
24.65	0.81	1.32	0.61	5.00	NoLiq	23.38	76.67	1.291	0.0E0	0.000	1.448
24.60	0.81	1.32	0.61	5.00	NoLiq	23.37	76.65	1.292	0.0E0	0.000	1.448
24.55	0.81	1.32	0.61	5.00	NoLiq	23.36	76.63	1.292	0.0E0	0.000	1.448
24.50	0.81	1.32	0.61	5.00	NoLiq	23.35	76.61	1.293	0.0E0	0.000	1.448
24.45	0.81	1.32	0.61	5.00	NoLiq	23.34	76.60	1.293	0.0E0	0.000	1.448
24.40	0.81	1.32	0.62	5.00	NoLiq	23.33	76.58	1.294	0.0E0	0.000	1.448
24.35	0.81	1.32	0.62	5.00	NoLiq	23.32	76.56	1.295	0.0E0	0.000	1.448
24.30	0.81	1.32	0.62	5.00	NoLiq	23.31	76.54	1.295	0.0E0	0.000	1.448
24.25	0.81	1.32	0.62	5.00	NoLiq	23.30	76.53	1.296	0.0E0	0.000	1.448
24.20	0.81	1.32	0.62	5.00	NoLiq	23.29	76.51	1.296	0.0E0	0.000	1.448
24.15	0.81	1.32	0.62	5.00	NoLiq	23.28	76.49	1.297	0.0E0	0.000	1.448
24.10	0.81	1.32	0.62	5.00	NoLiq	23.27	76.47	1.298	0.0E0	0.000	1.448
24.05	0.81	1.32	0.62	5.00	NoLiq	23.26	76.46	1.298	0.0E0	0.000	1.448
24.00	0.81	1.32	0.62	5.00	NoLiq	23.25	76.44	1.299	0.0E0	0.000	1.448
23.95	0.81	1.32	0.62	5.00	NoLiq	23.24	76.42	1.299	0.0E0	0.000	1.448
23.90	0.82	1.32	0.62	5.00	NoLiq	23.23	76.41	1.300	0.0E0	0.000	1.448
23.85	0.82	1.32	0.62	5.00	NoLiq	23.23	76.39	1.300	0.0E0	0.000	1.448
23.80	0.82	1.32	0.62	5.00	NoLiq	23.22	76.37	1.301	0.0E0	0.000	1.448
23.75	0.82	1.32	0.62	5.00	NoLiq	23.21	76.35	1.302	0.0E0	0.000	1.448
23.70	0.82	1.32	0.62	5.00	NoLiq	23.20	76.34	1.302	0.0E0	0.000	1.448
23.65	0.82	1.32	0.62	5.00	NoLiq	23.19	76.32	1.303	0.0E0	0.000	1.448
23.60	0.82	1.32	0.62	5.00	NoLiq	23.18	76.30	1.303	0.0E0	0.000	1.448
23.55	0.82	1.32	0.62	5.00	NoLiq	23.17	76.28	1.304	0.0E0	0.000	1.448
23.50	0.82	1.32	0.62	5.00	NoLiq	23.16	76.27	1.305	0.0E0	0.000	1.448
23.45	0.82	1.32	0.62	5.00	NoLiq	23.15	76.25	1.305	0.0E0	0.000	1.448
23.40	0.82	1.32	0.62	5.00	NoLiq	23.14	76.23	1.306	0.0E0	0.000	1.448
23.35	0.82	1.32	0.62	5.00	NoLiq	23.13	76.21	1.306	0.0E0	0.000	1.448
23.30	0.82	1.32	0.62	5.00	NoLiq	23.12	76.20	1.307	0.0E0	0.000	1.448
23.25	0.82	1.32	0.62	5.00	NoLiq	23.11	76.18	1.308	0.0E0	0.000	1.448
23.20	0.82	1.32	0.62	5.00	NoLiq	23.10	76.16	1.308	0.0E0	0.000	1.448
23.15	0.82	1.32	0.62	5.00	NoLiq	23.09	76.14	1.309	0.0E0	0.000	1.448
23.10	0.82	1.32	0.62	5.00	NoLiq	23.08	76.13	1.309	0.0E0	0.000	1.448
23.05	0.82	1.32	0.62	5.00	NoLiq	23.07	76.11	1.310	0.0E0	0.000	1.448
23.00	0.82	1.32	0.62	5.00	NoLiq	23.07	76.09	1.310	0.0E0	0.000	1.448
22.95	0.82	1.32	0.62	5.00	NoLiq	23.06	76.08	1.311	0.0E0	0.000	1.448
22.90	0.82	1.32	0.62	5.00	NoLiq	23.05	76.06	1.312	0.0E0	0.000	1.448
22.85	0.82	1.32	0.62	5.00	NoLiq	23.04	76.04	1.312	0.0E0	0.000	1.448
22.80	0.82	1.32	0.62	5.00	NoLiq	23.03	76.02	1.313	0.0E0	0.000	1.448
22.75	0.82	1.32	0.63	5.00	NoLiq	23.02	76.01	1.313	0.0E0	0.000	1.448
22.70	0.82	1.32	0.63	5.00	NoLiq	23.01	75.99	1.314	0.0E0	0.000	1.448
22.65	0.83	1.32	0.63	5.00	NoLiq	23.00	75.97	1.315	0.0E0	0.000	1.448
22.60	0.83	1.32	0.63	5.00	NoLiq	22.99	75.95	1.315	0.0E0	0.000	1.448
22.55	0.83	1.32	0.63	5.00	NoLiq	22.98	75.94	1.316	0.0E0	0.000	1.448
22.50	0.83	1.32	0.63	5.00	NoLiq	22.97	75.92	1.316	0.0E0	0.000	1.448
22.45	0.83	1.32	0.63	5.00	NoLiq	22.98	75.94	1.316	0.0E0	0.000	1.448
22.40	0.83	1.32	0.63	5.00	NoLiq	23.00	75.97	1.315	0.0E0	0.000	1.448
22.35	0.83	1.32	0.63	5.00	NoLiq	23.01	75.99	1.314	0.0E0	0.000	1.448

22.30	0.83	1.32	0.63	5.00	NoLiq	23.02	76.01	1.313	0.0E0	0.000	1.448
22.25	0.83	1.32	0.63	5.00	NoLiq	23.04	76.04	1.312	0.0E0	0.000	1.448
22.20	0.83	1.32	0.63	5.00	NoLiq	23.05	76.06	1.312	0.0E0	0.000	1.448
22.15	0.83	1.32	0.63	5.00	NoLiq	23.06	76.09	1.311	0.0E0	0.000	1.448
22.10	0.83	1.32	0.63	5.00	NoLiq	23.07	76.11	1.310	0.0E0	0.000	1.448
22.05	0.83	1.32	0.63	5.00	NoLiq	23.09	76.13	1.309	0.0E0	0.000	1.448
22.00	0.83	1.32	0.63	5.00	NoLiq	23.10	76.16	1.308	0.0E0	0.000	1.448
21.95	0.83	1.32	0.63	5.00	NoLiq	23.11	76.18	1.307	0.0E0	0.000	1.448
21.90	0.83	1.32	0.63	5.00	NoLiq	23.13	76.21	1.307	0.0E0	0.000	1.448
21.85	0.83	1.32	0.63	5.00	NoLiq	23.14	76.23	1.306	0.0E0	0.000	1.448
21.80	0.83	1.32	0.63	5.00	NoLiq	23.15	76.26	1.305	0.0E0	0.000	1.448
21.75	0.83	1.32	0.63	5.00	NoLiq	23.17	76.28	1.304	0.0E0	0.000	1.448
21.70	0.83	1.32	0.63	5.00	NoLiq	23.18	76.31	1.303	0.0E0	0.000	1.448
21.65	0.83	1.32	0.63	5.00	NoLiq	23.19	76.33	1.302	0.0E0	0.000	1.448
21.60	0.83	1.32	0.63	5.00	NoLiq	23.21	76.36	1.302	0.0E0	0.000	1.448
21.55	0.84	1.32	0.63	5.00	NoLiq	23.22	76.38	1.301	0.0E0	0.000	1.448
21.50	0.84	1.32	0.63	5.00	NoLiq	23.23	76.40	1.300	0.0E0	0.000	1.448
21.45	0.84	1.32	0.63	5.00	NoLiq	23.25	76.43	1.299	0.0E0	0.000	1.448
21.40	0.84	1.32	0.63	5.00	NoLiq	23.26	76.45	1.298	0.0E0	0.000	1.448
21.35	0.84	1.32	0.63	5.00	NoLiq	23.27	76.48	1.297	0.0E0	0.000	1.448
21.30	0.84	1.32	0.64	5.00	NoLiq	23.29	76.50	1.297	0.0E0	0.000	1.448
21.25	0.84	1.32	0.64	5.00	NoLiq	23.30	76.53	1.296	0.0E0	0.000	1.448
21.20	0.84	1.32	0.64	5.00	NoLiq	23.32	76.55	1.295	0.0E0	0.000	1.448
21.15	0.84	1.32	0.64	5.00	NoLiq	23.33	76.58	1.294	0.0E0	0.000	1.448
21.10	0.84	1.32	0.64	5.00	NoLiq	23.34	76.60	1.293	0.0E0	0.000	1.448
21.05	0.84	1.32	0.64	5.00	NoLiq	23.36	76.63	1.292	0.0E0	0.000	1.448
21.00	0.84	1.32	0.64	5.00	NoLiq	23.37	76.66	1.291	0.0E0	0.000	1.448
20.95	0.84	1.32	0.64	5.00	NoLiq	23.38	76.68	1.291	0.0E0	0.000	1.448
20.90	0.84	1.32	0.64	5.00	NoLiq	23.40	76.71	1.290	0.0E0	0.000	1.448
20.85	0.84	1.32	0.64	5.00	NoLiq	23.41	76.73	1.289	0.0E0	0.000	1.448
20.80	0.84	1.32	0.64	5.00	NoLiq	23.43	76.76	1.288	0.0E0	0.000	1.448
20.75	0.84	1.32	0.64	5.00	NoLiq	23.44	76.78	1.287	0.0E0	0.000	1.448
20.70	0.84	1.32	0.64	5.00	NoLiq	23.45	76.81	1.286	0.0E0	0.000	1.448
20.65	0.84	1.32	0.64	5.00	NoLiq	23.47	76.83	1.285	0.0E0	0.000	1.448
20.60	0.84	1.32	0.64	5.00	NoLiq	23.48	76.86	1.284	0.0E0	0.000	1.448
20.55	0.85	1.32	0.64	5.00	NoLiq	23.49	76.89	1.284	0.0E0	0.000	1.448
20.50	0.85	1.32	0.64	5.00	NoLiq	23.51	76.91	1.283	0.0E0	0.000	1.448
20.45	0.85	1.32	0.64	5.00	NoLiq	23.52	76.94	1.282	0.0E0	0.000	1.448
20.40	0.85	1.32	0.64	5.00	NoLiq	23.54	76.96	1.281	0.0E0	0.000	1.448
20.35	0.85	1.32	0.64	5.00	NoLiq	23.55	76.99	1.280	0.0E0	0.000	1.448
20.30	0.85	1.32	0.64	5.00	NoLiq	23.56	77.02	1.279	0.0E0	0.000	1.448
20.25	0.85	1.32	0.64	5.00	NoLiq	23.58	77.04	1.278	0.0E0	0.000	1.448
20.20	0.85	1.32	0.64	5.00	NoLiq	23.59	77.07	1.277	0.0E0	0.000	1.448
20.15	0.85	1.32	0.64	5.00	NoLiq	23.61	77.09	1.277	0.0E0	0.000	1.448
20.10	0.85	1.32	0.64	5.00	NoLiq	23.62	77.12	1.276	0.0E0	0.000	1.448
20.05	0.85	1.32	0.64	5.00	NoLiq	23.64	77.15	1.275	0.0E0	0.000	1.448
20.00	0.85	1.32	0.64	5.00	NoLiq	23.65	77.17	1.274	0.0E0	0.000	1.448
19.95	0.85	1.32	0.65	5.00	NoLiq	23.66	77.20	1.273	0.0E0	0.000	1.448
19.90	0.85	1.32	0.65	5.00	NoLiq	23.68	77.23	1.272	0.0E0	0.000	1.448
19.85	0.85	1.32	0.65	5.00	NoLiq	23.69	77.25	1.271	0.0E0	0.000	1.448
19.80	0.85	1.32	0.65	5.00	NoLiq	23.71	77.28	1.270	0.0E0	0.000	1.448
19.75	0.85	1.32	0.65	5.00	NoLiq	23.72	77.31	1.269	0.0E0	0.000	1.448
19.70	0.85	1.32	0.65	5.00	NoLiq	23.74	77.33	1.269	0.0E0	0.000	1.448
19.65	0.85	1.32	0.65	5.00	NoLiq	23.75	77.36	1.268	0.0E0	0.000	1.448
19.60	0.86	1.32	0.65	5.00	NoLiq	23.76	77.39	1.267	0.0E0	0.000	1.448
19.55	0.86	1.32	0.65	5.00	NoLiq	23.78	77.41	1.266	0.0E0	0.000	1.448
19.50	0.86	1.32	0.65	5.00	NoLiq	23.79	77.44	1.265	0.0E0	0.000	1.448
19.45	0.86	1.32	0.65	5.00	NoLiq	23.81	77.47	1.264	0.0E0	0.000	1.448
19.40	0.86	1.32	0.65	5.00	NoLiq	23.82	77.50	1.263	0.0E0	0.000	1.448
19.35	0.86	1.32	0.65	5.00	NoLiq	23.84	77.52	1.262	0.0E0	0.000	1.448
19.30	0.86	1.32	0.65	5.00	NoLiq	23.85	77.55	1.261	0.0E0	0.000	1.448
19.25	0.86	1.32	0.65	5.00	NoLiq	23.87	77.58	1.260	0.0E0	0.000	1.448
19.20	0.86	1.32	0.65	5.00	NoLiq	23.88	77.61	1.259	0.0E0	0.000	1.448
19.15	0.86	1.32	0.65	5.00	NoLiq	23.90	77.63	1.259	0.0E0	0.000	1.448
19.10	0.86	1.32	0.65	5.00	NoLiq	23.91	77.66	1.258	0.0E0	0.000	1.448
19.05	0.86	1.32	0.65	5.00	NoLiq	23.93	77.69	1.257	0.0E0	0.000	1.448
19.00	0.86	1.32	0.65	5.00	NoLiq	23.94	77.72	1.256	0.0E0	0.000	1.448
18.95	0.86	1.32	0.65	5.00	NoLiq	23.96	77.74	1.255	0.0E0	0.000	1.448
18.90	0.86	1.32	0.65	5.00	NoLiq	23.97	77.77	1.254	0.0E0	0.000	1.448
18.85	0.86	1.32	0.65	5.00	NoLiq	23.98	77.80	1.253	0.0E0	0.000	1.448
18.80	0.86	1.32	0.66	5.00	NoLiq	24.00	77.83	1.252	0.0E0	0.000	1.448
18.75	0.87	1.32	0.66	5.00	NoLiq	24.01	77.85	1.251	0.0E0	0.000	1.448
18.70	0.87	1.32	0.66	5.00	NoLiq	24.03	77.88	1.250	0.0E0	0.000	1.448

18.65	0.87	1.32	0.66	5.00	NoLiq	24.04	77.91	1.249	0.0E0	0.000	1.448
18.60	0.87	1.32	0.66	5.00	NoLiq	24.06	77.94	1.248	0.0E0	0.000	1.448
18.55	0.87	1.32	0.66	5.00	NoLiq	24.08	77.97	1.247	0.0E0	0.000	1.448
18.50	0.87	1.32	0.66	5.00	NoLiq	24.09	78.00	1.246	0.0E0	0.000	1.448
18.45	0.87	1.32	0.66	5.00	NoLiq	24.11	78.02	1.245	0.0E0	0.000	1.448
18.40	0.87	1.32	0.66	5.00	NoLiq	24.12	78.05	1.245	0.0E0	0.000	1.448
18.35	0.87	1.32	0.66	5.00	NoLiq	24.14	78.08	1.244	0.0E0	0.000	1.448
18.30	0.87	1.32	0.66	5.00	NoLiq	24.15	78.11	1.243	0.0E0	0.000	1.448
18.25	0.87	1.32	0.66	5.00	NoLiq	24.17	78.14	1.242	0.0E0	0.000	1.448
18.20	0.87	1.32	0.66	5.00	NoLiq	24.18	78.17	1.241	0.0E0	0.000	1.448
18.15	0.87	1.32	0.66	5.00	NoLiq	24.20	78.20	1.240	0.0E0	0.000	1.448
18.10	0.87	1.32	0.66	5.00	NoLiq	24.21	78.22	1.239	0.0E0	0.000	1.448
18.05	0.87	1.32	0.66	5.00	NoLiq	24.23	78.25	1.238	0.0E0	0.000	1.448
18.00	0.87	1.32	0.66	5.00	NoLiq	24.24	78.28	1.237	0.0E0	0.000	1.448
17.95	0.88	1.32	0.66	5.00	NoLiq	24.26	78.31	1.236	0.0E0	0.000	1.448
17.90	0.88	1.32	0.66	5.00	NoLiq	24.27	78.34	1.235	0.0E0	0.000	1.448
17.85	0.88	1.32	0.66	5.00	NoLiq	24.29	78.37	1.234	0.0E0	0.000	1.448
17.80	0.88	1.32	0.66	5.00	NoLiq	24.31	78.40	1.233	0.0E0	0.000	1.448
17.75	0.88	1.32	0.67	5.00	NoLiq	24.32	78.43	1.232	0.0E0	0.000	1.448
17.70	0.88	1.32	0.67	5.00	NoLiq	24.34	78.46	1.231	0.0E0	0.000	1.448
17.65	0.88	1.32	0.67	5.00	NoLiq	24.35	78.49	1.230	0.0E0	0.000	1.448
17.60	0.88	1.32	0.67	5.00	NoLiq	24.37	78.52	1.229	0.0E0	0.000	1.448
17.55	0.88	1.32	0.67	5.00	NoLiq	24.38	78.55	1.228	0.0E0	0.000	1.448
17.50	0.88	1.32	0.67	5.00	NoLiq	24.40	78.58	1.227	0.0E0	0.000	1.448
17.45	0.88	1.32	0.67	5.00	NoLiq	24.61	78.97	1.214	0.0E0	0.000	1.448
17.40	0.88	1.32	0.67	5.00	NoLiq	24.82	79.37	1.201	0.0E0	0.000	1.448
17.35	0.88	1.32	0.67	5.00	NoLiq	25.03	79.78	1.188	0.0E0	0.000	1.448
17.30	0.88	1.32	0.67	5.00	NoLiq	25.24	80.18	1.175	0.0E0	0.000	1.448
17.25	0.88	1.32	0.67	5.00	NoLiq	25.45	80.59	1.161	0.0E0	0.000	1.448
17.20	0.89	1.32	0.67	5.00	NoLiq	25.66	81.00	1.148	0.0E0	0.000	1.448
17.15	0.89	1.32	0.67	5.00	NoLiq	25.88	81.41	1.135	0.0E0	0.000	1.448
17.10	0.89	1.32	0.67	5.00	NoLiq	26.09	81.83	1.122	0.0E0	0.000	1.448
17.05	0.89	1.32	0.67	5.00	NoLiq	26.30	82.25	1.108	0.0E0	0.000	1.448
17.00	0.89	1.32	0.67	5.00	NoLiq	26.51	82.68	1.095	0.0E0	0.000	1.448
16.95	0.89	1.32	0.67	5.00	NoLiq	26.75	83.14	1.080	0.0E0	0.000	1.448
16.90	0.89	1.32	0.67	5.00	NoLiq	26.98	83.61	1.066	0.0E0	0.000	1.448
16.85	0.89	1.32	0.68	5.00	NoLiq	27.22	84.09	1.051	0.0E0	0.000	1.448
16.80	0.89	1.32	0.68	5.00	NoLiq	27.45	84.57	1.036	0.0E0	0.000	1.448
16.75	0.89	1.32	0.68	5.00	NoLiq	27.69	85.06	1.022	0.0E0	0.000	1.448
16.70	0.89	1.32	0.68	5.00	NoLiq	27.92	85.55	1.007	0.0E0	0.000	1.448
16.65	0.89	1.32	0.68	5.00	NoLiq	28.16	86.05	0.984	0.0E0	0.000	1.448
16.60	0.89	1.32	0.68	5.00	NoLiq	28.40	86.56	0.953	0.0E0	0.000	1.448
16.55	0.90	1.32	0.68	5.00	NoLiq	28.64	87.07	0.923	0.0E0	0.000	1.448
16.50	0.90	1.32	0.68	5.00	NoLiq	28.88	87.59	0.892	0.0E0	0.000	1.448
16.45	0.90	1.32	0.68	5.00	NoLiq	29.13	88.11	0.861	0.0E0	0.000	1.448
16.40	0.90	1.32	0.68	5.00	NoLiq	29.37	88.65	0.830	0.0E0	0.000	1.448
16.35	0.90	1.32	0.68	5.00	NoLiq	29.61	89.19	0.799	0.0E0	0.000	1.448
16.30	0.90	1.32	0.68	5.00	NoLiq	29.86	89.73	0.768	0.0E0	0.000	1.448
16.25	0.90	1.32	0.68	5.00	NoLiq	30.10	90.29	0.736	0.0E0	0.000	1.448
16.20	0.90	1.32	0.68	5.00	NoLiq	30.35	90.85	0.705	0.0E0	0.000	1.448
16.15	0.90	1.32	0.68	5.00	NoLiq	30.60	91.42	0.673	0.0E0	0.000	1.448
16.10	0.90	1.32	0.68	5.00	NoLiq	30.85	92.00	0.642	0.0E0	0.000	1.448
16.05	0.90	1.32	0.69	5.00	NoLiq	31.09	92.58	0.610	0.0E0	0.000	1.448
16.00	0.90	1.32	0.69	5.00	NoLiq	31.35	93.18	0.578	0.0E0	0.000	1.448
15.95	0.91	1.32	0.69	5.00	NoLiq	31.60	93.78	0.546	0.0E0	0.000	1.448
15.90	0.91	1.32	0.69	5.00	NoLiq	31.85	94.40	0.514	0.0E0	0.000	1.448
15.85	0.91	1.32	0.69	5.00	NoLiq	32.10	95.02	0.471	0.0E0	0.000	1.448
15.80	0.91	1.32	0.69	5.00	NoLiq	32.36	95.65	0.422	0.0E0	0.000	1.448
15.75	0.91	1.32	0.69	5.00	NoLiq	32.61	96.29	0.372	0.0E0	0.000	1.448
15.70	0.91	1.32	0.69	5.00	NoLiq	32.87	96.94	0.322	0.0E0	0.000	1.448
15.65	0.91	1.32	0.69	5.00	NoLiq	33.13	97.60	0.272	0.0E0	0.000	1.448
15.60	0.91	1.32	0.69	5.00	NoLiq	33.39	98.27	0.222	0.0E0	0.000	1.448
15.55	0.91	1.32	0.69	5.00	NoLiq	33.65	98.96	0.195	0.0E0	0.000	1.448
15.50	0.91	1.32	0.69	5.00	NoLiq	33.91	99.65	0.187	0.0E0	0.000	1.448
15.45	0.92	1.32	0.69	5.00	NoLiq	34.17	100.00	0.178	0.0E0	0.000	1.448
15.40	0.92	1.32	0.69	5.00	NoLiq	34.44	100.00	0.170	0.0E0	0.000	1.448
15.35	0.92	1.32	0.70	5.00	NoLiq	34.70	100.00	0.161	0.0E0	0.000	1.448
15.30	0.92	1.32	0.70	5.00	NoLiq	34.97	100.00	0.153	0.0E0	0.000	1.448
15.25	0.92	1.32	0.70	5.00	NoLiq	35.23	100.00	0.144	0.0E0	0.000	1.448
15.20	0.92	1.32	0.70	5.00	NoLiq	35.50	100.00	0.135	0.0E0	0.000	1.448
15.15	0.92	1.32	0.70	5.00	NoLiq	35.77	100.00	0.127	0.0E0	0.000	1.448
15.10	0.92	1.32	0.70	5.00	NoLiq	36.04	100.00	0.118	0.0E0	0.000	1.448
15.05	0.92	1.32	0.70	5.00	NoLiq	36.31	100.00	0.109	0.0E0	0.000	1.448

15.00	0.92	1.32	0.70	5.00	NoLiq	36.59	100.00	0.100	0.0E0	0.000	1.448
14.95	0.93	1.32	0.70	5.00	NoLiq	36.86	100.00	0.000	0.0E0	0.000	1.448
14.90	0.93	1.32	0.70	5.00	NoLiq	37.14	100.00	0.000	0.0E0	0.000	1.448
14.85	0.93	1.32	0.70	5.00	NoLiq	37.41	100.00	0.000	0.0E0	0.000	1.448
14.80	0.93	1.32	0.70	5.00	NoLiq	37.69	100.00	0.000	0.0E0	0.000	1.448
14.75	0.93	1.32	0.70	5.00	NoLiq	34.50	100.00	0.168	0.0E0	0.000	1.448
14.70	0.93	1.32	0.71	5.00	NoLiq	34.75	100.00	0.160	0.0E0	0.000	1.448
14.65	0.93	1.32	0.71	5.00	NoLiq	35.00	100.00	0.152	0.0E0	0.000	1.448
14.60	0.93	1.32	0.71	5.00	NoLiq	35.26	100.00	0.143	0.0E0	0.000	1.448
14.55	0.93	1.32	0.71	5.00	NoLiq	35.51	100.00	0.135	0.0E0	0.000	1.448
14.50	0.94	1.32	0.71	5.00	NoLiq	35.77	100.00	0.127	0.0E0	0.000	1.448
14.45	0.94	1.32	0.71	5.00	NoLiq	36.02	100.00	0.119	0.0E0	0.000	1.448
14.40	0.94	1.32	0.71	5.00	NoLiq	36.28	100.00	0.110	0.0E0	0.000	1.448
14.35	0.94	1.32	0.71	5.00	NoLiq	36.54	100.00	0.102	0.0E0	0.000	1.448
14.30	0.94	1.32	0.71	5.00	NoLiq	36.80	100.00	0.000	0.0E0	0.000	1.448
14.25	0.94	1.32	0.71	5.00	NoLiq	37.06	100.00	0.000	0.0E0	0.000	1.448
14.20	0.94	1.32	0.71	5.00	NoLiq	37.33	100.00	0.000	0.0E0	0.000	1.448
14.15	0.94	1.32	0.72	5.00	NoLiq	37.59	100.00	0.000	0.0E0	0.000	1.448
14.10	0.95	1.32	0.72	5.00	NoLiq	37.86	100.00	0.000	0.0E0	0.000	1.448
14.05	0.95	1.32	0.72	5.00	NoLiq	38.12	100.00	0.000	0.0E0	0.000	1.448
14.00	0.95	1.32	0.72	5.00	NoLiq	38.39	100.00	0.000	0.0E0	0.000	1.448
13.95	0.95	1.32	0.72	5.00	NoLiq	38.66	100.00	0.000	0.0E0	0.000	1.448
13.90	0.95	1.32	0.72	5.00	NoLiq	38.93	100.00	0.000	0.0E0	0.000	1.448
13.85	0.95	1.32	0.72	5.00	NoLiq	39.20	100.00	0.000	0.0E0	0.000	1.448
13.80	0.95	1.32	0.72	5.00	NoLiq	39.48	100.00	0.000	0.0E0	0.000	1.448
13.75	0.96	1.32	0.72	5.00	NoLiq	39.75	100.00	0.000	0.0E0	0.000	1.448
13.70	0.96	1.32	0.73	5.00	NoLiq	40.03	100.00	0.000	0.0E0	0.000	1.448
13.65	0.96	1.32	0.73	5.00	NoLiq	40.31	100.00	0.000	0.0E0	0.000	1.448
13.60	0.96	1.32	0.73	5.00	NoLiq	40.59	100.00	0.000	0.0E0	0.000	1.448
13.55	0.96	1.32	0.73	5.00	NoLiq	40.87	100.00	0.000	0.0E0	0.000	1.448
13.50	0.96	1.32	0.73	5.00	NoLiq	41.15	100.00	0.000	0.0E0	0.000	1.448
13.45	0.96	1.32	0.73	5.00	NoLiq	41.43	100.00	0.000	0.0E0	0.000	1.448
13.40	0.97	1.32	0.73	5.00	NoLiq	41.72	100.00	0.000	0.0E0	0.000	1.448
13.35	0.97	1.32	0.73	5.00	NoLiq	42.01	100.00	0.000	0.0E0	0.000	1.448
13.30	0.97	1.32	0.73	5.00	NoLiq	42.30	100.00	0.000	0.0E0	0.000	1.448
13.25	0.97	1.32	0.74	5.00	NoLiq	42.59	100.00	0.000	0.0E0	0.000	1.448
13.20	0.97	1.32	0.74	5.00	NoLiq	42.88	100.00	0.000	0.0E0	0.000	1.448
13.15	0.97	1.32	0.74	5.00	NoLiq	43.17	100.00	0.000	0.0E0	0.000	1.448
13.10	0.97	1.32	0.74	5.00	NoLiq	43.46	100.00	0.000	0.0E0	0.000	1.448
13.05	0.98	1.32	0.74	5.00	NoLiq	43.76	100.00	0.000	0.0E0	0.000	1.448
13.00	0.98	1.32	0.74	5.00	NoLiq	44.06	100.00	0.000	0.0E0	0.000	1.448
12.95	0.98	1.32	0.74	5.00	NoLiq	44.36	100.00	0.000	0.0E0	0.000	1.448
12.90	0.98	1.32	0.74	5.00	NoLiq	44.66	100.00	0.000	0.0E0	0.000	1.448
12.85	0.98	1.32	0.75	5.00	NoLiq	44.96	100.00	0.000	0.0E0	0.000	1.448
12.80	0.99	1.32	0.75	5.00	NoLiq	45.27	100.00	0.000	0.0E0	0.000	1.448
12.75	0.99	1.32	0.75	5.00	NoLiq	45.57	100.00	0.000	0.0E0	0.000	1.448
12.70	0.99	1.32	0.75	5.00	NoLiq	45.88	100.00	0.000	0.0E0	0.000	1.448
12.65	0.99	1.32	0.75	5.00	NoLiq	46.19	100.00	0.000	0.0E0	0.000	1.448
12.60	0.99	1.32	0.75	5.00	NoLiq	46.50	100.00	0.000	0.0E0	0.000	1.448
12.55	0.99	1.32	0.75	5.00	NoLiq	46.82	100.00	0.000	0.0E0	0.000	1.448
12.50	1.00	1.32	0.76	5.00	NoLiq	47.13	100.00	0.000	0.0E0	0.000	1.448
12.45	1.00	1.32	0.76	5.00	NoLiq	47.24	100.00	0.000	0.0E0	0.000	1.448
12.40	1.00	1.32	0.76	5.00	NoLiq	47.35	100.00	0.000	0.0E0	0.000	1.448
12.35	1.00	1.32	0.76	5.00	NoLiq	47.45	100.00	0.000	0.0E0	0.000	1.448
12.30	1.00	1.32	0.76	5.00	NoLiq	47.56	100.00	0.000	0.0E0	0.000	1.448
12.25	1.01	1.32	0.76	5.00	NoLiq	47.67	100.00	0.000	0.0E0	0.000	1.448
12.20	1.01	1.32	0.76	5.00	NoLiq	47.78	100.00	0.000	0.0E0	0.000	1.448
12.15	1.01	1.32	0.77	5.00	NoLiq	47.89	100.00	0.000	0.0E0	0.000	1.448
12.10	1.01	1.32	0.77	5.00	NoLiq	48.00	100.00	0.000	0.0E0	0.000	1.448
12.05	1.01	1.32	0.77	5.00	NoLiq	48.11	100.00	0.000	0.0E0	0.000	1.448
12.00	1.02	1.32	0.77	5.00	NoLiq	48.22	100.00	0.000	0.0E0	0.000	1.448
11.95	1.02	1.32	0.77	5.00	NoLiq	48.33	100.00	0.000	0.0E0	0.000	1.448
11.90	1.02	1.32	0.77	5.00	NoLiq	48.44	100.00	0.000	0.0E0	0.000	1.448
11.85	1.02	1.32	0.77	5.00	NoLiq	48.55	100.00	0.000	0.0E0	0.000	1.448
11.80	1.02	1.32	0.78	5.00	NoLiq	48.67	100.00	0.000	0.0E0	0.000	1.448
11.75	1.03	1.32	0.78	5.00	NoLiq	48.78	100.00	0.000	0.0E0	0.000	1.448
11.70	1.03	1.32	0.78	5.00	NoLiq	48.89	100.00	0.000	0.0E0	0.000	1.448
11.65	1.03	1.32	0.78	5.00	NoLiq	49.01	100.00	0.000	0.0E0	0.000	1.448
11.60	1.03	1.32	0.78	5.00	NoLiq	49.12	100.00	0.000	0.0E0	0.000	1.448
11.55	1.03	1.32	0.78	5.00	NoLiq	49.24	100.00	0.000	0.0E0	0.000	1.448
11.50	1.03	1.32	0.78	5.00	NoLiq	49.36	100.00	0.000	0.0E0	0.000	1.448
11.45	1.04	1.32	0.79	5.00	NoLiq	49.47	100.00	0.000	0.0E0	0.000	1.448
11.40	1.04	1.32	0.79	5.00	NoLiq	49.59	100.00	0.000	0.0E0	0.000	1.448

11.35	1.04	1.32	0.79	5.00	NoLiq	49.71	100.00	0.000	0.0E0	0.000	1.448
11.30	1.04	1.32	0.79	5.00	NoLiq	49.83	100.00	0.000	0.0E0	0.000	1.448
11.25	1.04	1.32	0.79	5.00	NoLiq	49.95	100.00	0.000	0.0E0	0.000	1.448
11.20	1.05	1.32	0.79	5.00	NoLiq	50.07	100.00	0.000	0.0E0	0.000	1.448
11.15	1.05	1.32	0.79	5.00	NoLiq	50.19	100.00	0.000	0.0E0	0.000	1.448
11.10	1.05	1.32	0.80	5.00	NoLiq	50.31	100.00	0.000	0.0E0	0.000	1.448
11.05	1.05	1.32	0.80	5.00	NoLiq	50.43	100.00	0.000	0.0E0	0.000	1.448
11.00	1.05	1.32	0.80	5.00	NoLiq	50.56	100.00	0.000	0.0E0	0.000	1.448
10.95	1.06	1.32	0.80	5.00	NoLiq	50.68	100.00	0.000	0.0E0	0.000	1.448
10.90	1.06	1.32	0.80	5.00	NoLiq	50.81	100.00	0.000	0.0E0	0.000	1.448
10.85	1.06	1.32	0.80	5.00	NoLiq	50.93	100.00	0.000	0.0E0	0.000	1.448
10.80	1.06	1.32	0.80	5.00	NoLiq	51.06	100.00	0.000	0.0E0	0.000	1.448
10.75	1.06	1.32	0.81	5.00	NoLiq	51.18	100.00	0.000	0.0E0	0.000	1.448
10.70	1.07	1.32	0.81	5.00	NoLiq	51.31	100.00	0.000	0.0E0	0.000	1.448
10.65	1.07	1.32	0.81	5.00	NoLiq	51.44	100.00	0.000	0.0E0	0.000	1.448
10.60	1.07	1.32	0.81	5.00	NoLiq	51.57	100.00	0.000	0.0E0	0.000	1.448
10.55	1.07	1.32	0.81	5.00	NoLiq	51.70	100.00	0.000	0.0E0	0.000	1.448
10.50	1.07	1.32	0.81	5.00	NoLiq	51.82	100.00	0.000	0.0E0	0.000	1.448
10.45	1.07	1.32	0.81	5.00	NoLiq	51.96	100.00	0.000	0.0E0	0.000	1.448
10.40	1.08	1.32	0.82	5.00	NoLiq	52.09	100.00	0.000	0.0E0	0.000	1.448
10.35	1.08	1.32	0.82	5.00	NoLiq	52.22	100.00	0.000	0.0E0	0.000	1.448
10.30	1.08	1.32	0.82	5.00	NoLiq	52.35	100.00	0.000	0.0E0	0.000	1.448
10.25	1.08	1.32	0.82	5.00	NoLiq	52.49	100.00	0.000	0.0E0	0.000	1.448
10.20	1.08	1.32	0.82	5.00	NoLiq	52.62	100.00	0.000	0.0E0	0.000	1.448
10.15	1.08	1.32	0.82	5.00	NoLiq	52.75	100.00	0.000	0.0E0	0.000	1.448
10.10	1.09	1.32	0.82	5.00	NoLiq	52.89	100.00	0.000	0.0E0	0.000	1.448
10.05	1.09	1.32	0.83	5.00	NoLiq	53.03	100.00	0.000	0.0E0	0.000	1.448
10.00	1.09	1.32	0.83	5.00	NoLiq	53.16	100.00	0.000	0.0E0	0.000	1.448
9.95	1.09	1.32	0.83	5.00	NoLiq	53.30	100.00	0.000	0.0E0	0.000	1.448
9.90	1.09	1.32	0.83	5.00	NoLiq	53.44	100.00	0.000	0.0E0	0.000	1.448
9.85	1.10	1.32	0.83	5.00	NoLiq	53.58	100.00	0.000	0.0E0	0.000	1.448
9.80	1.10	1.32	0.83	5.00	NoLiq	53.72	100.00	0.000	0.0E0	0.000	1.448
9.75	1.10	1.32	0.83	5.00	NoLiq	53.86	100.00	0.000	0.0E0	0.000	1.448
9.70	1.10	1.32	0.83	5.00	NoLiq	54.01	100.00	0.000	0.0E0	0.000	1.448
9.65	1.10	1.32	0.84	5.00	NoLiq	54.15	100.00	0.000	0.0E0	0.000	1.448
9.60	1.10	1.32	0.84	5.00	NoLiq	54.29	100.00	0.000	0.0E0	0.000	1.448
9.55	1.10	1.32	0.84	5.00	NoLiq	54.44	100.00	0.000	0.0E0	0.000	1.448
9.50	1.11	1.32	0.84	5.00	NoLiq	54.58	100.00	0.000	0.0E0	0.000	1.448
9.45	1.11	1.32	0.84	5.00	NoLiq	54.73	100.00	0.000	0.0E0	0.000	1.448
9.40	1.11	1.32	0.84	5.00	NoLiq	54.88	100.00	0.000	0.0E0	0.000	1.448
9.35	1.11	1.32	0.84	5.00	NoLiq	55.02	100.00	0.000	0.0E0	0.000	1.448
9.30	1.11	1.32	0.84	5.00	NoLiq	55.17	100.00	0.000	0.0E0	0.000	1.448
9.25	1.11	1.32	0.84	5.00	NoLiq	55.32	100.00	0.000	0.0E0	0.000	1.448
9.20	1.12	1.32	0.85	5.00	NoLiq	55.47	100.00	0.000	0.0E0	0.000	1.448
9.15	1.12	1.32	0.85	5.00	NoLiq	55.63	100.00	0.000	0.0E0	0.000	1.448
9.10	1.12	1.32	0.85	5.00	NoLiq	55.78	100.00	0.000	0.0E0	0.000	1.448
9.05	1.12	1.32	0.85	5.00	NoLiq	55.93	100.00	0.000	0.0E0	0.000	1.448
9.00	1.12	1.32	0.85	5.00	NoLiq	56.09	100.00	0.000	0.0E0	0.000	1.448
8.95	1.12	1.32	0.85	5.00	NoLiq	56.24	100.00	0.000	0.0E0	0.000	1.448
8.90	1.12	1.32	0.85	5.00	NoLiq	56.40	100.00	0.000	0.0E0	0.000	1.448
8.85	1.12	1.32	0.85	5.00	NoLiq	56.55	100.00	0.000	0.0E0	0.000	1.448
8.80	1.13	1.32	0.85	5.00	NoLiq	56.71	100.00	0.000	0.0E0	0.000	1.448
8.75	1.13	1.32	0.85	5.00	NoLiq	56.87	100.00	0.000	0.0E0	0.000	1.448
8.70	1.13	1.32	0.86	5.00	NoLiq	57.03	100.00	0.000	0.0E0	0.000	1.448
8.65	1.13	1.32	0.86	5.00	NoLiq	57.19	100.00	0.000	0.0E0	0.000	1.448
8.60	1.13	1.32	0.86	5.00	NoLiq	57.35	100.00	0.000	0.0E0	0.000	1.448
8.55	1.13	1.32	0.86	5.00	NoLiq	57.52	100.00	0.000	0.0E0	0.000	1.448
8.50	1.13	1.32	0.86	5.00	NoLiq	57.68	100.00	0.000	0.0E0	0.000	1.448
8.45	1.13	1.32	0.86	5.00	NoLiq	57.85	100.00	0.000	0.0E0	0.000	1.448
8.40	1.13	1.32	0.86	5.00	NoLiq	58.01	100.00	0.000	0.0E0	0.000	1.448
8.35	1.14	1.32	0.86	5.00	NoLiq	58.18	100.00	0.000	0.0E0	0.000	1.448
8.30	1.14	1.32	0.86	5.00	NoLiq	58.35	100.00	0.000	0.0E0	0.000	1.448
8.25	1.14	1.32	0.86	5.00	NoLiq	58.52	100.00	0.000	0.0E0	0.000	1.448
8.20	1.14	1.32	0.86	5.00	NoLiq	52.37	100.00	0.000	0.0E0	0.000	1.448
8.15	1.14	1.32	0.86	5.00	NoLiq	52.52	100.00	0.000	0.0E0	0.000	1.448
8.10	1.14	1.32	0.86	5.00	NoLiq	52.68	100.00	0.000	0.0E0	0.000	1.448
8.05	1.14	1.32	0.86	5.00	NoLiq	52.83	100.00	0.000	0.0E0	0.000	1.448
8.00	1.14	1.32	0.86	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.95	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.90	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.85	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.80	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.75	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448

7.70	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.65	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.60	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.55	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.50	1.14	1.32	0.87	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448

Settlement of Saturated Sands=1.448 in.
qc1 and (N1)60 is after fines correction in liquefaction analysis
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

Depth	sigma'	sigC'	(N1)60s	CSRsf	Gmax	g*Ge/Gm	g_eff	ec7.5	Cec	ec	dsz	dsp	S
ft	atm	atm			atm			%		%	in.	in.	in.

Settlement of Unsaturated Sands

Settlement of Unsaturated Sands=0.000 in.
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=1.448 in.
Differential Settlement=0.724 to 0.956 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf(1 tsf = 1 ton/ft2 = 2 kip/ft2)
1 atm (atmosphere) = 101.325 kPa(1 kPa = 1 kN/m2 = 0.001 Mpa)

SPT	Field data from Standard Penetration Test (SPT)
BPT	Field data from Becker Penetration Test (BPT)
qc	Field data from Cone Penetration Test (CPT) [atm (tsf)]
fs	Friction from CPT testing [atm (tsf)]
Rf	Ratio of fs/qc (%)
gamma	Total unit weight of soil
gamma'	Effective unit weight of soil
Fines	Fines content [%]
D50	Mean grain size
Dr	Relative Density
sigma	Total vertical stress [atm]
sigma'	Effective vertical stress [atm]
sigC'	Effective confining pressure [atm]
rd	Acceleration reduction coefficient by Seed
a_max.	Peak Ground Acceleration (PGA) in ground surface
mZ	Linear acceleration reduction coefficient X depth
a_min.	Minimum acceleration under linear reduction, mZ
CRRv	CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
CRR7.5	Cyclic resistance ratio (M=7.5)
Ksig	Overburden stress correction factor for CRR7.5
CRRm	After magnitude scaling correction CRRm=CRRv * MSF
MSF	Magnitude scaling factor from M=7.5 to user input M
CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F.S.	Calculated factor of safety against liquefaction F.S.=CRRm/CSRsf
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT

qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1
qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement calculation CSRm=CSRsf / MSF*
CSRfs	Cyclic stress ratio induced by earthquake with user inputed fs
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2 of Page C.
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5
NoLiq	No-Liquefy Soils

References:

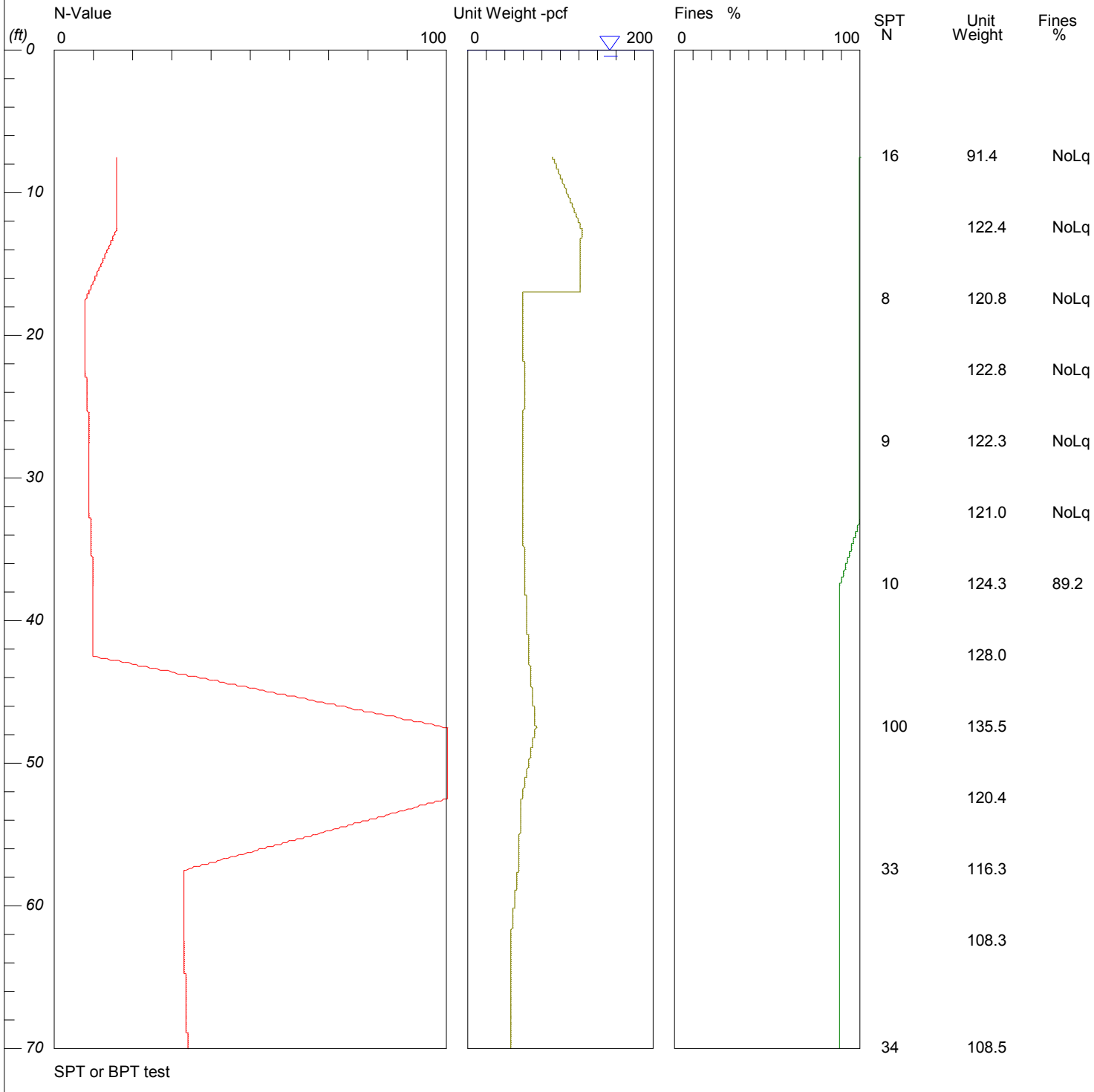
1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T.L., and Idriss, I.M., eds., Technical Report NCEER 97-0022.
SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for
Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.
2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth
International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center,
Report No. EERC 2003-06 by R.B Seed and etc. April 2003.

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-1-18 ***Water Depth=0 ft***

Magnitude=6.77
Acceleration=0.776g



SPT N	Unit Weight	Fines %
16	91.4	NoLq
	122.4	NoLq
8	120.8	NoLq
	122.8	NoLq
9	122.3	NoLq
	121.0	NoLq
10	124.3	89.2
	128.0	
100	135.5	
	120.4	
33	116.3	
	108.3	
34	108.5	

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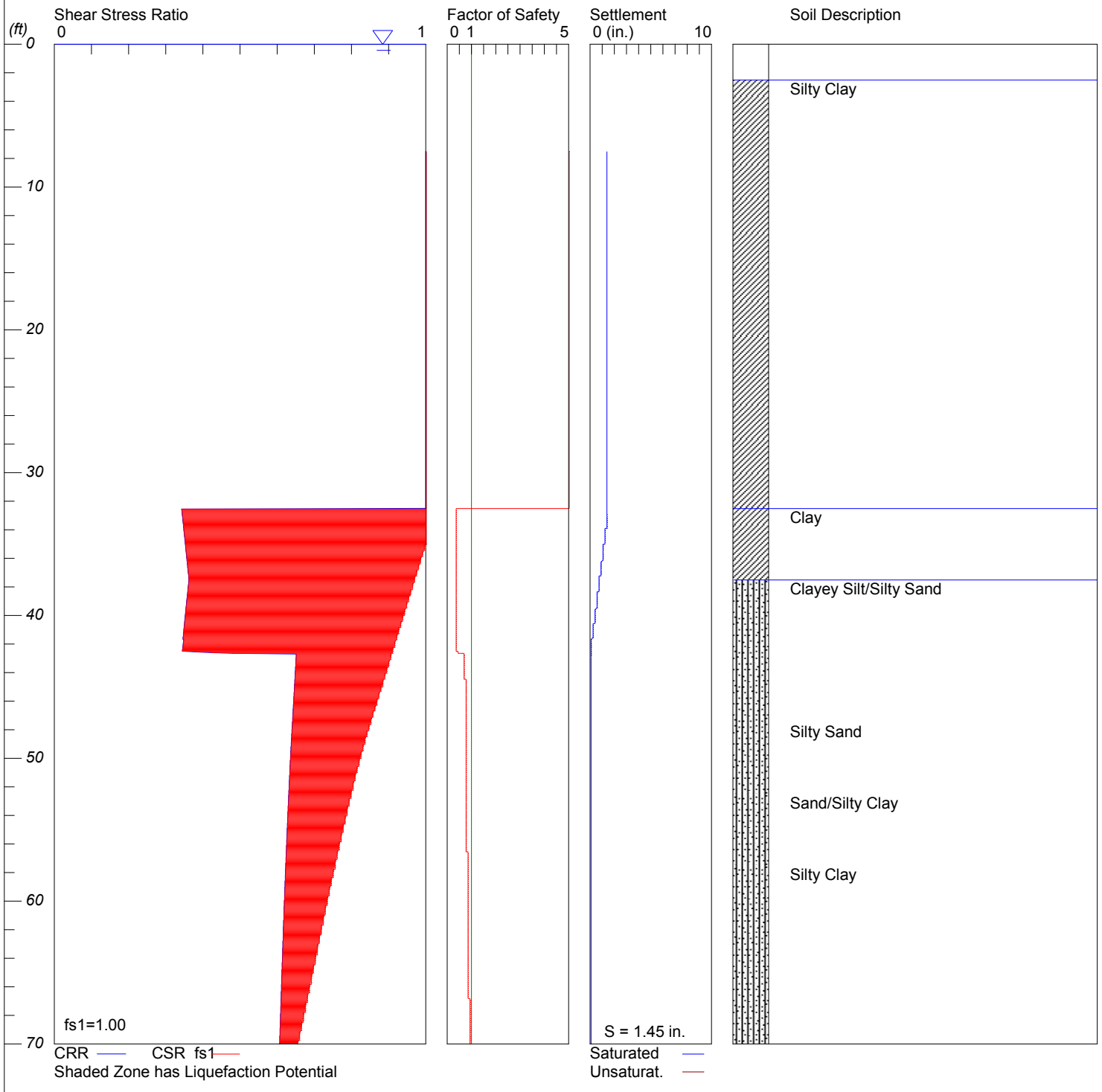
LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-1-18 ***Water Depth=0 ft***

Magnitude=6.77
Acceleration=0.776g



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LIQUEFACTION ANALYSIS CALCULATION DETAILS
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Input File Name: C:\Users\jgurunathan\OneDrive\Work\Projects\6792A -- Sportsmens August 2018\Liquefaction\B-1-18 Full.liq
Title: Sportsmen's Lodge
Subtitle: Boring B-1-18 Analysis (Full PGAm)

Input Data:
Surface Elev.=
Hole No.=B-1-18
Depth of Hole=70.00 ft
Water Table during Earthquake= 0.00 ft
Water Table during In-Situ Testing= 17.00 ft
Max. Acceleration=0.78 g
Earthquake Magnitude=6.77
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Idriss/Seed
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.42
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.0
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
7.50	16.00	91.40	NoLiq
12.50	16.00	122.40	NoLiq
17.50	8.00	120.80	NoLiq
22.50	8.00	122.80	NoLiq
27.50	9.00	122.30	NoLiq
32.50	9.00	121.00	NoLiq
37.50	10.00	124.30	89.20
42.50	10.00	128.00	89.20
47.50	100.00	135.50	89.20
52.50	100.00	120.40	89.20
57.50	33.00	116.30	89.20
62.50	33.00	108.30	89.20
70.00	34.00	108.50	89.20

Output Results:
Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.78g

CSR Calculation:

Depth ft	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ g	a(z) g	CSR	x fs1	=CSRfs
7.50	91.40	0.324	29.00	0.103	0.98	0.000	0.776	1.56	1.00	1.56
7.55	91.71	0.326	29.31	0.103	0.98	0.000	0.776	1.56	1.00	1.56
7.60	92.02	0.328	29.62	0.104	0.98	0.000	0.776	1.56	1.00	1.56
7.65	92.33	0.330	29.93	0.105	0.98	0.000	0.776	1.56	1.00	1.56
7.70	92.64	0.333	30.24	0.106	0.98	0.000	0.776	1.56	1.00	1.56
7.75	92.95	0.335	30.55	0.106	0.98	0.000	0.776	1.56	1.00	1.56

7.80	93.26	0.337	30.86	0.107	0.98	0.000	0.776	1.56	1.00	1.56
7.85	93.57	0.339	31.17	0.108	0.98	0.000	0.776	1.56	1.00	1.56
7.90	93.88	0.341	31.48	0.108	0.98	0.000	0.776	1.56	1.00	1.56
7.95	94.19	0.344	31.79	0.109	0.98	0.000	0.776	1.56	1.00	1.56
8.00	94.50	0.346	32.10	0.110	0.98	0.000	0.776	1.56	1.00	1.56
8.05	94.81	0.348	32.41	0.111	0.98	0.000	0.776	1.56	1.00	1.56
8.10	95.12	0.350	32.72	0.111	0.98	0.000	0.776	1.56	1.00	1.56
8.15	95.43	0.353	33.03	0.112	0.98	0.000	0.776	1.55	1.00	1.55
8.20	95.74	0.355	33.34	0.113	0.98	0.000	0.776	1.55	1.00	1.55
8.25	96.05	0.357	33.65	0.114	0.98	0.000	0.776	1.55	1.00	1.55
8.30	96.36	0.359	33.96	0.115	0.98	0.000	0.776	1.55	1.00	1.55
8.35	96.67	0.362	34.27	0.115	0.98	0.000	0.776	1.55	1.00	1.55
8.40	96.98	0.364	34.58	0.116	0.98	0.000	0.776	1.55	1.00	1.55
8.45	97.29	0.366	34.89	0.117	0.98	0.000	0.776	1.55	1.00	1.55
8.50	97.60	0.369	35.20	0.118	0.98	0.000	0.776	1.55	1.00	1.55
8.55	97.91	0.371	35.51	0.119	0.98	0.000	0.776	1.54	1.00	1.54
8.60	98.22	0.373	35.82	0.120	0.98	0.000	0.776	1.54	1.00	1.54
8.65	98.53	0.375	36.13	0.120	0.98	0.000	0.776	1.54	1.00	1.54
8.70	98.84	0.378	36.44	0.121	0.98	0.000	0.776	1.54	1.00	1.54
8.75	99.15	0.380	36.75	0.122	0.98	0.000	0.776	1.54	1.00	1.54
8.80	99.46	0.382	37.06	0.123	0.98	0.000	0.776	1.54	1.00	1.54
8.85	99.77	0.385	37.37	0.124	0.98	0.000	0.776	1.53	1.00	1.53
8.90	100.08	0.387	37.68	0.125	0.98	0.000	0.776	1.53	1.00	1.53
8.95	100.39	0.390	37.99	0.126	0.98	0.000	0.776	1.53	1.00	1.53
9.00	100.70	0.392	38.30	0.127	0.98	0.000	0.776	1.53	1.00	1.53
9.05	101.01	0.394	38.61	0.127	0.98	0.000	0.776	1.53	1.00	1.53
9.10	101.32	0.397	38.92	0.128	0.98	0.000	0.776	1.53	1.00	1.53
9.15	101.63	0.399	39.23	0.129	0.98	0.000	0.776	1.52	1.00	1.52
9.20	101.94	0.401	39.54	0.130	0.98	0.000	0.776	1.52	1.00	1.52
9.25	102.25	0.404	39.85	0.131	0.98	0.000	0.776	1.52	1.00	1.52
9.30	102.56	0.406	40.16	0.132	0.98	0.000	0.776	1.52	1.00	1.52
9.35	102.87	0.409	40.47	0.133	0.98	0.000	0.776	1.52	1.00	1.52
9.40	103.18	0.411	40.78	0.134	0.98	0.000	0.776	1.51	1.00	1.51
9.45	103.49	0.414	41.09	0.135	0.98	0.000	0.776	1.51	1.00	1.51
9.50	103.80	0.416	41.40	0.136	0.98	0.000	0.776	1.51	1.00	1.51
9.55	104.11	0.418	41.71	0.137	0.98	0.000	0.776	1.51	1.00	1.51
9.60	104.42	0.421	42.02	0.138	0.98	0.000	0.776	1.51	1.00	1.51
9.65	104.73	0.423	42.33	0.139	0.98	0.000	0.776	1.50	1.00	1.50
9.70	105.04	0.426	42.64	0.140	0.98	0.000	0.776	1.50	1.00	1.50
9.75	105.35	0.428	42.95	0.141	0.98	0.000	0.776	1.50	1.00	1.50
9.80	105.66	0.431	43.26	0.142	0.98	0.000	0.776	1.50	1.00	1.50
9.85	105.97	0.433	43.57	0.143	0.98	0.000	0.776	1.49	1.00	1.49
9.90	106.28	0.436	43.88	0.144	0.98	0.000	0.776	1.49	1.00	1.49
9.95	106.59	0.438	44.19	0.145	0.98	0.000	0.776	1.49	1.00	1.49
10.00	106.90	0.441	44.50	0.146	0.98	0.000	0.776	1.49	1.00	1.49
10.05	107.21	0.443	44.81	0.147	0.98	0.000	0.776	1.49	1.00	1.49
10.10	107.52	0.446	45.12	0.148	0.98	0.000	0.776	1.48	1.00	1.48
10.15	107.83	0.448	45.43	0.149	0.98	0.000	0.776	1.48	1.00	1.48
10.20	108.14	0.451	45.74	0.150	0.98	0.000	0.776	1.48	1.00	1.48
10.25	108.45	0.454	46.05	0.151	0.98	0.000	0.776	1.48	1.00	1.48
10.30	108.76	0.456	46.36	0.152	0.98	0.000	0.776	1.47	1.00	1.47
10.35	109.07	0.459	46.67	0.154	0.98	0.000	0.776	1.47	1.00	1.47
10.40	109.38	0.461	46.98	0.155	0.98	0.000	0.776	1.47	1.00	1.47
10.45	109.69	0.464	47.29	0.156	0.98	0.000	0.776	1.47	1.00	1.47
10.50	110.00	0.466	47.60	0.157	0.98	0.000	0.776	1.46	1.00	1.46
10.55	110.31	0.469	47.91	0.158	0.98	0.000	0.776	1.46	1.00	1.46
10.60	110.62	0.472	48.22	0.159	0.98	0.000	0.776	1.46	1.00	1.46
10.65	110.93	0.474	48.53	0.160	0.98	0.000	0.776	1.46	1.00	1.46
10.70	111.24	0.477	48.84	0.161	0.98	0.000	0.776	1.45	1.00	1.45
10.75	111.55	0.480	49.15	0.163	0.97	0.000	0.776	1.45	1.00	1.45
10.80	111.86	0.482	49.46	0.164	0.97	0.000	0.776	1.45	1.00	1.45
10.85	112.17	0.485	49.77	0.165	0.97	0.000	0.776	1.45	1.00	1.45
10.90	112.48	0.487	50.08	0.166	0.97	0.000	0.776	1.44	1.00	1.44
10.95	112.79	0.490	50.39	0.167	0.97	0.000	0.776	1.44	1.00	1.44
11.00	113.10	0.493	50.70	0.168	0.97	0.000	0.776	1.44	1.00	1.44
11.05	113.41	0.495	51.01	0.170	0.97	0.000	0.776	1.44	1.00	1.44
11.10	113.72	0.498	51.32	0.171	0.97	0.000	0.776	1.43	1.00	1.43
11.15	114.03	0.501	51.63	0.172	0.97	0.000	0.776	1.43	1.00	1.43
11.20	114.34	0.504	51.94	0.173	0.97	0.000	0.776	1.43	1.00	1.43
11.25	114.65	0.506	52.25	0.174	0.97	0.000	0.776	1.42	1.00	1.42
11.30	114.96	0.509	52.56	0.176	0.97	0.000	0.776	1.42	1.00	1.42
11.35	115.27	0.512	52.87	0.177	0.97	0.000	0.776	1.42	1.00	1.42
11.40	115.58	0.514	53.18	0.178	0.97	0.000	0.776	1.42	1.00	1.42

11.45	115.89	0.517	53.49	0.179	0.97	0.000	0.776	1.41	1.00	1.41
11.50	116.20	0.520	53.80	0.181	0.97	0.000	0.776	1.41	1.00	1.41
11.55	116.51	0.523	54.11	0.182	0.97	0.000	0.776	1.41	1.00	1.41
11.60	116.82	0.525	54.42	0.183	0.97	0.000	0.776	1.41	1.00	1.41
11.65	117.13	0.528	54.73	0.185	0.97	0.000	0.776	1.40	1.00	1.40
11.70	117.44	0.531	55.04	0.186	0.97	0.000	0.776	1.40	1.00	1.40
11.75	117.75	0.534	55.35	0.187	0.97	0.000	0.776	1.40	1.00	1.40
11.80	118.06	0.536	55.66	0.188	0.97	0.000	0.776	1.40	1.00	1.40
11.85	118.37	0.539	55.97	0.190	0.97	0.000	0.776	1.39	1.00	1.39
11.90	118.68	0.542	56.28	0.191	0.97	0.000	0.776	1.39	1.00	1.39
11.95	118.99	0.545	56.59	0.192	0.97	0.000	0.776	1.39	1.00	1.39
12.00	119.30	0.548	56.90	0.194	0.97	0.000	0.776	1.39	1.00	1.39
12.05	119.61	0.550	57.21	0.195	0.97	0.000	0.776	1.38	1.00	1.38
12.10	119.92	0.553	57.52	0.196	0.97	0.000	0.776	1.38	1.00	1.38
12.15	120.23	0.556	57.83	0.198	0.97	0.000	0.776	1.38	1.00	1.38
12.20	120.54	0.559	58.14	0.199	0.97	0.000	0.776	1.38	1.00	1.38
12.25	120.85	0.562	58.45	0.201	0.97	0.000	0.776	1.37	1.00	1.37
12.30	121.16	0.565	58.76	0.202	0.97	0.000	0.776	1.37	1.00	1.37
12.35	121.47	0.568	59.07	0.203	0.97	0.000	0.776	1.37	1.00	1.37
12.40	121.78	0.570	59.38	0.205	0.97	0.000	0.776	1.36	1.00	1.36
12.45	122.09	0.573	59.69	0.206	0.97	0.000	0.776	1.36	1.00	1.36
12.50	122.40	0.576	60.00	0.208	0.97	0.000	0.776	1.36	1.00	1.36
12.55	122.38	0.579	59.98	0.209	0.97	0.000	0.776	1.36	1.00	1.36
12.60	122.37	0.582	59.97	0.210	0.97	0.000	0.776	1.35	1.00	1.35
12.65	122.35	0.585	59.95	0.212	0.97	0.000	0.776	1.35	1.00	1.35
12.70	122.34	0.588	59.94	0.213	0.97	0.000	0.776	1.35	1.00	1.35
12.75	122.32	0.591	59.92	0.215	0.97	0.000	0.776	1.35	1.00	1.35
12.80	122.30	0.593	59.90	0.216	0.97	0.000	0.776	1.34	1.00	1.34
12.85	122.29	0.596	59.89	0.217	0.97	0.000	0.776	1.34	1.00	1.34
12.90	122.27	0.599	59.87	0.219	0.97	0.000	0.776	1.34	1.00	1.34
12.95	122.26	0.602	59.86	0.220	0.97	0.000	0.776	1.34	1.00	1.34
13.00	122.24	0.605	59.84	0.222	0.97	0.000	0.776	1.33	1.00	1.33
13.05	122.22	0.608	59.82	0.223	0.97	0.000	0.776	1.33	1.00	1.33
13.10	122.21	0.611	59.81	0.225	0.97	0.000	0.776	1.33	1.00	1.33
13.15	122.19	0.614	59.79	0.226	0.97	0.000	0.776	1.33	1.00	1.33
13.20	122.18	0.617	59.78	0.227	0.97	0.000	0.776	1.33	1.00	1.33
13.25	122.16	0.619	59.76	0.229	0.97	0.000	0.776	1.32	1.00	1.32
13.30	122.14	0.622	59.74	0.230	0.97	0.000	0.776	1.32	1.00	1.32
13.35	122.13	0.625	59.73	0.232	0.97	0.000	0.776	1.32	1.00	1.32
13.40	122.11	0.628	59.71	0.233	0.97	0.000	0.776	1.32	1.00	1.32
13.45	122.10	0.631	59.70	0.234	0.97	0.000	0.776	1.32	1.00	1.32
13.50	122.08	0.634	59.68	0.236	0.97	0.000	0.776	1.31	1.00	1.31
13.55	122.06	0.637	59.66	0.237	0.97	0.000	0.776	1.31	1.00	1.31
13.60	122.05	0.640	59.65	0.239	0.97	0.000	0.776	1.31	1.00	1.31
13.65	122.03	0.643	59.63	0.240	0.97	0.000	0.776	1.31	1.00	1.31
13.70	122.02	0.645	59.62	0.241	0.97	0.000	0.776	1.31	1.00	1.31
13.75	122.00	0.648	59.60	0.243	0.97	0.000	0.776	1.30	1.00	1.30
13.80	121.98	0.651	59.58	0.244	0.97	0.000	0.776	1.30	1.00	1.30
13.85	121.97	0.654	59.57	0.246	0.97	0.000	0.776	1.30	1.00	1.30
13.90	121.95	0.657	59.55	0.247	0.97	0.000	0.776	1.30	1.00	1.30
13.95	121.94	0.660	59.54	0.249	0.97	0.000	0.776	1.30	1.00	1.30
14.00	121.92	0.663	59.52	0.250	0.97	0.000	0.776	1.29	1.00	1.29
14.05	121.90	0.666	59.50	0.251	0.97	0.000	0.776	1.29	1.00	1.29
14.10	121.89	0.668	59.49	0.253	0.97	0.000	0.776	1.29	1.00	1.29
14.15	121.87	0.671	59.47	0.254	0.97	0.000	0.776	1.29	1.00	1.29
14.20	121.86	0.674	59.46	0.256	0.97	0.000	0.776	1.29	1.00	1.29
14.25	121.84	0.677	59.44	0.257	0.97	0.000	0.776	1.29	1.00	1.29
14.30	121.82	0.680	59.42	0.258	0.97	0.000	0.776	1.28	1.00	1.28
14.35	121.81	0.683	59.41	0.260	0.97	0.000	0.776	1.28	1.00	1.28
14.40	121.79	0.686	59.39	0.261	0.97	0.000	0.776	1.28	1.00	1.28
14.45	121.78	0.689	59.38	0.263	0.97	0.000	0.776	1.28	1.00	1.28
14.50	121.76	0.692	59.36	0.264	0.97	0.000	0.776	1.28	1.00	1.28
14.55	121.74	0.694	59.34	0.265	0.97	0.000	0.776	1.28	1.00	1.28
14.60	121.73	0.697	59.33	0.267	0.97	0.000	0.776	1.27	1.00	1.27
14.65	121.71	0.700	59.31	0.268	0.97	0.000	0.776	1.27	1.00	1.27
14.70	121.70	0.703	59.30	0.270	0.97	0.000	0.776	1.27	1.00	1.27
14.75	121.68	0.706	59.28	0.271	0.97	0.000	0.776	1.27	1.00	1.27
14.80	121.66	0.709	59.26	0.272	0.97	0.000	0.776	1.27	1.00	1.27
14.85	121.65	0.712	59.25	0.274	0.97	0.000	0.776	1.27	1.00	1.27
14.90	121.63	0.715	59.23	0.275	0.97	0.000	0.776	1.26	1.00	1.26
14.95	121.62	0.717	59.22	0.277	0.97	0.000	0.776	1.26	1.00	1.26
15.00	121.60	0.720	59.20	0.278	0.97	0.000	0.776	1.26	1.00	1.26
15.05	121.58	0.723	59.18	0.279	0.96	0.000	0.776	1.26	1.00	1.26

15.10	121.57	0.726	59.17	0.281	0.96	0.000	0.776	1.26	1.00	1.26
15.15	121.55	0.729	59.15	0.282	0.96	0.000	0.776	1.26	1.00	1.26
15.20	121.54	0.732	59.14	0.284	0.96	0.000	0.776	1.26	1.00	1.26
15.25	121.52	0.735	59.12	0.285	0.96	0.000	0.776	1.25	1.00	1.25
15.30	121.50	0.738	59.10	0.286	0.96	0.000	0.776	1.25	1.00	1.25
15.35	121.49	0.740	59.09	0.288	0.96	0.000	0.776	1.25	1.00	1.25
15.40	121.47	0.743	59.07	0.289	0.96	0.000	0.776	1.25	1.00	1.25
15.45	121.46	0.746	59.06	0.291	0.96	0.000	0.776	1.25	1.00	1.25
15.50	121.44	0.749	59.04	0.292	0.96	0.000	0.776	1.25	1.00	1.25
15.55	121.42	0.752	59.02	0.293	0.96	0.000	0.776	1.25	1.00	1.25
15.60	121.41	0.755	59.01	0.295	0.96	0.000	0.776	1.24	1.00	1.24
15.65	121.39	0.758	58.99	0.296	0.96	0.000	0.776	1.24	1.00	1.24
15.70	121.38	0.760	58.98	0.298	0.96	0.000	0.776	1.24	1.00	1.24
15.75	121.36	0.763	58.96	0.299	0.96	0.000	0.776	1.24	1.00	1.24
15.80	121.34	0.766	58.94	0.300	0.96	0.000	0.776	1.24	1.00	1.24
15.85	121.33	0.769	58.93	0.302	0.96	0.000	0.776	1.24	1.00	1.24
15.90	121.31	0.772	58.91	0.303	0.96	0.000	0.776	1.24	1.00	1.24
15.95	121.30	0.775	58.90	0.304	0.96	0.000	0.776	1.24	1.00	1.24
16.00	121.28	0.778	58.88	0.306	0.96	0.000	0.776	1.23	1.00	1.23
16.05	121.26	0.781	58.86	0.307	0.96	0.000	0.776	1.23	1.00	1.23
16.10	121.25	0.783	58.85	0.309	0.96	0.000	0.776	1.23	1.00	1.23
16.15	121.23	0.786	58.83	0.310	0.96	0.000	0.776	1.23	1.00	1.23
16.20	121.22	0.789	58.82	0.311	0.96	0.000	0.776	1.23	1.00	1.23
16.25	121.20	0.792	58.80	0.313	0.96	0.000	0.776	1.23	1.00	1.23
16.30	121.18	0.795	58.78	0.314	0.96	0.000	0.776	1.23	1.00	1.23
16.35	121.17	0.798	58.77	0.316	0.96	0.000	0.776	1.23	1.00	1.23
16.40	121.15	0.801	58.75	0.317	0.96	0.000	0.776	1.23	1.00	1.23
16.45	121.14	0.803	58.74	0.318	0.96	0.000	0.776	1.22	1.00	1.22
16.50	121.12	0.806	58.72	0.320	0.96	0.000	0.776	1.22	1.00	1.22
16.55	121.10	0.809	58.70	0.321	0.96	0.000	0.776	1.22	1.00	1.22
16.60	121.09	0.812	58.69	0.323	0.96	0.000	0.776	1.22	1.00	1.22
16.65	121.07	0.815	58.67	0.324	0.96	0.000	0.776	1.22	1.00	1.22
16.70	121.06	0.818	58.66	0.325	0.96	0.000	0.776	1.22	1.00	1.22
16.75	121.04	0.821	58.64	0.327	0.96	0.000	0.776	1.22	1.00	1.22
16.80	121.02	0.823	58.62	0.328	0.96	0.000	0.776	1.22	1.00	1.22
16.85	121.01	0.826	58.61	0.329	0.96	0.000	0.776	1.22	1.00	1.22
16.90	120.99	0.829	58.59	0.331	0.96	0.000	0.776	1.21	1.00	1.21
16.95	120.98	0.832	58.58	0.332	0.96	0.000	0.776	1.21	1.00	1.21
17.00	120.96	0.835	58.56	0.334	0.96	0.000	0.776	1.21	1.00	1.21
17.05	120.94	0.838	58.54	0.335	0.96	0.000	0.776	1.21	1.00	1.21
17.10	120.93	0.841	58.53	0.336	0.96	0.000	0.776	1.21	1.00	1.21
17.15	120.91	0.843	58.51	0.338	0.96	0.000	0.776	1.21	1.00	1.21
17.20	120.90	0.846	58.50	0.339	0.96	0.000	0.776	1.21	1.00	1.21
17.25	120.88	0.849	58.48	0.341	0.96	0.000	0.776	1.21	1.00	1.21
17.30	120.86	0.852	58.46	0.342	0.96	0.000	0.776	1.21	1.00	1.21
17.35	120.85	0.855	58.45	0.343	0.96	0.000	0.776	1.21	1.00	1.21
17.40	120.83	0.858	58.43	0.345	0.96	0.000	0.776	1.20	1.00	1.20
17.45	120.82	0.861	58.42	0.346	0.96	0.000	0.776	1.20	1.00	1.20
17.50	120.80	0.863	58.40	0.347	0.96	0.000	0.776	1.20	1.00	1.20
17.55	120.82	0.866	58.42	0.349	0.96	0.000	0.776	1.20	1.00	1.20
17.60	120.84	0.869	58.44	0.350	0.96	0.000	0.776	1.20	1.00	1.20
17.65	120.86	0.872	58.46	0.352	0.96	0.000	0.776	1.20	1.00	1.20
17.70	120.88	0.875	58.48	0.353	0.96	0.000	0.776	1.20	1.00	1.20
17.75	120.90	0.878	58.50	0.354	0.96	0.000	0.776	1.20	1.00	1.20
17.80	120.92	0.881	58.52	0.356	0.96	0.000	0.776	1.20	1.00	1.20
17.85	120.94	0.883	58.54	0.357	0.96	0.000	0.776	1.20	1.00	1.20
17.90	120.96	0.886	58.56	0.358	0.96	0.000	0.776	1.19	1.00	1.19
17.95	120.98	0.889	58.58	0.360	0.96	0.000	0.776	1.19	1.00	1.19
18.00	121.00	0.892	58.60	0.361	0.96	0.000	0.776	1.19	1.00	1.19
18.05	121.02	0.895	58.62	0.363	0.96	0.000	0.776	1.19	1.00	1.19
18.10	121.04	0.898	58.64	0.364	0.96	0.000	0.776	1.19	1.00	1.19
18.15	121.06	0.901	58.66	0.365	0.96	0.000	0.776	1.19	1.00	1.19
18.20	121.08	0.903	58.68	0.367	0.96	0.000	0.776	1.19	1.00	1.19
18.25	121.10	0.906	58.70	0.368	0.96	0.000	0.776	1.19	1.00	1.19
18.30	121.12	0.909	58.72	0.370	0.96	0.000	0.776	1.19	1.00	1.19
18.35	121.14	0.912	58.74	0.371	0.96	0.000	0.776	1.19	1.00	1.19
18.40	121.16	0.915	58.76	0.372	0.96	0.000	0.776	1.19	1.00	1.19
18.45	121.18	0.918	58.78	0.374	0.96	0.000	0.776	1.19	1.00	1.19
18.50	121.20	0.921	58.80	0.375	0.96	0.000	0.776	1.18	1.00	1.18
18.55	121.22	0.924	58.82	0.377	0.96	0.000	0.776	1.18	1.00	1.18
18.60	121.24	0.926	58.84	0.378	0.96	0.000	0.776	1.18	1.00	1.18
18.65	121.26	0.929	58.86	0.379	0.96	0.000	0.776	1.18	1.00	1.18
18.70	121.28	0.932	58.88	0.381	0.96	0.000	0.776	1.18	1.00	1.18

18.75	121.30	0.935	58.90	0.382	0.96	0.000	0.776	1.18	1.00	1.18
18.80	121.32	0.938	58.92	0.383	0.96	0.000	0.776	1.18	1.00	1.18
18.85	121.34	0.941	58.94	0.385	0.96	0.000	0.776	1.18	1.00	1.18
18.90	121.36	0.944	58.96	0.386	0.96	0.000	0.776	1.18	1.00	1.18
18.95	121.38	0.946	58.98	0.388	0.96	0.000	0.776	1.18	1.00	1.18
19.00	121.40	0.949	59.00	0.389	0.96	0.000	0.776	1.18	1.00	1.18
19.05	121.42	0.952	59.02	0.390	0.96	0.000	0.776	1.18	1.00	1.18
19.10	121.44	0.955	59.04	0.392	0.96	0.000	0.776	1.17	1.00	1.17
19.15	121.46	0.958	59.06	0.393	0.96	0.000	0.776	1.17	1.00	1.17
19.20	121.48	0.961	59.08	0.395	0.96	0.000	0.776	1.17	1.00	1.17
19.25	121.50	0.964	59.10	0.396	0.96	0.000	0.776	1.17	1.00	1.17
19.30	121.52	0.967	59.12	0.397	0.96	0.000	0.776	1.17	1.00	1.17
19.35	121.54	0.969	59.14	0.399	0.95	0.000	0.776	1.17	1.00	1.17
19.40	121.56	0.972	59.16	0.400	0.95	0.000	0.776	1.17	1.00	1.17
19.45	121.58	0.975	59.18	0.402	0.95	0.000	0.776	1.17	1.00	1.17
19.50	121.60	0.978	59.20	0.403	0.95	0.000	0.776	1.17	1.00	1.17
19.55	121.62	0.981	59.22	0.404	0.95	0.000	0.776	1.17	1.00	1.17
19.60	121.64	0.984	59.24	0.406	0.95	0.000	0.776	1.17	1.00	1.17
19.65	121.66	0.987	59.26	0.407	0.95	0.000	0.776	1.17	1.00	1.17
19.70	121.68	0.989	59.28	0.409	0.95	0.000	0.776	1.17	1.00	1.17
19.75	121.70	0.992	59.30	0.410	0.95	0.000	0.776	1.16	1.00	1.16
19.80	121.72	0.995	59.32	0.411	0.95	0.000	0.776	1.16	1.00	1.16
19.85	121.74	0.998	59.34	0.413	0.95	0.000	0.776	1.16	1.00	1.16
19.90	121.76	1.001	59.36	0.414	0.95	0.000	0.776	1.16	1.00	1.16
19.95	121.78	1.004	59.38	0.416	0.95	0.000	0.776	1.16	1.00	1.16
20.00	121.80	1.007	59.40	0.417	0.95	0.000	0.776	1.16	1.00	1.16
20.05	121.82	1.010	59.42	0.418	0.95	0.000	0.776	1.16	1.00	1.16
20.10	121.84	1.013	59.44	0.420	0.95	0.000	0.776	1.16	1.00	1.16
20.15	121.86	1.015	59.46	0.421	0.95	0.000	0.776	1.16	1.00	1.16
20.20	121.88	1.018	59.48	0.423	0.95	0.000	0.776	1.16	1.00	1.16
20.25	121.90	1.021	59.50	0.424	0.95	0.000	0.776	1.16	1.00	1.16
20.30	121.92	1.024	59.52	0.425	0.95	0.000	0.776	1.16	1.00	1.16
20.35	121.94	1.027	59.54	0.427	0.95	0.000	0.776	1.16	1.00	1.16
20.40	121.96	1.030	59.56	0.428	0.95	0.000	0.776	1.16	1.00	1.16
20.45	121.98	1.033	59.58	0.430	0.95	0.000	0.776	1.15	1.00	1.15
20.50	122.00	1.036	59.60	0.431	0.95	0.000	0.776	1.15	1.00	1.15
20.55	122.02	1.038	59.62	0.432	0.95	0.000	0.776	1.15	1.00	1.15
20.60	122.04	1.041	59.64	0.434	0.95	0.000	0.776	1.15	1.00	1.15
20.65	122.06	1.044	59.66	0.435	0.95	0.000	0.776	1.15	1.00	1.15
20.70	122.08	1.047	59.68	0.437	0.95	0.000	0.776	1.15	1.00	1.15
20.75	122.10	1.050	59.70	0.438	0.95	0.000	0.776	1.15	1.00	1.15
20.80	122.12	1.053	59.72	0.440	0.95	0.000	0.776	1.15	1.00	1.15
20.85	122.14	1.056	59.74	0.441	0.95	0.000	0.776	1.15	1.00	1.15
20.90	122.16	1.059	59.76	0.442	0.95	0.000	0.776	1.15	1.00	1.15
20.95	122.18	1.062	59.78	0.444	0.95	0.000	0.776	1.15	1.00	1.15
21.00	122.20	1.064	59.80	0.445	0.95	0.000	0.776	1.15	1.00	1.15
21.05	122.22	1.067	59.82	0.447	0.95	0.000	0.776	1.15	1.00	1.15
21.10	122.24	1.070	59.84	0.448	0.95	0.000	0.776	1.15	1.00	1.15
21.15	122.26	1.073	59.86	0.449	0.95	0.000	0.776	1.14	1.00	1.14
21.20	122.28	1.076	59.88	0.451	0.95	0.000	0.776	1.14	1.00	1.14
21.25	122.30	1.079	59.90	0.452	0.95	0.000	0.776	1.14	1.00	1.14
21.30	122.32	1.082	59.92	0.454	0.95	0.000	0.776	1.14	1.00	1.14
21.35	122.34	1.085	59.94	0.455	0.95	0.000	0.776	1.14	1.00	1.14
21.40	122.36	1.088	59.96	0.456	0.95	0.000	0.776	1.14	1.00	1.14
21.45	122.38	1.090	59.98	0.458	0.95	0.000	0.776	1.14	1.00	1.14
21.50	122.40	1.093	60.00	0.459	0.95	0.000	0.776	1.14	1.00	1.14
21.55	122.42	1.096	60.02	0.461	0.95	0.000	0.776	1.14	1.00	1.14
21.60	122.44	1.099	60.04	0.462	0.95	0.000	0.776	1.14	1.00	1.14
21.65	122.46	1.102	60.06	0.464	0.95	0.000	0.776	1.14	1.00	1.14
21.70	122.48	1.105	60.08	0.465	0.95	0.000	0.776	1.14	1.00	1.14
21.75	122.50	1.108	60.10	0.466	0.95	0.000	0.776	1.14	1.00	1.14
21.80	122.52	1.111	60.12	0.468	0.95	0.000	0.776	1.14	1.00	1.14
21.85	122.54	1.114	60.14	0.469	0.95	0.000	0.776	1.14	1.00	1.14
21.90	122.56	1.116	60.16	0.471	0.95	0.000	0.776	1.14	1.00	1.14
21.95	122.58	1.119	60.18	0.472	0.95	0.000	0.776	1.13	1.00	1.13
22.00	122.60	1.122	60.20	0.474	0.95	0.000	0.776	1.13	1.00	1.13
22.05	122.62	1.125	60.22	0.475	0.95	0.000	0.776	1.13	1.00	1.13
22.10	122.64	1.128	60.24	0.476	0.95	0.000	0.776	1.13	1.00	1.13
22.15	122.66	1.131	60.26	0.478	0.95	0.000	0.776	1.13	1.00	1.13
22.20	122.68	1.134	60.28	0.479	0.95	0.000	0.776	1.13	1.00	1.13
22.25	122.70	1.137	60.30	0.481	0.95	0.000	0.776	1.13	1.00	1.13
22.30	122.72	1.140	60.32	0.482	0.95	0.000	0.776	1.13	1.00	1.13
22.35	122.74	1.143	60.34	0.483	0.95	0.000	0.776	1.13	1.00	1.13

22.40	122.76	1.145	60.36	0.485	0.95	0.000	0.776	1.13	1.00	1.13
22.45	122.78	1.148	60.38	0.486	0.95	0.000	0.776	1.13	1.00	1.13
22.50	122.80	1.151	60.40	0.488	0.95	0.000	0.776	1.13	1.00	1.13
22.55	122.80	1.154	60.40	0.489	0.95	0.000	0.776	1.13	1.00	1.13
22.60	122.79	1.157	60.39	0.491	0.95	0.000	0.776	1.13	1.00	1.13
22.65	122.79	1.160	60.39	0.492	0.95	0.000	0.776	1.13	1.00	1.13
22.70	122.78	1.163	60.38	0.493	0.95	0.000	0.776	1.13	1.00	1.13
22.75	122.78	1.166	60.38	0.495	0.95	0.000	0.776	1.13	1.00	1.13
22.80	122.77	1.169	60.37	0.496	0.95	0.000	0.776	1.12	1.00	1.12
22.85	122.77	1.172	60.37	0.498	0.95	0.000	0.776	1.12	1.00	1.12
22.90	122.76	1.174	60.36	0.499	0.95	0.000	0.776	1.12	1.00	1.12
22.95	122.76	1.177	60.36	0.501	0.95	0.000	0.776	1.12	1.00	1.12
23.00	122.75	1.180	60.35	0.502	0.95	0.000	0.776	1.12	1.00	1.12
23.05	122.75	1.183	60.35	0.503	0.95	0.000	0.776	1.12	1.00	1.12
23.10	122.74	1.186	60.34	0.505	0.95	0.000	0.776	1.12	1.00	1.12
23.15	122.74	1.189	60.34	0.506	0.95	0.000	0.776	1.12	1.00	1.12
23.20	122.73	1.192	60.33	0.508	0.95	0.000	0.776	1.12	1.00	1.12
23.25	122.73	1.195	60.33	0.509	0.95	0.000	0.776	1.12	1.00	1.12
23.30	122.72	1.198	60.32	0.511	0.95	0.000	0.776	1.12	1.00	1.12
23.35	122.72	1.201	60.32	0.512	0.95	0.000	0.776	1.12	1.00	1.12
23.40	122.71	1.203	60.31	0.513	0.95	0.000	0.776	1.12	1.00	1.12
23.45	122.71	1.206	60.31	0.515	0.95	0.000	0.776	1.12	1.00	1.12
23.50	122.70	1.209	60.30	0.516	0.95	0.000	0.776	1.12	1.00	1.12
23.55	122.70	1.212	60.30	0.518	0.95	0.000	0.776	1.12	1.00	1.12
23.60	122.69	1.215	60.29	0.519	0.94	0.000	0.776	1.12	1.00	1.12
23.65	122.69	1.218	60.29	0.521	0.94	0.000	0.776	1.12	1.00	1.12
23.70	122.68	1.221	60.28	0.522	0.94	0.000	0.776	1.11	1.00	1.11
23.75	122.68	1.224	60.28	0.523	0.94	0.000	0.776	1.11	1.00	1.11
23.80	122.67	1.227	60.27	0.525	0.94	0.000	0.776	1.11	1.00	1.11
23.85	122.67	1.230	60.27	0.526	0.94	0.000	0.776	1.11	1.00	1.11
23.90	122.66	1.232	60.26	0.528	0.94	0.000	0.776	1.11	1.00	1.11
23.95	122.66	1.235	60.26	0.529	0.94	0.000	0.776	1.11	1.00	1.11
24.00	122.65	1.238	60.25	0.531	0.94	0.000	0.776	1.11	1.00	1.11
24.05	122.65	1.241	60.25	0.532	0.94	0.000	0.776	1.11	1.00	1.11
24.10	122.64	1.244	60.24	0.533	0.94	0.000	0.776	1.11	1.00	1.11
24.15	122.64	1.247	60.24	0.535	0.94	0.000	0.776	1.11	1.00	1.11
24.20	122.63	1.250	60.23	0.536	0.94	0.000	0.776	1.11	1.00	1.11
24.25	122.63	1.253	60.23	0.538	0.94	0.000	0.776	1.11	1.00	1.11
24.30	122.62	1.256	60.22	0.539	0.94	0.000	0.776	1.11	1.00	1.11
24.35	122.62	1.258	60.22	0.540	0.94	0.000	0.776	1.11	1.00	1.11
24.40	122.61	1.261	60.21	0.542	0.94	0.000	0.776	1.11	1.00	1.11
24.45	122.61	1.264	60.21	0.543	0.94	0.000	0.776	1.11	1.00	1.11
24.50	122.60	1.267	60.20	0.545	0.94	0.000	0.776	1.11	1.00	1.11
24.55	122.60	1.270	60.20	0.546	0.94	0.000	0.776	1.11	1.00	1.11
24.60	122.59	1.273	60.19	0.548	0.94	0.000	0.776	1.11	1.00	1.11
24.65	122.59	1.276	60.19	0.549	0.94	0.000	0.776	1.10	1.00	1.10
24.70	122.58	1.279	60.18	0.550	0.94	0.000	0.776	1.10	1.00	1.10
24.75	122.58	1.282	60.18	0.552	0.94	0.000	0.776	1.10	1.00	1.10
24.80	122.57	1.285	60.17	0.553	0.94	0.000	0.776	1.10	1.00	1.10
24.85	122.57	1.287	60.17	0.555	0.94	0.000	0.776	1.10	1.00	1.10
24.90	122.56	1.290	60.16	0.556	0.94	0.000	0.776	1.10	1.00	1.10
24.95	122.56	1.293	60.16	0.558	0.94	0.000	0.776	1.10	1.00	1.10
25.00	122.55	1.296	60.15	0.559	0.94	0.000	0.776	1.10	1.00	1.10
25.05	122.55	1.299	60.15	0.560	0.94	0.000	0.776	1.10	1.00	1.10
25.10	122.54	1.302	60.14	0.562	0.94	0.000	0.776	1.10	1.00	1.10
25.15	122.54	1.305	60.14	0.563	0.94	0.000	0.776	1.10	1.00	1.10
25.20	122.53	1.308	60.13	0.565	0.94	0.000	0.776	1.10	1.00	1.10
25.25	122.53	1.311	60.13	0.566	0.94	0.000	0.776	1.10	1.00	1.10
25.30	122.52	1.314	60.12	0.568	0.94	0.000	0.776	1.10	1.00	1.10
25.35	122.52	1.316	60.12	0.569	0.94	0.000	0.776	1.10	1.00	1.10
25.40	122.51	1.319	60.11	0.570	0.94	0.000	0.776	1.10	1.00	1.10
25.45	122.51	1.322	60.11	0.572	0.94	0.000	0.776	1.10	1.00	1.10
25.50	122.50	1.325	60.10	0.573	0.94	0.000	0.776	1.10	1.00	1.10
25.55	122.50	1.328	60.10	0.575	0.94	0.000	0.776	1.10	1.00	1.10
25.60	122.49	1.331	60.09	0.576	0.94	0.000	0.776	1.10	1.00	1.10
25.65	122.49	1.334	60.09	0.577	0.94	0.000	0.776	1.10	1.00	1.10
25.70	122.48	1.337	60.08	0.579	0.94	0.000	0.776	1.09	1.00	1.09
25.75	122.48	1.340	60.08	0.580	0.94	0.000	0.776	1.09	1.00	1.09
25.80	122.47	1.342	60.07	0.582	0.94	0.000	0.776	1.09	1.00	1.09
25.85	122.47	1.345	60.07	0.583	0.94	0.000	0.776	1.09	1.00	1.09
25.90	122.46	1.348	60.06	0.585	0.94	0.000	0.776	1.09	1.00	1.09
25.95	122.46	1.351	60.06	0.586	0.94	0.000	0.776	1.09	1.00	1.09
26.00	122.45	1.354	60.05	0.587	0.94	0.000	0.776	1.09	1.00	1.09

26.05	122.45	1.357	60.05	0.589	0.94	0.000	0.776	1.09	1.00	1.09
26.10	122.44	1.360	60.04	0.590	0.94	0.000	0.776	1.09	1.00	1.09
26.15	122.44	1.363	60.04	0.592	0.94	0.000	0.776	1.09	1.00	1.09
26.20	122.43	1.366	60.03	0.593	0.94	0.000	0.776	1.09	1.00	1.09
26.25	122.43	1.368	60.03	0.594	0.94	0.000	0.776	1.09	1.00	1.09
26.30	122.42	1.371	60.02	0.596	0.94	0.000	0.776	1.09	1.00	1.09
26.35	122.42	1.374	60.02	0.597	0.94	0.000	0.776	1.09	1.00	1.09
26.40	122.41	1.377	60.01	0.599	0.94	0.000	0.776	1.09	1.00	1.09
26.45	122.41	1.380	60.01	0.600	0.94	0.000	0.776	1.09	1.00	1.09
26.50	122.40	1.383	60.00	0.602	0.94	0.000	0.776	1.09	1.00	1.09
26.55	122.40	1.386	60.00	0.603	0.94	0.000	0.776	1.09	1.00	1.09
26.60	122.39	1.389	59.99	0.604	0.94	0.000	0.776	1.09	1.00	1.09
26.65	122.39	1.392	59.99	0.606	0.94	0.000	0.776	1.09	1.00	1.09
26.70	122.38	1.395	59.98	0.607	0.94	0.000	0.776	1.09	1.00	1.09
26.75	122.38	1.397	59.98	0.609	0.94	0.000	0.776	1.09	1.00	1.09
26.80	122.37	1.400	59.97	0.610	0.94	0.000	0.776	1.09	1.00	1.09
26.85	122.37	1.403	59.97	0.611	0.94	0.000	0.776	1.09	1.00	1.09
26.90	122.36	1.406	59.96	0.613	0.94	0.000	0.776	1.08	1.00	1.08
26.95	122.36	1.409	59.96	0.614	0.94	0.000	0.776	1.08	1.00	1.08
27.00	122.35	1.412	59.95	0.616	0.94	0.000	0.776	1.08	1.00	1.08
27.05	122.35	1.415	59.95	0.617	0.94	0.000	0.776	1.08	1.00	1.08
27.10	122.34	1.418	59.94	0.619	0.94	0.000	0.776	1.08	1.00	1.08
27.15	122.34	1.421	59.94	0.620	0.94	0.000	0.776	1.08	1.00	1.08
27.20	122.33	1.423	59.93	0.621	0.94	0.000	0.776	1.08	1.00	1.08
27.25	122.33	1.426	59.93	0.623	0.94	0.000	0.776	1.08	1.00	1.08
27.30	122.32	1.429	59.92	0.624	0.94	0.000	0.776	1.08	1.00	1.08
27.35	122.32	1.432	59.92	0.626	0.94	0.000	0.776	1.08	1.00	1.08
27.40	122.31	1.435	59.91	0.627	0.94	0.000	0.776	1.08	1.00	1.08
27.45	122.31	1.438	59.91	0.628	0.94	0.000	0.776	1.08	1.00	1.08
27.50	122.30	1.441	59.90	0.630	0.94	0.000	0.776	1.08	1.00	1.08
27.55	122.29	1.444	59.89	0.631	0.94	0.000	0.776	1.08	1.00	1.08
27.60	122.27	1.447	59.87	0.633	0.94	0.000	0.776	1.08	1.00	1.08
27.65	122.26	1.449	59.86	0.634	0.94	0.000	0.776	1.08	1.00	1.08
27.70	122.25	1.452	59.85	0.636	0.94	0.000	0.776	1.08	1.00	1.08
27.75	122.24	1.455	59.84	0.637	0.94	0.000	0.776	1.08	1.00	1.08
27.80	122.22	1.458	59.82	0.638	0.94	0.000	0.776	1.08	1.00	1.08
27.85	122.21	1.461	59.81	0.640	0.94	0.000	0.776	1.08	1.00	1.08
27.90	122.20	1.464	59.80	0.641	0.93	0.000	0.776	1.08	1.00	1.08
27.95	122.18	1.467	59.78	0.643	0.93	0.000	0.776	1.08	1.00	1.08
28.00	122.17	1.470	59.77	0.644	0.93	0.000	0.776	1.08	1.00	1.08
28.05	122.16	1.473	59.76	0.645	0.93	0.000	0.776	1.08	1.00	1.08
28.10	122.14	1.475	59.74	0.647	0.93	0.000	0.776	1.08	1.00	1.08
28.15	122.13	1.478	59.73	0.648	0.93	0.000	0.776	1.07	1.00	1.07
28.20	122.12	1.481	59.72	0.650	0.93	0.000	0.776	1.07	1.00	1.07
28.25	122.11	1.484	59.71	0.651	0.93	0.000	0.776	1.07	1.00	1.07
28.30	122.09	1.487	59.69	0.652	0.93	0.000	0.776	1.07	1.00	1.07
28.35	122.08	1.490	59.68	0.654	0.93	0.000	0.776	1.07	1.00	1.07
28.40	122.07	1.493	59.67	0.655	0.93	0.000	0.776	1.07	1.00	1.07
28.45	122.05	1.496	59.65	0.657	0.93	0.000	0.776	1.07	1.00	1.07
28.50	122.04	1.499	59.64	0.658	0.93	0.000	0.776	1.07	1.00	1.07
28.55	122.03	1.501	59.63	0.660	0.93	0.000	0.776	1.07	1.00	1.07
28.60	122.01	1.504	59.61	0.661	0.93	0.000	0.776	1.07	1.00	1.07
28.65	122.00	1.507	59.60	0.662	0.93	0.000	0.776	1.07	1.00	1.07
28.70	121.99	1.510	59.59	0.664	0.93	0.000	0.776	1.07	1.00	1.07
28.75	121.98	1.513	59.58	0.665	0.93	0.000	0.776	1.07	1.00	1.07
28.80	121.96	1.516	59.56	0.667	0.93	0.000	0.776	1.07	1.00	1.07
28.85	121.95	1.519	59.55	0.668	0.93	0.000	0.776	1.07	1.00	1.07
28.90	121.94	1.522	59.54	0.669	0.93	0.000	0.776	1.07	1.00	1.07
28.95	121.92	1.524	59.52	0.671	0.93	0.000	0.776	1.07	1.00	1.07
29.00	121.91	1.527	59.51	0.672	0.93	0.000	0.776	1.07	1.00	1.07
29.05	121.90	1.530	59.50	0.674	0.93	0.000	0.776	1.07	1.00	1.07
29.10	121.88	1.533	59.48	0.675	0.93	0.000	0.776	1.07	1.00	1.07
29.15	121.87	1.536	59.47	0.676	0.93	0.000	0.776	1.07	1.00	1.07
29.20	121.86	1.539	59.46	0.678	0.93	0.000	0.776	1.07	1.00	1.07
29.25	121.85	1.542	59.45	0.679	0.93	0.000	0.776	1.07	1.00	1.07
29.30	121.83	1.545	59.43	0.681	0.93	0.000	0.776	1.07	1.00	1.07
29.35	121.82	1.547	59.42	0.682	0.93	0.000	0.776	1.07	1.00	1.07
29.40	121.81	1.550	59.41	0.683	0.93	0.000	0.776	1.07	1.00	1.07
29.45	121.79	1.553	59.39	0.685	0.93	0.000	0.776	1.07	1.00	1.07
29.50	121.78	1.556	59.38	0.686	0.93	0.000	0.776	1.07	1.00	1.07
29.55	121.77	1.559	59.37	0.688	0.93	0.000	0.776	1.06	1.00	1.06
29.60	121.75	1.562	59.35	0.689	0.93	0.000	0.776	1.06	1.00	1.06
29.65	121.74	1.565	59.34	0.690	0.93	0.000	0.776	1.06	1.00	1.06

29.70	121.73	1.568	59.33	0.692	0.93	0.000	0.776	1.06	1.00	1.06
29.75	121.72	1.571	59.32	0.693	0.93	0.000	0.776	1.06	1.00	1.06
29.80	121.70	1.573	59.30	0.695	0.93	0.000	0.776	1.06	1.00	1.06
29.85	121.69	1.576	59.29	0.696	0.93	0.000	0.776	1.06	1.00	1.06
29.90	121.68	1.579	59.28	0.697	0.93	0.000	0.776	1.06	1.00	1.06
29.95	121.66	1.582	59.26	0.699	0.93	0.000	0.776	1.06	1.00	1.06
30.00	121.65	1.585	59.25	0.700	0.93	0.000	0.776	1.06	1.00	1.06
30.05	121.64	1.588	59.24	0.702	0.93	0.000	0.776	1.06	1.00	1.06
30.10	121.62	1.591	59.22	0.703	0.93	0.000	0.776	1.06	1.00	1.06
30.15	121.61	1.594	59.21	0.704	0.93	0.000	0.776	1.06	1.00	1.06
30.20	121.60	1.596	59.20	0.706	0.93	0.000	0.776	1.06	1.00	1.06
30.25	121.59	1.599	59.19	0.707	0.93	0.000	0.776	1.06	1.00	1.06
30.30	121.57	1.602	59.17	0.709	0.93	0.000	0.776	1.06	1.00	1.06
30.35	121.56	1.605	59.16	0.710	0.93	0.000	0.776	1.06	1.00	1.06
30.40	121.55	1.608	59.15	0.711	0.93	0.000	0.776	1.06	1.00	1.06
30.45	121.53	1.611	59.13	0.713	0.93	0.000	0.776	1.06	1.00	1.06
30.50	121.52	1.614	59.12	0.714	0.93	0.000	0.776	1.05	1.00	1.05
30.55	121.51	1.616	59.11	0.716	0.93	0.000	0.776	1.05	1.00	1.05
30.60	121.49	1.619	59.09	0.717	0.92	0.000	0.776	1.05	1.00	1.05
30.65	121.48	1.622	59.08	0.718	0.92	0.000	0.776	1.05	1.00	1.05
30.70	121.47	1.625	59.07	0.720	0.92	0.000	0.776	1.05	1.00	1.05
30.75	121.46	1.628	59.06	0.721	0.92	0.000	0.776	1.05	1.00	1.05
30.80	121.44	1.631	59.04	0.723	0.92	0.000	0.776	1.05	1.00	1.05
30.85	121.43	1.634	59.03	0.724	0.92	0.000	0.776	1.05	1.00	1.05
30.90	121.42	1.637	59.02	0.725	0.92	0.000	0.776	1.05	1.00	1.05
30.95	121.40	1.639	59.00	0.727	0.92	0.000	0.776	1.05	1.00	1.05
31.00	121.39	1.642	58.99	0.728	0.92	0.000	0.776	1.05	1.00	1.05
31.05	121.38	1.645	58.98	0.730	0.92	0.000	0.776	1.05	1.00	1.05
31.10	121.36	1.648	58.96	0.731	0.92	0.000	0.776	1.05	1.00	1.05
31.15	121.35	1.651	58.95	0.732	0.92	0.000	0.776	1.05	1.00	1.05
31.20	121.34	1.654	58.94	0.734	0.92	0.000	0.776	1.05	1.00	1.05
31.25	121.33	1.657	58.93	0.735	0.92	0.000	0.776	1.05	1.00	1.05
31.30	121.31	1.660	58.91	0.737	0.92	0.000	0.776	1.04	1.00	1.04
31.35	121.30	1.662	58.90	0.738	0.92	0.000	0.776	1.04	1.00	1.04
31.40	121.29	1.665	58.89	0.739	0.92	0.000	0.776	1.04	1.00	1.04
31.45	121.27	1.668	58.87	0.741	0.92	0.000	0.776	1.04	1.00	1.04
31.50	121.26	1.671	58.86	0.742	0.92	0.000	0.776	1.04	1.00	1.04
31.55	121.25	1.674	58.85	0.744	0.92	0.000	0.776	1.04	1.00	1.04
31.60	121.23	1.677	58.83	0.745	0.92	0.000	0.776	1.04	1.00	1.04
31.65	121.22	1.680	58.82	0.746	0.92	0.000	0.776	1.04	1.00	1.04
31.70	121.21	1.682	58.81	0.748	0.92	0.000	0.776	1.04	1.00	1.04
31.75	121.20	1.685	58.80	0.749	0.92	0.000	0.776	1.04	1.00	1.04
31.80	121.18	1.688	58.78	0.750	0.92	0.000	0.776	1.04	1.00	1.04
31.85	121.17	1.691	58.77	0.752	0.91	0.000	0.776	1.04	1.00	1.04
31.90	121.16	1.694	58.76	0.753	0.91	0.000	0.776	1.04	1.00	1.04
31.95	121.14	1.697	58.74	0.755	0.91	0.000	0.776	1.04	1.00	1.04
32.00	121.13	1.700	58.73	0.756	0.91	0.000	0.776	1.04	1.00	1.04
32.05	121.12	1.702	58.72	0.757	0.91	0.000	0.776	1.04	1.00	1.04
32.10	121.10	1.705	58.70	0.759	0.91	0.000	0.776	1.03	1.00	1.03
32.15	121.09	1.708	58.69	0.760	0.91	0.000	0.776	1.03	1.00	1.03
32.20	121.08	1.711	58.68	0.762	0.91	0.000	0.776	1.03	1.00	1.03
32.25	121.07	1.714	58.67	0.763	0.91	0.000	0.776	1.03	1.00	1.03
32.30	121.05	1.717	58.65	0.764	0.91	0.000	0.776	1.03	1.00	1.03
32.35	121.04	1.720	58.64	0.766	0.91	0.000	0.776	1.03	1.00	1.03
32.40	121.03	1.723	58.63	0.767	0.91	0.000	0.776	1.03	1.00	1.03
32.45	121.01	1.725	58.61	0.769	0.91	0.000	0.776	1.03	1.00	1.03
32.50	121.00	1.728	58.60	0.770	0.91	0.000	0.776	1.03	1.00	1.03
32.55	121.03	1.731	58.63	0.771	0.91	0.000	0.776	1.03	1.00	1.03
32.60	121.07	1.734	58.67	0.773	0.91	0.000	0.776	1.03	1.00	1.03
32.65	121.10	1.737	58.70	0.774	0.91	0.000	0.776	1.03	1.00	1.03
32.70	121.13	1.740	58.73	0.775	0.91	0.000	0.776	1.03	1.00	1.03
32.75	121.16	1.743	58.76	0.777	0.91	0.000	0.776	1.03	1.00	1.03
32.80	121.20	1.745	58.80	0.778	0.91	0.000	0.776	1.03	1.00	1.03
32.85	121.23	1.748	58.83	0.780	0.91	0.000	0.776	1.03	1.00	1.03
32.90	121.26	1.751	58.86	0.781	0.91	0.000	0.776	1.02	1.00	1.02
32.95	121.30	1.754	58.90	0.782	0.91	0.000	0.776	1.02	1.00	1.02
33.00	121.33	1.757	58.93	0.784	0.91	0.000	0.776	1.02	1.00	1.02
33.05	121.36	1.760	58.96	0.785	0.91	0.000	0.776	1.02	1.00	1.02
33.10	121.40	1.763	59.00	0.787	0.90	0.000	0.776	1.02	1.00	1.02
33.15	121.43	1.765	59.03	0.788	0.90	0.000	0.776	1.02	1.00	1.02
33.20	121.46	1.768	59.06	0.789	0.90	0.000	0.776	1.02	1.00	1.02
33.25	121.49	1.771	59.09	0.791	0.90	0.000	0.776	1.02	1.00	1.02
33.30	121.53	1.774	59.13	0.792	0.90	0.000	0.776	1.02	1.00	1.02

33.35	121.56	1.777	59.16	0.794	0.90	0.000	0.776	1.02	1.00	1.02
33.40	121.59	1.780	59.19	0.795	0.90	0.000	0.776	1.02	1.00	1.02
33.45	121.63	1.783	59.23	0.796	0.90	0.000	0.776	1.02	1.00	1.02
33.50	121.66	1.786	59.26	0.798	0.90	0.000	0.776	1.02	1.00	1.02
33.55	121.69	1.788	59.29	0.799	0.90	0.000	0.776	1.02	1.00	1.02
33.60	121.73	1.791	59.33	0.801	0.90	0.000	0.776	1.02	1.00	1.02
33.65	121.76	1.794	59.36	0.802	0.90	0.000	0.776	1.02	1.00	1.02
33.70	121.79	1.797	59.39	0.803	0.90	0.000	0.776	1.02	1.00	1.02
33.75	121.82	1.800	59.42	0.805	0.90	0.000	0.776	1.01	1.00	1.01
33.80	121.86	1.803	59.46	0.806	0.90	0.000	0.776	1.01	1.00	1.01
33.85	121.89	1.806	59.49	0.808	0.90	0.000	0.776	1.01	1.00	1.01
33.90	121.92	1.809	59.52	0.809	0.90	0.000	0.776	1.01	1.00	1.01
33.95	121.96	1.811	59.56	0.810	0.90	0.000	0.776	1.01	1.00	1.01
34.00	121.99	1.814	59.59	0.812	0.90	0.000	0.776	1.01	1.00	1.01
34.05	122.02	1.817	59.62	0.813	0.90	0.000	0.776	1.01	1.00	1.01
34.10	122.06	1.820	59.66	0.815	0.90	0.000	0.776	1.01	1.00	1.01
34.15	122.09	1.823	59.69	0.816	0.90	0.000	0.776	1.01	1.00	1.01
34.20	122.12	1.826	59.72	0.817	0.90	0.000	0.776	1.01	1.00	1.01
34.25	122.15	1.829	59.75	0.819	0.90	0.000	0.776	1.01	1.00	1.01
34.30	122.19	1.832	59.79	0.820	0.89	0.000	0.776	1.01	1.00	1.01
34.35	122.22	1.835	59.82	0.822	0.89	0.000	0.776	1.01	1.00	1.01
34.40	122.25	1.837	59.85	0.823	0.89	0.000	0.776	1.01	1.00	1.01
34.45	122.29	1.840	59.89	0.824	0.89	0.000	0.776	1.01	1.00	1.01
34.50	122.32	1.843	59.92	0.826	0.89	0.000	0.776	1.01	1.00	1.01
34.55	122.35	1.846	59.95	0.827	0.89	0.000	0.776	1.00	1.00	1.00
34.60	122.39	1.849	59.99	0.829	0.89	0.000	0.776	1.00	1.00	1.00
34.65	122.42	1.852	60.02	0.830	0.89	0.000	0.776	1.00	1.00	1.00
34.70	122.45	1.855	60.05	0.832	0.89	0.000	0.776	1.00	1.00	1.00
34.75	122.48	1.858	60.08	0.833	0.89	0.000	0.776	1.00	1.00	1.00
34.80	122.52	1.861	60.12	0.834	0.89	0.000	0.776	1.00	1.00	1.00
34.85	122.55	1.863	60.15	0.836	0.89	0.000	0.776	1.00	1.00	1.00
34.90	122.58	1.866	60.18	0.837	0.89	0.000	0.776	1.00	1.00	1.00
34.95	122.62	1.869	60.22	0.839	0.89	0.000	0.776	1.00	1.00	1.00
35.00	122.65	1.872	60.25	0.840	0.89	0.000	0.776	1.00	1.00	1.00
35.05	122.68	1.875	60.28	0.842	0.89	0.000	0.776	1.00	1.00	1.00
35.10	122.72	1.878	60.32	0.843	0.89	0.000	0.776	1.00	1.00	1.00
35.15	122.75	1.881	60.35	0.844	0.89	0.000	0.776	1.00	1.00	1.00
35.20	122.78	1.884	60.38	0.846	0.89	0.000	0.776	1.00	1.00	1.00
35.25	122.81	1.887	60.41	0.847	0.89	0.000	0.776	1.00	1.00	1.00
35.30	122.85	1.890	60.45	0.849	0.89	0.000	0.776	1.00	1.00	1.00
35.35	122.88	1.892	60.48	0.850	0.89	0.000	0.776	1.00	1.00	1.00
35.40	122.91	1.895	60.51	0.851	0.89	0.000	0.776	0.99	1.00	0.99
35.45	122.95	1.898	60.55	0.853	0.89	0.000	0.776	0.99	1.00	0.99
35.50	122.98	1.901	60.58	0.854	0.89	0.000	0.776	0.99	1.00	0.99
35.55	123.01	1.904	60.61	0.856	0.88	0.000	0.776	0.99	1.00	0.99
35.60	123.05	1.907	60.65	0.857	0.88	0.000	0.776	0.99	1.00	0.99
35.65	123.08	1.910	60.68	0.859	0.88	0.000	0.776	0.99	1.00	0.99
35.70	123.11	1.913	60.71	0.860	0.88	0.000	0.776	0.99	1.00	0.99
35.75	123.14	1.916	60.74	0.862	0.88	0.000	0.776	0.99	1.00	0.99
35.80	123.18	1.919	60.78	0.863	0.88	0.000	0.776	0.99	1.00	0.99
35.85	123.21	1.921	60.81	0.864	0.88	0.000	0.776	0.99	1.00	0.99
35.90	123.24	1.924	60.84	0.866	0.88	0.000	0.776	0.99	1.00	0.99
35.95	123.28	1.927	60.88	0.867	0.88	0.000	0.776	0.99	1.00	0.99
36.00	123.31	1.930	60.91	0.869	0.88	0.000	0.776	0.99	1.00	0.99
36.05	123.34	1.933	60.94	0.870	0.88	0.000	0.776	0.99	1.00	0.99
36.10	123.38	1.936	60.98	0.872	0.88	0.000	0.776	0.99	1.00	0.99
36.15	123.41	1.939	61.01	0.873	0.88	0.000	0.776	0.99	1.00	0.99
36.20	123.44	1.942	61.04	0.874	0.88	0.000	0.776	0.99	1.00	0.99
36.25	123.47	1.945	61.07	0.876	0.88	0.000	0.776	0.98	1.00	0.98
36.30	123.51	1.948	61.11	0.877	0.88	0.000	0.776	0.98	1.00	0.98
36.35	123.54	1.951	61.14	0.879	0.88	0.000	0.776	0.98	1.00	0.98
36.40	123.57	1.954	61.17	0.880	0.88	0.000	0.776	0.98	1.00	0.98
36.45	123.61	1.956	61.21	0.882	0.88	0.000	0.776	0.98	1.00	0.98
36.50	123.64	1.959	61.24	0.883	0.88	0.000	0.776	0.98	1.00	0.98
36.55	123.67	1.962	61.27	0.885	0.88	0.000	0.776	0.98	1.00	0.98
36.60	123.71	1.965	61.31	0.886	0.88	0.000	0.776	0.98	1.00	0.98
36.65	123.74	1.968	61.34	0.887	0.88	0.000	0.776	0.98	1.00	0.98
36.70	123.77	1.971	61.37	0.889	0.88	0.000	0.776	0.98	1.00	0.98
36.75	123.80	1.974	61.40	0.890	0.87	0.000	0.776	0.98	1.00	0.98
36.80	123.84	1.977	61.44	0.892	0.87	0.000	0.776	0.98	1.00	0.98
36.85	123.87	1.980	61.47	0.893	0.87	0.000	0.776	0.98	1.00	0.98
36.90	123.90	1.983	61.50	0.895	0.87	0.000	0.776	0.98	1.00	0.98
36.95	123.94	1.986	61.54	0.896	0.87	0.000	0.776	0.98	1.00	0.98

37.00	123.97	1.989	61.57	0.898	0.87	0.000	0.776	0.98	1.00	0.98
37.05	124.00	1.992	61.60	0.899	0.87	0.000	0.776	0.97	1.00	0.97
37.10	124.04	1.995	61.64	0.901	0.87	0.000	0.776	0.97	1.00	0.97
37.15	124.07	1.997	61.67	0.902	0.87	0.000	0.776	0.97	1.00	0.97
37.20	124.10	2.000	61.70	0.903	0.87	0.000	0.776	0.97	1.00	0.97
37.25	124.13	2.003	61.73	0.905	0.87	0.000	0.776	0.97	1.00	0.97
37.30	124.17	2.006	61.77	0.906	0.87	0.000	0.776	0.97	1.00	0.97
37.35	124.20	2.009	61.80	0.908	0.87	0.000	0.776	0.97	1.00	0.97
37.40	124.23	2.012	61.83	0.909	0.87	0.000	0.776	0.97	1.00	0.97
37.45	124.27	2.015	61.87	0.911	0.87	0.000	0.776	0.97	1.00	0.97
37.50	124.30	2.018	61.90	0.912	0.87	0.000	0.776	0.97	1.00	0.97
37.55	124.34	2.021	61.94	0.914	0.87	0.000	0.776	0.97	1.00	0.97
37.60	124.37	2.024	61.97	0.915	0.87	0.000	0.776	0.97	1.00	0.97
37.65	124.41	2.027	62.01	0.917	0.87	0.000	0.776	0.97	1.00	0.97
37.70	124.45	2.030	62.05	0.918	0.87	0.000	0.776	0.97	1.00	0.97
37.75	124.48	2.033	62.08	0.920	0.87	0.000	0.776	0.97	1.00	0.97
37.80	124.52	2.036	62.12	0.921	0.87	0.000	0.776	0.97	1.00	0.97
37.85	124.56	2.039	62.16	0.922	0.87	0.000	0.776	0.97	1.00	0.97
37.90	124.60	2.041	62.20	0.924	0.87	0.000	0.776	0.96	1.00	0.96
37.95	124.63	2.044	62.23	0.925	0.87	0.000	0.776	0.96	1.00	0.96
38.00	124.67	2.047	62.27	0.927	0.86	0.000	0.776	0.96	1.00	0.96
38.05	124.71	2.050	62.31	0.928	0.86	0.000	0.776	0.96	1.00	0.96
38.10	124.74	2.053	62.34	0.930	0.86	0.000	0.776	0.96	1.00	0.96
38.15	124.78	2.056	62.38	0.931	0.86	0.000	0.776	0.96	1.00	0.96
38.20	124.82	2.059	62.42	0.933	0.86	0.000	0.776	0.96	1.00	0.96
38.25	124.85	2.062	62.45	0.934	0.86	0.000	0.776	0.96	1.00	0.96
38.30	124.89	2.065	62.49	0.936	0.86	0.000	0.776	0.96	1.00	0.96
38.35	124.93	2.068	62.53	0.937	0.86	0.000	0.776	0.96	1.00	0.96
38.40	124.97	2.071	62.57	0.939	0.86	0.000	0.776	0.96	1.00	0.96
38.45	125.00	2.074	62.60	0.940	0.86	0.000	0.776	0.96	1.00	0.96
38.50	125.04	2.077	62.64	0.942	0.86	0.000	0.776	0.96	1.00	0.96
38.55	125.08	2.080	62.68	0.943	0.86	0.000	0.776	0.96	1.00	0.96
38.60	125.11	2.083	62.71	0.945	0.86	0.000	0.776	0.96	1.00	0.96
38.65	125.15	2.086	62.75	0.946	0.86	0.000	0.776	0.96	1.00	0.96
38.70	125.19	2.089	62.79	0.948	0.86	0.000	0.776	0.96	1.00	0.96
38.75	125.22	2.092	62.82	0.949	0.86	0.000	0.776	0.95	1.00	0.95
38.80	125.26	2.095	62.86	0.951	0.86	0.000	0.776	0.95	1.00	0.95
38.85	125.30	2.098	62.90	0.952	0.86	0.000	0.776	0.95	1.00	0.95
38.90	125.34	2.101	62.94	0.953	0.86	0.000	0.776	0.95	1.00	0.95
38.95	125.37	2.103	62.97	0.955	0.86	0.000	0.776	0.95	1.00	0.95
39.00	125.41	2.106	63.01	0.956	0.86	0.000	0.776	0.95	1.00	0.95
39.05	125.45	2.109	63.05	0.958	0.86	0.000	0.776	0.95	1.00	0.95
39.10	125.48	2.112	63.08	0.959	0.86	0.000	0.776	0.95	1.00	0.95
39.15	125.52	2.115	63.12	0.961	0.86	0.000	0.776	0.95	1.00	0.95
39.20	125.56	2.118	63.16	0.962	0.86	0.000	0.776	0.95	1.00	0.95
39.25	125.59	2.121	63.19	0.964	0.85	0.000	0.776	0.95	1.00	0.95
39.30	125.63	2.124	63.23	0.965	0.85	0.000	0.776	0.95	1.00	0.95
39.35	125.67	2.127	63.27	0.967	0.85	0.000	0.776	0.95	1.00	0.95
39.40	125.71	2.130	63.31	0.968	0.85	0.000	0.776	0.95	1.00	0.95
39.45	125.74	2.133	63.34	0.970	0.85	0.000	0.776	0.95	1.00	0.95
39.50	125.78	2.136	63.38	0.971	0.85	0.000	0.776	0.95	1.00	0.95
39.55	125.82	2.139	63.42	0.973	0.85	0.000	0.776	0.95	1.00	0.95
39.60	125.85	2.142	63.45	0.974	0.85	0.000	0.776	0.94	1.00	0.94
39.65	125.89	2.145	63.49	0.976	0.85	0.000	0.776	0.94	1.00	0.94
39.70	125.93	2.148	63.53	0.977	0.85	0.000	0.776	0.94	1.00	0.94
39.75	125.96	2.151	63.56	0.979	0.85	0.000	0.776	0.94	1.00	0.94
39.80	126.00	2.154	63.60	0.980	0.85	0.000	0.776	0.94	1.00	0.94
39.85	126.04	2.157	63.64	0.982	0.85	0.000	0.776	0.94	1.00	0.94
39.90	126.08	2.160	63.68	0.983	0.85	0.000	0.776	0.94	1.00	0.94
39.95	126.11	2.163	63.71	0.985	0.85	0.000	0.776	0.94	1.00	0.94
40.00	126.15	2.166	63.75	0.986	0.85	0.000	0.776	0.94	1.00	0.94
40.05	126.19	2.169	63.79	0.988	0.85	0.000	0.776	0.94	1.00	0.94
40.10	126.22	2.172	63.82	0.989	0.85	0.000	0.776	0.94	1.00	0.94
40.15	126.26	2.175	63.86	0.991	0.85	0.000	0.776	0.94	1.00	0.94
40.20	126.30	2.178	63.90	0.992	0.85	0.000	0.776	0.94	1.00	0.94
40.25	126.33	2.181	63.93	0.994	0.85	0.000	0.776	0.94	1.00	0.94
40.30	126.37	2.184	63.97	0.995	0.85	0.000	0.776	0.94	1.00	0.94
40.35	126.41	2.187	64.01	0.997	0.85	0.000	0.776	0.94	1.00	0.94
40.40	126.45	2.190	64.05	0.998	0.85	0.000	0.776	0.93	1.00	0.93
40.45	126.48	2.193	64.08	1.000	0.84	0.000	0.776	0.93	1.00	0.93
40.50	126.52	2.196	64.12	1.002	0.84	0.000	0.776	0.93	1.00	0.93
40.55	126.56	2.199	64.16	1.003	0.84	0.000	0.776	0.93	1.00	0.93
40.60	126.59	2.202	64.19	1.005	0.84	0.000	0.776	0.93	1.00	0.93

40.65	126.63	2.205	64.23	1.006	0.84	0.000	0.776	0.93	1.00	0.93
40.70	126.67	2.208	64.27	1.008	0.84	0.000	0.776	0.93	1.00	0.93
40.75	126.70	2.211	64.30	1.009	0.84	0.000	0.776	0.93	1.00	0.93
40.80	126.74	2.214	64.34	1.011	0.84	0.000	0.776	0.93	1.00	0.93
40.85	126.78	2.217	64.38	1.012	0.84	0.000	0.776	0.93	1.00	0.93
40.90	126.82	2.220	64.42	1.014	0.84	0.000	0.776	0.93	1.00	0.93
40.95	126.85	2.223	64.45	1.015	0.84	0.000	0.776	0.93	1.00	0.93
41.00	126.89	2.226	64.49	1.017	0.84	0.000	0.776	0.93	1.00	0.93
41.05	126.93	2.229	64.53	1.018	0.84	0.000	0.776	0.93	1.00	0.93
41.10	126.96	2.232	64.56	1.020	0.84	0.000	0.776	0.93	1.00	0.93
41.15	127.00	2.235	64.60	1.021	0.84	0.000	0.776	0.93	1.00	0.93
41.20	127.04	2.238	64.64	1.023	0.84	0.000	0.776	0.93	1.00	0.93
41.25	127.07	2.241	64.67	1.024	0.84	0.000	0.776	0.92	1.00	0.92
41.30	127.11	2.244	64.71	1.026	0.84	0.000	0.776	0.92	1.00	0.92
41.35	127.15	2.247	64.75	1.027	0.84	0.000	0.776	0.92	1.00	0.92
41.40	127.19	2.250	64.79	1.029	0.84	0.000	0.776	0.92	1.00	0.92
41.45	127.22	2.253	64.82	1.030	0.84	0.000	0.776	0.92	1.00	0.92
41.50	127.26	2.256	64.86	1.032	0.84	0.000	0.776	0.92	1.00	0.92
41.55	127.30	2.259	64.90	1.034	0.84	0.000	0.776	0.92	1.00	0.92
41.60	127.33	2.262	64.93	1.035	0.84	0.000	0.776	0.92	1.00	0.92
41.65	127.37	2.265	64.97	1.037	0.84	0.000	0.776	0.92	1.00	0.92
41.70	127.41	2.268	65.01	1.038	0.83	0.000	0.776	0.92	1.00	0.92
41.75	127.44	2.271	65.04	1.040	0.83	0.000	0.776	0.92	1.00	0.92
41.80	127.48	2.274	65.08	1.041	0.83	0.000	0.776	0.92	1.00	0.92
41.85	127.52	2.277	65.12	1.043	0.83	0.000	0.776	0.92	1.00	0.92
41.90	127.56	2.280	65.16	1.044	0.83	0.000	0.776	0.92	1.00	0.92
41.95	127.59	2.283	65.19	1.046	0.83	0.000	0.776	0.92	1.00	0.92
42.00	127.63	2.286	65.23	1.047	0.83	0.000	0.776	0.92	1.00	0.92
42.05	127.67	2.289	65.27	1.049	0.83	0.000	0.776	0.92	1.00	0.92
42.10	127.70	2.292	65.30	1.050	0.83	0.000	0.776	0.91	1.00	0.91
42.15	127.74	2.295	65.34	1.052	0.83	0.000	0.776	0.91	1.00	0.91
42.20	127.78	2.298	65.38	1.054	0.83	0.000	0.776	0.91	1.00	0.91
42.25	127.81	2.301	65.41	1.055	0.83	0.000	0.776	0.91	1.00	0.91
42.30	127.85	2.304	65.45	1.057	0.83	0.000	0.776	0.91	1.00	0.91
42.35	127.89	2.307	65.49	1.058	0.83	0.000	0.776	0.91	1.00	0.91
42.40	127.93	2.310	65.53	1.060	0.83	0.000	0.776	0.91	1.00	0.91
42.45	127.96	2.313	65.56	1.061	0.83	0.000	0.776	0.91	1.00	0.91
42.50	128.00	2.316	65.60	1.063	0.83	0.000	0.776	0.91	1.00	0.91
42.55	128.07	2.319	65.67	1.064	0.83	0.000	0.776	0.91	1.00	0.91
42.60	128.15	2.322	65.75	1.066	0.83	0.000	0.776	0.91	1.00	0.91
42.65	128.22	2.325	65.82	1.067	0.83	0.000	0.776	0.91	1.00	0.91
42.70	128.30	2.328	65.90	1.069	0.83	0.000	0.776	0.91	1.00	0.91
42.75	128.37	2.331	65.97	1.071	0.83	0.000	0.776	0.91	1.00	0.91
42.80	128.45	2.334	66.05	1.072	0.83	0.000	0.776	0.91	1.00	0.91
42.85	128.52	2.337	66.12	1.074	0.83	0.000	0.776	0.91	1.00	0.91
42.90	128.60	2.340	66.20	1.075	0.82	0.000	0.776	0.91	1.00	0.91
42.95	128.67	2.343	66.27	1.077	0.82	0.000	0.776	0.90	1.00	0.90
43.00	128.75	2.346	66.35	1.078	0.82	0.000	0.776	0.90	1.00	0.90
43.05	128.82	2.349	66.42	1.080	0.82	0.000	0.776	0.90	1.00	0.90
43.10	128.90	2.352	66.50	1.082	0.82	0.000	0.776	0.90	1.00	0.90
43.15	128.97	2.355	66.57	1.083	0.82	0.000	0.776	0.90	1.00	0.90
43.20	129.05	2.358	66.65	1.085	0.82	0.000	0.776	0.90	1.00	0.90
43.25	129.12	2.362	66.72	1.086	0.82	0.000	0.776	0.90	1.00	0.90
43.30	129.20	2.365	66.80	1.088	0.82	0.000	0.776	0.90	1.00	0.90
43.35	129.27	2.368	66.87	1.089	0.82	0.000	0.776	0.90	1.00	0.90
43.40	129.35	2.371	66.95	1.091	0.82	0.000	0.776	0.90	1.00	0.90
43.45	129.42	2.374	67.02	1.093	0.82	0.000	0.776	0.90	1.00	0.90
43.50	129.50	2.377	67.10	1.094	0.82	0.000	0.776	0.90	1.00	0.90
43.55	129.57	2.380	67.17	1.096	0.82	0.000	0.776	0.90	1.00	0.90
43.60	129.65	2.383	67.25	1.097	0.82	0.000	0.776	0.90	1.00	0.90
43.65	129.72	2.386	67.32	1.099	0.82	0.000	0.776	0.90	1.00	0.90
43.70	129.80	2.389	67.40	1.100	0.82	0.000	0.776	0.90	1.00	0.90
43.75	129.87	2.392	67.47	1.102	0.82	0.000	0.776	0.90	1.00	0.90
43.80	129.95	2.395	67.55	1.104	0.82	0.000	0.776	0.89	1.00	0.89
43.85	130.02	2.398	67.62	1.105	0.82	0.000	0.776	0.89	1.00	0.89
43.90	130.10	2.401	67.70	1.107	0.82	0.000	0.776	0.89	1.00	0.89
43.95	130.17	2.404	67.77	1.108	0.82	0.000	0.776	0.89	1.00	0.89
44.00	130.25	2.407	67.85	1.110	0.82	0.000	0.776	0.89	1.00	0.89
44.05	130.32	2.411	67.92	1.112	0.82	0.000	0.776	0.89	1.00	0.89
44.10	130.40	2.414	68.00	1.113	0.82	0.000	0.776	0.89	1.00	0.89
44.15	130.47	2.417	68.07	1.115	0.81	0.000	0.776	0.89	1.00	0.89
44.20	130.55	2.420	68.15	1.116	0.81	0.000	0.776	0.89	1.00	0.89
44.25	130.62	2.423	68.22	1.118	0.81	0.000	0.776	0.89	1.00	0.89

44.30	130.70	2.426	68.30	1.120	0.81	0.000	0.776	0.89	1.00	0.89
44.35	130.77	2.429	68.37	1.121	0.81	0.000	0.776	0.89	1.00	0.89
44.40	130.85	2.432	68.45	1.123	0.81	0.000	0.776	0.89	1.00	0.89
44.45	130.92	2.435	68.52	1.125	0.81	0.000	0.776	0.89	1.00	0.89
44.50	131.00	2.438	68.60	1.126	0.81	0.000	0.776	0.89	1.00	0.89
44.55	131.07	2.441	68.67	1.128	0.81	0.000	0.776	0.89	1.00	0.89
44.60	131.15	2.445	68.75	1.129	0.81	0.000	0.776	0.89	1.00	0.89
44.65	131.22	2.448	68.82	1.131	0.81	0.000	0.776	0.88	1.00	0.88
44.70	131.30	2.451	68.90	1.133	0.81	0.000	0.776	0.88	1.00	0.88
44.75	131.37	2.454	68.97	1.134	0.81	0.000	0.776	0.88	1.00	0.88
44.80	131.45	2.457	69.05	1.136	0.81	0.000	0.776	0.88	1.00	0.88
44.85	131.52	2.460	69.12	1.138	0.81	0.000	0.776	0.88	1.00	0.88
44.90	131.60	2.463	69.20	1.139	0.81	0.000	0.776	0.88	1.00	0.88
44.95	131.67	2.466	69.27	1.141	0.81	0.000	0.776	0.88	1.00	0.88
45.00	131.75	2.469	69.35	1.142	0.81	0.000	0.776	0.88	1.00	0.88
45.05	131.82	2.472	69.42	1.144	0.81	0.000	0.776	0.88	1.00	0.88
45.10	131.90	2.476	69.50	1.146	0.81	0.000	0.776	0.88	1.00	0.88
45.15	131.97	2.479	69.57	1.147	0.81	0.000	0.776	0.88	1.00	0.88
45.20	132.05	2.482	69.65	1.149	0.81	0.000	0.776	0.88	1.00	0.88
45.25	132.12	2.485	69.72	1.151	0.81	0.000	0.776	0.88	1.00	0.88
45.30	132.20	2.488	69.80	1.152	0.81	0.000	0.776	0.88	1.00	0.88
45.35	132.27	2.491	69.87	1.154	0.80	0.000	0.776	0.88	1.00	0.88
45.40	132.35	2.494	69.95	1.156	0.80	0.000	0.776	0.88	1.00	0.88
45.45	132.42	2.497	70.02	1.157	0.80	0.000	0.776	0.88	1.00	0.88
45.50	132.50	2.501	70.10	1.159	0.80	0.000	0.776	0.87	1.00	0.87
45.55	132.57	2.504	70.17	1.161	0.80	0.000	0.776	0.87	1.00	0.87
45.60	132.65	2.507	70.25	1.162	0.80	0.000	0.776	0.87	1.00	0.87
45.65	132.72	2.510	70.32	1.164	0.80	0.000	0.776	0.87	1.00	0.87
45.70	132.80	2.513	70.40	1.166	0.80	0.000	0.776	0.87	1.00	0.87
45.75	132.87	2.516	70.47	1.167	0.80	0.000	0.776	0.87	1.00	0.87
45.80	132.95	2.519	70.55	1.169	0.80	0.000	0.776	0.87	1.00	0.87
45.85	133.02	2.523	70.62	1.171	0.80	0.000	0.776	0.87	1.00	0.87
45.90	133.10	2.526	70.70	1.172	0.80	0.000	0.776	0.87	1.00	0.87
45.95	133.17	2.529	70.77	1.174	0.80	0.000	0.776	0.87	1.00	0.87
46.00	133.25	2.532	70.85	1.176	0.80	0.000	0.776	0.87	1.00	0.87
46.05	133.32	2.535	70.92	1.177	0.80	0.000	0.776	0.87	1.00	0.87
46.10	133.40	2.538	71.00	1.179	0.80	0.000	0.776	0.87	1.00	0.87
46.15	133.47	2.541	71.07	1.181	0.80	0.000	0.776	0.87	1.00	0.87
46.20	133.55	2.545	71.15	1.182	0.80	0.000	0.776	0.87	1.00	0.87
46.25	133.62	2.548	71.22	1.184	0.80	0.000	0.776	0.87	1.00	0.87
46.30	133.70	2.551	71.30	1.186	0.80	0.000	0.776	0.87	1.00	0.87
46.35	133.77	2.554	71.37	1.187	0.80	0.000	0.776	0.86	1.00	0.86
46.40	133.85	2.557	71.45	1.189	0.80	0.000	0.776	0.86	1.00	0.86
46.45	133.92	2.560	71.52	1.191	0.80	0.000	0.776	0.86	1.00	0.86
46.50	134.00	2.564	71.60	1.192	0.80	0.000	0.776	0.86	1.00	0.86
46.55	134.07	2.567	71.67	1.194	0.80	0.000	0.776	0.86	1.00	0.86
46.60	134.15	2.570	71.75	1.196	0.79	0.000	0.776	0.86	1.00	0.86
46.65	134.22	2.573	71.82	1.197	0.79	0.000	0.776	0.86	1.00	0.86
46.70	134.30	2.576	71.90	1.199	0.79	0.000	0.776	0.86	1.00	0.86
46.75	134.37	2.579	71.97	1.201	0.79	0.000	0.776	0.86	1.00	0.86
46.80	134.45	2.583	72.05	1.203	0.79	0.000	0.776	0.86	1.00	0.86
46.85	134.52	2.586	72.12	1.204	0.79	0.000	0.776	0.86	1.00	0.86
46.90	134.60	2.589	72.20	1.206	0.79	0.000	0.776	0.86	1.00	0.86
46.95	134.67	2.592	72.27	1.208	0.79	0.000	0.776	0.86	1.00	0.86
47.00	134.75	2.595	72.35	1.209	0.79	0.000	0.776	0.86	1.00	0.86
47.05	134.82	2.598	72.42	1.211	0.79	0.000	0.776	0.86	1.00	0.86
47.10	134.90	2.602	72.50	1.213	0.79	0.000	0.776	0.86	1.00	0.86
47.15	134.97	2.605	72.57	1.215	0.79	0.000	0.776	0.85	1.00	0.85
47.20	135.05	2.608	72.65	1.216	0.79	0.000	0.776	0.85	1.00	0.85
47.25	135.12	2.611	72.72	1.218	0.79	0.000	0.776	0.85	1.00	0.85
47.30	135.20	2.614	72.80	1.220	0.79	0.000	0.776	0.85	1.00	0.85
47.35	135.27	2.618	72.87	1.221	0.79	0.000	0.776	0.85	1.00	0.85
47.40	135.35	2.621	72.95	1.223	0.79	0.000	0.776	0.85	1.00	0.85
47.45	135.42	2.624	73.02	1.225	0.79	0.000	0.776	0.85	1.00	0.85
47.50	135.50	2.627	73.10	1.227	0.79	0.000	0.776	0.85	1.00	0.85
47.55	135.35	2.630	72.95	1.228	0.79	0.000	0.776	0.85	1.00	0.85
47.60	135.20	2.634	72.80	1.230	0.79	0.000	0.776	0.85	1.00	0.85
47.65	135.05	2.637	72.65	1.232	0.79	0.000	0.776	0.85	1.00	0.85
47.70	134.90	2.640	72.50	1.233	0.79	0.000	0.776	0.85	1.00	0.85
47.75	134.75	2.643	72.35	1.235	0.79	0.000	0.776	0.85	1.00	0.85
47.80	134.60	2.646	72.20	1.237	0.79	0.000	0.776	0.85	1.00	0.85
47.85	134.44	2.650	72.04	1.239	0.78	0.000	0.776	0.85	1.00	0.85
47.90	134.29	2.653	71.89	1.240	0.78	0.000	0.776	0.85	1.00	0.85

47.95	134.14	2.656	71.74	1.242	0.78	0.000	0.776	0.85	1.00	0.85
48.00	133.99	2.659	71.59	1.244	0.78	0.000	0.776	0.84	1.00	0.84
48.05	133.84	2.662	71.44	1.245	0.78	0.000	0.776	0.84	1.00	0.84
48.10	133.69	2.665	71.29	1.247	0.78	0.000	0.776	0.84	1.00	0.84
48.15	133.54	2.669	71.14	1.249	0.78	0.000	0.776	0.84	1.00	0.84
48.20	133.39	2.672	70.99	1.250	0.78	0.000	0.776	0.84	1.00	0.84
48.25	133.24	2.675	70.84	1.252	0.78	0.000	0.776	0.84	1.00	0.84
48.30	133.09	2.678	70.69	1.254	0.78	0.000	0.776	0.84	1.00	0.84
48.35	132.93	2.681	70.53	1.255	0.78	0.000	0.776	0.84	1.00	0.84
48.40	132.78	2.684	70.38	1.257	0.78	0.000	0.776	0.84	1.00	0.84
48.45	132.63	2.687	70.23	1.259	0.78	0.000	0.776	0.84	1.00	0.84
48.50	132.48	2.691	70.08	1.260	0.78	0.000	0.776	0.84	1.00	0.84
48.55	132.33	2.694	69.93	1.262	0.78	0.000	0.776	0.84	1.00	0.84
48.60	132.18	2.697	69.78	1.264	0.78	0.000	0.776	0.84	1.00	0.84
48.65	132.03	2.700	69.63	1.265	0.78	0.000	0.776	0.84	1.00	0.84
48.70	131.88	2.703	69.48	1.267	0.78	0.000	0.776	0.84	1.00	0.84
48.75	131.73	2.706	69.33	1.269	0.78	0.000	0.776	0.84	1.00	0.84
48.80	131.58	2.709	69.18	1.270	0.78	0.000	0.776	0.84	1.00	0.84
48.85	131.42	2.712	69.02	1.272	0.78	0.000	0.776	0.84	1.00	0.84
48.90	131.27	2.715	68.87	1.274	0.78	0.000	0.776	0.83	1.00	0.83
48.95	131.12	2.719	68.72	1.275	0.78	0.000	0.776	0.83	1.00	0.83
49.00	130.97	2.722	68.57	1.277	0.78	0.000	0.776	0.83	1.00	0.83
49.05	130.82	2.725	68.42	1.278	0.77	0.000	0.776	0.83	1.00	0.83
49.10	130.67	2.728	68.27	1.280	0.77	0.000	0.776	0.83	1.00	0.83
49.15	130.52	2.731	68.12	1.282	0.77	0.000	0.776	0.83	1.00	0.83
49.20	130.37	2.734	67.97	1.283	0.77	0.000	0.776	0.83	1.00	0.83
49.25	130.22	2.737	67.82	1.285	0.77	0.000	0.776	0.83	1.00	0.83
49.30	130.07	2.740	67.67	1.286	0.77	0.000	0.776	0.83	1.00	0.83
49.35	129.91	2.743	67.51	1.288	0.77	0.000	0.776	0.83	1.00	0.83
49.40	129.76	2.746	67.36	1.290	0.77	0.000	0.776	0.83	1.00	0.83
49.45	129.61	2.749	67.21	1.291	0.77	0.000	0.776	0.83	1.00	0.83
49.50	129.46	2.752	67.06	1.293	0.77	0.000	0.776	0.83	1.00	0.83
49.55	129.31	2.756	66.91	1.294	0.77	0.000	0.776	0.83	1.00	0.83
49.60	129.16	2.759	66.76	1.296	0.77	0.000	0.776	0.83	1.00	0.83
49.65	129.01	2.762	66.61	1.298	0.77	0.000	0.776	0.83	1.00	0.83
49.70	128.86	2.765	66.46	1.299	0.77	0.000	0.776	0.83	1.00	0.83
49.75	128.71	2.768	66.31	1.301	0.77	0.000	0.776	0.83	1.00	0.83
49.80	128.56	2.771	66.16	1.302	0.77	0.000	0.776	0.82	1.00	0.82
49.85	128.40	2.774	66.00	1.304	0.77	0.000	0.776	0.82	1.00	0.82
49.90	128.25	2.777	65.85	1.305	0.77	0.000	0.776	0.82	1.00	0.82
49.95	128.10	2.780	65.70	1.307	0.77	0.000	0.776	0.82	1.00	0.82
50.00	127.95	2.783	65.55	1.309	0.77	0.000	0.776	0.82	1.00	0.82
50.05	127.80	2.786	65.40	1.310	0.77	0.000	0.776	0.82	1.00	0.82
50.10	127.65	2.789	65.25	1.312	0.77	0.000	0.776	0.82	1.00	0.82
50.15	127.50	2.792	65.10	1.313	0.77	0.000	0.776	0.82	1.00	0.82
50.20	127.35	2.795	64.95	1.315	0.77	0.000	0.776	0.82	1.00	0.82
50.25	127.20	2.798	64.80	1.316	0.77	0.000	0.776	0.82	1.00	0.82
50.30	127.05	2.801	64.65	1.318	0.76	0.000	0.776	0.82	1.00	0.82
50.35	126.89	2.804	64.49	1.319	0.76	0.000	0.776	0.82	1.00	0.82
50.40	126.74	2.807	64.34	1.321	0.76	0.000	0.776	0.82	1.00	0.82
50.45	126.59	2.810	64.19	1.322	0.76	0.000	0.776	0.82	1.00	0.82
50.50	126.44	2.813	64.04	1.324	0.76	0.000	0.776	0.82	1.00	0.82
50.55	126.29	2.816	63.89	1.325	0.76	0.000	0.776	0.82	1.00	0.82
50.60	126.14	2.819	63.74	1.327	0.76	0.000	0.776	0.82	1.00	0.82
50.65	125.99	2.822	63.59	1.328	0.76	0.000	0.776	0.82	1.00	0.82
50.70	125.84	2.825	63.44	1.330	0.76	0.000	0.776	0.82	1.00	0.82
50.75	125.69	2.828	63.29	1.331	0.76	0.000	0.776	0.82	1.00	0.82
50.80	125.54	2.831	63.14	1.333	0.76	0.000	0.776	0.81	1.00	0.81
50.85	125.38	2.834	62.98	1.334	0.76	0.000	0.776	0.81	1.00	0.81
50.90	125.23	2.837	62.83	1.336	0.76	0.000	0.776	0.81	1.00	0.81
50.95	125.08	2.840	62.68	1.337	0.76	0.000	0.776	0.81	1.00	0.81
51.00	124.93	2.843	62.53	1.339	0.76	0.000	0.776	0.81	1.00	0.81
51.05	124.78	2.846	62.38	1.340	0.76	0.000	0.776	0.81	1.00	0.81
51.10	124.63	2.849	62.23	1.342	0.76	0.000	0.776	0.81	1.00	0.81
51.15	124.48	2.852	62.08	1.343	0.76	0.000	0.776	0.81	1.00	0.81
51.20	124.33	2.854	61.93	1.345	0.76	0.000	0.776	0.81	1.00	0.81
51.25	124.18	2.857	61.78	1.346	0.76	0.000	0.776	0.81	1.00	0.81
51.30	124.03	2.860	61.63	1.348	0.76	0.000	0.776	0.81	1.00	0.81
51.35	123.87	2.863	61.47	1.349	0.76	0.000	0.776	0.81	1.00	0.81
51.40	123.72	2.866	61.32	1.351	0.76	0.000	0.776	0.81	1.00	0.81
51.45	123.57	2.869	61.17	1.352	0.76	0.000	0.776	0.81	1.00	0.81
51.50	123.42	2.872	61.02	1.353	0.75	0.000	0.776	0.81	1.00	0.81
51.55	123.27	2.875	60.87	1.355	0.75	0.000	0.776	0.81	1.00	0.81

51.60	123.12	2.878	60.72	1.356	0.75	0.000	0.776	0.81	1.00	0.81
51.65	122.97	2.881	60.57	1.358	0.75	0.000	0.776	0.81	1.00	0.81
51.70	122.82	2.884	60.42	1.359	0.75	0.000	0.776	0.81	1.00	0.81
51.75	122.67	2.887	60.27	1.361	0.75	0.000	0.776	0.81	1.00	0.81
51.80	122.52	2.889	60.12	1.362	0.75	0.000	0.776	0.81	1.00	0.81
51.85	122.36	2.892	59.96	1.363	0.75	0.000	0.776	0.80	1.00	0.80
51.90	122.21	2.895	59.81	1.365	0.75	0.000	0.776	0.80	1.00	0.80
51.95	122.06	2.898	59.66	1.366	0.75	0.000	0.776	0.80	1.00	0.80
52.00	121.91	2.901	59.51	1.368	0.75	0.000	0.776	0.80	1.00	0.80
52.05	121.76	2.904	59.36	1.369	0.75	0.000	0.776	0.80	1.00	0.80
52.10	121.61	2.907	59.21	1.371	0.75	0.000	0.776	0.80	1.00	0.80
52.15	121.46	2.910	59.06	1.372	0.75	0.000	0.776	0.80	1.00	0.80
52.20	121.31	2.913	58.91	1.373	0.75	0.000	0.776	0.80	1.00	0.80
52.25	121.16	2.915	58.76	1.375	0.75	0.000	0.776	0.80	1.00	0.80
52.30	121.01	2.918	58.61	1.376	0.75	0.000	0.776	0.80	1.00	0.80
52.35	120.85	2.921	58.45	1.377	0.75	0.000	0.776	0.80	1.00	0.80
52.40	120.70	2.924	58.30	1.379	0.75	0.000	0.776	0.80	1.00	0.80
52.45	120.55	2.927	58.15	1.380	0.75	0.000	0.776	0.80	1.00	0.80
52.50	120.40	2.930	58.00	1.382	0.75	0.000	0.776	0.80	1.00	0.80
52.55	120.36	2.933	57.96	1.383	0.75	0.000	0.776	0.80	1.00	0.80
52.60	120.32	2.935	57.92	1.384	0.75	0.000	0.776	0.80	1.00	0.80
52.65	120.28	2.938	57.88	1.386	0.75	0.000	0.776	0.80	1.00	0.80
52.70	120.24	2.941	57.84	1.387	0.75	0.000	0.776	0.80	1.00	0.80
52.75	120.20	2.944	57.80	1.388	0.74	0.000	0.776	0.80	1.00	0.80
52.80	120.15	2.947	57.75	1.390	0.74	0.000	0.776	0.80	1.00	0.80
52.85	120.11	2.950	57.71	1.391	0.74	0.000	0.776	0.80	1.00	0.80
52.90	120.07	2.952	57.67	1.393	0.74	0.000	0.776	0.80	1.00	0.80
52.95	120.03	2.955	57.63	1.394	0.74	0.000	0.776	0.79	1.00	0.79
53.00	119.99	2.958	57.59	1.395	0.74	0.000	0.776	0.79	1.00	0.79
53.05	119.95	2.961	57.55	1.397	0.74	0.000	0.776	0.79	1.00	0.79
53.10	119.91	2.964	57.51	1.398	0.74	0.000	0.776	0.79	1.00	0.79
53.15	119.87	2.967	57.47	1.399	0.74	0.000	0.776	0.79	1.00	0.79
53.20	119.83	2.969	57.43	1.401	0.74	0.000	0.776	0.79	1.00	0.79
53.25	119.79	2.972	57.39	1.402	0.74	0.000	0.776	0.79	1.00	0.79
53.30	119.74	2.975	57.34	1.403	0.74	0.000	0.776	0.79	1.00	0.79
53.35	119.70	2.978	57.30	1.405	0.74	0.000	0.776	0.79	1.00	0.79
53.40	119.66	2.981	57.26	1.406	0.74	0.000	0.776	0.79	1.00	0.79
53.45	119.62	2.984	57.22	1.407	0.74	0.000	0.776	0.79	1.00	0.79
53.50	119.58	2.986	57.18	1.409	0.74	0.000	0.776	0.79	1.00	0.79
53.55	119.54	2.989	57.14	1.410	0.74	0.000	0.776	0.79	1.00	0.79
53.60	119.50	2.992	57.10	1.412	0.74	0.000	0.776	0.79	1.00	0.79
53.65	119.46	2.995	57.06	1.413	0.74	0.000	0.776	0.79	1.00	0.79
53.70	119.42	2.998	57.02	1.414	0.74	0.000	0.776	0.79	1.00	0.79
53.75	119.38	3.000	56.98	1.416	0.74	0.000	0.776	0.79	1.00	0.79
53.80	119.33	3.003	56.93	1.417	0.74	0.000	0.776	0.79	1.00	0.79
53.85	119.29	3.006	56.89	1.418	0.74	0.000	0.776	0.79	1.00	0.79
53.90	119.25	3.009	56.85	1.420	0.74	0.000	0.776	0.79	1.00	0.79
53.95	119.21	3.012	56.81	1.421	0.73	0.000	0.776	0.79	1.00	0.79
54.00	119.17	3.015	56.77	1.422	0.73	0.000	0.776	0.79	1.00	0.79
54.05	119.13	3.017	56.73	1.424	0.73	0.000	0.776	0.78	1.00	0.78
54.10	119.09	3.020	56.69	1.425	0.73	0.000	0.776	0.78	1.00	0.78
54.15	119.05	3.023	56.65	1.426	0.73	0.000	0.776	0.78	1.00	0.78
54.20	119.01	3.026	56.61	1.428	0.73	0.000	0.776	0.78	1.00	0.78
54.25	118.97	3.029	56.57	1.429	0.73	0.000	0.776	0.78	1.00	0.78
54.30	118.92	3.031	56.52	1.430	0.73	0.000	0.776	0.78	1.00	0.78
54.35	118.88	3.034	56.48	1.432	0.73	0.000	0.776	0.78	1.00	0.78
54.40	118.84	3.037	56.44	1.433	0.73	0.000	0.776	0.78	1.00	0.78
54.45	118.80	3.040	56.40	1.434	0.73	0.000	0.776	0.78	1.00	0.78
54.50	118.76	3.043	56.36	1.436	0.73	0.000	0.776	0.78	1.00	0.78
54.55	118.72	3.046	56.32	1.437	0.73	0.000	0.776	0.78	1.00	0.78
54.60	118.68	3.048	56.28	1.438	0.73	0.000	0.776	0.78	1.00	0.78
54.65	118.64	3.051	56.24	1.440	0.73	0.000	0.776	0.78	1.00	0.78
54.70	118.60	3.054	56.20	1.441	0.73	0.000	0.776	0.78	1.00	0.78
54.75	118.56	3.057	56.16	1.442	0.73	0.000	0.776	0.78	1.00	0.78
54.80	118.51	3.060	56.11	1.444	0.73	0.000	0.776	0.78	1.00	0.78
54.85	118.47	3.062	56.07	1.445	0.73	0.000	0.776	0.78	1.00	0.78
54.90	118.43	3.065	56.03	1.446	0.73	0.000	0.776	0.78	1.00	0.78
54.95	118.39	3.068	55.99	1.448	0.73	0.000	0.776	0.78	1.00	0.78
55.00	118.35	3.071	55.95	1.449	0.73	0.000	0.776	0.78	1.00	0.78
55.05	118.31	3.074	55.91	1.450	0.73	0.000	0.776	0.78	1.00	0.78
55.10	118.27	3.076	55.87	1.452	0.73	0.000	0.776	0.78	1.00	0.78
55.15	118.23	3.079	55.83	1.453	0.73	0.000	0.776	0.78	1.00	0.78
55.20	118.19	3.082	55.79	1.454	0.72	0.000	0.776	0.77	1.00	0.77

55.25	118.15	3.085	55.75	1.456	0.72	0.000	0.776	0.77	1.00	0.77
55.30	118.10	3.087	55.70	1.457	0.72	0.000	0.776	0.77	1.00	0.77
55.35	118.06	3.090	55.66	1.458	0.72	0.000	0.776	0.77	1.00	0.77
55.40	118.02	3.093	55.62	1.459	0.72	0.000	0.776	0.77	1.00	0.77
55.45	117.98	3.096	55.58	1.461	0.72	0.000	0.776	0.77	1.00	0.77
55.50	117.94	3.099	55.54	1.462	0.72	0.000	0.776	0.77	1.00	0.77
55.55	117.90	3.101	55.50	1.463	0.72	0.000	0.776	0.77	1.00	0.77
55.60	117.86	3.104	55.46	1.465	0.72	0.000	0.776	0.77	1.00	0.77
55.65	117.82	3.107	55.42	1.466	0.72	0.000	0.776	0.77	1.00	0.77
55.70	117.78	3.110	55.38	1.467	0.72	0.000	0.776	0.77	1.00	0.77
55.75	117.74	3.113	55.34	1.469	0.72	0.000	0.776	0.77	1.00	0.77
55.80	117.69	3.115	55.29	1.470	0.72	0.000	0.776	0.77	1.00	0.77
55.85	117.65	3.118	55.25	1.471	0.72	0.000	0.776	0.77	1.00	0.77
55.90	117.61	3.121	55.21	1.473	0.72	0.000	0.776	0.77	1.00	0.77
55.95	117.57	3.124	55.17	1.474	0.72	0.000	0.776	0.77	1.00	0.77
56.00	117.53	3.126	55.13	1.475	0.72	0.000	0.776	0.77	1.00	0.77
56.05	117.49	3.129	55.09	1.477	0.72	0.000	0.776	0.77	1.00	0.77
56.10	117.45	3.132	55.05	1.478	0.72	0.000	0.776	0.77	1.00	0.77
56.15	117.41	3.135	55.01	1.479	0.72	0.000	0.776	0.77	1.00	0.77
56.20	117.37	3.138	54.97	1.480	0.72	0.000	0.776	0.77	1.00	0.77
56.25	117.33	3.140	54.93	1.482	0.72	0.000	0.776	0.77	1.00	0.77
56.30	117.28	3.143	54.88	1.483	0.72	0.000	0.776	0.77	1.00	0.77
56.35	117.24	3.146	54.84	1.484	0.72	0.000	0.776	0.76	1.00	0.76
56.40	117.20	3.149	54.80	1.486	0.72	0.000	0.776	0.76	1.00	0.76
56.45	117.16	3.151	54.76	1.487	0.71	0.000	0.776	0.76	1.00	0.76
56.50	117.12	3.154	54.72	1.488	0.71	0.000	0.776	0.76	1.00	0.76
56.55	117.08	3.157	54.68	1.489	0.71	0.000	0.776	0.76	1.00	0.76
56.60	117.04	3.160	54.64	1.491	0.71	0.000	0.776	0.76	1.00	0.76
56.65	117.00	3.162	54.60	1.492	0.71	0.000	0.776	0.76	1.00	0.76
56.70	116.96	3.165	54.56	1.493	0.71	0.000	0.776	0.76	1.00	0.76
56.75	116.92	3.168	54.52	1.495	0.71	0.000	0.776	0.76	1.00	0.76
56.80	116.87	3.171	54.47	1.496	0.71	0.000	0.776	0.76	1.00	0.76
56.85	116.83	3.174	54.43	1.497	0.71	0.000	0.776	0.76	1.00	0.76
56.90	116.79	3.176	54.39	1.499	0.71	0.000	0.776	0.76	1.00	0.76
56.95	116.75	3.179	54.35	1.500	0.71	0.000	0.776	0.76	1.00	0.76
57.00	116.71	3.182	54.31	1.501	0.71	0.000	0.776	0.76	1.00	0.76
57.05	116.67	3.185	54.27	1.502	0.71	0.000	0.776	0.76	1.00	0.76
57.10	116.63	3.187	54.23	1.504	0.71	0.000	0.776	0.76	1.00	0.76
57.15	116.59	3.190	54.19	1.505	0.71	0.000	0.776	0.76	1.00	0.76
57.20	116.55	3.193	54.15	1.506	0.71	0.000	0.776	0.76	1.00	0.76
57.25	116.51	3.196	54.11	1.507	0.71	0.000	0.776	0.76	1.00	0.76
57.30	116.46	3.198	54.06	1.509	0.71	0.000	0.776	0.76	1.00	0.76
57.35	116.42	3.201	54.02	1.510	0.71	0.000	0.776	0.76	1.00	0.76
57.40	116.38	3.204	53.98	1.511	0.71	0.000	0.776	0.76	1.00	0.76
57.45	116.34	3.207	53.94	1.513	0.71	0.000	0.776	0.76	1.00	0.76
57.50	116.30	3.209	53.90	1.514	0.71	0.000	0.776	0.76	1.00	0.76
57.55	116.22	3.212	53.82	1.515	0.71	0.000	0.776	0.75	1.00	0.75
57.60	116.14	3.215	53.74	1.516	0.71	0.000	0.776	0.75	1.00	0.75
57.65	116.06	3.218	53.66	1.518	0.70	0.000	0.776	0.75	1.00	0.75
57.70	115.98	3.220	53.58	1.519	0.70	0.000	0.776	0.75	1.00	0.75
57.75	115.90	3.223	53.50	1.520	0.70	0.000	0.776	0.75	1.00	0.75
57.80	115.82	3.226	53.42	1.521	0.70	0.000	0.776	0.75	1.00	0.75
57.85	115.74	3.229	53.34	1.523	0.70	0.000	0.776	0.75	1.00	0.75
57.90	115.66	3.231	53.26	1.524	0.70	0.000	0.776	0.75	1.00	0.75
57.95	115.58	3.234	53.18	1.525	0.70	0.000	0.776	0.75	1.00	0.75
58.00	115.50	3.237	53.10	1.527	0.70	0.000	0.776	0.75	1.00	0.75
58.05	115.42	3.239	53.02	1.528	0.70	0.000	0.776	0.75	1.00	0.75
58.10	115.34	3.242	52.94	1.529	0.70	0.000	0.776	0.75	1.00	0.75
58.15	115.26	3.245	52.86	1.530	0.70	0.000	0.776	0.75	1.00	0.75
58.20	115.18	3.248	52.78	1.532	0.70	0.000	0.776	0.75	1.00	0.75
58.25	115.10	3.250	52.70	1.533	0.70	0.000	0.776	0.75	1.00	0.75
58.30	115.02	3.253	52.62	1.534	0.70	0.000	0.776	0.75	1.00	0.75
58.35	114.94	3.256	52.54	1.535	0.70	0.000	0.776	0.75	1.00	0.75
58.40	114.86	3.259	52.46	1.536	0.70	0.000	0.776	0.75	1.00	0.75
58.45	114.78	3.261	52.38	1.538	0.70	0.000	0.776	0.75	1.00	0.75
58.50	114.70	3.264	52.30	1.539	0.70	0.000	0.776	0.75	1.00	0.75
58.55	114.62	3.267	52.22	1.540	0.70	0.000	0.776	0.75	1.00	0.75
58.60	114.54	3.269	52.14	1.541	0.70	0.000	0.776	0.75	1.00	0.75
58.65	114.46	3.272	52.06	1.543	0.70	0.000	0.776	0.75	1.00	0.75
58.70	114.38	3.275	51.98	1.544	0.70	0.000	0.776	0.74	1.00	0.74
58.75	114.30	3.277	51.90	1.545	0.70	0.000	0.776	0.74	1.00	0.74
58.80	114.22	3.280	51.82	1.546	0.70	0.000	0.776	0.74	1.00	0.74
58.85	114.14	3.283	51.74	1.548	0.70	0.000	0.776	0.74	1.00	0.74

58.90	114.06	3.286	51.66	1.549	0.69	0.000	0.776	0.74	1.00	0.74
58.95	113.98	3.288	51.58	1.550	0.69	0.000	0.776	0.74	1.00	0.74
59.00	113.90	3.291	51.50	1.551	0.69	0.000	0.776	0.74	1.00	0.74
59.05	113.82	3.294	51.42	1.552	0.69	0.000	0.776	0.74	1.00	0.74
59.10	113.74	3.296	51.34	1.554	0.69	0.000	0.776	0.74	1.00	0.74
59.15	113.66	3.299	51.26	1.555	0.69	0.000	0.776	0.74	1.00	0.74
59.20	113.58	3.302	51.18	1.556	0.69	0.000	0.776	0.74	1.00	0.74
59.25	113.50	3.304	51.10	1.557	0.69	0.000	0.776	0.74	1.00	0.74
59.30	113.42	3.307	51.02	1.559	0.69	0.000	0.776	0.74	1.00	0.74
59.35	113.34	3.310	50.94	1.560	0.69	0.000	0.776	0.74	1.00	0.74
59.40	113.26	3.312	50.86	1.561	0.69	0.000	0.776	0.74	1.00	0.74
59.45	113.18	3.315	50.78	1.562	0.69	0.000	0.776	0.74	1.00	0.74
59.50	113.10	3.318	50.70	1.563	0.69	0.000	0.776	0.74	1.00	0.74
59.55	113.02	3.320	50.62	1.565	0.69	0.000	0.776	0.74	1.00	0.74
59.60	112.94	3.323	50.54	1.566	0.69	0.000	0.776	0.74	1.00	0.74
59.65	112.86	3.326	50.46	1.567	0.69	0.000	0.776	0.74	1.00	0.74
59.70	112.78	3.328	50.38	1.568	0.69	0.000	0.776	0.74	1.00	0.74
59.75	112.70	3.331	50.30	1.569	0.69	0.000	0.776	0.74	1.00	0.74
59.80	112.62	3.334	50.22	1.570	0.69	0.000	0.776	0.74	1.00	0.74
59.85	112.54	3.336	50.14	1.572	0.69	0.000	0.776	0.74	1.00	0.74
59.90	112.46	3.339	50.06	1.573	0.69	0.000	0.776	0.74	1.00	0.74
59.95	112.38	3.342	49.98	1.574	0.69	0.000	0.776	0.73	1.00	0.73
60.00	112.30	3.344	49.90	1.575	0.69	0.000	0.776	0.73	1.00	0.73
60.05	112.22	3.347	49.82	1.576	0.69	0.000	0.776	0.73	1.00	0.73
60.10	112.14	3.350	49.74	1.578	0.68	0.000	0.776	0.73	1.00	0.73
60.15	112.06	3.352	49.66	1.579	0.68	0.000	0.776	0.73	1.00	0.73
60.20	111.98	3.355	49.58	1.580	0.68	0.000	0.776	0.73	1.00	0.73
60.25	111.90	3.358	49.50	1.581	0.68	0.000	0.776	0.73	1.00	0.73
60.30	111.82	3.360	49.42	1.582	0.68	0.000	0.776	0.73	1.00	0.73
60.35	111.74	3.363	49.34	1.583	0.68	0.000	0.776	0.73	1.00	0.73
60.40	111.66	3.366	49.26	1.585	0.68	0.000	0.776	0.73	1.00	0.73
60.45	111.58	3.368	49.18	1.586	0.68	0.000	0.776	0.73	1.00	0.73
60.50	111.50	3.371	49.10	1.587	0.68	0.000	0.776	0.73	1.00	0.73
60.55	111.42	3.374	49.02	1.588	0.68	0.000	0.776	0.73	1.00	0.73
60.60	111.34	3.376	48.94	1.589	0.68	0.000	0.776	0.73	1.00	0.73
60.65	111.26	3.379	48.86	1.590	0.68	0.000	0.776	0.73	1.00	0.73
60.70	111.18	3.381	48.78	1.592	0.68	0.000	0.776	0.73	1.00	0.73
60.75	111.10	3.384	48.70	1.593	0.68	0.000	0.776	0.73	1.00	0.73
60.80	111.02	3.387	48.62	1.594	0.68	0.000	0.776	0.73	1.00	0.73
60.85	110.94	3.389	48.54	1.595	0.68	0.000	0.776	0.73	1.00	0.73
60.90	110.86	3.392	48.46	1.596	0.68	0.000	0.776	0.73	1.00	0.73
60.95	110.78	3.395	48.38	1.597	0.68	0.000	0.776	0.73	1.00	0.73
61.00	110.70	3.397	48.30	1.598	0.68	0.000	0.776	0.73	1.00	0.73
61.05	110.62	3.400	48.22	1.600	0.68	0.000	0.776	0.73	1.00	0.73
61.10	110.54	3.402	48.14	1.601	0.68	0.000	0.776	0.73	1.00	0.73
61.15	110.46	3.405	48.06	1.602	0.68	0.000	0.776	0.73	1.00	0.73
61.20	110.38	3.408	47.98	1.603	0.68	0.000	0.776	0.72	1.00	0.72
61.25	110.30	3.410	47.90	1.604	0.68	0.000	0.776	0.72	1.00	0.72
61.30	110.22	3.413	47.82	1.605	0.68	0.000	0.776	0.72	1.00	0.72
61.35	110.14	3.415	47.74	1.606	0.67	0.000	0.776	0.72	1.00	0.72
61.40	110.06	3.418	47.66	1.608	0.67	0.000	0.776	0.72	1.00	0.72
61.45	109.98	3.421	47.58	1.609	0.67	0.000	0.776	0.72	1.00	0.72
61.50	109.90	3.423	47.50	1.610	0.67	0.000	0.776	0.72	1.00	0.72
61.55	109.82	3.426	47.42	1.611	0.67	0.000	0.776	0.72	1.00	0.72
61.60	109.74	3.428	47.34	1.612	0.67	0.000	0.776	0.72	1.00	0.72
61.65	109.66	3.431	47.26	1.613	0.67	0.000	0.776	0.72	1.00	0.72
61.70	109.58	3.434	47.18	1.614	0.67	0.000	0.776	0.72	1.00	0.72
61.75	109.50	3.436	47.10	1.615	0.67	0.000	0.776	0.72	1.00	0.72
61.80	109.42	3.439	47.02	1.616	0.67	0.000	0.776	0.72	1.00	0.72
61.85	109.34	3.441	46.94	1.618	0.67	0.000	0.776	0.72	1.00	0.72
61.90	109.26	3.444	46.86	1.619	0.67	0.000	0.776	0.72	1.00	0.72
61.95	109.18	3.447	46.78	1.620	0.67	0.000	0.776	0.72	1.00	0.72
62.00	109.10	3.449	46.70	1.621	0.67	0.000	0.776	0.72	1.00	0.72
62.05	109.02	3.452	46.62	1.622	0.67	0.000	0.776	0.72	1.00	0.72
62.10	108.94	3.454	46.54	1.623	0.67	0.000	0.776	0.72	1.00	0.72
62.15	108.86	3.457	46.46	1.624	0.67	0.000	0.776	0.72	1.00	0.72
62.20	108.78	3.459	46.38	1.625	0.67	0.000	0.776	0.72	1.00	0.72
62.25	108.70	3.462	46.30	1.626	0.67	0.000	0.776	0.72	1.00	0.72
62.30	108.62	3.465	46.22	1.628	0.67	0.000	0.776	0.72	1.00	0.72
62.35	108.54	3.467	46.14	1.629	0.67	0.000	0.776	0.72	1.00	0.72
62.40	108.46	3.470	46.06	1.630	0.67	0.000	0.776	0.72	1.00	0.72
62.45	108.38	3.472	45.98	1.631	0.67	0.000	0.776	0.72	1.00	0.72
62.50	108.30	3.475	45.90	1.632	0.67	0.000	0.776	0.71	1.00	0.71

62.55	108.30	3.477	45.90	1.633	0.66	0.000	0.776	0.71	1.00	0.71
62.60	108.30	3.480	45.90	1.634	0.66	0.000	0.776	0.71	1.00	0.71
62.65	108.30	3.482	45.90	1.635	0.66	0.000	0.776	0.71	1.00	0.71
62.70	108.31	3.485	45.91	1.636	0.66	0.000	0.776	0.71	1.00	0.71
62.75	108.31	3.488	45.91	1.637	0.66	0.000	0.776	0.71	1.00	0.71
62.80	108.31	3.490	45.91	1.638	0.66	0.000	0.776	0.71	1.00	0.71
62.85	108.31	3.493	45.91	1.639	0.66	0.000	0.776	0.71	1.00	0.71
62.90	108.31	3.495	45.91	1.641	0.66	0.000	0.776	0.71	1.00	0.71
62.95	108.31	3.498	45.91	1.642	0.66	0.000	0.776	0.71	1.00	0.71
63.00	108.31	3.500	45.91	1.643	0.66	0.000	0.776	0.71	1.00	0.71
63.05	108.31	3.503	45.91	1.644	0.66	0.000	0.776	0.71	1.00	0.71
63.10	108.32	3.505	45.92	1.645	0.66	0.000	0.776	0.71	1.00	0.71
63.15	108.32	3.508	45.92	1.646	0.66	0.000	0.776	0.71	1.00	0.71
63.20	108.32	3.511	45.92	1.647	0.66	0.000	0.776	0.71	1.00	0.71
63.25	108.32	3.513	45.92	1.648	0.66	0.000	0.776	0.71	1.00	0.71
63.30	108.32	3.516	45.92	1.649	0.66	0.000	0.776	0.71	1.00	0.71
63.35	108.32	3.518	45.92	1.650	0.66	0.000	0.776	0.71	1.00	0.71
63.40	108.32	3.521	45.92	1.651	0.66	0.000	0.776	0.71	1.00	0.71
63.45	108.33	3.523	45.93	1.652	0.66	0.000	0.776	0.71	1.00	0.71
63.50	108.33	3.526	45.93	1.654	0.66	0.000	0.776	0.71	1.00	0.71
63.55	108.33	3.529	45.93	1.655	0.66	0.000	0.776	0.71	1.00	0.71
63.60	108.33	3.531	45.93	1.656	0.66	0.000	0.776	0.71	1.00	0.71
63.65	108.33	3.534	45.93	1.657	0.66	0.000	0.776	0.71	1.00	0.71
63.70	108.33	3.536	45.93	1.658	0.66	0.000	0.776	0.71	1.00	0.71
63.75	108.33	3.539	45.93	1.659	0.66	0.000	0.776	0.70	1.00	0.70
63.80	108.33	3.541	45.93	1.660	0.65	0.000	0.776	0.70	1.00	0.70
63.85	108.34	3.544	45.94	1.661	0.65	0.000	0.776	0.70	1.00	0.70
63.90	108.34	3.546	45.94	1.662	0.65	0.000	0.776	0.70	1.00	0.70
63.95	108.34	3.549	45.94	1.663	0.65	0.000	0.776	0.70	1.00	0.70
64.00	108.34	3.552	45.94	1.664	0.65	0.000	0.776	0.70	1.00	0.70
64.05	108.34	3.554	45.94	1.665	0.65	0.000	0.776	0.70	1.00	0.70
64.10	108.34	3.557	45.94	1.667	0.65	0.000	0.776	0.70	1.00	0.70
64.15	108.34	3.559	45.94	1.668	0.65	0.000	0.776	0.70	1.00	0.70
64.20	108.35	3.562	45.95	1.669	0.65	0.000	0.776	0.70	1.00	0.70
64.25	108.35	3.564	45.95	1.670	0.65	0.000	0.776	0.70	1.00	0.70
64.30	108.35	3.567	45.95	1.671	0.65	0.000	0.776	0.70	1.00	0.70
64.35	108.35	3.569	45.95	1.672	0.65	0.000	0.776	0.70	1.00	0.70
64.40	108.35	3.572	45.95	1.673	0.65	0.000	0.776	0.70	1.00	0.70
64.45	108.35	3.575	45.95	1.674	0.65	0.000	0.776	0.70	1.00	0.70
64.50	108.35	3.577	45.95	1.675	0.65	0.000	0.776	0.70	1.00	0.70
64.55	108.35	3.580	45.95	1.676	0.65	0.000	0.776	0.70	1.00	0.70
64.60	108.36	3.582	45.96	1.677	0.65	0.000	0.776	0.70	1.00	0.70
64.65	108.36	3.585	45.96	1.679	0.65	0.000	0.776	0.70	1.00	0.70
64.70	108.36	3.587	45.96	1.680	0.65	0.000	0.776	0.70	1.00	0.70
64.75	108.36	3.590	45.96	1.681	0.65	0.000	0.776	0.70	1.00	0.70
64.80	108.36	3.593	45.96	1.682	0.65	0.000	0.776	0.70	1.00	0.70
64.85	108.36	3.595	45.96	1.683	0.65	0.000	0.776	0.70	1.00	0.70
64.90	108.36	3.598	45.96	1.684	0.65	0.000	0.776	0.70	1.00	0.70
64.95	108.37	3.600	45.97	1.685	0.65	0.000	0.776	0.70	1.00	0.70
65.00	108.37	3.603	45.97	1.686	0.65	0.000	0.776	0.70	1.00	0.70
65.05	108.37	3.605	45.97	1.687	0.64	0.000	0.776	0.69	1.00	0.69
65.10	108.37	3.608	45.97	1.688	0.64	0.000	0.776	0.69	1.00	0.69
65.15	108.37	3.610	45.97	1.689	0.64	0.000	0.776	0.69	1.00	0.69
65.20	108.37	3.613	45.97	1.690	0.64	0.000	0.776	0.69	1.00	0.69
65.25	108.37	3.616	45.97	1.692	0.64	0.000	0.776	0.69	1.00	0.69
65.30	108.37	3.618	45.97	1.693	0.64	0.000	0.776	0.69	1.00	0.69
65.35	108.38	3.621	45.98	1.694	0.64	0.000	0.776	0.69	1.00	0.69
65.40	108.38	3.623	45.98	1.695	0.64	0.000	0.776	0.69	1.00	0.69
65.45	108.38	3.626	45.98	1.696	0.64	0.000	0.776	0.69	1.00	0.69
65.50	108.38	3.628	45.98	1.697	0.64	0.000	0.776	0.69	1.00	0.69
65.55	108.38	3.631	45.98	1.698	0.64	0.000	0.776	0.69	1.00	0.69
65.60	108.38	3.633	45.98	1.699	0.64	0.000	0.776	0.69	1.00	0.69
65.65	108.38	3.636	45.98	1.700	0.64	0.000	0.776	0.69	1.00	0.69
65.70	108.39	3.639	45.99	1.701	0.64	0.000	0.776	0.69	1.00	0.69
65.75	108.39	3.641	45.99	1.702	0.64	0.000	0.776	0.69	1.00	0.69
65.80	108.39	3.644	45.99	1.704	0.64	0.000	0.776	0.69	1.00	0.69
65.85	108.39	3.646	45.99	1.705	0.64	0.000	0.776	0.69	1.00	0.69
65.90	108.39	3.649	45.99	1.706	0.64	0.000	0.776	0.69	1.00	0.69
65.95	108.39	3.651	45.99	1.707	0.64	0.000	0.776	0.69	1.00	0.69
66.00	108.39	3.654	45.99	1.708	0.64	0.000	0.776	0.69	1.00	0.69
66.05	108.39	3.657	45.99	1.709	0.64	0.000	0.776	0.69	1.00	0.69
66.10	108.40	3.659	46.00	1.710	0.64	0.000	0.776	0.69	1.00	0.69
66.15	108.40	3.662	46.00	1.711	0.64	0.000	0.776	0.69	1.00	0.69

66.20	108.40	3.664	46.00	1.712	0.64	0.000	0.776	0.69	1.00	0.69
66.25	108.40	3.667	46.00	1.713	0.63	0.000	0.776	0.69	1.00	0.69
66.30	108.40	3.669	46.00	1.714	0.63	0.000	0.776	0.68	1.00	0.68
66.35	108.40	3.672	46.00	1.715	0.63	0.000	0.776	0.68	1.00	0.68
66.40	108.40	3.674	46.00	1.717	0.63	0.000	0.776	0.68	1.00	0.68
66.45	108.41	3.677	46.01	1.718	0.63	0.000	0.776	0.68	1.00	0.68
66.50	108.41	3.680	46.01	1.719	0.63	0.000	0.776	0.68	1.00	0.68
66.55	108.41	3.682	46.01	1.720	0.63	0.000	0.776	0.68	1.00	0.68
66.60	108.41	3.685	46.01	1.721	0.63	0.000	0.776	0.68	1.00	0.68
66.65	108.41	3.687	46.01	1.722	0.63	0.000	0.776	0.68	1.00	0.68
66.70	108.41	3.690	46.01	1.723	0.63	0.000	0.776	0.68	1.00	0.68
66.75	108.41	3.692	46.01	1.724	0.63	0.000	0.776	0.68	1.00	0.68
66.80	108.41	3.695	46.01	1.725	0.63	0.000	0.776	0.68	1.00	0.68
66.85	108.42	3.698	46.02	1.726	0.63	0.000	0.776	0.68	1.00	0.68
66.90	108.42	3.700	46.02	1.727	0.63	0.000	0.776	0.68	1.00	0.68
66.95	108.42	3.703	46.02	1.729	0.63	0.000	0.776	0.68	1.00	0.68
67.00	108.42	3.705	46.02	1.730	0.63	0.000	0.776	0.68	1.00	0.68
67.05	108.42	3.708	46.02	1.731	0.63	0.000	0.776	0.68	1.00	0.68
67.10	108.42	3.710	46.02	1.732	0.63	0.000	0.776	0.68	1.00	0.68
67.15	108.42	3.713	46.02	1.733	0.63	0.000	0.776	0.68	1.00	0.68
67.20	108.43	3.715	46.03	1.734	0.63	0.000	0.776	0.68	1.00	0.68
67.25	108.43	3.718	46.03	1.735	0.63	0.000	0.776	0.68	1.00	0.68
67.30	108.43	3.721	46.03	1.736	0.63	0.000	0.776	0.68	1.00	0.68
67.35	108.43	3.723	46.03	1.737	0.63	0.000	0.776	0.68	1.00	0.68
67.40	108.43	3.726	46.03	1.738	0.63	0.000	0.776	0.68	1.00	0.68
67.45	108.43	3.728	46.03	1.739	0.63	0.000	0.776	0.68	1.00	0.68
67.50	108.43	3.731	46.03	1.740	0.62	0.000	0.776	0.68	1.00	0.68
67.55	108.43	3.733	46.03	1.742	0.62	0.000	0.776	0.68	1.00	0.68
67.60	108.44	3.736	46.04	1.743	0.62	0.000	0.776	0.67	1.00	0.67
67.65	108.44	3.739	46.04	1.744	0.62	0.000	0.776	0.67	1.00	0.67
67.70	108.44	3.741	46.04	1.745	0.62	0.000	0.776	0.67	1.00	0.67
67.75	108.44	3.744	46.04	1.746	0.62	0.000	0.776	0.67	1.00	0.67
67.80	108.44	3.746	46.04	1.747	0.62	0.000	0.776	0.67	1.00	0.67
67.85	108.44	3.749	46.04	1.748	0.62	0.000	0.776	0.67	1.00	0.67
67.90	108.44	3.751	46.04	1.749	0.62	0.000	0.776	0.67	1.00	0.67
67.95	108.45	3.754	46.05	1.750	0.62	0.000	0.776	0.67	1.00	0.67
68.00	108.45	3.756	46.05	1.751	0.62	0.000	0.776	0.67	1.00	0.67
68.05	108.45	3.759	46.05	1.752	0.62	0.000	0.776	0.67	1.00	0.67
68.10	108.45	3.762	46.05	1.754	0.62	0.000	0.776	0.67	1.00	0.67
68.15	108.45	3.764	46.05	1.755	0.62	0.000	0.776	0.67	1.00	0.67
68.20	108.45	3.767	46.05	1.756	0.62	0.000	0.776	0.67	1.00	0.67
68.25	108.45	3.769	46.05	1.757	0.62	0.000	0.776	0.67	1.00	0.67
68.30	108.45	3.772	46.05	1.758	0.62	0.000	0.776	0.67	1.00	0.67
68.35	108.46	3.774	46.06	1.759	0.62	0.000	0.776	0.67	1.00	0.67
68.40	108.46	3.777	46.06	1.760	0.62	0.000	0.776	0.67	1.00	0.67
68.45	108.46	3.780	46.06	1.761	0.62	0.000	0.776	0.67	1.00	0.67
68.50	108.46	3.782	46.06	1.762	0.62	0.000	0.776	0.67	1.00	0.67
68.55	108.46	3.785	46.06	1.763	0.62	0.000	0.776	0.67	1.00	0.67
68.60	108.46	3.787	46.06	1.764	0.62	0.000	0.776	0.67	1.00	0.67
68.65	108.46	3.790	46.06	1.765	0.62	0.000	0.776	0.67	1.00	0.67
68.70	108.47	3.792	46.07	1.767	0.61	0.000	0.776	0.67	1.00	0.67
68.75	108.47	3.795	46.07	1.768	0.61	0.000	0.776	0.67	1.00	0.67
68.80	108.47	3.797	46.07	1.769	0.61	0.000	0.776	0.67	1.00	0.67
68.85	108.47	3.800	46.07	1.770	0.61	0.000	0.776	0.66	1.00	0.66
68.90	108.47	3.803	46.07	1.771	0.61	0.000	0.776	0.66	1.00	0.66
68.95	108.47	3.805	46.07	1.772	0.61	0.000	0.776	0.66	1.00	0.66
69.00	108.47	3.808	46.07	1.773	0.61	0.000	0.776	0.66	1.00	0.66
69.05	108.47	3.810	46.07	1.774	0.61	0.000	0.776	0.66	1.00	0.66
69.10	108.48	3.813	46.08	1.775	0.61	0.000	0.776	0.66	1.00	0.66
69.15	108.48	3.815	46.08	1.776	0.61	0.000	0.776	0.66	1.00	0.66
69.20	108.48	3.818	46.08	1.777	0.61	0.000	0.776	0.66	1.00	0.66
69.25	108.48	3.821	46.08	1.779	0.61	0.000	0.776	0.66	1.00	0.66
69.30	108.48	3.823	46.08	1.780	0.61	0.000	0.776	0.66	1.00	0.66
69.35	108.48	3.826	46.08	1.781	0.61	0.000	0.776	0.66	1.00	0.66
69.40	108.48	3.828	46.08	1.782	0.61	0.000	0.776	0.66	1.00	0.66
69.45	108.49	3.831	46.09	1.783	0.61	0.000	0.776	0.66	1.00	0.66
69.50	108.49	3.833	46.09	1.784	0.61	0.000	0.776	0.66	1.00	0.66
69.55	108.49	3.836	46.09	1.785	0.61	0.000	0.776	0.66	1.00	0.66
69.60	108.49	3.838	46.09	1.786	0.61	0.000	0.776	0.66	1.00	0.66
69.65	108.49	3.841	46.09	1.787	0.61	0.000	0.776	0.66	1.00	0.66
69.70	108.49	3.844	46.09	1.788	0.61	0.000	0.776	0.66	1.00	0.66
69.75	108.49	3.846	46.09	1.789	0.61	0.000	0.776	0.66	1.00	0.66
69.80	108.49	3.849	46.09	1.791	0.61	0.000	0.776	0.66	1.00	0.66

69.85	108.50	3.851	46.10	1.792	0.61	0.000	0.776	0.66	1.00	0.66
69.90	108.50	3.854	46.10	1.793	0.61	0.000	0.776	0.66	1.00	0.66
69.95	108.50	3.856	46.10	1.794	0.60	0.000	0.776	0.66	1.00	0.66
70.00	108.50	3.859	46.10	1.795	0.60	0.000	0.776	0.66	1.00	0.66

CSR is based on water table at 0.00 during earthquake

CRR Calculation from SPT or BPT data:

Depth ft	SPT	Cebs	Cr	sigma' atm	Cn	(N1)60	Fines %	d(N1)60	(N1)60f	CRR7.5
7.50	16.00	1.96	0.75	0.324	1.70	39.98	NoLiq	13.00	52.97	0.50
7.55	16.00	1.96	0.75	0.326	1.70	39.98	NoLiq	13.00	52.97	0.50
7.60	16.00	1.96	0.75	0.328	1.70	39.98	NoLiq	13.00	52.97	0.50
7.65	16.00	1.96	0.75	0.330	1.70	39.98	NoLiq	13.00	52.97	0.50
7.70	16.00	1.96	0.75	0.333	1.70	39.98	NoLiq	13.00	52.97	0.50
7.75	16.00	1.96	0.75	0.335	1.70	39.98	NoLiq	13.00	52.97	0.50
7.80	16.00	1.96	0.75	0.337	1.70	39.98	NoLiq	13.00	52.97	0.50
7.85	16.00	1.96	0.75	0.339	1.70	39.98	NoLiq	13.00	52.97	0.50
7.90	16.00	1.96	0.75	0.341	1.70	39.98	NoLiq	13.00	52.97	0.50
7.95	16.00	1.96	0.75	0.344	1.70	39.98	NoLiq	13.00	52.97	0.50
8.00	16.00	1.96	0.75	0.346	1.70	39.98	NoLiq	13.00	52.97	0.50
8.05	16.00	1.96	0.75	0.348	1.69	39.86	NoLiq	12.97	52.83	0.50
8.10	16.00	1.96	0.75	0.350	1.69	39.73	NoLiq	12.95	52.68	0.50
8.15	16.00	1.96	0.75	0.353	1.68	39.60	NoLiq	12.92	52.52	0.50
8.20	16.00	1.96	0.75	0.355	1.68	39.48	NoLiq	12.90	52.37	0.50
8.25	16.00	1.96	0.85	0.357	1.67	44.60	NoLiq	13.92	58.52	0.50
8.30	16.00	1.96	0.85	0.359	1.67	44.46	NoLiq	13.89	58.35	0.50
8.35	16.00	1.96	0.85	0.362	1.66	44.32	NoLiq	13.86	58.18	0.50
8.40	16.00	1.96	0.85	0.364	1.66	44.18	NoLiq	13.84	58.01	0.50
8.45	16.00	1.96	0.85	0.366	1.65	44.04	NoLiq	13.81	57.85	0.50
8.50	16.00	1.96	0.85	0.369	1.65	43.90	NoLiq	13.78	57.68	0.50
8.55	16.00	1.96	0.85	0.371	1.64	43.76	NoLiq	13.75	57.52	0.50
8.60	16.00	1.96	0.85	0.373	1.64	43.63	NoLiq	13.73	57.35	0.50
8.65	16.00	1.96	0.85	0.375	1.63	43.49	NoLiq	13.70	57.19	0.50
8.70	16.00	1.96	0.85	0.378	1.63	43.36	NoLiq	13.67	57.03	0.50
8.75	16.00	1.96	0.85	0.380	1.62	43.23	NoLiq	13.65	56.87	0.50
8.80	16.00	1.96	0.85	0.382	1.62	43.09	NoLiq	13.62	56.71	0.50
8.85	16.00	1.96	0.85	0.385	1.61	42.96	NoLiq	13.59	56.55	0.50
8.90	16.00	1.96	0.85	0.387	1.61	42.83	NoLiq	13.57	56.40	0.50
8.95	16.00	1.96	0.85	0.390	1.60	42.70	NoLiq	13.54	56.24	0.50
9.00	16.00	1.96	0.85	0.392	1.60	42.57	NoLiq	13.51	56.09	0.50
9.05	16.00	1.96	0.85	0.394	1.59	42.44	NoLiq	13.49	55.93	0.50
9.10	16.00	1.96	0.85	0.397	1.59	42.31	NoLiq	13.46	55.78	0.50
9.15	16.00	1.96	0.85	0.399	1.58	42.19	NoLiq	13.44	55.63	0.50
9.20	16.00	1.96	0.85	0.401	1.58	42.06	NoLiq	13.41	55.47	0.50
9.25	16.00	1.96	0.85	0.404	1.57	41.94	NoLiq	13.39	55.32	0.50
9.30	16.00	1.96	0.85	0.406	1.57	41.81	NoLiq	13.36	55.17	0.50
9.35	16.00	1.96	0.85	0.409	1.56	41.69	NoLiq	13.34	55.02	0.50
9.40	16.00	1.96	0.85	0.411	1.56	41.56	NoLiq	13.31	54.88	0.50
9.45	16.00	1.96	0.85	0.414	1.55	41.44	NoLiq	13.29	54.73	0.50
9.50	16.00	1.96	0.85	0.416	1.55	41.32	NoLiq	13.26	54.58	0.50
9.55	16.00	1.96	0.85	0.418	1.55	41.20	NoLiq	13.24	54.44	0.50
9.60	16.00	1.96	0.85	0.421	1.54	41.08	NoLiq	13.22	54.29	0.50
9.65	16.00	1.96	0.85	0.423	1.54	40.96	NoLiq	13.19	54.15	0.50
9.70	16.00	1.96	0.85	0.426	1.53	40.84	NoLiq	13.17	54.01	0.50
9.75	16.00	1.96	0.85	0.428	1.53	40.72	NoLiq	13.14	53.86	0.50
9.80	16.00	1.96	0.85	0.431	1.52	40.60	NoLiq	13.12	53.72	0.50
9.85	16.00	1.96	0.85	0.433	1.52	40.48	NoLiq	13.10	53.58	0.50
9.90	16.00	1.96	0.85	0.436	1.51	40.37	NoLiq	13.07	53.44	0.50
9.95	16.00	1.96	0.85	0.438	1.51	40.25	NoLiq	13.05	53.30	0.50
10.00	16.00	1.96	0.85	0.441	1.51	40.14	NoLiq	13.03	53.16	0.50
10.05	16.00	1.96	0.85	0.443	1.50	40.02	NoLiq	13.00	53.03	0.50
10.10	16.00	1.96	0.85	0.446	1.50	39.91	NoLiq	12.98	52.89	0.50
10.15	16.00	1.96	0.85	0.448	1.49	39.80	NoLiq	12.96	52.75	0.50
10.20	16.00	1.96	0.85	0.451	1.49	39.68	NoLiq	12.94	52.62	0.50
10.25	16.00	1.96	0.85	0.454	1.48	39.57	NoLiq	12.91	52.49	0.50
10.30	16.00	1.96	0.85	0.456	1.48	39.46	NoLiq	12.89	52.35	0.50
10.35	16.00	1.96	0.85	0.459	1.48	39.35	NoLiq	12.87	52.22	0.50
10.40	16.00	1.96	0.85	0.461	1.47	39.24	NoLiq	12.85	52.09	0.50
10.45	16.00	1.96	0.85	0.464	1.47	39.13	NoLiq	12.83	51.96	0.50
10.50	16.00	1.96	0.85	0.466	1.46	39.02	NoLiq	12.80	51.82	0.50
10.55	16.00	1.96	0.85	0.469	1.46	38.91	NoLiq	12.78	51.70	0.50

10.60	16.00	1.96	0.85	0.472	1.46	38.80	NoLiq	12.76	51.57	0.50
10.65	16.00	1.96	0.85	0.474	1.45	38.70	NoLiq	12.74	51.44	0.50
10.70	16.00	1.96	0.85	0.477	1.45	38.59	NoLiq	12.72	51.31	0.50
10.75	16.00	1.96	0.85	0.480	1.44	38.49	NoLiq	12.70	51.18	0.50
10.80	16.00	1.96	0.85	0.482	1.44	38.38	NoLiq	12.68	51.06	0.50
10.85	16.00	1.96	0.85	0.485	1.44	38.28	NoLiq	12.66	50.93	0.50
10.90	16.00	1.96	0.85	0.487	1.43	38.17	NoLiq	12.63	50.81	0.50
10.95	16.00	1.96	0.85	0.490	1.43	38.07	NoLiq	12.61	50.68	0.50
11.00	16.00	1.96	0.85	0.493	1.42	37.96	NoLiq	12.59	50.56	0.50
11.05	16.00	1.96	0.85	0.495	1.42	37.86	NoLiq	12.57	50.43	0.50
11.10	16.00	1.96	0.85	0.498	1.42	37.76	NoLiq	12.55	50.31	0.50
11.15	16.00	1.96	0.85	0.501	1.41	37.66	NoLiq	12.53	50.19	0.50
11.20	16.00	1.96	0.85	0.504	1.41	37.56	NoLiq	12.51	50.07	0.50
11.25	16.00	1.96	0.85	0.506	1.41	37.46	NoLiq	12.49	49.95	0.50
11.30	16.00	1.96	0.85	0.509	1.40	37.36	NoLiq	12.47	49.83	0.50
11.35	16.00	1.96	0.85	0.512	1.40	37.26	NoLiq	12.45	49.71	0.50
11.40	16.00	1.96	0.85	0.514	1.39	37.16	NoLiq	12.43	49.59	0.50
11.45	16.00	1.96	0.85	0.517	1.39	37.06	NoLiq	12.41	49.47	0.50
11.50	16.00	1.96	0.85	0.520	1.39	36.96	NoLiq	12.39	49.36	0.50
11.55	16.00	1.96	0.85	0.523	1.38	36.87	NoLiq	12.37	49.24	0.50
11.60	16.00	1.96	0.85	0.525	1.38	36.77	NoLiq	12.35	49.12	0.50
11.65	16.00	1.96	0.85	0.528	1.38	36.67	NoLiq	12.33	49.01	0.50
11.70	16.00	1.96	0.85	0.531	1.37	36.58	NoLiq	12.32	48.89	0.50
11.75	16.00	1.96	0.85	0.534	1.37	36.48	NoLiq	12.30	48.78	0.50
11.80	16.00	1.96	0.85	0.536	1.37	36.39	NoLiq	12.28	48.67	0.50
11.85	16.00	1.96	0.85	0.539	1.36	36.29	NoLiq	12.26	48.55	0.50
11.90	16.00	1.96	0.85	0.542	1.36	36.20	NoLiq	12.24	48.44	0.50
11.95	16.00	1.96	0.85	0.545	1.35	36.11	NoLiq	12.22	48.33	0.50
12.00	16.00	1.96	0.85	0.548	1.35	36.01	NoLiq	12.20	48.22	0.50
12.05	16.00	1.96	0.85	0.550	1.35	35.92	NoLiq	12.18	48.11	0.50
12.10	16.00	1.96	0.85	0.553	1.34	35.83	NoLiq	12.17	48.00	0.50
12.15	16.00	1.96	0.85	0.556	1.34	35.74	NoLiq	12.15	47.89	0.50
12.20	16.00	1.96	0.85	0.559	1.34	35.65	NoLiq	12.13	47.78	0.50
12.25	16.00	1.96	0.85	0.562	1.33	35.56	NoLiq	12.11	47.67	0.50
12.30	16.00	1.96	0.85	0.565	1.33	35.47	NoLiq	12.09	47.56	0.50
12.35	16.00	1.96	0.85	0.568	1.33	35.38	NoLiq	12.08	47.45	0.50
12.40	16.00	1.96	0.85	0.570	1.32	35.29	NoLiq	12.06	47.35	0.50
12.45	16.00	1.96	0.85	0.573	1.32	35.20	NoLiq	12.04	47.24	0.50
12.50	16.00	1.96	0.85	0.576	1.32	35.11	NoLiq	12.02	47.13	0.50
12.55	15.92	1.96	0.85	0.579	1.31	34.85	NoLiq	11.97	46.82	0.50
12.60	15.84	1.96	0.85	0.582	1.31	34.59	NoLiq	11.92	46.50	0.50
12.65	15.76	1.96	0.85	0.585	1.31	34.33	NoLiq	11.87	46.19	0.50
12.70	15.68	1.96	0.85	0.588	1.30	34.07	NoLiq	11.81	45.88	0.50
12.75	15.60	1.96	0.85	0.591	1.30	33.81	NoLiq	11.76	45.57	0.50
12.80	15.52	1.96	0.85	0.593	1.30	33.56	NoLiq	11.71	45.27	0.50
12.85	15.44	1.96	0.85	0.596	1.29	33.30	NoLiq	11.66	44.96	0.50
12.90	15.36	1.96	0.85	0.599	1.29	33.05	NoLiq	11.61	44.66	0.50
12.95	15.28	1.96	0.85	0.602	1.29	32.80	NoLiq	11.56	44.36	0.50
13.00	15.20	1.96	0.85	0.605	1.29	32.55	NoLiq	11.51	44.06	0.50
13.05	15.12	1.96	0.85	0.608	1.28	32.30	NoLiq	11.46	43.76	0.50
13.10	15.04	1.96	0.85	0.611	1.28	32.05	NoLiq	11.41	43.46	0.50
13.15	14.96	1.96	0.85	0.614	1.28	31.81	NoLiq	11.36	43.17	0.50
13.20	14.88	1.96	0.85	0.617	1.27	31.56	NoLiq	11.31	42.88	0.50
13.25	14.80	1.96	0.85	0.619	1.27	31.32	NoLiq	11.26	42.59	0.50
13.30	14.72	1.96	0.85	0.622	1.27	31.08	NoLiq	11.22	42.30	0.50
13.35	14.64	1.96	0.85	0.625	1.26	30.84	NoLiq	11.17	42.01	0.50
13.40	14.56	1.96	0.85	0.628	1.26	30.60	NoLiq	11.12	41.72	0.50
13.45	14.48	1.96	0.85	0.631	1.26	30.36	NoLiq	11.07	41.43	0.50
13.50	14.40	1.96	0.85	0.634	1.26	30.13	NoLiq	11.03	41.15	0.50
13.55	14.32	1.96	0.85	0.637	1.25	29.89	NoLiq	10.98	40.87	0.50
13.60	14.24	1.96	0.85	0.640	1.25	29.66	NoLiq	10.93	40.59	0.50
13.65	14.16	1.96	0.85	0.643	1.25	29.42	NoLiq	10.88	40.31	0.50
13.70	14.08	1.96	0.85	0.645	1.24	29.19	NoLiq	10.84	40.03	0.50
13.75	14.00	1.96	0.85	0.648	1.24	28.96	NoLiq	10.79	39.75	0.50
13.80	13.92	1.96	0.85	0.651	1.24	28.73	NoLiq	10.75	39.48	0.50
13.85	13.84	1.96	0.85	0.654	1.24	28.50	NoLiq	10.70	39.20	0.50
13.90	13.76	1.96	0.85	0.657	1.23	28.28	NoLiq	10.66	38.93	0.50
13.95	13.68	1.96	0.85	0.660	1.23	28.05	NoLiq	10.61	38.66	0.50
14.00	13.60	1.96	0.85	0.663	1.23	27.83	NoLiq	10.57	38.39	0.50
14.05	13.52	1.96	0.85	0.666	1.23	27.60	NoLiq	10.52	38.12	0.50
14.10	13.44	1.96	0.85	0.668	1.22	27.38	NoLiq	10.48	37.86	0.50
14.15	13.36	1.96	0.85	0.671	1.22	27.16	NoLiq	10.43	37.59	0.50
14.20	13.28	1.96	0.85	0.674	1.22	26.94	NoLiq	10.39	37.33	0.50

14.25	13.20	1.96	0.85	0.677	1.22	26.72	NoLiq	10.34	37.06	0.50
14.30	13.12	1.96	0.85	0.680	1.21	26.50	NoLiq	10.30	36.80	0.50
14.35	13.04	1.96	0.85	0.683	1.21	26.28	NoLiq	10.26	36.54	0.50
14.40	12.96	1.96	0.85	0.686	1.21	26.07	NoLiq	10.21	36.28	0.50
14.45	12.88	1.96	0.85	0.689	1.21	25.85	NoLiq	10.17	36.02	0.50
14.50	12.80	1.96	0.85	0.692	1.20	25.64	NoLiq	10.13	35.77	0.50
14.55	12.72	1.96	0.85	0.694	1.20	25.43	NoLiq	10.09	35.51	0.50
14.60	12.64	1.96	0.85	0.697	1.20	25.21	NoLiq	10.04	35.26	0.50
14.65	12.56	1.96	0.85	0.700	1.20	25.00	NoLiq	10.00	35.00	0.50
14.70	12.48	1.96	0.85	0.703	1.19	24.79	NoLiq	9.96	34.75	0.50
14.75	12.40	1.96	0.85	0.706	1.19	24.58	NoLiq	9.92	34.50	0.50
14.80	12.32	1.96	0.95	0.709	1.19	27.24	NoLiq	10.45	37.69	0.50
14.85	12.24	1.96	0.95	0.712	1.19	27.01	NoLiq	10.40	37.41	0.50
14.90	12.16	1.96	0.95	0.715	1.18	26.78	NoLiq	10.36	37.14	0.50
14.95	12.08	1.96	0.95	0.717	1.18	26.55	NoLiq	10.31	36.86	0.50
15.00	12.00	1.96	0.95	0.720	1.18	26.32	NoLiq	10.26	36.59	0.50
15.05	11.92	1.96	0.95	0.723	1.18	26.09	NoLiq	10.22	36.31	0.50
15.10	11.84	1.96	0.95	0.726	1.17	25.87	NoLiq	10.17	36.04	0.50
15.15	11.76	1.96	0.95	0.729	1.17	25.64	NoLiq	10.13	35.77	0.50
15.20	11.68	1.96	0.95	0.732	1.17	25.42	NoLiq	10.08	35.50	0.50
15.25	11.60	1.96	0.95	0.735	1.17	25.19	NoLiq	10.04	35.23	0.50
15.30	11.52	1.96	0.95	0.738	1.16	24.97	NoLiq	9.99	34.97	0.50
15.35	11.44	1.96	0.95	0.740	1.16	24.75	NoLiq	9.95	34.70	0.50
15.40	11.36	1.96	0.95	0.743	1.16	24.53	NoLiq	9.91	34.44	0.50
15.45	11.28	1.96	0.95	0.746	1.16	24.31	NoLiq	9.86	34.17	0.50
15.50	11.20	1.96	0.95	0.749	1.16	24.09	NoLiq	9.82	33.91	0.50
15.55	11.12	1.96	0.95	0.752	1.15	23.87	NoLiq	9.77	33.65	0.50
15.60	11.04	1.96	0.95	0.755	1.15	23.66	NoLiq	9.73	33.39	0.50
15.65	10.96	1.96	0.95	0.758	1.15	23.44	NoLiq	9.69	33.13	0.50
15.70	10.88	1.96	0.95	0.760	1.15	23.23	NoLiq	9.65	32.87	0.50
15.75	10.80	1.96	0.95	0.763	1.14	23.01	NoLiq	9.60	32.61	0.50
15.80	10.72	1.96	0.95	0.766	1.14	22.80	NoLiq	9.56	32.36	0.50
15.85	10.64	1.96	0.95	0.769	1.14	22.59	NoLiq	9.52	32.10	0.50
15.90	10.56	1.96	0.95	0.772	1.14	22.38	NoLiq	9.48	31.85	0.50
15.95	10.48	1.96	0.95	0.775	1.14	22.16	NoLiq	9.43	31.60	0.50
16.00	10.40	1.96	0.95	0.778	1.13	21.95	NoLiq	9.39	31.35	0.50
16.05	10.32	1.96	0.95	0.781	1.13	21.75	NoLiq	9.35	31.09	0.50
16.10	10.24	1.96	0.95	0.783	1.13	21.54	NoLiq	9.31	30.85	0.50
16.15	10.16	1.96	0.95	0.786	1.13	21.33	NoLiq	9.27	30.60	0.50
16.20	10.08	1.96	0.95	0.789	1.13	21.12	NoLiq	9.22	30.35	0.50
16.25	10.00	1.96	0.95	0.792	1.12	20.92	NoLiq	9.18	30.10	0.49
16.30	9.92	1.96	0.95	0.795	1.12	20.71	NoLiq	9.14	29.86	0.43
16.35	9.84	1.96	0.95	0.798	1.12	20.51	NoLiq	9.10	29.61	0.41
16.40	9.76	1.96	0.95	0.801	1.12	20.31	NoLiq	9.06	29.37	0.39
16.45	9.68	1.96	0.95	0.803	1.12	20.10	NoLiq	9.02	29.13	0.38
16.50	9.60	1.96	0.95	0.806	1.11	19.90	NoLiq	8.98	28.88	0.37
16.55	9.52	1.96	0.95	0.809	1.11	19.70	NoLiq	8.94	28.64	0.36
16.60	9.44	1.96	0.95	0.812	1.11	19.50	NoLiq	8.90	28.40	0.35
16.65	9.36	1.96	0.95	0.815	1.11	19.30	NoLiq	8.86	28.16	0.35
16.70	9.28	1.96	0.95	0.818	1.11	19.10	NoLiq	8.82	27.92	0.34
16.75	9.20	1.96	0.95	0.821	1.10	18.91	NoLiq	8.78	27.69	0.34
16.80	9.12	1.96	0.95	0.823	1.10	18.71	NoLiq	8.74	27.45	0.33
16.85	9.04	1.96	0.95	0.826	1.10	18.51	NoLiq	8.70	27.22	0.32
16.90	8.96	1.96	0.95	0.829	1.10	18.32	NoLiq	8.66	26.98	0.32
16.95	8.88	1.96	0.95	0.832	1.10	18.12	NoLiq	8.62	26.75	0.31
17.00	8.80	1.96	0.95	0.835	1.09	17.93	NoLiq	8.59	26.51	0.31
17.05	8.72	1.96	0.95	0.836	1.09	17.75	NoLiq	8.55	26.30	0.31
17.10	8.64	1.96	0.95	0.838	1.09	17.57	NoLiq	8.51	26.09	0.30
17.15	8.56	1.96	0.95	0.839	1.09	17.40	NoLiq	8.48	25.88	0.30
17.20	8.48	1.96	0.95	0.840	1.09	17.22	NoLiq	8.44	25.66	0.29
17.25	8.40	1.96	0.95	0.842	1.09	17.04	NoLiq	8.41	25.45	0.29
17.30	8.32	1.96	0.95	0.843	1.09	16.87	NoLiq	8.37	25.24	0.29
17.35	8.24	1.96	0.95	0.845	1.09	16.69	NoLiq	8.34	25.03	0.28
17.40	8.16	1.96	0.95	0.846	1.09	16.52	NoLiq	8.30	24.82	0.28
17.45	8.08	1.96	0.95	0.847	1.09	16.34	NoLiq	8.27	24.61	0.28
17.50	8.00	1.96	0.95	0.849	1.09	16.17	NoLiq	8.23	24.40	0.27
17.55	8.00	1.96	0.95	0.850	1.08	16.15	NoLiq	8.23	24.38	0.27
17.60	8.00	1.96	0.95	0.851	1.08	16.14	NoLiq	8.23	24.37	0.27
17.65	8.00	1.96	0.95	0.853	1.08	16.13	NoLiq	8.23	24.35	0.27
17.70	8.00	1.96	0.95	0.854	1.08	16.11	NoLiq	8.22	24.34	0.27
17.75	8.00	1.96	0.95	0.856	1.08	16.10	NoLiq	8.22	24.32	0.27
17.80	8.00	1.96	0.95	0.857	1.08	16.09	NoLiq	8.22	24.31	0.27
17.85	8.00	1.96	0.95	0.858	1.08	16.07	NoLiq	8.21	24.29	0.27

17.90	8.00	1.96	0.95	0.860	1.08	16.06	NoLiq	8.21	24.27	0.27
17.95	8.00	1.96	0.95	0.861	1.08	16.05	NoLiq	8.21	24.26	0.27
18.00	8.00	1.96	0.95	0.863	1.08	16.04	NoLiq	8.21	24.24	0.27
18.05	8.00	1.96	0.95	0.864	1.08	16.02	NoLiq	8.20	24.23	0.27
18.10	8.00	1.96	0.95	0.865	1.08	16.01	NoLiq	8.20	24.21	0.27
18.15	8.00	1.96	0.95	0.867	1.07	16.00	NoLiq	8.20	24.20	0.27
18.20	8.00	1.96	0.95	0.868	1.07	15.98	NoLiq	8.20	24.18	0.27
18.25	8.00	1.96	0.95	0.869	1.07	15.97	NoLiq	8.19	24.17	0.27
18.30	8.00	1.96	0.95	0.871	1.07	15.96	NoLiq	8.19	24.15	0.27
18.35	8.00	1.96	0.95	0.872	1.07	15.95	NoLiq	8.19	24.14	0.27
18.40	8.00	1.96	0.95	0.874	1.07	15.93	NoLiq	8.19	24.12	0.27
18.45	8.00	1.96	0.95	0.875	1.07	15.92	NoLiq	8.18	24.11	0.27
18.50	8.00	1.96	0.95	0.876	1.07	15.91	NoLiq	8.18	24.09	0.27
18.55	8.00	1.96	0.95	0.878	1.07	15.90	NoLiq	8.18	24.08	0.27
18.60	8.00	1.96	0.95	0.879	1.07	15.88	NoLiq	8.18	24.06	0.27
18.65	8.00	1.96	0.95	0.881	1.07	15.87	NoLiq	8.17	24.04	0.27
18.70	8.00	1.96	0.95	0.882	1.06	15.86	NoLiq	8.17	24.03	0.27
18.75	8.00	1.96	0.95	0.883	1.06	15.85	NoLiq	8.17	24.01	0.27
18.80	8.00	1.96	0.95	0.885	1.06	15.83	NoLiq	8.17	24.00	0.27
18.85	8.00	1.96	0.95	0.886	1.06	15.82	NoLiq	8.16	23.98	0.27
18.90	8.00	1.96	0.95	0.888	1.06	15.81	NoLiq	8.16	23.97	0.27
18.95	8.00	1.96	0.95	0.889	1.06	15.80	NoLiq	8.16	23.96	0.27
19.00	8.00	1.96	0.95	0.890	1.06	15.78	NoLiq	8.16	23.94	0.27
19.05	8.00	1.96	0.95	0.892	1.06	15.77	NoLiq	8.15	23.93	0.27
19.10	8.00	1.96	0.95	0.893	1.06	15.76	NoLiq	8.15	23.91	0.27
19.15	8.00	1.96	0.95	0.895	1.06	15.75	NoLiq	8.15	23.90	0.27
19.20	8.00	1.96	0.95	0.896	1.06	15.73	NoLiq	8.15	23.88	0.27
19.25	8.00	1.96	0.95	0.897	1.06	15.72	NoLiq	8.14	23.87	0.27
19.30	8.00	1.96	0.95	0.899	1.05	15.71	NoLiq	8.14	23.85	0.27
19.35	8.00	1.96	0.95	0.900	1.05	15.70	NoLiq	8.14	23.84	0.26
19.40	8.00	1.96	0.95	0.901	1.05	15.69	NoLiq	8.14	23.82	0.26
19.45	8.00	1.96	0.95	0.903	1.05	15.67	NoLiq	8.13	23.81	0.26
19.50	8.00	1.96	0.95	0.904	1.05	15.66	NoLiq	8.13	23.79	0.26
19.55	8.00	1.96	0.95	0.906	1.05	15.65	NoLiq	8.13	23.78	0.26
19.60	8.00	1.96	0.95	0.907	1.05	15.64	NoLiq	8.13	23.76	0.26
19.65	8.00	1.96	0.95	0.908	1.05	15.63	NoLiq	8.13	23.75	0.26
19.70	8.00	1.96	0.95	0.910	1.05	15.61	NoLiq	8.12	23.74	0.26
19.75	8.00	1.96	0.95	0.911	1.05	15.60	NoLiq	8.12	23.72	0.26
19.80	8.00	1.96	0.95	0.913	1.05	15.59	NoLiq	8.12	23.71	0.26
19.85	8.00	1.96	0.95	0.914	1.05	15.58	NoLiq	8.12	23.69	0.26
19.90	8.00	1.96	0.95	0.915	1.05	15.57	NoLiq	8.11	23.68	0.26
19.95	8.00	1.96	0.95	0.917	1.04	15.55	NoLiq	8.11	23.66	0.26
20.00	8.00	1.96	0.95	0.918	1.04	15.54	NoLiq	8.11	23.65	0.26
20.05	8.00	1.96	0.95	0.920	1.04	15.53	NoLiq	8.11	23.64	0.26
20.10	8.00	1.96	0.95	0.921	1.04	15.52	NoLiq	8.10	23.62	0.26
20.15	8.00	1.96	0.95	0.923	1.04	15.51	NoLiq	8.10	23.61	0.26
20.20	8.00	1.96	0.95	0.924	1.04	15.49	NoLiq	8.10	23.59	0.26
20.25	8.00	1.96	0.95	0.925	1.04	15.48	NoLiq	8.10	23.58	0.26
20.30	8.00	1.96	0.95	0.927	1.04	15.47	NoLiq	8.09	23.56	0.26
20.35	8.00	1.96	0.95	0.928	1.04	15.46	NoLiq	8.09	23.55	0.26
20.40	8.00	1.96	0.95	0.930	1.04	15.45	NoLiq	8.09	23.54	0.26
20.45	8.00	1.96	0.95	0.931	1.04	15.44	NoLiq	8.09	23.52	0.26
20.50	8.00	1.96	0.95	0.932	1.04	15.42	NoLiq	8.08	23.51	0.26
20.55	8.00	1.96	0.95	0.934	1.03	15.41	NoLiq	8.08	23.49	0.26
20.60	8.00	1.96	0.95	0.935	1.03	15.40	NoLiq	8.08	23.48	0.26
20.65	8.00	1.96	0.95	0.937	1.03	15.39	NoLiq	8.08	23.47	0.26
20.70	8.00	1.96	0.95	0.938	1.03	15.38	NoLiq	8.08	23.45	0.26
20.75	8.00	1.96	0.95	0.939	1.03	15.37	NoLiq	8.07	23.44	0.26
20.80	8.00	1.96	0.95	0.941	1.03	15.35	NoLiq	8.07	23.43	0.26
20.85	8.00	1.96	0.95	0.942	1.03	15.34	NoLiq	8.07	23.41	0.26
20.90	8.00	1.96	0.95	0.944	1.03	15.33	NoLiq	8.07	23.40	0.26
20.95	8.00	1.96	0.95	0.945	1.03	15.32	NoLiq	8.06	23.38	0.26
21.00	8.00	1.96	0.95	0.946	1.03	15.31	NoLiq	8.06	23.37	0.26
21.05	8.00	1.96	0.95	0.948	1.03	15.30	NoLiq	8.06	23.36	0.26
21.10	8.00	1.96	0.95	0.949	1.03	15.29	NoLiq	8.06	23.34	0.26
21.15	8.00	1.96	0.95	0.951	1.03	15.27	NoLiq	8.05	23.33	0.26
21.20	8.00	1.96	0.95	0.952	1.02	15.26	NoLiq	8.05	23.32	0.26
21.25	8.00	1.96	0.95	0.954	1.02	15.25	NoLiq	8.05	23.30	0.26
21.30	8.00	1.96	0.95	0.955	1.02	15.24	NoLiq	8.05	23.29	0.26
21.35	8.00	1.96	0.95	0.956	1.02	15.23	NoLiq	8.05	23.27	0.26
21.40	8.00	1.96	0.95	0.958	1.02	15.22	NoLiq	8.04	23.26	0.26
21.45	8.00	1.96	0.95	0.959	1.02	15.21	NoLiq	8.04	23.25	0.26
21.50	8.00	1.96	0.95	0.961	1.02	15.20	NoLiq	8.04	23.23	0.26

21.55	8.00	1.96	0.95	0.962	1.02	15.18	NoLiq	8.04	23.22	0.26
21.60	8.00	1.96	0.95	0.963	1.02	15.17	NoLiq	8.03	23.21	0.26
21.65	8.00	1.96	0.95	0.965	1.02	15.16	NoLiq	8.03	23.19	0.26
21.70	8.00	1.96	0.95	0.966	1.02	15.15	NoLiq	8.03	23.18	0.26
21.75	8.00	1.96	0.95	0.968	1.02	15.14	NoLiq	8.03	23.17	0.26
21.80	8.00	1.96	0.95	0.969	1.02	15.13	NoLiq	8.03	23.15	0.26
21.85	8.00	1.96	0.95	0.971	1.02	15.12	NoLiq	8.02	23.14	0.26
21.90	8.00	1.96	0.95	0.972	1.01	15.11	NoLiq	8.02	23.13	0.25
21.95	8.00	1.96	0.95	0.973	1.01	15.10	NoLiq	8.02	23.11	0.25
22.00	8.00	1.96	0.95	0.975	1.01	15.08	NoLiq	8.02	23.10	0.25
22.05	8.00	1.96	0.95	0.976	1.01	15.07	NoLiq	8.01	23.09	0.25
22.10	8.00	1.96	0.95	0.978	1.01	15.06	NoLiq	8.01	23.07	0.25
22.15	8.00	1.96	0.95	0.979	1.01	15.05	NoLiq	8.01	23.06	0.25
22.20	8.00	1.96	0.95	0.980	1.01	15.04	NoLiq	8.01	23.05	0.25
22.25	8.00	1.96	0.95	0.982	1.01	15.03	NoLiq	8.01	23.04	0.25
22.30	8.00	1.96	0.95	0.983	1.01	15.02	NoLiq	8.00	23.02	0.25
22.35	8.00	1.96	0.95	0.985	1.01	15.01	NoLiq	8.00	23.01	0.25
22.40	8.00	1.96	0.95	0.986	1.01	15.00	NoLiq	8.00	23.00	0.25
22.45	8.00	1.96	0.95	0.988	1.01	14.99	NoLiq	8.00	22.98	0.25
22.50	8.00	1.96	0.95	0.989	1.01	14.98	NoLiq	8.00	22.97	0.25
22.55	8.01	1.96	0.95	0.990	1.00	14.98	NoLiq	8.00	22.98	0.25
22.60	8.02	1.96	0.95	0.992	1.00	14.99	NoLiq	8.00	22.99	0.25
22.65	8.03	1.96	0.95	0.993	1.00	15.00	NoLiq	8.00	23.00	0.25
22.70	8.04	1.96	0.95	0.995	1.00	15.01	NoLiq	8.00	23.01	0.25
22.75	8.05	1.96	0.95	0.996	1.00	15.01	NoLiq	8.00	23.02	0.25
22.80	8.06	1.96	0.95	0.998	1.00	15.02	NoLiq	8.00	23.03	0.25
22.85	8.07	1.96	0.95	0.999	1.00	15.03	NoLiq	8.01	23.04	0.25
22.90	8.08	1.96	0.95	1.000	1.00	15.04	NoLiq	8.01	23.05	0.25
22.95	8.09	1.96	0.95	1.002	1.00	15.05	NoLiq	8.01	23.06	0.25
23.00	8.10	1.96	0.95	1.003	1.00	15.05	NoLiq	8.01	23.07	0.25
23.05	8.11	1.96	0.95	1.005	1.00	15.06	NoLiq	8.01	23.07	0.25
23.10	8.12	1.96	0.95	1.006	1.00	15.07	NoLiq	8.01	23.08	0.25
23.15	8.13	1.96	0.95	1.008	1.00	15.08	NoLiq	8.02	23.09	0.25
23.20	8.14	1.96	0.95	1.009	1.00	15.09	NoLiq	8.02	23.10	0.25
23.25	8.15	1.96	0.95	1.010	0.99	15.09	NoLiq	8.02	23.11	0.25
23.30	8.16	1.96	0.95	1.012	0.99	15.10	NoLiq	8.02	23.12	0.25
23.35	8.17	1.96	0.95	1.013	0.99	15.11	NoLiq	8.02	23.13	0.25
23.40	8.18	1.96	0.95	1.015	0.99	15.12	NoLiq	8.02	23.14	0.26
23.45	8.19	1.96	0.95	1.016	0.99	15.13	NoLiq	8.03	23.15	0.26
23.50	8.20	1.96	0.95	1.018	0.99	15.13	NoLiq	8.03	23.16	0.26
23.55	8.21	1.96	0.95	1.019	0.99	15.14	NoLiq	8.03	23.17	0.26
23.60	8.22	1.96	0.95	1.020	0.99	15.15	NoLiq	8.03	23.18	0.26
23.65	8.23	1.96	0.95	1.022	0.99	15.16	NoLiq	8.03	23.19	0.26
23.70	8.24	1.96	0.95	1.023	0.99	15.16	NoLiq	8.03	23.20	0.26
23.75	8.25	1.96	0.95	1.025	0.99	15.17	NoLiq	8.03	23.21	0.26
23.80	8.26	1.96	0.95	1.026	0.99	15.18	NoLiq	8.04	23.22	0.26
23.85	8.27	1.96	0.95	1.028	0.99	15.19	NoLiq	8.04	23.23	0.26
23.90	8.28	1.96	0.95	1.029	0.99	15.20	NoLiq	8.04	23.23	0.26
23.95	8.29	1.96	0.95	1.030	0.99	15.20	NoLiq	8.04	23.24	0.26
24.00	8.30	1.96	0.95	1.032	0.98	15.21	NoLiq	8.04	23.25	0.26
24.05	8.31	1.96	0.95	1.033	0.98	15.22	NoLiq	8.04	23.26	0.26
24.10	8.32	1.96	0.95	1.035	0.98	15.23	NoLiq	8.05	23.27	0.26
24.15	8.33	1.96	0.95	1.036	0.98	15.23	NoLiq	8.05	23.28	0.26
24.20	8.34	1.96	0.95	1.037	0.98	15.24	NoLiq	8.05	23.29	0.26
24.25	8.35	1.96	0.95	1.039	0.98	15.25	NoLiq	8.05	23.30	0.26
24.30	8.36	1.96	0.95	1.040	0.98	15.26	NoLiq	8.05	23.31	0.26
24.35	8.37	1.96	0.95	1.042	0.98	15.27	NoLiq	8.05	23.32	0.26
24.40	8.38	1.96	0.95	1.043	0.98	15.27	NoLiq	8.05	23.33	0.26
24.45	8.39	1.96	0.95	1.045	0.98	15.28	NoLiq	8.06	23.34	0.26
24.50	8.40	1.96	0.95	1.046	0.98	15.29	NoLiq	8.06	23.35	0.26
24.55	8.41	1.96	0.95	1.047	0.98	15.30	NoLiq	8.06	23.36	0.26
24.60	8.42	1.96	0.95	1.049	0.98	15.31	NoLiq	8.06	23.37	0.26
24.65	8.43	1.96	0.95	1.050	0.98	15.31	NoLiq	8.06	23.38	0.26
24.70	8.44	1.96	0.95	1.052	0.98	15.32	NoLiq	8.06	23.38	0.26
24.75	8.45	1.96	0.95	1.053	0.97	15.33	NoLiq	8.07	23.39	0.26
24.80	8.46	1.96	0.95	1.055	0.97	15.34	NoLiq	8.07	23.40	0.26
24.85	8.47	1.96	0.95	1.056	0.97	15.34	NoLiq	8.07	23.41	0.26
24.90	8.48	1.96	0.95	1.057	0.97	15.35	NoLiq	8.07	23.42	0.26
24.95	8.49	1.96	0.95	1.059	0.97	15.36	NoLiq	8.07	23.43	0.26
25.00	8.50	1.96	0.95	1.060	0.97	15.37	NoLiq	8.07	23.44	0.26
25.05	8.51	1.96	0.95	1.062	0.97	15.38	NoLiq	8.08	23.45	0.26
25.10	8.52	1.96	0.95	1.063	0.97	15.38	NoLiq	8.08	23.46	0.26
25.15	8.53	1.96	0.95	1.065	0.97	15.39	NoLiq	8.08	23.47	0.26

25.20	8.54	1.96	0.95	1.066	0.97	15.40	NoLiq	8.08	23.48	0.26
25.25	8.55	1.96	0.95	1.067	0.97	15.41	NoLiq	8.08	23.49	0.26
25.30	8.56	1.96	0.95	1.069	0.97	15.41	NoLiq	8.08	23.50	0.26
25.35	8.57	1.96	0.95	1.070	0.97	15.42	NoLiq	8.08	23.51	0.26
25.40	8.58	1.96	0.95	1.072	0.97	15.43	NoLiq	8.09	23.52	0.26
25.45	8.59	1.96	0.95	1.073	0.97	15.44	NoLiq	8.09	23.52	0.26
25.50	8.60	1.96	0.95	1.074	0.96	15.45	NoLiq	8.09	23.53	0.26
25.55	8.61	1.96	0.95	1.076	0.96	15.45	NoLiq	8.09	23.54	0.26
25.60	8.62	1.96	0.95	1.077	0.96	15.46	NoLiq	8.09	23.55	0.26
25.65	8.63	1.96	0.95	1.079	0.96	15.47	NoLiq	8.09	23.56	0.26
25.70	8.64	1.96	0.95	1.080	0.96	15.48	NoLiq	8.10	23.57	0.26
25.75	8.65	1.96	0.95	1.082	0.96	15.48	NoLiq	8.10	23.58	0.26
25.80	8.66	1.96	0.95	1.083	0.96	15.49	NoLiq	8.10	23.59	0.26
25.85	8.67	1.96	0.95	1.084	0.96	15.50	NoLiq	8.10	23.60	0.26
25.90	8.68	1.96	0.95	1.086	0.96	15.51	NoLiq	8.10	23.61	0.26
25.95	8.69	1.96	0.95	1.087	0.96	15.51	NoLiq	8.10	23.62	0.26
26.00	8.70	1.96	0.95	1.089	0.96	15.52	NoLiq	8.10	23.63	0.26
26.05	8.71	1.96	0.95	1.090	0.96	15.53	NoLiq	8.11	23.64	0.26
26.10	8.72	1.96	0.95	1.091	0.96	15.54	NoLiq	8.11	23.65	0.26
26.15	8.73	1.96	0.95	1.093	0.96	15.55	NoLiq	8.11	23.65	0.26
26.20	8.74	1.96	0.95	1.094	0.96	15.55	NoLiq	8.11	23.66	0.26
26.25	8.75	1.96	0.95	1.096	0.96	15.56	NoLiq	8.11	23.67	0.26
26.30	8.76	1.96	0.95	1.097	0.95	15.57	NoLiq	8.11	23.68	0.26
26.35	8.77	1.96	0.95	1.099	0.95	15.58	NoLiq	8.12	23.69	0.26
26.40	8.78	1.96	0.95	1.100	0.95	15.58	NoLiq	8.12	23.70	0.26
26.45	8.79	1.96	0.95	1.101	0.95	15.59	NoLiq	8.12	23.71	0.26
26.50	8.80	1.96	0.95	1.103	0.95	15.60	NoLiq	8.12	23.72	0.26
26.55	8.81	1.96	0.95	1.104	0.95	15.61	NoLiq	8.12	23.73	0.26
26.60	8.82	1.96	0.95	1.106	0.95	15.62	NoLiq	8.12	23.74	0.26
26.65	8.83	1.96	0.95	1.107	0.95	15.62	NoLiq	8.12	23.75	0.26
26.70	8.84	1.96	0.95	1.109	0.95	15.63	NoLiq	8.13	23.76	0.26
26.75	8.85	1.96	0.95	1.110	0.95	15.64	NoLiq	8.13	23.77	0.26
26.80	8.86	1.96	0.95	1.111	0.95	15.65	NoLiq	8.13	23.78	0.26
26.85	8.87	1.96	0.95	1.113	0.95	15.65	NoLiq	8.13	23.78	0.26
26.90	8.88	1.96	0.95	1.114	0.95	15.66	NoLiq	8.13	23.79	0.26
26.95	8.89	1.96	0.95	1.116	0.95	15.67	NoLiq	8.13	23.80	0.26
27.00	8.90	1.96	0.95	1.117	0.95	15.68	NoLiq	8.14	23.81	0.26
27.05	8.91	1.96	0.95	1.118	0.95	15.68	NoLiq	8.14	23.82	0.26
27.10	8.92	1.96	0.95	1.120	0.94	15.69	NoLiq	8.14	23.83	0.26
27.15	8.93	1.96	0.95	1.121	0.94	15.70	NoLiq	8.14	23.84	0.26
27.20	8.94	1.96	0.95	1.123	0.94	15.71	NoLiq	8.14	23.85	0.27
27.25	8.95	1.96	0.95	1.124	0.94	15.71	NoLiq	8.14	23.86	0.27
27.30	8.96	1.96	0.95	1.126	0.94	15.72	NoLiq	8.14	23.87	0.27
27.35	8.97	1.96	0.95	1.127	0.94	15.73	NoLiq	8.15	23.88	0.27
27.40	8.98	1.96	0.95	1.128	0.94	15.74	NoLiq	8.15	23.89	0.27
27.45	8.99	1.96	0.95	1.130	0.94	15.75	NoLiq	8.15	23.89	0.27
27.50	9.00	1.96	0.95	1.131	0.94	15.75	NoLiq	8.15	23.90	0.27
27.55	9.00	1.96	0.95	1.133	0.94	15.74	NoLiq	8.15	23.89	0.27
27.60	9.00	1.96	0.95	1.134	0.94	15.73	NoLiq	8.15	23.88	0.27
27.65	9.00	1.96	0.95	1.135	0.94	15.72	NoLiq	8.14	23.87	0.27
27.70	9.00	1.96	0.95	1.137	0.94	15.71	NoLiq	8.14	23.86	0.27
27.75	9.00	1.96	0.95	1.138	0.94	15.70	NoLiq	8.14	23.85	0.26
27.80	9.00	1.96	0.95	1.140	0.94	15.69	NoLiq	8.14	23.83	0.26
27.85	9.00	1.96	0.95	1.141	0.94	15.68	NoLiq	8.14	23.82	0.26
27.90	9.00	1.96	1.00	1.142	0.94	16.50	NoLiq	8.30	24.80	0.28
27.95	9.00	1.96	1.00	1.144	0.93	16.49	NoLiq	8.30	24.79	0.28
28.00	9.00	1.96	1.00	1.145	0.93	16.48	NoLiq	8.30	24.78	0.28
28.05	9.00	1.96	1.00	1.147	0.93	16.47	NoLiq	8.29	24.76	0.28
28.10	9.00	1.96	1.00	1.148	0.93	16.46	NoLiq	8.29	24.75	0.28
28.15	9.00	1.96	1.00	1.150	0.93	16.45	NoLiq	8.29	24.74	0.28
28.20	9.00	1.96	1.00	1.151	0.93	16.44	NoLiq	8.29	24.73	0.28
28.25	9.00	1.96	1.00	1.152	0.93	16.43	NoLiq	8.29	24.71	0.28
28.30	9.00	1.96	1.00	1.154	0.93	16.42	NoLiq	8.28	24.70	0.28
28.35	9.00	1.96	1.00	1.155	0.93	16.41	NoLiq	8.28	24.69	0.28
28.40	9.00	1.96	1.00	1.157	0.93	16.40	NoLiq	8.28	24.68	0.28
28.45	9.00	1.96	1.00	1.158	0.93	16.39	NoLiq	8.28	24.67	0.28
28.50	9.00	1.96	1.00	1.159	0.93	16.38	NoLiq	8.28	24.65	0.28
28.55	9.00	1.96	1.00	1.161	0.93	16.37	NoLiq	8.27	24.64	0.28
28.60	9.00	1.96	1.00	1.162	0.93	16.36	NoLiq	8.27	24.63	0.28
28.65	9.00	1.96	1.00	1.164	0.93	16.35	NoLiq	8.27	24.62	0.28
28.70	9.00	1.96	1.00	1.165	0.93	16.34	NoLiq	8.27	24.61	0.28
28.75	9.00	1.96	1.00	1.166	0.93	16.33	NoLiq	8.27	24.60	0.28
28.80	9.00	1.96	1.00	1.168	0.93	16.32	NoLiq	8.26	24.58	0.28

28.85	9.00	1.96	1.00	1.169	0.92	16.31	NoLiq	8.26	24.57	0.28
28.90	9.00	1.96	1.00	1.171	0.92	16.30	NoLiq	8.26	24.56	0.28
28.95	9.00	1.96	1.00	1.172	0.92	16.29	NoLiq	8.26	24.55	0.28
29.00	9.00	1.96	1.00	1.173	0.92	16.28	NoLiq	8.26	24.54	0.28
29.05	9.00	1.96	1.00	1.175	0.92	16.27	NoLiq	8.25	24.52	0.28
29.10	9.00	1.96	1.00	1.176	0.92	16.26	NoLiq	8.25	24.51	0.27
29.15	9.00	1.96	1.00	1.178	0.92	16.25	NoLiq	8.25	24.50	0.27
29.20	9.00	1.96	1.00	1.179	0.92	16.24	NoLiq	8.25	24.49	0.27
29.25	9.00	1.96	1.00	1.181	0.92	16.23	NoLiq	8.25	24.48	0.27
29.30	9.00	1.96	1.00	1.182	0.92	16.22	NoLiq	8.24	24.47	0.27
29.35	9.00	1.96	1.00	1.183	0.92	16.21	NoLiq	8.24	24.46	0.27
29.40	9.00	1.96	1.00	1.185	0.92	16.20	NoLiq	8.24	24.44	0.27
29.45	9.00	1.96	1.00	1.186	0.92	16.19	NoLiq	8.24	24.43	0.27
29.50	9.00	1.96	1.00	1.188	0.92	16.18	NoLiq	8.24	24.42	0.27
29.55	9.00	1.96	1.00	1.189	0.92	16.17	NoLiq	8.23	24.41	0.27
29.60	9.00	1.96	1.00	1.190	0.92	16.16	NoLiq	8.23	24.40	0.27
29.65	9.00	1.96	1.00	1.192	0.92	16.16	NoLiq	8.23	24.39	0.27
29.70	9.00	1.96	1.00	1.193	0.92	16.15	NoLiq	8.23	24.38	0.27
29.75	9.00	1.96	1.00	1.195	0.91	16.14	NoLiq	8.23	24.36	0.27
29.80	9.00	1.96	1.00	1.196	0.91	16.13	NoLiq	8.23	24.35	0.27
29.85	9.00	1.96	1.00	1.197	0.91	16.12	NoLiq	8.22	24.34	0.27
29.90	9.00	1.96	1.00	1.199	0.91	16.11	NoLiq	8.22	24.33	0.27
29.95	9.00	1.96	1.00	1.200	0.91	16.10	NoLiq	8.22	24.32	0.27
30.00	9.00	1.96	1.00	1.202	0.91	16.09	NoLiq	8.22	24.31	0.27
30.05	9.00	1.96	1.00	1.203	0.91	16.08	NoLiq	8.22	24.30	0.27
30.10	9.00	1.96	1.00	1.204	0.91	16.07	NoLiq	8.21	24.28	0.27
30.15	9.00	1.96	1.00	1.206	0.91	16.06	NoLiq	8.21	24.27	0.27
30.20	9.00	1.96	1.00	1.207	0.91	16.05	NoLiq	8.21	24.26	0.27
30.25	9.00	1.96	1.00	1.209	0.91	16.04	NoLiq	8.21	24.25	0.27
30.30	9.00	1.96	1.00	1.210	0.91	16.03	NoLiq	8.21	24.24	0.27
30.35	9.00	1.96	1.00	1.211	0.91	16.02	NoLiq	8.20	24.23	0.27
30.40	9.00	1.96	1.00	1.213	0.91	16.01	NoLiq	8.20	24.22	0.27
30.45	9.00	1.96	1.00	1.214	0.91	16.01	NoLiq	8.20	24.21	0.27
30.50	9.00	1.96	1.00	1.216	0.91	16.00	NoLiq	8.20	24.20	0.27
30.55	9.00	1.96	1.00	1.217	0.91	15.99	NoLiq	8.20	24.18	0.27
30.60	9.00	1.96	1.00	1.218	0.91	15.98	NoLiq	8.20	24.17	0.27
30.65	9.00	1.96	1.00	1.220	0.91	15.97	NoLiq	8.19	24.16	0.27
30.70	9.00	1.96	1.00	1.221	0.90	15.96	NoLiq	8.19	24.15	0.27
30.75	9.00	1.96	1.00	1.223	0.90	15.95	NoLiq	8.19	24.14	0.27
30.80	9.00	1.96	1.00	1.224	0.90	15.94	NoLiq	8.19	24.13	0.27
30.85	9.00	1.96	1.00	1.225	0.90	15.93	NoLiq	8.19	24.12	0.27
30.90	9.00	1.96	1.00	1.227	0.90	15.92	NoLiq	8.18	24.11	0.27
30.95	9.00	1.96	1.00	1.228	0.90	15.91	NoLiq	8.18	24.10	0.27
31.00	9.00	1.96	1.00	1.229	0.90	15.91	NoLiq	8.18	24.09	0.27
31.05	9.00	1.96	1.00	1.231	0.90	15.90	NoLiq	8.18	24.08	0.27
31.10	9.00	1.96	1.00	1.232	0.90	15.89	NoLiq	8.18	24.06	0.27
31.15	9.00	1.96	1.00	1.234	0.90	15.88	NoLiq	8.18	24.05	0.27
31.20	9.00	1.96	1.00	1.235	0.90	15.87	NoLiq	8.17	24.04	0.27
31.25	9.00	1.96	1.00	1.236	0.90	15.86	NoLiq	8.17	24.03	0.27
31.30	9.00	1.96	1.00	1.238	0.90	15.85	NoLiq	8.17	24.02	0.27
31.35	9.00	1.96	1.00	1.239	0.90	15.84	NoLiq	8.17	24.01	0.27
31.40	9.00	1.96	1.00	1.241	0.90	15.83	NoLiq	8.17	24.00	0.27
31.45	9.00	1.96	1.00	1.242	0.90	15.83	NoLiq	8.17	23.99	0.27
31.50	9.00	1.96	1.00	1.243	0.90	15.82	NoLiq	8.16	23.98	0.27
31.55	9.00	1.96	1.00	1.245	0.90	15.81	NoLiq	8.16	23.97	0.27
31.60	9.00	1.96	1.00	1.246	0.90	15.80	NoLiq	8.16	23.96	0.27
31.65	9.00	1.96	1.00	1.248	0.90	15.79	NoLiq	8.16	23.95	0.27
31.70	9.00	1.96	1.00	1.249	0.89	15.78	NoLiq	8.16	23.94	0.27
31.75	9.00	1.96	1.00	1.250	0.89	15.77	NoLiq	8.15	23.93	0.27
31.80	9.00	1.96	1.00	1.252	0.89	15.76	NoLiq	8.15	23.92	0.27
31.85	9.00	1.96	1.00	1.253	0.89	15.75	NoLiq	8.15	23.91	0.27
31.90	9.00	1.96	1.00	1.255	0.89	15.75	NoLiq	8.15	23.90	0.27
31.95	9.00	1.96	1.00	1.256	0.89	15.74	NoLiq	8.15	23.88	0.27
32.00	9.00	1.96	1.00	1.257	0.89	15.73	NoLiq	8.15	23.87	0.27
32.05	9.00	1.96	1.00	1.259	0.89	15.72	NoLiq	8.14	23.86	0.27
32.10	9.00	1.96	1.00	1.260	0.89	15.71	NoLiq	8.14	23.85	0.27
32.15	9.00	1.96	1.00	1.261	0.89	15.70	NoLiq	8.14	23.84	0.26
32.20	9.00	1.96	1.00	1.263	0.89	15.69	NoLiq	8.14	23.83	0.26
32.25	9.00	1.96	1.00	1.264	0.89	15.69	NoLiq	8.14	23.82	0.26
32.30	9.00	1.96	1.00	1.266	0.89	15.68	NoLiq	8.14	23.81	0.26
32.35	9.00	1.96	1.00	1.267	0.89	15.67	NoLiq	8.13	23.80	0.26
32.40	9.00	1.96	1.00	1.268	0.89	15.66	NoLiq	8.13	23.79	0.26
32.45	9.00	1.96	1.00	1.270	0.89	15.65	NoLiq	8.13	23.78	0.26

32.50	9.00	1.96	1.00	1.271	0.89	15.64	NoLiq	8.13	23.77	0.26
32.55	9.01	1.96	1.00	1.273	0.89	15.65	NoLiq	8.13	23.78	0.26
32.60	9.02	1.96	1.00	1.274	0.89	15.66	NoLiq	8.13	23.79	0.26
32.65	9.03	1.96	1.00	1.275	0.89	15.67	NoLiq	8.13	23.80	0.26
32.70	9.04	1.96	1.00	1.277	0.89	15.68	NoLiq	8.14	23.81	0.26
32.75	9.05	1.96	1.00	1.278	0.88	15.69	NoLiq	8.14	23.82	0.26
32.80	9.06	1.96	1.00	1.279	0.88	15.70	NoLiq	8.14	23.83	0.26
32.85	9.07	1.96	1.00	1.281	0.88	15.70	NoLiq	8.14	23.85	0.26
32.90	9.08	1.96	1.00	1.282	0.88	15.71	NoLiq	8.14	23.86	0.27
32.95	9.09	1.96	1.00	1.284	0.88	15.72	99.94	8.14	23.87	0.27
33.00	9.10	1.96	1.00	1.285	0.88	15.73	99.82	8.15	23.88	0.27
33.05	9.11	1.96	1.00	1.286	0.88	15.74	99.70	8.15	23.89	0.27
33.10	9.12	1.96	1.00	1.288	0.88	15.75	99.58	8.15	23.90	0.27
33.15	9.13	1.96	1.00	1.289	0.88	15.76	99.47	8.15	23.91	0.27
33.20	9.14	1.96	1.00	1.291	0.88	15.77	99.35	8.15	23.92	0.27
33.25	9.15	1.96	1.00	1.292	0.88	15.77	99.23	8.15	23.93	0.27
33.30	9.16	1.96	1.00	1.293	0.88	15.78	99.11	8.16	23.94	0.27
33.35	9.17	1.96	1.00	1.295	0.88	15.79	98.99	8.16	23.95	0.27
33.40	9.18	1.96	1.00	1.296	0.88	15.80	98.88	8.16	23.96	0.27
33.45	9.19	1.96	1.00	1.298	0.88	15.81	98.76	8.16	23.97	0.27
33.50	9.20	1.96	1.00	1.299	0.88	15.82	98.64	8.16	23.98	0.27
33.55	9.21	1.96	1.00	1.300	0.88	15.83	98.52	8.17	23.99	0.27
33.60	9.22	1.96	1.00	1.302	0.88	15.84	98.40	8.17	24.00	0.27
33.65	9.23	1.96	1.00	1.303	0.88	15.84	98.29	8.17	24.01	0.27
33.70	9.24	1.96	1.00	1.305	0.88	15.85	98.17	8.17	24.02	0.27
33.75	9.25	1.96	1.00	1.306	0.88	15.86	98.05	8.17	24.03	0.27
33.80	9.26	1.96	1.00	1.307	0.87	15.87	97.93	8.17	24.04	0.27
33.85	9.27	1.96	1.00	1.309	0.87	15.88	97.81	8.18	24.05	0.27
33.90	9.28	1.96	1.00	1.310	0.87	15.89	97.70	8.18	24.06	0.27
33.95	9.29	1.96	1.00	1.312	0.87	15.90	97.58	8.18	24.07	0.27
34.00	9.30	1.96	1.00	1.313	0.87	15.90	97.46	8.18	24.08	0.27
34.05	9.31	1.96	1.00	1.314	0.87	15.91	97.34	8.18	24.10	0.27
34.10	9.32	1.96	1.00	1.316	0.87	15.92	97.22	8.18	24.11	0.27
34.15	9.33	1.96	1.00	1.317	0.87	15.93	97.11	8.19	24.12	0.27
34.20	9.34	1.96	1.00	1.319	0.87	15.94	96.99	8.19	24.13	0.27
34.25	9.35	1.96	1.00	1.320	0.87	15.95	96.87	8.19	24.14	0.27
34.30	9.36	1.96	1.00	1.322	0.87	15.96	96.75	8.19	24.15	0.27
34.35	9.37	1.96	1.00	1.323	0.87	15.96	96.63	8.19	24.16	0.27
34.40	9.38	1.96	1.00	1.324	0.87	15.97	96.52	8.19	24.17	0.27
34.45	9.39	1.96	1.00	1.326	0.87	15.98	96.40	8.20	24.18	0.27
34.50	9.40	1.96	1.00	1.327	0.87	15.99	96.28	8.20	24.19	0.27
34.55	9.41	1.96	1.00	1.329	0.87	16.00	96.16	8.20	24.20	0.27
34.60	9.42	1.96	1.00	1.330	0.87	16.01	96.04	8.20	24.21	0.27
34.65	9.43	1.96	1.00	1.331	0.87	16.01	95.93	8.20	24.22	0.27
34.70	9.44	1.96	1.00	1.333	0.87	16.02	95.81	8.20	24.23	0.27
34.75	9.45	1.96	1.00	1.334	0.87	16.03	95.69	8.21	24.24	0.27
34.80	9.46	1.96	1.00	1.336	0.87	16.04	95.57	8.21	24.25	0.27
34.85	9.47	1.96	1.00	1.337	0.86	16.05	95.45	8.21	24.26	0.27
34.90	9.48	1.96	1.00	1.339	0.86	16.06	95.34	8.21	24.27	0.27
34.95	9.49	1.96	1.00	1.340	0.86	16.07	95.22	8.21	24.28	0.27
35.00	9.50	1.96	1.00	1.341	0.86	16.07	95.10	8.21	24.29	0.27
35.05	9.51	1.96	1.00	1.343	0.86	16.08	94.98	8.22	24.30	0.27
35.10	9.52	1.96	1.00	1.344	0.86	16.09	94.86	8.22	24.31	0.27
35.15	9.53	1.96	1.00	1.346	0.86	16.10	94.75	8.22	24.32	0.27
35.20	9.54	1.96	1.00	1.347	0.86	16.11	94.63	8.22	24.33	0.27
35.25	9.55	1.96	1.00	1.348	0.86	16.12	94.51	8.22	24.34	0.27
35.30	9.56	1.96	1.00	1.350	0.86	16.12	94.39	8.22	24.35	0.27
35.35	9.57	1.96	1.00	1.351	0.86	16.13	94.27	8.23	24.36	0.27
35.40	9.58	1.96	1.00	1.353	0.86	16.14	94.16	8.23	24.37	0.27
35.45	9.59	1.96	1.00	1.354	0.86	16.15	94.04	8.23	24.38	0.27
35.50	9.60	1.96	1.00	1.356	0.86	16.16	93.92	8.23	24.39	0.27
35.55	9.61	1.96	1.00	1.357	0.86	16.17	93.80	8.23	24.40	0.27
35.60	9.62	1.96	1.00	1.358	0.86	16.17	93.68	8.23	24.41	0.27
35.65	9.63	1.96	1.00	1.360	0.86	16.18	93.57	8.24	24.42	0.27
35.70	9.64	1.96	1.00	1.361	0.86	16.19	93.45	8.24	24.43	0.27
35.75	9.65	1.96	1.00	1.363	0.86	16.20	93.33	8.24	24.44	0.27
35.80	9.66	1.96	1.00	1.364	0.86	16.21	93.21	8.24	24.45	0.27
35.85	9.67	1.96	1.00	1.366	0.86	16.22	93.09	8.24	24.46	0.27
35.90	9.68	1.96	1.00	1.367	0.86	16.22	92.98	8.24	24.47	0.27
35.95	9.69	1.96	1.00	1.369	0.85	16.23	92.86	8.25	24.48	0.27
36.00	9.70	1.96	1.00	1.370	0.85	16.24	92.74	8.25	24.49	0.27
36.05	9.71	1.96	1.00	1.371	0.85	16.25	92.62	8.25	24.50	0.27
36.10	9.72	1.96	1.00	1.373	0.85	16.26	92.50	8.25	24.51	0.27

36.15	9.73	1.96	1.00	1.374	0.85	16.26	92.39	8.25	24.52	0.28
36.20	9.74	1.96	1.00	1.376	0.85	16.27	92.27	8.25	24.53	0.28
36.25	9.75	1.96	1.00	1.377	0.85	16.28	92.15	8.26	24.54	0.28
36.30	9.76	1.96	1.00	1.379	0.85	16.29	92.03	8.26	24.55	0.28
36.35	9.77	1.96	1.00	1.380	0.85	16.30	91.91	8.26	24.56	0.28
36.40	9.78	1.96	1.00	1.382	0.85	16.31	91.80	8.26	24.57	0.28
36.45	9.79	1.96	1.00	1.383	0.85	16.31	91.68	8.26	24.58	0.28
36.50	9.80	1.96	1.00	1.384	0.85	16.32	91.56	8.26	24.59	0.28
36.55	9.81	1.96	1.00	1.386	0.85	16.33	91.44	8.27	24.60	0.28
36.60	9.82	1.96	1.00	1.387	0.85	16.34	91.32	8.27	24.61	0.28
36.65	9.83	1.96	1.00	1.389	0.85	16.35	91.21	8.27	24.61	0.28
36.70	9.84	1.96	1.00	1.390	0.85	16.35	91.09	8.27	24.62	0.28
36.75	9.85	1.96	1.00	1.392	0.85	16.36	90.97	8.27	24.63	0.28
36.80	9.86	1.96	1.00	1.393	0.85	16.37	90.85	8.27	24.64	0.28
36.85	9.87	1.96	1.00	1.395	0.85	16.38	90.73	8.28	24.65	0.28
36.90	9.88	1.96	1.00	1.396	0.85	16.39	90.62	8.28	24.66	0.28
36.95	9.89	1.96	1.00	1.397	0.85	16.39	90.50	8.28	24.67	0.28
37.00	9.90	1.96	1.00	1.399	0.85	16.40	90.38	8.28	24.68	0.28
37.05	9.91	1.96	1.00	1.400	0.85	16.41	90.26	8.28	24.69	0.28
37.10	9.92	1.96	1.00	1.402	0.84	16.42	90.14	8.28	24.70	0.28
37.15	9.93	1.96	1.00	1.403	0.84	16.43	90.03	8.29	24.71	0.28
37.20	9.94	1.96	1.00	1.405	0.84	16.43	89.91	8.29	24.72	0.28
37.25	9.95	1.96	1.00	1.406	0.84	16.44	89.79	8.29	24.73	0.28
37.30	9.96	1.96	1.00	1.408	0.84	16.45	89.67	8.29	24.74	0.28
37.35	9.97	1.96	1.00	1.409	0.84	16.46	89.55	8.29	24.75	0.28
37.40	9.98	1.96	1.00	1.411	0.84	16.47	89.44	8.29	24.76	0.28
37.45	9.99	1.96	1.00	1.412	0.84	16.47	89.32	8.29	24.77	0.28
37.50	10.00	1.96	1.00	1.413	0.84	16.48	89.20	8.30	24.78	0.28
37.55	10.00	1.96	1.00	1.415	0.84	16.47	89.20	8.29	24.77	0.28
37.60	10.00	1.96	1.00	1.416	0.84	16.47	89.20	8.29	24.76	0.28
37.65	10.00	1.96	1.00	1.418	0.84	16.46	89.20	8.29	24.75	0.28
37.70	10.00	1.96	1.00	1.419	0.84	16.45	89.20	8.29	24.74	0.28
37.75	10.00	1.96	1.00	1.421	0.84	16.44	89.20	8.29	24.73	0.28
37.80	10.00	1.96	1.00	1.422	0.84	16.43	89.20	8.29	24.72	0.28
37.85	10.00	1.96	1.00	1.424	0.84	16.42	89.20	8.28	24.71	0.28
37.90	10.00	1.96	1.00	1.425	0.84	16.41	89.20	8.28	24.70	0.28
37.95	10.00	1.96	1.00	1.427	0.84	16.41	89.20	8.28	24.69	0.28
38.00	10.00	1.96	1.00	1.428	0.84	16.40	89.20	8.28	24.68	0.28
38.05	10.00	1.96	1.00	1.430	0.84	16.39	89.20	8.28	24.67	0.28
38.10	10.00	1.96	1.00	1.431	0.84	16.38	89.20	8.28	24.66	0.28
38.15	10.00	1.96	1.00	1.433	0.84	16.37	89.20	8.27	24.65	0.28
38.20	10.00	1.96	1.00	1.434	0.84	16.36	89.20	8.27	24.64	0.28
38.25	10.00	1.96	1.00	1.436	0.83	16.36	89.20	8.27	24.63	0.28
38.30	10.00	1.96	1.00	1.437	0.83	16.35	89.20	8.27	24.62	0.28
38.35	10.00	1.96	1.00	1.438	0.83	16.34	89.20	8.27	24.61	0.28
38.40	10.00	1.96	1.00	1.440	0.83	16.33	89.20	8.27	24.60	0.28
38.45	10.00	1.96	1.00	1.441	0.83	16.32	89.20	8.26	24.59	0.28
38.50	10.00	1.96	1.00	1.443	0.83	16.31	89.20	8.26	24.58	0.28
38.55	10.00	1.96	1.00	1.444	0.83	16.31	89.20	8.26	24.57	0.28
38.60	10.00	1.96	1.00	1.446	0.83	16.30	89.20	8.26	24.56	0.28
38.65	10.00	1.96	1.00	1.447	0.83	16.29	89.20	8.26	24.55	0.28
38.70	10.00	1.96	1.00	1.449	0.83	16.28	89.20	8.26	24.54	0.28
38.75	10.00	1.96	1.00	1.450	0.83	16.27	89.20	8.25	24.53	0.28
38.80	10.00	1.96	1.00	1.452	0.83	16.26	89.20	8.25	24.52	0.27
38.85	10.00	1.96	1.00	1.453	0.83	16.26	89.20	8.25	24.51	0.27
38.90	10.00	1.96	1.00	1.455	0.83	16.25	89.20	8.25	24.50	0.27
38.95	10.00	1.96	1.00	1.456	0.83	16.24	89.20	8.25	24.49	0.27
39.00	10.00	1.96	1.00	1.458	0.83	16.23	89.20	8.25	24.48	0.27
39.05	10.00	1.96	1.00	1.459	0.83	16.22	89.20	8.24	24.47	0.27
39.10	10.00	1.96	1.00	1.461	0.83	16.21	89.20	8.24	24.46	0.27
39.15	10.00	1.96	1.00	1.462	0.83	16.21	89.20	8.24	24.45	0.27
39.20	10.00	1.96	1.00	1.464	0.83	16.20	89.20	8.24	24.44	0.27
39.25	10.00	1.96	1.00	1.465	0.83	16.19	89.20	8.24	24.43	0.27
39.30	10.00	1.96	1.00	1.467	0.83	16.18	89.20	8.24	24.42	0.27
39.35	10.00	1.96	1.00	1.468	0.83	16.17	89.20	8.23	24.41	0.27
39.40	10.00	1.96	1.00	1.470	0.82	16.16	89.20	8.23	24.40	0.27
39.45	10.00	1.96	1.00	1.471	0.82	16.16	89.20	8.23	24.39	0.27
39.50	10.00	1.96	1.00	1.473	0.82	16.15	89.20	8.23	24.38	0.27
39.55	10.00	1.96	1.00	1.474	0.82	16.14	89.20	8.23	24.37	0.27
39.60	10.00	1.96	1.00	1.476	0.82	16.13	89.20	8.23	24.36	0.27
39.65	10.00	1.96	1.00	1.477	0.82	16.12	89.20	8.22	24.35	0.27
39.70	10.00	1.96	1.00	1.479	0.82	16.12	89.20	8.22	24.34	0.27
39.75	10.00	1.96	1.00	1.480	0.82	16.11	89.20	8.22	24.33	0.27

39.80	10.00	1.96	1.00	1.482	0.82	16.10	89.20	8.22	24.32	0.27
39.85	10.00	1.96	1.00	1.483	0.82	16.09	89.20	8.22	24.31	0.27
39.90	10.00	1.96	1.00	1.485	0.82	16.08	89.20	8.22	24.30	0.27
39.95	10.00	1.96	1.00	1.486	0.82	16.07	89.20	8.21	24.29	0.27
40.00	10.00	1.96	1.00	1.488	0.82	16.07	89.20	8.21	24.28	0.27
40.05	10.00	1.96	1.00	1.489	0.82	16.06	89.20	8.21	24.27	0.27
40.10	10.00	1.96	1.00	1.491	0.82	16.05	89.20	8.21	24.26	0.27
40.15	10.00	1.96	1.00	1.492	0.82	16.04	89.20	8.21	24.25	0.27
40.20	10.00	1.96	1.00	1.494	0.82	16.03	89.20	8.21	24.24	0.27
40.25	10.00	1.96	1.00	1.495	0.82	16.03	89.20	8.21	24.23	0.27
40.30	10.00	1.96	1.00	1.497	0.82	16.02	89.20	8.20	24.22	0.27
40.35	10.00	1.96	1.00	1.498	0.82	16.01	89.20	8.20	24.21	0.27
40.40	10.00	1.96	1.00	1.500	0.82	16.00	89.20	8.20	24.20	0.27
40.45	10.00	1.96	1.00	1.501	0.82	15.99	89.20	8.20	24.19	0.27
40.50	10.00	1.96	1.00	1.503	0.82	15.99	89.20	8.20	24.18	0.27
40.55	10.00	1.96	1.00	1.504	0.82	15.98	89.20	8.20	24.17	0.27
40.60	10.00	1.96	1.00	1.506	0.81	15.97	89.20	8.19	24.16	0.27
40.65	10.00	1.96	1.00	1.507	0.81	15.96	89.20	8.19	24.15	0.27
40.70	10.00	1.96	1.00	1.509	0.81	15.95	89.20	8.19	24.14	0.27
40.75	10.00	1.96	1.00	1.510	0.81	15.95	89.20	8.19	24.13	0.27
40.80	10.00	1.96	1.00	1.512	0.81	15.94	89.20	8.19	24.12	0.27
40.85	10.00	1.96	1.00	1.513	0.81	15.93	89.20	8.19	24.11	0.27
40.90	10.00	1.96	1.00	1.515	0.81	15.92	89.20	8.18	24.11	0.27
40.95	10.00	1.96	1.00	1.516	0.81	15.91	89.20	8.18	24.10	0.27
41.00	10.00	1.96	1.00	1.518	0.81	15.91	89.20	8.18	24.09	0.27
41.05	10.00	1.96	1.00	1.520	0.81	15.90	89.20	8.18	24.08	0.27
41.10	10.00	1.96	1.00	1.521	0.81	15.89	89.20	8.18	24.07	0.27
41.15	10.00	1.96	1.00	1.523	0.81	15.88	89.20	8.18	24.06	0.27
41.20	10.00	1.96	1.00	1.524	0.81	15.87	89.20	8.17	24.05	0.27
41.25	10.00	1.96	1.00	1.526	0.81	15.87	89.20	8.17	24.04	0.27
41.30	10.00	1.96	1.00	1.527	0.81	15.86	89.20	8.17	24.03	0.27
41.35	10.00	1.96	1.00	1.529	0.81	15.85	89.20	8.17	24.02	0.27
41.40	10.00	1.96	1.00	1.530	0.81	15.84	89.20	8.17	24.01	0.27
41.45	10.00	1.96	1.00	1.532	0.81	15.83	89.20	8.17	24.00	0.27
41.50	10.00	1.96	1.00	1.533	0.81	15.83	89.20	8.17	23.99	0.27
41.55	10.00	1.96	1.00	1.535	0.81	15.82	89.20	8.16	23.98	0.27
41.60	10.00	1.96	1.00	1.536	0.81	15.81	89.20	8.16	23.97	0.27
41.65	10.00	1.96	1.00	1.538	0.81	15.80	89.20	8.16	23.96	0.27
41.70	10.00	1.96	1.00	1.539	0.81	15.79	89.20	8.16	23.95	0.27
41.75	10.00	1.96	1.00	1.541	0.81	15.79	89.20	8.16	23.94	0.27
41.80	10.00	1.96	1.00	1.542	0.81	15.78	89.20	8.16	23.93	0.27
41.85	10.00	1.96	1.00	1.544	0.80	15.77	89.20	8.15	23.92	0.27
41.90	10.00	1.96	1.00	1.546	0.80	15.76	89.20	8.15	23.92	0.27
41.95	10.00	1.96	1.00	1.547	0.80	15.75	89.20	8.15	23.91	0.27
42.00	10.00	1.96	1.00	1.549	0.80	15.75	89.20	8.15	23.90	0.27
42.05	10.00	1.96	1.00	1.550	0.80	15.74	89.20	8.15	23.89	0.27
42.10	10.00	1.96	1.00	1.552	0.80	15.73	89.20	8.15	23.88	0.27
42.15	10.00	1.96	1.00	1.553	0.80	15.72	89.20	8.14	23.87	0.27
42.20	10.00	1.96	1.00	1.555	0.80	15.72	89.20	8.14	23.86	0.27
42.25	10.00	1.96	1.00	1.556	0.80	15.71	89.20	8.14	23.85	0.27
42.30	10.00	1.96	1.00	1.558	0.80	15.70	89.20	8.14	23.84	0.26
42.35	10.00	1.96	1.00	1.559	0.80	15.69	89.20	8.14	23.83	0.26
42.40	10.00	1.96	1.00	1.561	0.80	15.68	89.20	8.14	23.82	0.26
42.45	10.00	1.96	1.00	1.563	0.80	15.68	89.20	8.14	23.81	0.26
42.50	10.00	1.96	1.00	1.564	0.80	15.67	89.20	8.13	23.80	0.26
42.55	10.89	1.96	1.00	1.566	0.80	17.06	89.20	8.41	25.47	0.29
42.60	11.79	1.96	1.00	1.567	0.80	18.46	89.20	8.69	27.15	0.32
42.65	12.69	1.96	1.00	1.569	0.80	19.86	89.20	8.97	28.83	0.37
42.70	13.59	1.96	1.00	1.570	0.80	21.26	89.20	9.25	30.51	0.50
42.75	14.49	1.96	1.00	1.572	0.80	22.65	89.20	9.53	32.18	0.50
42.80	15.39	1.96	1.00	1.573	0.80	24.05	89.20	9.81	33.86	0.50
42.85	16.29	1.96	1.00	1.575	0.80	25.44	89.20	10.09	35.53	0.50
42.90	17.19	1.96	1.00	1.577	0.80	26.83	89.20	10.37	37.20	0.50
42.95	18.09	1.96	1.00	1.578	0.80	28.22	89.20	10.64	38.87	0.50
43.00	18.99	1.96	1.00	1.580	0.80	29.61	89.20	10.92	40.54	0.50
43.05	19.89	1.96	1.00	1.581	0.80	31.00	89.20	11.20	42.20	0.50
43.10	20.79	1.96	1.00	1.583	0.79	32.39	89.20	11.48	43.86	0.50
43.15	21.69	1.96	1.00	1.584	0.79	33.77	89.20	11.75	45.53	0.50
43.20	22.59	1.96	1.00	1.586	0.79	35.16	89.20	12.03	47.19	0.50
43.25	23.49	1.96	1.00	1.588	0.79	36.54	89.20	12.31	48.85	0.50
43.30	24.39	1.96	1.00	1.589	0.79	37.92	89.20	12.58	50.50	0.50
43.35	25.29	1.96	1.00	1.591	0.79	39.30	89.20	12.86	52.16	0.50
43.40	26.19	1.96	1.00	1.592	0.79	40.68	89.20	13.14	53.81	0.50

43.45	27.09	1.96	1.00	1.594	0.79	42.05	89.20	13.41	55.46	0.50
43.50	27.99	1.96	1.00	1.595	0.79	43.43	89.20	13.69	57.12	0.50
43.55	28.89	1.96	1.00	1.597	0.79	44.80	89.20	13.96	58.76	0.50
43.60	29.79	1.96	1.00	1.599	0.79	46.18	89.20	14.24	60.41	0.50
43.65	30.69	1.96	1.00	1.600	0.79	47.55	89.20	14.51	62.06	0.50
43.70	31.59	1.96	1.00	1.602	0.79	48.92	89.20	14.78	63.70	0.50
43.75	32.49	1.96	1.00	1.603	0.79	50.29	89.20	15.06	65.34	0.50
43.80	33.39	1.96	1.00	1.605	0.79	51.65	89.20	15.33	66.98	0.50
43.85	34.29	1.96	1.00	1.607	0.79	53.02	89.20	15.60	68.62	0.50
43.90	35.19	1.96	1.00	1.608	0.79	54.38	89.20	15.88	70.26	0.50
43.95	36.09	1.96	1.00	1.610	0.79	55.75	89.20	16.15	71.89	0.50
44.00	36.99	1.96	1.00	1.611	0.79	57.11	89.20	16.42	73.53	0.50
44.05	37.89	1.96	1.00	1.613	0.79	58.47	89.20	16.69	75.16	0.50
44.10	38.79	1.96	1.00	1.615	0.79	59.83	89.20	16.97	76.79	0.50
44.15	39.69	1.96	1.00	1.616	0.79	61.18	89.20	17.24	78.42	0.50
44.20	40.59	1.96	1.00	1.618	0.79	62.54	89.20	17.51	80.05	0.50
44.25	41.49	1.96	1.00	1.619	0.79	63.90	89.20	17.78	81.67	0.50
44.30	42.39	1.96	1.00	1.621	0.79	65.25	89.20	18.05	83.30	0.50
44.35	43.29	1.96	1.00	1.623	0.79	66.60	89.20	18.32	84.92	0.50
44.40	44.19	1.96	1.00	1.624	0.78	67.95	89.20	18.59	86.54	0.50
44.45	45.09	1.96	1.00	1.626	0.78	69.30	89.20	18.86	88.16	0.50
44.50	45.99	1.96	1.00	1.627	0.78	70.65	89.20	19.13	89.78	0.50
44.55	46.89	1.96	1.00	1.629	0.78	72.00	89.20	19.40	91.39	0.50
44.60	47.79	1.96	1.00	1.631	0.78	73.34	89.20	19.67	93.01	0.50
44.65	48.69	1.96	1.00	1.632	0.78	74.68	89.20	19.94	94.62	0.50
44.70	49.59	1.96	1.00	1.634	0.78	76.03	89.20	20.21	96.23	0.50
44.75	50.49	1.96	1.00	1.636	0.78	77.37	89.20	20.47	97.84	0.50
44.80	51.39	1.96	1.00	1.637	0.78	78.71	89.20	20.74	99.45	0.50
44.85	52.29	1.96	1.00	1.639	0.78	80.05	89.20	21.01	101.06	0.50
44.90	53.19	1.96	1.00	1.640	0.78	81.38	89.20	21.28	102.66	0.50
44.95	54.09	1.96	1.00	1.642	0.78	82.72	89.20	21.54	104.26	0.50
45.00	54.99	1.96	1.00	1.644	0.78	84.05	89.20	21.81	105.86	0.50
45.05	55.89	1.96	1.00	1.645	0.78	85.39	89.20	22.08	107.46	0.50
45.10	56.79	1.96	1.00	1.647	0.78	86.72	89.20	22.34	109.06	0.50
45.15	57.69	1.96	1.00	1.649	0.78	88.05	89.20	22.61	110.66	0.50
45.20	58.59	1.96	1.00	1.650	0.78	89.38	89.20	22.88	112.25	0.50
45.25	59.49	1.96	1.00	1.652	0.78	90.71	89.20	23.14	113.85	0.50
45.30	60.39	1.96	1.00	1.654	0.78	92.03	89.20	23.41	115.44	0.50
45.35	61.29	1.96	1.00	1.655	0.78	93.36	89.20	23.67	117.03	0.50
45.40	62.19	1.96	1.00	1.657	0.78	94.68	89.20	23.94	118.62	0.50
45.45	63.09	1.96	1.00	1.659	0.78	96.00	89.20	24.20	120.20	0.50
45.50	63.99	1.96	1.00	1.660	0.78	97.32	89.20	24.46	121.79	0.50
45.55	64.89	1.96	1.00	1.662	0.78	98.64	89.20	24.73	123.37	0.50
45.60	65.79	1.96	1.00	1.664	0.78	99.96	89.20	24.99	124.95	0.50
45.65	66.69	1.96	1.00	1.665	0.77	101.28	89.20	25.26	126.53	0.50
45.70	67.59	1.96	1.00	1.667	0.77	102.59	89.20	25.52	128.11	0.50
45.75	68.49	1.96	1.00	1.669	0.77	103.91	89.20	25.78	129.69	0.50
45.80	69.39	1.96	1.00	1.670	0.77	105.22	89.20	26.04	131.26	0.50
45.85	70.29	1.96	1.00	1.672	0.77	106.53	89.20	26.31	132.84	0.50
45.90	71.19	1.96	1.00	1.674	0.77	107.84	89.20	26.57	134.41	0.50
45.95	72.09	1.96	1.00	1.675	0.77	109.15	89.20	26.83	135.98	0.50
46.00	72.99	1.96	1.00	1.677	0.77	110.46	89.20	27.09	137.55	0.50
46.05	73.89	1.96	1.00	1.679	0.77	111.76	89.20	27.35	139.12	0.50
46.10	74.79	1.96	1.00	1.680	0.77	113.07	89.20	27.61	140.68	0.50
46.15	75.69	1.96	1.00	1.682	0.77	114.37	89.20	27.87	142.25	0.50
46.20	76.59	1.96	1.00	1.684	0.77	115.67	89.20	28.13	143.81	0.50
46.25	77.49	1.96	1.00	1.685	0.77	116.98	89.20	28.40	145.37	0.50
46.30	78.39	1.96	1.00	1.687	0.77	118.28	89.20	28.66	146.93	0.50
46.35	79.29	1.96	1.00	1.689	0.77	119.57	89.20	28.91	148.49	0.50
46.40	80.19	1.96	1.00	1.690	0.77	120.87	89.20	29.17	150.04	0.50
46.45	81.09	1.96	1.00	1.692	0.77	122.17	89.20	29.43	151.60	0.50
46.50	81.99	1.96	1.00	1.694	0.77	123.46	89.20	29.69	153.15	0.50
46.55	82.89	1.96	1.00	1.695	0.77	124.75	89.20	29.95	154.70	0.50
46.60	83.79	1.96	1.00	1.697	0.77	126.04	89.20	30.21	156.25	0.50
46.65	84.69	1.96	1.00	1.699	0.77	127.33	89.20	30.47	157.80	0.50
46.70	85.59	1.96	1.00	1.700	0.77	128.62	89.20	30.72	159.35	0.50
46.75	86.49	1.96	1.00	1.702	0.77	129.91	89.20	30.98	160.89	0.50
46.80	87.39	1.96	1.00	1.704	0.77	131.20	89.20	31.24	162.44	0.50
46.85	88.29	1.96	1.00	1.706	0.77	132.48	89.20	31.50	163.98	0.50
46.90	89.19	1.96	1.00	1.707	0.77	133.77	89.20	31.75	165.52	0.50
46.95	90.09	1.96	1.00	1.709	0.76	135.05	89.20	32.01	167.06	0.50
47.00	90.99	1.96	1.00	1.711	0.76	136.33	89.20	32.27	168.60	0.50
47.05	91.89	1.96	1.00	1.712	0.76	137.61	89.20	32.52	170.13	0.50

47.10	92.79	1.96	1.00	1.714	0.76	138.89	89.20	32.78	171.66	0.50
47.15	93.69	1.96	1.00	1.716	0.76	140.16	89.20	33.03	173.20	0.50
47.20	94.59	1.96	1.00	1.718	0.76	141.44	89.20	33.29	174.73	0.50
47.25	95.49	1.96	1.00	1.719	0.76	142.71	89.20	33.54	176.26	0.50
47.30	96.39	1.96	1.00	1.721	0.76	143.99	89.20	33.80	177.79	0.50
47.35	97.29	1.96	1.00	1.723	0.76	145.26	89.20	34.05	179.31	0.50
47.40	98.19	1.96	1.00	1.724	0.76	146.53	89.20	34.31	180.84	0.50
47.45	99.09	1.96	1.00	1.726	0.76	147.80	89.20	34.56	182.36	0.50
47.50	99.99	1.96	1.00	1.728	0.76	149.07	89.20	34.81	183.88	0.50
47.55	100.00	1.96	1.00	1.730	0.76	149.00	89.20	34.80	183.81	0.50
47.60	100.00	1.96	1.00	1.731	0.76	148.93	89.20	34.79	183.72	0.50
47.65	100.00	1.96	1.00	1.733	0.76	148.86	89.20	34.77	183.63	0.50
47.70	100.00	1.96	1.00	1.735	0.76	148.78	89.20	34.76	183.54	0.50
47.75	100.00	1.96	1.00	1.736	0.76	148.71	89.20	34.74	183.45	0.50
47.80	100.00	1.96	1.00	1.738	0.76	148.64	89.20	34.73	183.36	0.50
47.85	100.00	1.96	1.00	1.740	0.76	148.56	89.20	34.71	183.28	0.50
47.90	100.00	1.96	1.00	1.742	0.76	148.49	89.20	34.70	183.19	0.50
47.95	100.00	1.96	1.00	1.743	0.76	148.42	89.20	34.68	183.10	0.50
48.00	100.00	1.96	1.00	1.745	0.76	148.35	89.20	34.67	183.02	0.50
48.05	100.00	1.96	1.00	1.747	0.76	148.27	89.20	34.65	182.93	0.50
48.10	100.00	1.96	1.00	1.748	0.76	148.20	89.20	34.64	182.84	0.50
48.15	100.00	1.96	1.00	1.750	0.76	148.13	89.20	34.63	182.76	0.50
48.20	100.00	1.96	1.00	1.752	0.76	148.06	89.20	34.61	182.67	0.50
48.25	100.00	1.96	1.00	1.753	0.76	147.99	89.20	34.60	182.59	0.50
48.30	100.00	1.96	1.00	1.755	0.75	147.92	89.20	34.58	182.50	0.50
48.35	100.00	1.96	1.00	1.757	0.75	147.85	89.20	34.57	182.42	0.50
48.40	100.00	1.96	1.00	1.758	0.75	147.78	89.20	34.56	182.33	0.50
48.45	100.00	1.96	1.00	1.760	0.75	147.71	89.20	34.54	182.25	0.50
48.50	100.00	1.96	1.00	1.762	0.75	147.64	89.20	34.53	182.17	0.50
48.55	100.00	1.96	1.00	1.763	0.75	147.57	89.20	34.51	182.08	0.50
48.60	100.00	1.96	1.00	1.765	0.75	147.50	89.20	34.50	182.00	0.50
48.65	100.00	1.96	1.00	1.767	0.75	147.43	89.20	34.49	181.92	0.50
48.70	100.00	1.96	1.00	1.768	0.75	147.36	89.20	34.47	181.84	0.50
48.75	100.00	1.96	1.00	1.770	0.75	147.29	89.20	34.46	181.75	0.50
48.80	100.00	1.96	1.00	1.772	0.75	147.23	89.20	34.45	181.67	0.50
48.85	100.00	1.96	1.00	1.773	0.75	147.16	89.20	34.43	181.59	0.50
48.90	100.00	1.96	1.00	1.775	0.75	147.09	89.20	34.42	181.51	0.50
48.95	100.00	1.96	1.00	1.776	0.75	147.02	89.20	34.40	181.43	0.50
49.00	100.00	1.96	1.00	1.778	0.75	146.96	89.20	34.39	181.35	0.50
49.05	100.00	1.96	1.00	1.780	0.75	146.89	89.20	34.38	181.27	0.50
49.10	100.00	1.96	1.00	1.781	0.75	146.82	89.20	34.36	181.19	0.50
49.15	100.00	1.96	1.00	1.783	0.75	146.76	89.20	34.35	181.11	0.50
49.20	100.00	1.96	1.00	1.785	0.75	146.69	89.20	34.34	181.03	0.50
49.25	100.00	1.96	1.00	1.786	0.75	146.62	89.20	34.32	180.95	0.50
49.30	100.00	1.96	1.00	1.788	0.75	146.56	89.20	34.31	180.87	0.50
49.35	100.00	1.96	1.00	1.789	0.75	146.49	89.20	34.30	180.79	0.50
49.40	100.00	1.96	1.00	1.791	0.75	146.43	89.20	34.29	180.71	0.50
49.45	100.00	1.96	1.00	1.793	0.75	146.36	89.20	34.27	180.64	0.50
49.50	100.00	1.96	1.00	1.794	0.75	146.30	89.20	34.26	180.56	0.50
49.55	100.00	1.96	1.00	1.796	0.75	146.23	89.20	34.25	180.48	0.50
49.60	100.00	1.96	1.00	1.797	0.75	146.17	89.20	34.23	180.40	0.50
49.65	100.00	1.96	1.00	1.799	0.75	146.11	89.20	34.22	180.33	0.50
49.70	100.00	1.96	1.00	1.800	0.75	146.04	89.20	34.21	180.25	0.50
49.75	100.00	1.96	1.00	1.802	0.74	145.98	89.20	34.20	180.17	0.50
49.80	100.00	1.96	1.00	1.804	0.74	145.91	89.20	34.18	180.10	0.50
49.85	100.00	1.96	1.00	1.805	0.74	145.85	89.20	34.17	180.02	0.50
49.90	100.00	1.96	1.00	1.807	0.74	145.79	89.20	34.16	179.95	0.50
49.95	100.00	1.96	1.00	1.808	0.74	145.73	89.20	34.15	179.87	0.50
50.00	100.00	1.96	1.00	1.810	0.74	145.66	89.20	34.13	179.80	0.50
50.05	100.00	1.96	1.00	1.811	0.74	145.60	89.20	34.12	179.72	0.50
50.10	100.00	1.96	1.00	1.813	0.74	145.54	89.20	34.11	179.65	0.50
50.15	100.00	1.96	1.00	1.814	0.74	145.48	89.20	34.10	179.57	0.50
50.20	100.00	1.96	1.00	1.816	0.74	145.42	89.20	34.08	179.50	0.50
50.25	100.00	1.96	1.00	1.818	0.74	145.35	89.20	34.07	179.42	0.50
50.30	100.00	1.96	1.00	1.819	0.74	145.29	89.20	34.06	179.35	0.50
50.35	100.00	1.96	1.00	1.821	0.74	145.23	89.20	34.05	179.28	0.50
50.40	100.00	1.96	1.00	1.822	0.74	145.17	89.20	34.03	179.20	0.50
50.45	100.00	1.96	1.00	1.824	0.74	145.11	89.20	34.02	179.13	0.50
50.50	100.00	1.96	1.00	1.825	0.74	145.05	89.20	34.01	179.06	0.50
50.55	100.00	1.96	1.00	1.827	0.74	144.99	89.20	34.00	178.99	0.50
50.60	100.00	1.96	1.00	1.828	0.74	144.93	89.20	33.99	178.92	0.50
50.65	100.00	1.96	1.00	1.830	0.74	144.87	89.20	33.97	178.84	0.50
50.70	100.00	1.96	1.00	1.831	0.74	144.81	89.20	33.96	178.77	0.50

50.75	100.00	1.96	1.00	1.833	0.74	144.75	89.20	33.95	178.70	0.50
50.80	100.00	1.96	1.00	1.834	0.74	144.69	89.20	33.94	178.63	0.50
50.85	100.00	1.96	1.00	1.836	0.74	144.63	89.20	33.93	178.56	0.50
50.90	100.00	1.96	1.00	1.837	0.74	144.58	89.20	33.92	178.49	0.50
50.95	100.00	1.96	1.00	1.839	0.74	144.52	89.20	33.90	178.42	0.50
51.00	100.00	1.96	1.00	1.840	0.74	144.46	89.20	33.89	178.35	0.50
51.05	100.00	1.96	1.00	1.842	0.74	144.40	89.20	33.88	178.28	0.50
51.10	100.00	1.96	1.00	1.843	0.74	144.34	89.20	33.87	178.21	0.50
51.15	100.00	1.96	1.00	1.845	0.74	144.29	89.20	33.86	178.14	0.50
51.20	100.00	1.96	1.00	1.846	0.74	144.23	89.20	33.85	178.07	0.50
51.25	100.00	1.96	1.00	1.847	0.74	144.17	89.20	33.83	178.01	0.50
51.30	100.00	1.96	1.00	1.849	0.74	144.11	89.20	33.82	177.94	0.50
51.35	100.00	1.96	1.00	1.850	0.74	144.06	89.20	33.81	177.87	0.50
51.40	100.00	1.96	1.00	1.852	0.73	144.00	89.20	33.80	177.80	0.50
51.45	100.00	1.96	1.00	1.853	0.73	143.94	89.20	33.79	177.73	0.50
51.50	100.00	1.96	1.00	1.855	0.73	143.89	89.20	33.78	177.67	0.50
51.55	100.00	1.96	1.00	1.856	0.73	143.83	89.20	33.77	177.60	0.50
51.60	100.00	1.96	1.00	1.858	0.73	143.78	89.20	33.76	177.53	0.50
51.65	100.00	1.96	1.00	1.859	0.73	143.72	89.20	33.74	177.47	0.50
51.70	100.00	1.96	1.00	1.860	0.73	143.67	89.20	33.73	177.40	0.50
51.75	100.00	1.96	1.00	1.862	0.73	143.61	89.20	33.72	177.33	0.50
51.80	100.00	1.96	1.00	1.863	0.73	143.56	89.20	33.71	177.27	0.50
51.85	100.00	1.96	1.00	1.865	0.73	143.50	89.20	33.70	177.20	0.50
51.90	100.00	1.96	1.00	1.866	0.73	143.45	89.20	33.69	177.14	0.50
51.95	100.00	1.96	1.00	1.868	0.73	143.39	89.20	33.68	177.07	0.50
52.00	100.00	1.96	1.00	1.869	0.73	143.34	89.20	33.67	177.01	0.50
52.05	100.00	1.96	1.00	1.870	0.73	143.28	89.20	33.66	176.94	0.50
52.10	100.00	1.96	1.00	1.872	0.73	143.23	89.20	33.65	176.88	0.50
52.15	100.00	1.96	1.00	1.873	0.73	143.18	89.20	33.64	176.81	0.50
52.20	100.00	1.96	1.00	1.875	0.73	143.12	89.20	33.62	176.75	0.50
52.25	100.00	1.96	1.00	1.876	0.73	143.07	89.20	33.61	176.69	0.50
52.30	100.00	1.96	1.00	1.877	0.73	143.02	89.20	33.60	176.62	0.50
52.35	100.00	1.96	1.00	1.879	0.73	142.97	89.20	33.59	176.56	0.50
52.40	100.00	1.96	1.00	1.880	0.73	142.91	89.20	33.58	176.50	0.50
52.45	100.00	1.96	1.00	1.882	0.73	142.86	89.20	33.57	176.43	0.50
52.50	100.00	1.96	1.00	1.883	0.73	142.81	89.20	33.56	176.37	0.50
52.55	99.34	1.96	1.00	1.884	0.73	141.81	89.20	33.36	175.17	0.50
52.60	98.67	1.96	1.00	1.886	0.73	140.80	89.20	33.16	173.96	0.50
52.65	98.00	1.96	1.00	1.887	0.73	139.80	89.20	32.96	172.75	0.50
52.70	97.33	1.96	1.00	1.888	0.73	138.79	89.20	32.76	171.55	0.50
52.75	96.66	1.96	1.00	1.890	0.73	137.78	89.20	32.56	170.34	0.50
52.80	95.99	1.96	1.00	1.891	0.73	136.78	89.20	32.36	169.14	0.50
52.85	95.32	1.96	1.00	1.892	0.73	135.78	89.20	32.16	167.93	0.50
52.90	94.65	1.96	1.00	1.894	0.73	134.77	89.20	31.95	166.73	0.50
52.95	93.98	1.96	1.00	1.895	0.73	133.77	89.20	31.75	165.53	0.50
53.00	93.31	1.96	1.00	1.897	0.73	132.77	89.20	31.55	164.32	0.50
53.05	92.64	1.96	1.00	1.898	0.73	131.77	89.20	31.35	163.12	0.50
53.10	91.97	1.96	1.00	1.899	0.73	130.77	89.20	31.15	161.92	0.50
53.15	91.30	1.96	1.00	1.901	0.73	129.77	89.20	30.95	160.72	0.50
53.20	90.63	1.96	1.00	1.902	0.73	128.77	89.20	30.75	159.53	0.50
53.25	89.96	1.96	1.00	1.903	0.72	127.77	89.20	30.55	158.33	0.50
53.30	89.29	1.96	1.00	1.905	0.72	126.78	89.20	30.36	157.13	0.50
53.35	88.62	1.96	1.00	1.906	0.72	125.78	89.20	30.16	155.94	0.50
53.40	87.95	1.96	1.00	1.907	0.72	124.79	89.20	29.96	154.74	0.50
53.45	87.28	1.96	1.00	1.909	0.72	123.79	89.20	29.76	153.55	0.50
53.50	86.61	1.96	1.00	1.910	0.72	122.80	89.20	29.56	152.36	0.50
53.55	85.94	1.96	1.00	1.911	0.72	121.80	89.20	29.36	151.17	0.50
53.60	85.27	1.96	1.00	1.913	0.72	120.81	89.20	29.16	149.98	0.50
53.65	84.60	1.96	1.00	1.914	0.72	119.82	89.20	28.96	148.79	0.50
53.70	83.93	1.96	1.00	1.916	0.72	118.83	89.20	28.77	147.60	0.50
53.75	83.26	1.96	1.00	1.917	0.72	117.84	89.20	28.57	146.41	0.50
53.80	82.59	1.96	1.00	1.918	0.72	116.85	89.20	28.37	145.22	0.50
53.85	81.92	1.96	1.00	1.920	0.72	115.86	89.20	28.17	144.03	0.50
53.90	81.25	1.96	1.00	1.921	0.72	114.87	89.20	27.97	142.85	0.50
53.95	80.58	1.96	1.00	1.922	0.72	113.89	89.20	27.78	141.66	0.50
54.00	79.91	1.96	1.00	1.924	0.72	112.90	89.20	27.58	140.48	0.50
54.05	79.24	1.96	1.00	1.925	0.72	111.92	89.20	27.38	139.30	0.50
54.10	78.57	1.96	1.00	1.926	0.72	110.93	89.20	27.19	138.12	0.50
54.15	77.90	1.96	1.00	1.928	0.72	109.95	89.20	26.99	136.94	0.50
54.20	77.23	1.96	1.00	1.929	0.72	108.96	89.20	26.79	135.76	0.50
54.25	76.56	1.96	1.00	1.930	0.72	107.98	89.20	26.60	134.58	0.50
54.30	75.89	1.96	1.00	1.932	0.72	107.00	89.20	26.40	133.40	0.50
54.35	75.22	1.96	1.00	1.933	0.72	106.02	89.20	26.20	132.22	0.50

54.40	74.55	1.96	1.00	1.934	0.72	105.04	89.20	26.01	131.04	0.50
54.45	73.88	1.96	1.00	1.936	0.72	104.06	89.20	25.81	129.87	0.50
54.50	73.21	1.96	1.00	1.937	0.72	103.08	89.20	25.62	128.69	0.50
54.55	72.54	1.96	1.00	1.938	0.72	102.10	89.20	25.42	127.52	0.50
54.60	71.87	1.96	1.00	1.940	0.72	101.12	89.20	25.22	126.35	0.50
54.65	71.20	1.96	1.00	1.941	0.72	100.14	89.20	25.03	125.17	0.50
54.70	70.53	1.96	1.00	1.942	0.72	99.17	89.20	24.83	124.00	0.50
54.75	69.86	1.96	1.00	1.944	0.72	98.19	89.20	24.64	122.83	0.50
54.80	69.19	1.96	1.00	1.945	0.72	97.22	89.20	24.44	121.66	0.50
54.85	68.52	1.96	1.00	1.946	0.72	96.24	89.20	24.25	120.49	0.50
54.90	67.85	1.96	1.00	1.948	0.72	95.27	89.20	24.05	119.32	0.50
54.95	67.18	1.96	1.00	1.949	0.72	94.30	89.20	23.86	118.16	0.50
55.00	66.51	1.96	1.00	1.950	0.72	93.32	89.20	23.66	116.99	0.50
55.05	65.84	1.96	1.00	1.952	0.72	92.35	89.20	23.47	115.82	0.50
55.10	65.17	1.96	1.00	1.953	0.72	91.38	89.20	23.28	114.66	0.50
55.15	64.50	1.96	1.00	1.954	0.72	90.41	89.20	23.08	113.49	0.50
55.20	63.83	1.96	1.00	1.956	0.72	89.44	89.20	22.89	112.33	0.50
55.25	63.16	1.96	1.00	1.957	0.71	88.47	89.20	22.69	111.17	0.50
55.30	62.49	1.96	1.00	1.958	0.71	87.51	89.20	22.50	110.01	0.50
55.35	61.82	1.96	1.00	1.959	0.71	86.54	89.20	22.31	108.85	0.50
55.40	61.15	1.96	1.00	1.961	0.71	85.57	89.20	22.11	107.69	0.50
55.45	60.48	1.96	1.00	1.962	0.71	84.61	89.20	21.92	106.53	0.50
55.50	59.81	1.96	1.00	1.963	0.71	83.64	89.20	21.73	105.37	0.50
55.55	59.14	1.96	1.00	1.965	0.71	82.68	89.20	21.54	104.21	0.50
55.60	58.47	1.96	1.00	1.966	0.71	81.71	89.20	21.34	103.05	0.50
55.65	57.80	1.96	1.00	1.967	0.71	80.75	89.20	21.15	101.90	0.50
55.70	57.13	1.96	1.00	1.969	0.71	79.79	89.20	20.96	100.74	0.50
55.75	56.46	1.96	1.00	1.970	0.71	78.82	89.20	20.76	99.59	0.50
55.80	55.79	1.96	1.00	1.971	0.71	77.86	89.20	20.57	98.44	0.50
55.85	55.12	1.96	1.00	1.973	0.71	76.90	89.20	20.38	97.28	0.50
55.90	54.45	1.96	1.00	1.974	0.71	75.94	89.20	20.19	96.13	0.50
55.95	53.78	1.96	1.00	1.975	0.71	74.98	89.20	20.00	94.98	0.50
56.00	53.11	1.96	1.00	1.976	0.71	74.03	89.20	19.81	93.83	0.50
56.05	52.44	1.96	1.00	1.978	0.71	73.07	89.20	19.61	92.68	0.50
56.10	51.77	1.96	1.00	1.979	0.71	72.11	89.20	19.42	91.53	0.50
56.15	51.10	1.96	1.00	1.980	0.71	71.15	89.20	19.23	90.38	0.50
56.20	50.43	1.96	1.00	1.982	0.71	70.20	89.20	19.04	89.24	0.50
56.25	49.76	1.96	1.00	1.983	0.71	69.24	89.20	18.85	88.09	0.50
56.30	49.09	1.96	1.00	1.984	0.71	68.29	89.20	18.66	86.94	0.50
56.35	48.42	1.96	1.00	1.986	0.71	67.33	89.20	18.47	85.80	0.50
56.40	47.75	1.96	1.00	1.987	0.71	66.38	89.20	18.28	84.66	0.50
56.45	47.08	1.96	1.00	1.988	0.71	65.43	89.20	18.09	83.51	0.50
56.50	46.41	1.96	1.00	1.989	0.71	64.47	89.20	17.89	82.37	0.50
56.55	45.74	1.96	1.00	1.991	0.71	63.52	89.20	17.70	81.23	0.50
56.60	45.07	1.96	1.00	1.992	0.71	62.57	89.20	17.51	80.09	0.50
56.65	44.40	1.96	1.00	1.993	0.71	61.62	89.20	17.32	78.95	0.50
56.70	43.73	1.96	1.00	1.995	0.71	60.67	89.20	17.13	77.81	0.50
56.75	43.06	1.96	1.00	1.996	0.71	59.72	89.20	16.94	76.67	0.50
56.80	42.39	1.96	1.00	1.997	0.71	58.78	89.20	16.76	75.53	0.50
56.85	41.72	1.96	1.00	1.998	0.71	57.83	89.20	16.57	74.39	0.50
56.90	41.05	1.96	1.00	2.000	0.71	56.88	89.20	16.38	73.26	0.50
56.95	40.38	1.96	1.00	2.001	0.71	55.93	89.20	16.19	72.12	0.50
57.00	39.71	1.96	1.00	2.002	0.71	54.99	89.20	16.00	70.99	0.50
57.05	39.04	1.96	1.00	2.004	0.71	54.04	89.20	15.81	69.85	0.50
57.10	38.37	1.96	1.00	2.005	0.71	53.10	89.20	15.62	68.72	0.50
57.15	37.70	1.96	1.00	2.006	0.71	52.16	89.20	15.43	67.59	0.50
57.20	37.03	1.96	1.00	2.007	0.71	51.21	89.20	15.24	66.45	0.50
57.25	36.36	1.96	1.00	2.009	0.71	50.27	89.20	15.05	65.32	0.50
57.30	35.69	1.96	1.00	2.010	0.71	49.33	89.20	14.87	64.19	0.50
57.35	35.02	1.96	1.00	2.011	0.71	48.39	89.20	14.68	63.06	0.50
57.40	34.35	1.96	1.00	2.013	0.70	47.45	89.20	14.49	61.93	0.50
57.45	33.68	1.96	1.00	2.014	0.70	46.50	89.20	14.30	60.81	0.50
57.50	33.01	1.96	1.00	2.015	0.70	45.57	89.20	14.11	59.68	0.50
57.55	33.00	1.96	1.00	2.016	0.70	45.54	89.20	14.11	59.65	0.50
57.60	33.00	1.96	1.00	2.018	0.70	45.53	89.20	14.11	59.63	0.50
57.65	33.00	1.96	1.00	2.019	0.70	45.51	89.20	14.10	59.61	0.50
57.70	33.00	1.96	1.00	2.020	0.70	45.50	89.20	14.10	59.60	0.50
57.75	33.00	1.96	1.00	2.021	0.70	45.48	89.20	14.10	59.58	0.50
57.80	33.00	1.96	1.00	2.023	0.70	45.47	89.20	14.09	59.56	0.50
57.85	33.00	1.96	1.00	2.024	0.70	45.45	89.20	14.09	59.55	0.50
57.90	33.00	1.96	1.00	2.025	0.70	45.44	89.20	14.09	59.53	0.50
57.95	33.00	1.96	1.00	2.027	0.70	45.43	89.20	14.09	59.51	0.50
58.00	33.00	1.96	1.00	2.028	0.70	45.41	89.20	14.08	59.49	0.50

58.05	33.00	1.96	1.00	2.029	0.70	45.40	89.20	14.08	59.48	0.50
58.10	33.00	1.96	1.00	2.030	0.70	45.38	89.20	14.08	59.46	0.50
58.15	33.00	1.96	1.00	2.032	0.70	45.37	89.20	14.07	59.44	0.50
58.20	33.00	1.96	1.00	2.033	0.70	45.36	89.20	14.07	59.43	0.50
58.25	33.00	1.96	1.00	2.034	0.70	45.34	89.20	14.07	59.41	0.50
58.30	33.00	1.96	1.00	2.035	0.70	45.33	89.20	14.07	59.39	0.50
58.35	33.00	1.96	1.00	2.037	0.70	45.31	89.20	14.06	59.38	0.50
58.40	33.00	1.96	1.00	2.038	0.70	45.30	89.20	14.06	59.36	0.50
58.45	33.00	1.96	1.00	2.039	0.70	45.29	89.20	14.06	59.34	0.50
58.50	33.00	1.96	1.00	2.040	0.70	45.27	89.20	14.05	59.33	0.50
58.55	33.00	1.96	1.00	2.041	0.70	45.26	89.20	14.05	59.31	0.50
58.60	33.00	1.96	1.00	2.043	0.70	45.25	89.20	14.05	59.29	0.50
58.65	33.00	1.96	1.00	2.044	0.70	45.23	89.20	14.05	59.28	0.50
58.70	33.00	1.96	1.00	2.045	0.70	45.22	89.20	14.04	59.26	0.50
58.75	33.00	1.96	1.00	2.046	0.70	45.20	89.20	14.04	59.25	0.50
58.80	33.00	1.96	1.00	2.048	0.70	45.19	89.20	14.04	59.23	0.50
58.85	33.00	1.96	1.00	2.049	0.70	45.18	89.20	14.04	59.21	0.50
58.90	33.00	1.96	1.00	2.050	0.70	45.16	89.20	14.03	59.20	0.50
58.95	33.00	1.96	1.00	2.051	0.70	45.15	89.20	14.03	59.18	0.50
59.00	33.00	1.96	1.00	2.053	0.70	45.14	89.20	14.03	59.16	0.50
59.05	33.00	1.96	1.00	2.054	0.70	45.12	89.20	14.02	59.15	0.50
59.10	33.00	1.96	1.00	2.055	0.70	45.11	89.20	14.02	59.13	0.50
59.15	33.00	1.96	1.00	2.056	0.70	45.10	89.20	14.02	59.12	0.50
59.20	33.00	1.96	1.00	2.057	0.70	45.08	89.20	14.02	59.10	0.50
59.25	33.00	1.96	1.00	2.059	0.70	45.07	89.20	14.01	59.09	0.50
59.30	33.00	1.96	1.00	2.060	0.70	45.06	89.20	14.01	59.07	0.50
59.35	33.00	1.96	1.00	2.061	0.70	45.04	89.20	14.01	59.05	0.50
59.40	33.00	1.96	1.00	2.062	0.70	45.03	89.20	14.01	59.04	0.50
59.45	33.00	1.96	1.00	2.063	0.70	45.02	89.20	14.00	59.02	0.50
59.50	33.00	1.96	1.00	2.065	0.70	45.01	89.20	14.00	59.01	0.50
59.55	33.00	1.96	1.00	2.066	0.70	44.99	89.20	14.00	58.99	0.50
59.60	33.00	1.96	1.00	2.067	0.70	44.98	89.20	14.00	58.97	0.50
59.65	33.00	1.96	1.00	2.068	0.70	44.97	89.20	13.99	58.96	0.50
59.70	33.00	1.96	1.00	2.069	0.70	44.95	89.20	13.99	58.94	0.50
59.75	33.00	1.96	1.00	2.071	0.69	44.94	89.20	13.99	58.93	0.50
59.80	33.00	1.96	1.00	2.072	0.69	44.93	89.20	13.99	58.91	0.50
59.85	33.00	1.96	1.00	2.073	0.69	44.91	89.20	13.98	58.90	0.50
59.90	33.00	1.96	1.00	2.074	0.69	44.90	89.20	13.98	58.88	0.50
59.95	33.00	1.96	1.00	2.075	0.69	44.89	89.20	13.98	58.87	0.50
60.00	33.00	1.96	1.00	2.077	0.69	44.88	89.20	13.98	58.85	0.50
60.05	33.00	1.96	1.00	2.078	0.69	44.86	89.20	13.97	58.84	0.50
60.10	33.00	1.96	1.00	2.079	0.69	44.85	89.20	13.97	58.82	0.50
60.15	33.00	1.96	1.00	2.080	0.69	44.84	89.20	13.97	58.81	0.50
60.20	33.00	1.96	1.00	2.081	0.69	44.83	89.20	13.97	58.79	0.50
60.25	33.00	1.96	1.00	2.082	0.69	44.81	89.20	13.96	58.78	0.50
60.30	33.00	1.96	1.00	2.084	0.69	44.80	89.20	13.96	58.76	0.50
60.35	33.00	1.96	1.00	2.085	0.69	44.79	89.20	13.96	58.75	0.50
60.40	33.00	1.96	1.00	2.086	0.69	44.78	89.20	13.96	58.73	0.50
60.45	33.00	1.96	1.00	2.087	0.69	44.76	89.20	13.95	58.72	0.50
60.50	33.00	1.96	1.00	2.088	0.69	44.75	89.20	13.95	58.70	0.50
60.55	33.00	1.96	1.00	2.089	0.69	44.74	89.20	13.95	58.69	0.50
60.60	33.00	1.96	1.00	2.091	0.69	44.73	89.20	13.95	58.67	0.50
60.65	33.00	1.96	1.00	2.092	0.69	44.71	89.20	13.94	58.66	0.50
60.70	33.00	1.96	1.00	2.093	0.69	44.70	89.20	13.94	58.64	0.50
60.75	33.00	1.96	1.00	2.094	0.69	44.69	89.20	13.94	58.63	0.50
60.80	33.00	1.96	1.00	2.095	0.69	44.68	89.20	13.94	58.61	0.50
60.85	33.00	1.96	1.00	2.096	0.69	44.66	89.20	13.93	58.60	0.50
60.90	33.00	1.96	1.00	2.097	0.69	44.65	89.20	13.93	58.58	0.50
60.95	33.00	1.96	1.00	2.099	0.69	44.64	89.20	13.93	58.57	0.50
61.00	33.00	1.96	1.00	2.100	0.69	44.63	89.20	13.93	58.55	0.50
61.05	33.00	1.96	1.00	2.101	0.69	44.62	89.20	13.92	58.54	0.50
61.10	33.00	1.96	1.00	2.102	0.69	44.60	89.20	13.92	58.52	0.50
61.15	33.00	1.96	1.00	2.103	0.69	44.59	89.20	13.92	58.51	0.50
61.20	33.00	1.96	1.00	2.104	0.69	44.58	89.20	13.92	58.49	0.50
61.25	33.00	1.96	1.00	2.105	0.69	44.57	89.20	13.91	58.48	0.50
61.30	33.00	1.96	1.00	2.107	0.69	44.55	89.20	13.91	58.47	0.50
61.35	33.00	1.96	1.00	2.108	0.69	44.54	89.20	13.91	58.45	0.50
61.40	33.00	1.96	1.00	2.109	0.69	44.53	89.20	13.91	58.44	0.50
61.45	33.00	1.96	1.00	2.110	0.69	44.52	89.20	13.90	58.42	0.50
61.50	33.00	1.96	1.00	2.111	0.69	44.51	89.20	13.90	58.41	0.50
61.55	33.00	1.96	1.00	2.112	0.69	44.50	89.20	13.90	58.39	0.50
61.60	33.00	1.96	1.00	2.113	0.69	44.48	89.20	13.90	58.38	0.50
61.65	33.00	1.96	1.00	2.114	0.69	44.47	89.20	13.89	58.37	0.50

61.70	33.00	1.96	1.00	2.116	0.69	44.46	89.20	13.89	58.35	0.50
61.75	33.00	1.96	1.00	2.117	0.69	44.45	89.20	13.89	58.34	0.50
61.80	33.00	1.96	1.00	2.118	0.69	44.44	89.20	13.89	58.32	0.50
61.85	33.00	1.96	1.00	2.119	0.69	44.43	89.20	13.89	58.31	0.50
61.90	33.00	1.96	1.00	2.120	0.69	44.41	89.20	13.88	58.30	0.50
61.95	33.00	1.96	1.00	2.121	0.69	44.40	89.20	13.88	58.28	0.50
62.00	33.00	1.96	1.00	2.122	0.69	44.39	89.20	13.88	58.27	0.50
62.05	33.00	1.96	1.00	2.123	0.69	44.38	89.20	13.88	58.25	0.50
62.10	33.00	1.96	1.00	2.124	0.69	44.37	89.20	13.87	58.24	0.50
62.15	33.00	1.96	1.00	2.125	0.69	44.36	89.20	13.87	58.23	0.50
62.20	33.00	1.96	1.00	2.127	0.69	44.34	89.20	13.87	58.21	0.50
62.25	33.00	1.96	1.00	2.128	0.69	44.33	89.20	13.87	58.20	0.50
62.30	33.00	1.96	1.00	2.129	0.69	44.32	89.20	13.86	58.19	0.50
62.35	33.00	1.96	1.00	2.130	0.69	44.31	89.20	13.86	58.17	0.50
62.40	33.00	1.96	1.00	2.131	0.69	44.30	89.20	13.86	58.16	0.50
62.45	33.00	1.96	1.00	2.132	0.68	44.29	89.20	13.86	58.15	0.50
62.50	33.00	1.96	1.00	2.133	0.68	44.28	89.20	13.86	58.13	0.50
62.55	33.01	1.96	1.00	2.134	0.68	44.27	89.20	13.85	58.13	0.50
62.60	33.01	1.96	1.00	2.135	0.68	44.27	89.20	13.85	58.13	0.50
62.65	33.02	1.96	1.00	2.136	0.68	44.27	89.20	13.85	58.12	0.50
62.70	33.03	1.96	1.00	2.137	0.68	44.27	89.20	13.85	58.12	0.50
62.75	33.03	1.96	1.00	2.139	0.68	44.26	89.20	13.85	58.12	0.50
62.80	33.04	1.96	1.00	2.140	0.68	44.26	89.20	13.85	58.11	0.50
62.85	33.05	1.96	1.00	2.141	0.68	44.26	89.20	13.85	58.11	0.50
62.90	33.05	1.96	1.00	2.142	0.68	44.26	89.20	13.85	58.11	0.50
62.95	33.06	1.96	1.00	2.143	0.68	44.26	89.20	13.85	58.11	0.50
63.00	33.07	1.96	1.00	2.144	0.68	44.25	89.20	13.85	58.10	0.50
63.05	33.07	1.96	1.00	2.145	0.68	44.25	89.20	13.85	58.10	0.50
63.10	33.08	1.96	1.00	2.146	0.68	44.25	89.20	13.85	58.10	0.50
63.15	33.09	1.96	1.00	2.147	0.68	44.25	89.20	13.85	58.10	0.50
63.20	33.09	1.96	1.00	2.148	0.68	44.24	89.20	13.85	58.09	0.50
63.25	33.10	1.96	1.00	2.149	0.68	44.24	89.20	13.85	58.09	0.50
63.30	33.11	1.96	1.00	2.150	0.68	44.24	89.20	13.85	58.09	0.50
63.35	33.11	1.96	1.00	2.152	0.68	44.24	89.20	13.85	58.09	0.50
63.40	33.12	1.96	1.00	2.153	0.68	44.24	89.20	13.85	58.08	0.50
63.45	33.13	1.96	1.00	2.154	0.68	44.23	89.20	13.85	58.08	0.50
63.50	33.13	1.96	1.00	2.155	0.68	44.23	89.20	13.85	58.08	0.50
63.55	33.14	1.96	1.00	2.156	0.68	44.23	89.20	13.85	58.07	0.50
63.60	33.15	1.96	1.00	2.157	0.68	44.23	89.20	13.85	58.07	0.50
63.65	33.15	1.96	1.00	2.158	0.68	44.22	89.20	13.84	58.07	0.50
63.70	33.16	1.96	1.00	2.159	0.68	44.22	89.20	13.84	58.07	0.50
63.75	33.17	1.96	1.00	2.160	0.68	44.22	89.20	13.84	58.06	0.50
63.80	33.17	1.96	1.00	2.161	0.68	44.22	89.20	13.84	58.06	0.50
63.85	33.18	1.96	1.00	2.162	0.68	44.22	89.20	13.84	58.06	0.50
63.90	33.19	1.96	1.00	2.164	0.68	44.21	89.20	13.84	58.06	0.50
63.95	33.19	1.96	1.00	2.165	0.68	44.21	89.20	13.84	58.05	0.50
64.00	33.20	1.96	1.00	2.166	0.68	44.21	89.20	13.84	58.05	0.50
64.05	33.21	1.96	1.00	2.167	0.68	44.21	89.20	13.84	58.05	0.50
64.10	33.21	1.96	1.00	2.168	0.68	44.20	89.20	13.84	58.05	0.50
64.15	33.22	1.96	1.00	2.169	0.68	44.20	89.20	13.84	58.04	0.50
64.20	33.23	1.96	1.00	2.170	0.68	44.20	89.20	13.84	58.04	0.50
64.25	33.23	1.96	1.00	2.171	0.68	44.20	89.20	13.84	58.04	0.50
64.30	33.24	1.96	1.00	2.172	0.68	44.20	89.20	13.84	58.03	0.50
64.35	33.25	1.96	1.00	2.173	0.68	44.19	89.20	13.84	58.03	0.50
64.40	33.25	1.96	1.00	2.174	0.68	44.19	89.20	13.84	58.03	0.50
64.45	33.26	1.96	1.00	2.175	0.68	44.19	89.20	13.84	58.03	0.50
64.50	33.27	1.96	1.00	2.177	0.68	44.19	89.20	13.84	58.02	0.50
64.55	33.27	1.96	1.00	2.178	0.68	44.18	89.20	13.84	58.02	0.50
64.60	33.28	1.96	1.00	2.179	0.68	44.18	89.20	13.84	58.02	0.50
64.65	33.29	1.96	1.00	2.180	0.68	44.18	89.20	13.84	58.02	0.50
64.70	33.29	1.96	1.00	2.181	0.68	44.18	89.20	13.84	58.01	0.50
64.75	33.30	1.96	1.00	2.182	0.68	44.18	89.20	13.84	58.01	0.50
64.80	33.31	1.96	1.00	2.183	0.68	44.17	89.20	13.83	58.01	0.50
64.85	33.31	1.96	1.00	2.184	0.68	44.17	89.20	13.83	58.01	0.50
64.90	33.32	1.96	1.00	2.185	0.68	44.17	89.20	13.83	58.00	0.50
64.95	33.33	1.96	1.00	2.186	0.68	44.17	89.20	13.83	58.00	0.50
65.00	33.33	1.96	1.00	2.187	0.68	44.17	89.20	13.83	58.00	0.50
65.05	33.34	1.96	1.00	2.188	0.68	44.16	89.20	13.83	58.00	0.50
65.10	33.35	1.96	1.00	2.190	0.68	44.16	89.20	13.83	57.99	0.50
65.15	33.35	1.96	1.00	2.191	0.68	44.16	89.20	13.83	57.99	0.50
65.20	33.36	1.96	1.00	2.192	0.68	44.16	89.20	13.83	57.99	0.50
65.25	33.37	1.96	1.00	2.193	0.68	44.15	89.20	13.83	57.99	0.50
65.30	33.37	1.96	1.00	2.194	0.68	44.15	89.20	13.83	57.98	0.50

65.35	33.38	1.96	1.00	2.195	0.67	44.15	89.20	13.83	57.98	0.50
65.40	33.39	1.96	1.00	2.196	0.67	44.15	89.20	13.83	57.98	0.50
65.45	33.39	1.96	1.00	2.197	0.67	44.15	89.20	13.83	57.98	0.50
65.50	33.40	1.96	1.00	2.198	0.67	44.14	89.20	13.83	57.97	0.50
65.55	33.41	1.96	1.00	2.199	0.67	44.14	89.20	13.83	57.97	0.50
65.60	33.41	1.96	1.00	2.200	0.67	44.14	89.20	13.83	57.97	0.50
65.65	33.42	1.96	1.00	2.202	0.67	44.14	89.20	13.83	57.97	0.50
65.70	33.43	1.96	1.00	2.203	0.67	44.14	89.20	13.83	57.96	0.50
65.75	33.43	1.96	1.00	2.204	0.67	44.13	89.20	13.83	57.96	0.50
65.80	33.44	1.96	1.00	2.205	0.67	44.13	89.20	13.83	57.96	0.50
65.85	33.45	1.96	1.00	2.206	0.67	44.13	89.20	13.83	57.96	0.50
65.90	33.45	1.96	1.00	2.207	0.67	44.13	89.20	13.83	57.95	0.50
65.95	33.46	1.96	1.00	2.208	0.67	44.13	89.20	13.83	57.95	0.50
66.00	33.47	1.96	1.00	2.209	0.67	44.12	89.20	13.82	57.95	0.50
66.05	33.47	1.96	1.00	2.210	0.67	44.12	89.20	13.82	57.95	0.50
66.10	33.48	1.96	1.00	2.211	0.67	44.12	89.20	13.82	57.94	0.50
66.15	33.49	1.96	1.00	2.212	0.67	44.12	89.20	13.82	57.94	0.50
66.20	33.49	1.96	1.00	2.213	0.67	44.12	89.20	13.82	57.94	0.50
66.25	33.50	1.96	1.00	2.215	0.67	44.11	89.20	13.82	57.94	0.50
66.30	33.51	1.96	1.00	2.216	0.67	44.11	89.20	13.82	57.93	0.50
66.35	33.51	1.96	1.00	2.217	0.67	44.11	89.20	13.82	57.93	0.50
66.40	33.52	1.96	1.00	2.218	0.67	44.11	89.20	13.82	57.93	0.50
66.45	33.53	1.96	1.00	2.219	0.67	44.10	89.20	13.82	57.93	0.50
66.50	33.53	1.96	1.00	2.220	0.67	44.10	89.20	13.82	57.92	0.50
66.55	33.54	1.96	1.00	2.221	0.67	44.10	89.20	13.82	57.92	0.50
66.60	33.55	1.96	1.00	2.222	0.67	44.10	89.20	13.82	57.92	0.50
66.65	33.55	1.96	1.00	2.223	0.67	44.10	89.20	13.82	57.92	0.50
66.70	33.56	1.96	1.00	2.224	0.67	44.09	89.20	13.82	57.91	0.50
66.75	33.57	1.96	1.00	2.225	0.67	44.09	89.20	13.82	57.91	0.50
66.80	33.57	1.96	1.00	2.227	0.67	44.09	89.20	13.82	57.91	0.50
66.85	33.58	1.96	1.00	2.228	0.67	44.09	89.20	13.82	57.91	0.50
66.90	33.59	1.96	1.00	2.229	0.67	44.09	89.20	13.82	57.90	0.50
66.95	33.59	1.96	1.00	2.230	0.67	44.08	89.20	13.82	57.90	0.50
67.00	33.60	1.96	1.00	2.231	0.67	44.08	89.20	13.82	57.90	0.50
67.05	33.61	1.96	1.00	2.232	0.67	44.08	89.20	13.82	57.90	0.50
67.10	33.61	1.96	1.00	2.233	0.67	44.08	89.20	13.82	57.89	0.50
67.15	33.62	1.96	1.00	2.234	0.67	44.08	89.20	13.82	57.89	0.50
67.20	33.63	1.96	1.00	2.235	0.67	44.07	89.20	13.81	57.89	0.50
67.25	33.63	1.96	1.00	2.236	0.67	44.07	89.20	13.81	57.89	0.50
67.30	33.64	1.96	1.00	2.237	0.67	44.07	89.20	13.81	57.89	0.50
67.35	33.65	1.96	1.00	2.238	0.67	44.07	89.20	13.81	57.88	0.50
67.40	33.65	1.96	1.00	2.240	0.67	44.07	89.20	13.81	57.88	0.50
67.45	33.66	1.96	1.00	2.241	0.67	44.06	89.20	13.81	57.88	0.50
67.50	33.67	1.96	1.00	2.242	0.67	44.06	89.20	13.81	57.88	0.50
67.55	33.67	1.96	1.00	2.243	0.67	44.06	89.20	13.81	57.87	0.50
67.60	33.68	1.96	1.00	2.244	0.67	44.06	89.20	13.81	57.87	0.50
67.65	33.69	1.96	1.00	2.245	0.67	44.06	89.20	13.81	57.87	0.50
67.70	33.69	1.96	1.00	2.246	0.67	44.06	89.20	13.81	57.87	0.50
67.75	33.70	1.96	1.00	2.247	0.67	44.05	89.20	13.81	57.86	0.50
67.80	33.71	1.96	1.00	2.248	0.67	44.05	89.20	13.81	57.86	0.50
67.85	33.71	1.96	1.00	2.249	0.67	44.05	89.20	13.81	57.86	0.50
67.90	33.72	1.96	1.00	2.250	0.67	44.05	89.20	13.81	57.86	0.50
67.95	33.73	1.96	1.00	2.252	0.67	44.05	89.20	13.81	57.85	0.50
68.00	33.73	1.96	1.00	2.253	0.67	44.04	89.20	13.81	57.85	0.50
68.05	33.74	1.96	1.00	2.254	0.67	44.04	89.20	13.81	57.85	0.50
68.10	33.75	1.96	1.00	2.255	0.67	44.04	89.20	13.81	57.85	0.50
68.15	33.75	1.96	1.00	2.256	0.67	44.04	89.20	13.81	57.85	0.50
68.20	33.76	1.96	1.00	2.257	0.67	44.04	89.20	13.81	57.84	0.50
68.25	33.77	1.96	1.00	2.258	0.67	44.03	89.20	13.81	57.84	0.50
68.30	33.77	1.96	1.00	2.259	0.67	44.03	89.20	13.81	57.84	0.50
68.35	33.78	1.96	1.00	2.260	0.67	44.03	89.20	13.81	57.84	0.50
68.40	33.79	1.96	1.00	2.261	0.66	44.03	89.20	13.81	57.83	0.50
68.45	33.79	1.96	1.00	2.262	0.66	44.03	89.20	13.81	57.83	0.50
68.50	33.80	1.96	1.00	2.264	0.66	44.02	89.20	13.80	57.83	0.50
68.55	33.81	1.96	1.00	2.265	0.66	44.02	89.20	13.80	57.83	0.50
68.60	33.81	1.96	1.00	2.266	0.66	44.02	89.20	13.80	57.82	0.50
68.65	33.82	1.96	1.00	2.267	0.66	44.02	89.20	13.80	57.82	0.50
68.70	33.83	1.96	1.00	2.268	0.66	44.02	89.20	13.80	57.82	0.50
68.75	33.83	1.96	1.00	2.269	0.66	44.01	89.20	13.80	57.82	0.50
68.80	33.84	1.96	1.00	2.270	0.66	44.01	89.20	13.80	57.82	0.50
68.85	33.85	1.96	1.00	2.271	0.66	44.01	89.20	13.80	57.81	0.50
68.90	33.85	1.96	1.00	2.272	0.66	44.01	89.20	13.80	57.81	0.50
68.95	33.86	1.96	1.00	2.273	0.66	44.01	89.20	13.80	57.81	0.50

69.00	33.87	1.96	1.00	2.274	0.66	44.01	89.20	13.80	57.81	0.50
69.05	33.87	1.96	1.00	2.275	0.66	44.00	89.20	13.80	57.80	0.50
69.10	33.88	1.96	1.00	2.277	0.66	44.00	89.20	13.80	57.80	0.50
69.15	33.89	1.96	1.00	2.278	0.66	44.00	89.20	13.80	57.80	0.50
69.20	33.89	1.96	1.00	2.279	0.66	44.00	89.20	13.80	57.80	0.50
69.25	33.90	1.96	1.00	2.280	0.66	44.00	89.20	13.80	57.80	0.50
69.30	33.91	1.96	1.00	2.281	0.66	43.99	89.20	13.80	57.79	0.50
69.35	33.91	1.96	1.00	2.282	0.66	43.99	89.20	13.80	57.79	0.50
69.40	33.92	1.96	1.00	2.283	0.66	43.99	89.20	13.80	57.79	0.50
69.45	33.93	1.96	1.00	2.284	0.66	43.99	89.20	13.80	57.79	0.50
69.50	33.93	1.96	1.00	2.285	0.66	43.99	89.20	13.80	57.78	0.50
69.55	33.94	1.96	1.00	2.286	0.66	43.99	89.20	13.80	57.78	0.50
69.60	33.95	1.96	1.00	2.287	0.66	43.98	89.20	13.80	57.78	0.50
69.65	33.95	1.96	1.00	2.289	0.66	43.98	89.20	13.80	57.78	0.50
69.70	33.96	1.96	1.00	2.290	0.66	43.98	89.20	13.80	57.78	0.50
69.75	33.97	1.96	1.00	2.291	0.66	43.98	89.20	13.80	57.77	0.50
69.80	33.97	1.96	1.00	2.292	0.66	43.98	89.20	13.80	57.77	0.50
69.85	33.98	1.96	1.00	2.293	0.66	43.97	89.20	13.79	57.77	0.50
69.90	33.99	1.96	1.00	2.294	0.66	43.97	89.20	13.79	57.77	0.50
69.95	33.99	1.96	1.00	2.295	0.66	43.97	89.20	13.79	57.76	0.50
70.00	34.00	1.96	1.00	2.296	0.66	43.97	89.20	13.79	57.76	0.50

CRR is based on water table at 17.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.77:

Depth ft	sigC' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	F.S.=CRRm/CSRfs
7.50	0.21	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.55	0.21	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.60	0.21	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.65	0.21	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.70	0.22	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.75	0.22	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.80	0.22	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.85	0.22	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.90	0.22	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
7.95	0.22	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
8.00	0.22	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
8.05	0.23	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
8.10	0.23	0.50	1.00	0.50	1.30	2.00	1.56	5.00 ^
8.15	0.23	0.50	1.00	0.50	1.30	2.00	1.55	5.00 ^
8.20	0.23	0.50	1.00	0.50	1.30	2.00	1.55	5.00 ^
8.25	0.23	0.50	1.00	0.50	1.30	2.00	1.55	5.00 ^
8.30	0.23	0.50	1.00	0.50	1.30	2.00	1.55	5.00 ^
8.35	0.24	0.50	1.00	0.50	1.30	2.00	1.55	5.00 ^
8.40	0.24	0.50	1.00	0.50	1.30	2.00	1.55	5.00 ^
8.45	0.24	0.50	1.00	0.50	1.30	2.00	1.55	5.00 ^
8.50	0.24	0.50	1.00	0.50	1.30	2.00	1.55	5.00 ^
8.55	0.24	0.50	1.00	0.50	1.30	2.00	1.54	5.00 ^
8.60	0.24	0.50	1.00	0.50	1.30	2.00	1.54	5.00 ^
8.65	0.24	0.50	1.00	0.50	1.30	2.00	1.54	5.00 ^
8.70	0.25	0.50	1.00	0.50	1.30	2.00	1.54	5.00 ^
8.75	0.25	0.50	1.00	0.50	1.30	2.00	1.54	5.00 ^
8.80	0.25	0.50	1.00	0.50	1.30	2.00	1.54	5.00 ^
8.85	0.25	0.50	1.00	0.50	1.30	2.00	1.53	5.00 ^
8.90	0.25	0.50	1.00	0.50	1.30	2.00	1.53	5.00 ^
8.95	0.25	0.50	1.00	0.50	1.30	2.00	1.53	5.00 ^
9.00	0.25	0.50	1.00	0.50	1.30	2.00	1.53	5.00 ^
9.05	0.26	0.50	1.00	0.50	1.30	2.00	1.53	5.00 ^
9.10	0.26	0.50	1.00	0.50	1.30	2.00	1.53	5.00 ^
9.15	0.26	0.50	1.00	0.50	1.30	2.00	1.52	5.00 ^
9.20	0.26	0.50	1.00	0.50	1.30	2.00	1.52	5.00 ^
9.25	0.26	0.50	1.00	0.50	1.30	2.00	1.52	5.00 ^
9.30	0.26	0.50	1.00	0.50	1.30	2.00	1.52	5.00 ^
9.35	0.27	0.50	1.00	0.50	1.30	2.00	1.52	5.00 ^
9.40	0.27	0.50	1.00	0.50	1.30	2.00	1.51	5.00 ^
9.45	0.27	0.50	1.00	0.50	1.30	2.00	1.51	5.00 ^
9.50	0.27	0.50	1.00	0.50	1.30	2.00	1.51	5.00 ^
9.55	0.27	0.50	1.00	0.50	1.30	2.00	1.51	5.00 ^
9.60	0.27	0.50	1.00	0.50	1.30	2.00	1.51	5.00 ^
9.65	0.28	0.50	1.00	0.50	1.30	2.00	1.50	5.00 ^
9.70	0.28	0.50	1.00	0.50	1.30	2.00	1.50	5.00 ^

9.75	0.28	0.50	1.00	0.50	1.30	2.00	1.50	5.00 ^
9.80	0.28	0.50	1.00	0.50	1.30	2.00	1.50	5.00 ^
9.85	0.28	0.50	1.00	0.50	1.30	2.00	1.49	5.00 ^
9.90	0.28	0.50	1.00	0.50	1.30	2.00	1.49	5.00 ^
9.95	0.28	0.50	1.00	0.50	1.30	2.00	1.49	5.00 ^
10.00	0.29	0.50	1.00	0.50	1.30	2.00	1.49	5.00 ^
10.05	0.29	0.50	1.00	0.50	1.30	2.00	1.49	5.00 ^
10.10	0.29	0.50	1.00	0.50	1.30	2.00	1.48	5.00 ^
10.15	0.29	0.50	1.00	0.50	1.30	2.00	1.48	5.00 ^
10.20	0.29	0.50	1.00	0.50	1.30	2.00	1.48	5.00 ^
10.25	0.29	0.50	1.00	0.50	1.30	2.00	1.48	5.00 ^
10.30	0.30	0.50	1.00	0.50	1.30	2.00	1.47	5.00 ^
10.35	0.30	0.50	1.00	0.50	1.30	2.00	1.47	5.00 ^
10.40	0.30	0.50	1.00	0.50	1.30	2.00	1.47	5.00 ^
10.45	0.30	0.50	1.00	0.50	1.30	2.00	1.47	5.00 ^
10.50	0.30	0.50	1.00	0.50	1.30	2.00	1.46	5.00 ^
10.55	0.30	0.50	1.00	0.50	1.30	2.00	1.46	5.00 ^
10.60	0.31	0.50	1.00	0.50	1.30	2.00	1.46	5.00 ^
10.65	0.31	0.50	1.00	0.50	1.30	2.00	1.46	5.00 ^
10.70	0.31	0.50	1.00	0.50	1.30	2.00	1.45	5.00 ^
10.75	0.31	0.50	1.00	0.50	1.30	2.00	1.45	5.00 ^
10.80	0.31	0.50	1.00	0.50	1.30	2.00	1.45	5.00 ^
10.85	0.32	0.50	1.00	0.50	1.30	2.00	1.45	5.00 ^
10.90	0.32	0.50	1.00	0.50	1.30	2.00	1.44	5.00 ^
10.95	0.32	0.50	1.00	0.50	1.30	2.00	1.44	5.00 ^
11.00	0.32	0.50	1.00	0.50	1.30	2.00	1.44	5.00 ^
11.05	0.32	0.50	1.00	0.50	1.30	2.00	1.44	5.00 ^
11.10	0.32	0.50	1.00	0.50	1.30	2.00	1.43	5.00 ^
11.15	0.33	0.50	1.00	0.50	1.30	2.00	1.43	5.00 ^
11.20	0.33	0.50	1.00	0.50	1.30	2.00	1.43	5.00 ^
11.25	0.33	0.50	1.00	0.50	1.30	2.00	1.42	5.00 ^
11.30	0.33	0.50	1.00	0.50	1.30	2.00	1.42	5.00 ^
11.35	0.33	0.50	1.00	0.50	1.30	2.00	1.42	5.00 ^
11.40	0.33	0.50	1.00	0.50	1.30	2.00	1.42	5.00 ^
11.45	0.34	0.50	1.00	0.50	1.30	2.00	1.41	5.00 ^
11.50	0.34	0.50	1.00	0.50	1.30	2.00	1.41	5.00 ^
11.55	0.34	0.50	1.00	0.50	1.30	2.00	1.41	5.00 ^
11.60	0.34	0.50	1.00	0.50	1.30	2.00	1.41	5.00 ^
11.65	0.34	0.50	1.00	0.50	1.30	2.00	1.40	5.00 ^
11.70	0.35	0.50	1.00	0.50	1.30	2.00	1.40	5.00 ^
11.75	0.35	0.50	1.00	0.50	1.30	2.00	1.40	5.00 ^
11.80	0.35	0.50	1.00	0.50	1.30	2.00	1.40	5.00 ^
11.85	0.35	0.50	1.00	0.50	1.30	2.00	1.39	5.00 ^
11.90	0.35	0.50	1.00	0.50	1.30	2.00	1.39	5.00 ^
11.95	0.35	0.50	1.00	0.50	1.30	2.00	1.39	5.00 ^
12.00	0.36	0.50	1.00	0.50	1.30	2.00	1.39	5.00 ^
12.05	0.36	0.50	1.00	0.50	1.30	2.00	1.38	5.00 ^
12.10	0.36	0.50	1.00	0.50	1.30	2.00	1.38	5.00 ^
12.15	0.36	0.50	1.00	0.50	1.30	2.00	1.38	5.00 ^
12.20	0.36	0.50	1.00	0.50	1.30	2.00	1.38	5.00 ^
12.25	0.37	0.50	1.00	0.50	1.30	2.00	1.37	5.00 ^
12.30	0.37	0.50	1.00	0.50	1.30	2.00	1.37	5.00 ^
12.35	0.37	0.50	1.00	0.50	1.30	2.00	1.37	5.00 ^
12.40	0.37	0.50	1.00	0.50	1.30	2.00	1.36	5.00 ^
12.45	0.37	0.50	1.00	0.50	1.30	2.00	1.36	5.00 ^
12.50	0.37	0.50	1.00	0.50	1.30	2.00	1.36	5.00 ^
12.55	0.38	0.50	1.00	0.50	1.30	2.00	1.36	5.00 ^
12.60	0.38	0.50	1.00	0.50	1.30	2.00	1.35	5.00 ^
12.65	0.38	0.50	1.00	0.50	1.30	2.00	1.35	5.00 ^
12.70	0.38	0.50	1.00	0.50	1.30	2.00	1.35	5.00 ^
12.75	0.38	0.50	1.00	0.50	1.30	2.00	1.35	5.00 ^
12.80	0.39	0.50	1.00	0.50	1.30	2.00	1.34	5.00 ^
12.85	0.39	0.50	1.00	0.50	1.30	2.00	1.34	5.00 ^
12.90	0.39	0.50	1.00	0.50	1.30	2.00	1.34	5.00 ^
12.95	0.39	0.50	1.00	0.50	1.30	2.00	1.34	5.00 ^
13.00	0.39	0.50	1.00	0.50	1.30	2.00	1.33	5.00 ^
13.05	0.40	0.50	1.00	0.50	1.30	2.00	1.33	5.00 ^
13.10	0.40	0.50	1.00	0.50	1.30	2.00	1.33	5.00 ^
13.15	0.40	0.50	1.00	0.50	1.30	2.00	1.33	5.00 ^
13.20	0.40	0.50	1.00	0.50	1.30	2.00	1.33	5.00 ^
13.25	0.40	0.50	1.00	0.50	1.30	2.00	1.32	5.00 ^
13.30	0.40	0.50	1.00	0.50	1.30	2.00	1.32	5.00 ^
13.35	0.41	0.50	1.00	0.50	1.30	2.00	1.32	5.00 ^

13.40	0.41	0.50	1.00	0.50	1.30	2.00	1.32	5.00 ^
13.45	0.41	0.50	1.00	0.50	1.30	2.00	1.32	5.00 ^
13.50	0.41	0.50	1.00	0.50	1.30	2.00	1.31	5.00 ^
13.55	0.41	0.50	1.00	0.50	1.30	2.00	1.31	5.00 ^
13.60	0.42	0.50	1.00	0.50	1.30	2.00	1.31	5.00 ^
13.65	0.42	0.50	1.00	0.50	1.30	2.00	1.31	5.00 ^
13.70	0.42	0.50	1.00	0.50	1.30	2.00	1.31	5.00 ^
13.75	0.42	0.50	1.00	0.50	1.30	2.00	1.30	5.00 ^
13.80	0.42	0.50	1.00	0.50	1.30	2.00	1.30	5.00 ^
13.85	0.43	0.50	1.00	0.50	1.30	2.00	1.30	5.00 ^
13.90	0.43	0.50	1.00	0.50	1.30	2.00	1.30	5.00 ^
13.95	0.43	0.50	1.00	0.50	1.30	2.00	1.30	5.00 ^
14.00	0.43	0.50	1.00	0.50	1.30	2.00	1.29	5.00 ^
14.05	0.43	0.50	1.00	0.50	1.30	2.00	1.29	5.00 ^
14.10	0.43	0.50	1.00	0.50	1.30	2.00	1.29	5.00 ^
14.15	0.44	0.50	1.00	0.50	1.30	2.00	1.29	5.00 ^
14.20	0.44	0.50	1.00	0.50	1.30	2.00	1.29	5.00 ^
14.25	0.44	0.50	1.00	0.50	1.30	2.00	1.29	5.00 ^
14.30	0.44	0.50	1.00	0.50	1.30	2.00	1.28	5.00 ^
14.35	0.44	0.50	1.00	0.50	1.30	2.00	1.28	5.00 ^
14.40	0.45	0.50	1.00	0.50	1.30	2.00	1.28	5.00 ^
14.45	0.45	0.50	1.00	0.50	1.30	2.00	1.28	5.00 ^
14.50	0.45	0.50	1.00	0.50	1.30	2.00	1.28	5.00 ^
14.55	0.45	0.50	1.00	0.50	1.30	2.00	1.28	5.00 ^
14.60	0.45	0.50	1.00	0.50	1.30	2.00	1.27	5.00 ^
14.65	0.46	0.50	1.00	0.50	1.30	2.00	1.27	5.00 ^
14.70	0.46	0.50	1.00	0.50	1.30	2.00	1.27	5.00 ^
14.75	0.46	0.50	1.00	0.50	1.30	2.00	1.27	5.00 ^
14.80	0.46	0.50	1.00	0.50	1.30	2.00	1.27	5.00 ^
14.85	0.46	0.50	1.00	0.50	1.30	2.00	1.27	5.00 ^
14.90	0.46	0.50	1.00	0.50	1.30	2.00	1.26	5.00 ^
14.95	0.47	0.50	1.00	0.50	1.30	2.00	1.26	5.00 ^
15.00	0.47	0.50	1.00	0.50	1.30	2.00	1.26	5.00 ^
15.05	0.47	0.50	1.00	0.50	1.30	2.00	1.26	5.00 ^
15.10	0.47	0.50	1.00	0.50	1.30	2.00	1.26	5.00 ^
15.15	0.47	0.50	1.00	0.50	1.30	2.00	1.26	5.00 ^
15.20	0.48	0.50	1.00	0.50	1.30	2.00	1.26	5.00 ^
15.25	0.48	0.50	1.00	0.50	1.30	2.00	1.25	5.00 ^
15.30	0.48	0.50	1.00	0.50	1.30	2.00	1.25	5.00 ^
15.35	0.48	0.50	1.00	0.50	1.30	2.00	1.25	5.00 ^
15.40	0.48	0.50	1.00	0.50	1.30	2.00	1.25	5.00 ^
15.45	0.48	0.50	1.00	0.50	1.30	2.00	1.25	5.00 ^
15.50	0.49	0.50	1.00	0.50	1.30	2.00	1.25	5.00 ^
15.55	0.49	0.50	1.00	0.50	1.30	2.00	1.25	5.00 ^
15.60	0.49	0.50	1.00	0.50	1.30	2.00	1.24	5.00 ^
15.65	0.49	0.50	1.00	0.50	1.30	2.00	1.24	5.00 ^
15.70	0.49	0.50	1.00	0.50	1.30	2.00	1.24	5.00 ^
15.75	0.50	0.50	1.00	0.50	1.30	2.00	1.24	5.00 ^
15.80	0.50	0.50	1.00	0.50	1.30	2.00	1.24	5.00 ^
15.85	0.50	0.50	1.00	0.50	1.30	2.00	1.24	5.00 ^
15.90	0.50	0.50	1.00	0.50	1.30	2.00	1.24	5.00 ^
15.95	0.50	0.50	1.00	0.50	1.30	2.00	1.24	5.00 ^
16.00	0.51	0.50	1.00	0.50	1.30	2.00	1.23	5.00 ^
16.05	0.51	0.50	1.00	0.50	1.30	2.00	1.23	5.00 ^
16.10	0.51	0.50	1.00	0.50	1.30	2.00	1.23	5.00 ^
16.15	0.51	0.50	1.00	0.50	1.30	2.00	1.23	5.00 ^
16.20	0.51	0.50	1.00	0.50	1.30	2.00	1.23	5.00 ^
16.25	0.51	0.49	1.00	0.49	1.30	2.00	1.23	5.00 ^
16.30	0.52	0.43	1.00	0.43	1.30	2.00	1.23	5.00 ^
16.35	0.52	0.41	1.00	0.41	1.30	2.00	1.23	5.00 ^
16.40	0.52	0.39	1.00	0.39	1.30	2.00	1.23	5.00 ^
16.45	0.52	0.38	1.00	0.38	1.30	2.00	1.22	5.00 ^
16.50	0.52	0.37	1.00	0.37	1.30	2.00	1.22	5.00 ^
16.55	0.53	0.36	1.00	0.36	1.30	2.00	1.22	5.00 ^
16.60	0.53	0.35	1.00	0.35	1.30	2.00	1.22	5.00 ^
16.65	0.53	0.35	1.00	0.35	1.30	2.00	1.22	5.00 ^
16.70	0.53	0.34	1.00	0.34	1.30	2.00	1.22	5.00 ^
16.75	0.53	0.34	1.00	0.34	1.30	2.00	1.22	5.00 ^
16.80	0.54	0.33	1.00	0.33	1.30	2.00	1.22	5.00 ^
16.85	0.54	0.32	1.00	0.32	1.30	2.00	1.22	5.00 ^
16.90	0.54	0.32	1.00	0.32	1.30	2.00	1.21	5.00 ^
16.95	0.54	0.31	1.00	0.31	1.30	2.00	1.21	5.00 ^
17.00	0.54	0.31	1.00	0.31	1.30	2.00	1.21	5.00 ^

17.05	0.54	0.31	1.00	0.31	1.30	2.00	1.21	5.00 ^
17.10	0.54	0.30	1.00	0.30	1.30	2.00	1.21	5.00 ^
17.15	0.55	0.30	1.00	0.30	1.30	2.00	1.21	5.00 ^
17.20	0.55	0.29	1.00	0.29	1.30	2.00	1.21	5.00 ^
17.25	0.55	0.29	1.00	0.29	1.30	2.00	1.21	5.00 ^
17.30	0.55	0.29	1.00	0.29	1.30	2.00	1.21	5.00 ^
17.35	0.55	0.28	1.00	0.28	1.30	2.00	1.21	5.00 ^
17.40	0.55	0.28	1.00	0.28	1.30	2.00	1.20	5.00 ^
17.45	0.55	0.28	1.00	0.28	1.30	2.00	1.20	5.00 ^
17.50	0.55	0.27	1.00	0.27	1.30	2.00	1.20	5.00 ^
17.55	0.55	0.27	1.00	0.27	1.30	2.00	1.20	5.00 ^
17.60	0.55	0.27	1.00	0.27	1.30	2.00	1.20	5.00 ^
17.65	0.55	0.27	1.00	0.27	1.30	2.00	1.20	5.00 ^
17.70	0.56	0.27	1.00	0.27	1.30	2.00	1.20	5.00 ^
17.75	0.56	0.27	1.00	0.27	1.30	2.00	1.20	5.00 ^
17.80	0.56	0.27	1.00	0.27	1.30	2.00	1.20	5.00 ^
17.85	0.56	0.27	1.00	0.27	1.30	2.00	1.20	5.00 ^
17.90	0.56	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
17.95	0.56	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.00	0.56	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.05	0.56	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.10	0.56	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.15	0.56	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.20	0.56	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.25	0.57	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.30	0.57	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.35	0.57	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.40	0.57	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.45	0.57	0.27	1.00	0.27	1.30	2.00	1.19	5.00 ^
18.50	0.57	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.55	0.57	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.60	0.57	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.65	0.57	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.70	0.57	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.75	0.57	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.80	0.58	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.85	0.58	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.90	0.58	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
18.95	0.58	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
19.00	0.58	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
19.05	0.58	0.27	1.00	0.27	1.30	2.00	1.18	5.00 ^
19.10	0.58	0.27	1.00	0.27	1.30	2.00	1.17	5.00 ^
19.15	0.58	0.27	1.00	0.27	1.30	2.00	1.17	5.00 ^
19.20	0.58	0.27	1.00	0.27	1.30	2.00	1.17	5.00 ^
19.25	0.58	0.27	1.00	0.27	1.30	2.00	1.17	5.00 ^
19.30	0.58	0.27	1.00	0.27	1.30	2.00	1.17	5.00 ^
19.35	0.59	0.26	1.00	0.26	1.30	2.00	1.17	5.00 ^
19.40	0.59	0.26	1.00	0.26	1.30	2.00	1.17	5.00 ^
19.45	0.59	0.26	1.00	0.26	1.30	2.00	1.17	5.00 ^
19.50	0.59	0.26	1.00	0.26	1.30	2.00	1.17	5.00 ^
19.55	0.59	0.26	1.00	0.26	1.30	2.00	1.17	5.00 ^
19.60	0.59	0.26	1.00	0.26	1.30	2.00	1.17	5.00 ^
19.65	0.59	0.26	1.00	0.26	1.30	2.00	1.17	5.00 ^
19.70	0.59	0.26	1.00	0.26	1.30	2.00	1.17	5.00 ^
19.75	0.59	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
19.80	0.59	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
19.85	0.59	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
19.90	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
19.95	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.00	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.05	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.10	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.15	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.20	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.25	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.30	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.35	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.40	0.60	0.26	1.00	0.26	1.30	2.00	1.16	5.00 ^
20.45	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.50	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.55	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.60	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.65	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^

20.70	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.75	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.80	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.85	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.90	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
20.95	0.61	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
21.00	0.62	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
21.05	0.62	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
21.10	0.62	0.26	1.00	0.26	1.30	2.00	1.15	5.00 ^
21.15	0.62	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.20	0.62	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.25	0.62	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.30	0.62	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.35	0.62	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.40	0.62	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.45	0.62	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.50	0.62	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.55	0.63	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.60	0.63	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.65	0.63	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.70	0.63	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.75	0.63	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.80	0.63	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.85	0.63	0.26	1.00	0.26	1.30	2.00	1.14	5.00 ^
21.90	0.63	0.25	1.00	0.25	1.30	2.00	1.14	5.00 ^
21.95	0.63	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.00	0.63	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.05	0.63	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.10	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.15	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.20	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.25	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.30	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.35	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.40	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.45	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.50	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.55	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.60	0.64	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.65	0.65	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.70	0.65	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.75	0.65	0.25	1.00	0.25	1.30	2.00	1.13	5.00 ^
22.80	0.65	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
22.85	0.65	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
22.90	0.65	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
22.95	0.65	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.00	0.65	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.05	0.65	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.10	0.65	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.15	0.65	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.20	0.66	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.25	0.66	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.30	0.66	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.35	0.66	0.25	1.00	0.25	1.30	2.00	1.12	5.00 ^
23.40	0.66	0.26	1.00	0.26	1.30	2.00	1.12	5.00 ^
23.45	0.66	0.26	1.00	0.26	1.30	2.00	1.12	5.00 ^
23.50	0.66	0.26	1.00	0.26	1.30	2.00	1.12	5.00 ^
23.55	0.66	0.26	1.00	0.26	1.30	2.00	1.12	5.00 ^
23.60	0.66	0.26	1.00	0.26	1.30	2.00	1.12	5.00 ^
23.65	0.66	0.26	1.00	0.26	1.30	2.00	1.12	5.00 ^
23.70	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
23.75	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
23.80	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
23.85	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
23.90	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
23.95	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.00	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.05	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.10	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.15	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.20	0.67	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.25	0.68	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.30	0.68	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^

24.35	0.68	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.40	0.68	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.45	0.68	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.50	0.68	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.55	0.68	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.60	0.68	0.26	1.00	0.26	1.30	2.00	1.11	5.00 ^
24.65	0.68	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
24.70	0.68	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
24.75	0.68	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
24.80	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
24.85	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
24.90	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
24.95	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.00	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.05	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.10	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.15	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.20	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.25	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.30	0.69	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.35	0.70	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.40	0.70	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.45	0.70	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.50	0.70	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.55	0.70	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.60	0.70	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.65	0.70	0.26	1.00	0.26	1.30	2.00	1.10	5.00 ^
25.70	0.70	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
25.75	0.70	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
25.80	0.70	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
25.85	0.70	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
25.90	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
25.95	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.00	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.05	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.10	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.15	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.20	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.25	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.30	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.35	0.71	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.40	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.45	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.50	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.55	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.60	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.65	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.70	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.75	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.80	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.85	0.72	0.26	1.00	0.26	1.30	2.00	1.09	5.00 ^
26.90	0.72	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
26.95	0.73	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
27.00	0.73	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
27.05	0.73	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
27.10	0.73	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
27.15	0.73	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
27.20	0.73	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.25	0.73	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.30	0.73	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.35	0.73	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.40	0.73	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.45	0.73	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.50	0.74	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.55	0.74	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.60	0.74	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.65	0.74	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.70	0.74	0.27	1.00	0.27	1.30	2.00	1.08	5.00 ^
27.75	0.74	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
27.80	0.74	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
27.85	0.74	0.26	1.00	0.26	1.30	2.00	1.08	5.00 ^
27.90	0.74	0.28	1.00	0.28	1.30	2.00	1.08	5.00 ^
27.95	0.74	0.28	1.00	0.28	1.30	2.00	1.08	5.00 ^

28.00	0.74	0.28	1.00	0.28	1.30	2.00	1.08	5.00 ^
28.05	0.75	0.28	1.00	0.28	1.30	2.00	1.08	5.00 ^
28.10	0.75	0.28	1.00	0.28	1.30	2.00	1.08	5.00 ^
28.15	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.20	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.25	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.30	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.35	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.40	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.45	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.50	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.55	0.75	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.60	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.65	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.70	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.75	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.80	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.85	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.90	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
28.95	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
29.00	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
29.05	0.76	0.28	1.00	0.28	1.30	2.00	1.07	5.00 ^
29.10	0.76	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.15	0.77	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.20	0.77	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.25	0.77	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.30	0.77	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.35	0.77	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.40	0.77	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.45	0.77	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.50	0.77	0.27	1.00	0.27	1.30	2.00	1.07	5.00 ^
29.55	0.77	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
29.60	0.77	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
29.65	0.77	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
29.70	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
29.75	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
29.80	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
29.85	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
29.90	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
29.95	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.00	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.05	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.10	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.15	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.20	0.78	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.25	0.79	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.30	0.79	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.35	0.79	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.40	0.79	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.45	0.79	0.27	1.00	0.27	1.30	2.00	1.06	5.00 ^
30.50	0.79	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.55	0.79	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.60	0.79	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.65	0.79	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.70	0.79	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.75	0.79	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.80	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.85	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.90	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
30.95	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
31.00	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
31.05	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
31.10	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
31.15	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
31.20	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
31.25	0.80	0.27	1.00	0.27	1.30	2.00	1.05	5.00 ^
31.30	0.80	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.35	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.40	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.45	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.50	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.55	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.60	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^

31.65	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.70	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.75	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.80	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.85	0.81	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.90	0.82	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
31.95	0.82	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
32.00	0.82	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
32.05	0.82	0.27	1.00	0.27	1.30	2.00	1.04	5.00 ^
32.10	0.82	0.27	1.00	0.27	1.30	2.00	1.03	5.00 ^
32.15	0.82	0.26	1.00	0.26	1.30	2.00	1.03	5.00 ^
32.20	0.82	0.26	1.00	0.26	1.30	2.00	1.03	5.00 ^
32.25	0.82	0.26	1.00	0.26	1.30	2.00	1.03	5.00 ^
32.30	0.82	0.26	1.00	0.26	1.30	2.00	1.03	5.00 ^
32.35	0.82	0.26	1.00	0.26	1.30	2.00	1.03	5.00 ^
32.40	0.82	0.26	1.00	0.26	1.30	2.00	1.03	5.00 ^
32.45	0.83	0.26	1.00	0.26	1.30	2.00	1.03	5.00 ^
32.50	0.83	0.26	1.00	0.26	1.30	2.00	1.03	5.00 ^
32.55	0.83	0.26	1.00	0.26	1.30	0.34	1.03	0.33 *
32.60	0.83	0.26	1.00	0.26	1.30	0.34	1.03	0.33 *
32.65	0.83	0.26	1.00	0.26	1.30	0.34	1.03	0.33 *
32.70	0.83	0.26	1.00	0.26	1.30	0.34	1.03	0.33 *
32.75	0.83	0.26	1.00	0.26	1.30	0.34	1.03	0.33 *
32.80	0.83	0.26	1.00	0.26	1.30	0.34	1.03	0.34 *
32.85	0.83	0.26	1.00	0.26	1.30	0.34	1.03	0.34 *
32.90	0.83	0.27	1.00	0.27	1.30	0.34	1.02	0.34 *
32.95	0.83	0.27	1.00	0.27	1.30	0.34	1.02	0.34 *
33.00	0.84	0.27	1.00	0.27	1.30	0.34	1.02	0.34 *
33.05	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.10	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.15	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.20	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.25	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.30	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.35	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.40	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.45	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.50	0.84	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.55	0.85	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.60	0.85	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.65	0.85	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.70	0.85	0.27	1.00	0.27	1.30	0.35	1.02	0.34 *
33.75	0.85	0.27	1.00	0.27	1.30	0.35	1.01	0.34 *
33.80	0.85	0.27	1.00	0.27	1.30	0.35	1.01	0.34 *
33.85	0.85	0.27	1.00	0.27	1.30	0.35	1.01	0.34 *
33.90	0.85	0.27	1.00	0.27	1.30	0.35	1.01	0.34 *
33.95	0.85	0.27	1.00	0.27	1.30	0.35	1.01	0.34 *
34.00	0.85	0.27	1.00	0.27	1.30	0.35	1.01	0.34 *
34.05	0.85	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.10	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.15	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.20	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.25	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.30	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.35	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.40	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.45	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.50	0.86	0.27	1.00	0.27	1.30	0.35	1.01	0.35 *
34.55	0.86	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
34.60	0.86	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
34.65	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
34.70	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
34.75	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
34.80	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
34.85	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
34.90	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
34.95	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
35.00	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
35.05	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
35.10	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
35.15	0.87	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
35.20	0.88	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
35.25	0.88	0.27	1.00	0.27	1.30	0.35	1.00	0.36 *

35.30	0.88	0.27	1.00	0.27	1.30	0.35	1.00	0.36 *
35.35	0.88	0.27	1.00	0.27	1.30	0.35	1.00	0.36 *
35.40	0.88	0.27	1.00	0.27	1.30	0.35	0.99	0.36 *
35.45	0.88	0.27	1.00	0.27	1.30	0.35	0.99	0.36 *
35.50	0.88	0.27	1.00	0.27	1.30	0.35	0.99	0.36 *
35.55	0.88	0.27	1.00	0.27	1.30	0.35	0.99	0.36 *
35.60	0.88	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
35.65	0.88	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
35.70	0.88	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
35.75	0.89	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
35.80	0.89	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
35.85	0.89	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
35.90	0.89	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
35.95	0.89	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
36.00	0.89	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
36.05	0.89	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
36.10	0.89	0.27	1.00	0.27	1.30	0.36	0.99	0.36 *
36.15	0.89	0.28	1.00	0.28	1.30	0.36	0.99	0.36 *
36.20	0.89	0.28	1.00	0.28	1.30	0.36	0.99	0.36 *
36.25	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.36 *
36.30	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.36 *
36.35	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.36 *
36.40	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.36 *
36.45	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.50	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.55	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.60	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.65	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.70	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.75	0.90	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.80	0.91	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.85	0.91	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.90	0.91	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
36.95	0.91	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
37.00	0.91	0.28	1.00	0.28	1.30	0.36	0.98	0.37 *
37.05	0.91	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.10	0.91	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.15	0.91	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.20	0.91	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.25	0.91	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.30	0.91	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.35	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.40	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.45	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.50	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.55	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.60	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.65	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.70	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.75	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.80	0.92	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.85	0.93	0.28	1.00	0.28	1.30	0.36	0.97	0.37 *
37.90	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
37.95	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.00	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.05	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.10	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.15	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.20	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.25	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.30	0.93	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.35	0.94	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.40	0.94	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.45	0.94	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.50	0.94	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.55	0.94	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.60	0.94	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.65	0.94	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.70	0.94	0.28	1.00	0.28	1.30	0.36	0.96	0.37 *
38.75	0.94	0.28	1.00	0.28	1.30	0.36	0.95	0.37 *
38.80	0.94	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
38.85	0.94	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
38.90	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *

38.95	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.00	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.05	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.10	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.15	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.20	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.25	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.30	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.35	0.95	0.27	1.00	0.27	1.30	0.36	0.95	0.37 *
39.40	0.96	0.27	1.00	0.27	1.30	0.35	0.95	0.37 *
39.45	0.96	0.27	1.00	0.27	1.30	0.35	0.95	0.37 *
39.50	0.96	0.27	1.00	0.27	1.30	0.35	0.95	0.37 *
39.55	0.96	0.27	1.00	0.27	1.30	0.35	0.95	0.37 *
39.60	0.96	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
39.65	0.96	0.27	1.00	0.27	1.30	0.35	0.94	0.37 *
39.70	0.96	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
39.75	0.96	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
39.80	0.96	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
39.85	0.96	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
39.90	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
39.95	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.00	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.05	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.10	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.15	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.20	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.25	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.30	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.35	0.97	0.27	1.00	0.27	1.30	0.35	0.94	0.38 *
40.40	0.97	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.45	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.50	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.55	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.60	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.65	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.70	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.75	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.80	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.85	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.90	0.98	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
40.95	0.99	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
41.00	0.99	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
41.05	0.99	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
41.10	0.99	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
41.15	0.99	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
41.20	0.99	0.27	1.00	0.27	1.30	0.35	0.93	0.38 *
41.25	0.99	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.30	0.99	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.35	0.99	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.40	0.99	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.45	1.00	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.50	1.00	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.55	1.00	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.60	1.00	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.65	1.00	0.27	1.00	0.27	1.30	0.35	0.92	0.38 *
41.70	1.00	0.27	1.01	0.27	1.30	0.35	0.92	0.38 *
41.75	1.00	0.27	1.01	0.27	1.30	0.35	0.92	0.38 *
41.80	1.00	0.27	1.01	0.27	1.30	0.35	0.92	0.38 *
41.85	1.00	0.27	1.01	0.27	1.30	0.35	0.92	0.38 *
41.90	1.00	0.27	1.01	0.27	1.30	0.35	0.92	0.38 *
41.95	1.01	0.27	1.01	0.27	1.30	0.35	0.92	0.38 *
42.00	1.01	0.27	1.01	0.27	1.30	0.35	0.92	0.38 *
42.05	1.01	0.27	1.01	0.27	1.30	0.35	0.92	0.38 *
42.10	1.01	0.27	1.00	0.27	1.30	0.35	0.91	0.38 *
42.15	1.01	0.27	1.00	0.27	1.30	0.35	0.91	0.38 *
42.20	1.01	0.27	1.00	0.27	1.30	0.35	0.91	0.38 *
42.25	1.01	0.27	1.00	0.27	1.30	0.35	0.91	0.38 *
42.30	1.01	0.26	1.00	0.27	1.30	0.35	0.91	0.38 *
42.35	1.01	0.26	1.00	0.27	1.30	0.35	0.91	0.38 *
42.40	1.01	0.26	1.00	0.27	1.30	0.35	0.91	0.38 *
42.45	1.02	0.26	1.00	0.27	1.30	0.34	0.91	0.38 *
42.50	1.02	0.26	1.00	0.27	1.30	0.34	0.91	0.38 *
42.55	1.02	0.29	1.00	0.29	1.30	0.38	0.91	0.42 *

42.60	1.02	0.32	1.00	0.32	1.30	0.42	0.91	0.46 *
42.65	1.02	0.37	1.00	0.37	1.30	0.48	0.91	0.53 *
42.70	1.02	0.50	1.00	0.50	1.30	0.65	0.91	0.72 *
42.75	1.02	0.50	1.00	0.50	1.30	0.65	0.91	0.72 *
42.80	1.02	0.50	1.00	0.50	1.30	0.65	0.91	0.72 *
42.85	1.02	0.50	1.00	0.50	1.30	0.65	0.91	0.72 *
42.90	1.02	0.50	1.00	0.50	1.30	0.65	0.91	0.72 *
42.95	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.00	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.05	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.10	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.15	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.20	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.25	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.30	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.35	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.40	1.03	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.45	1.04	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.50	1.04	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.55	1.04	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.60	1.04	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.65	1.04	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.70	1.04	0.50	1.00	0.50	1.30	0.65	0.90	0.72 *
43.75	1.04	0.50	1.00	0.50	1.30	0.65	0.90	0.73 *
43.80	1.04	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
43.85	1.04	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
43.90	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
43.95	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.00	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.05	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.10	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.15	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.20	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.25	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.30	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.35	1.05	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.40	1.06	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.45	1.06	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.50	1.06	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.55	1.06	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.60	1.06	0.50	1.00	0.50	1.30	0.65	0.89	0.73 *
44.65	1.06	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
44.70	1.06	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
44.75	1.06	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
44.80	1.06	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
44.85	1.07	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
44.90	1.07	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
44.95	1.07	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
45.00	1.07	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
45.05	1.07	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
45.10	1.07	0.50	1.00	0.50	1.30	0.65	0.88	0.73 *
45.15	1.07	0.50	0.99	0.50	1.30	0.65	0.88	0.74 *
45.20	1.07	0.50	0.99	0.50	1.30	0.65	0.88	0.74 *
45.25	1.07	0.50	0.99	0.50	1.30	0.65	0.88	0.74 *
45.30	1.07	0.50	0.99	0.50	1.30	0.65	0.88	0.74 *
45.35	1.08	0.50	0.99	0.50	1.30	0.65	0.88	0.74 *
45.40	1.08	0.50	0.99	0.50	1.30	0.65	0.88	0.74 *
45.45	1.08	0.50	0.99	0.50	1.30	0.65	0.88	0.74 *
45.50	1.08	0.50	0.99	0.50	1.30	0.65	0.87	0.74 *
45.55	1.08	0.50	0.99	0.50	1.30	0.65	0.87	0.74 *
45.60	1.08	0.50	0.99	0.50	1.30	0.65	0.87	0.74 *
45.65	1.08	0.50	0.99	0.50	1.30	0.65	0.87	0.74 *
45.70	1.08	0.50	0.99	0.50	1.30	0.65	0.87	0.74 *
45.75	1.08	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
45.80	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
45.85	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
45.90	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
45.95	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
46.00	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
46.05	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
46.10	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
46.15	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
46.20	1.09	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *

46.25	1.10	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
46.30	1.10	0.50	0.99	0.50	1.30	0.64	0.87	0.74 *
46.35	1.10	0.50	0.99	0.50	1.30	0.64	0.86	0.74 *
46.40	1.10	0.50	0.99	0.50	1.30	0.64	0.86	0.74 *
46.45	1.10	0.50	0.99	0.50	1.30	0.64	0.86	0.75 *
46.50	1.10	0.50	0.99	0.50	1.30	0.64	0.86	0.75 *
46.55	1.10	0.50	0.99	0.50	1.30	0.64	0.86	0.75 *
46.60	1.10	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
46.65	1.10	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
46.70	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
46.75	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
46.80	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
46.85	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
46.90	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
46.95	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
47.00	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
47.05	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
47.10	1.11	0.50	0.99	0.49	1.30	0.64	0.86	0.75 *
47.15	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.20	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.25	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.30	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.35	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.40	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.45	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.50	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.55	1.12	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.60	1.13	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.65	1.13	0.50	0.99	0.49	1.30	0.64	0.85	0.75 *
47.70	1.13	0.50	0.99	0.49	1.30	0.64	0.85	0.76 *
47.75	1.13	0.50	0.99	0.49	1.30	0.64	0.85	0.76 *
47.80	1.13	0.50	0.99	0.49	1.30	0.64	0.85	0.76 *
47.85	1.13	0.50	0.99	0.49	1.30	0.64	0.85	0.76 *
47.90	1.13	0.50	0.99	0.49	1.30	0.64	0.85	0.76 *
47.95	1.13	0.50	0.99	0.49	1.30	0.64	0.85	0.76 *
48.00	1.13	0.50	0.99	0.49	1.30	0.64	0.84	0.76 *
48.05	1.14	0.50	0.99	0.49	1.30	0.64	0.84	0.76 *
48.10	1.14	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.15	1.14	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.20	1.14	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.25	1.14	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.30	1.14	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.35	1.14	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.40	1.14	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.45	1.14	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.50	1.15	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.55	1.15	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.60	1.15	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.65	1.15	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.70	1.15	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.75	1.15	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.80	1.15	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.85	1.15	0.50	0.98	0.49	1.30	0.64	0.84	0.76 *
48.90	1.15	0.50	0.98	0.49	1.30	0.64	0.83	0.76 *
48.95	1.15	0.50	0.98	0.49	1.30	0.64	0.83	0.76 *
49.00	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.05	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.10	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.15	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.20	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.25	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.30	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.35	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.40	1.16	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.45	1.17	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.50	1.17	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.55	1.17	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.60	1.17	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.65	1.17	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.70	1.17	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.75	1.17	0.50	0.98	0.49	1.30	0.64	0.83	0.77 *
49.80	1.17	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
49.85	1.17	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *

49.90	1.17	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
49.95	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
50.00	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
50.05	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
50.10	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
50.15	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
50.20	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
50.25	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
50.30	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
50.35	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.78 *
50.40	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.78 *
50.45	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
50.50	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
50.55	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
50.60	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
50.65	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
50.70	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
50.75	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
50.80	1.19	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
50.85	1.19	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
50.90	1.19	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
50.95	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
51.00	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
51.05	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
51.10	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
51.15	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
51.20	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
51.25	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
51.30	1.20	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.35	1.20	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.40	1.20	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.45	1.20	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.50	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.55	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.60	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.65	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.70	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
51.75	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.79 *
51.80	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.79 *
51.85	1.21	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
51.90	1.21	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
51.95	1.21	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.00	1.21	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.05	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.10	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.15	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.20	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.25	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.30	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.35	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.40	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.45	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.50	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.55	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.60	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.65	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.70	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.75	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.80	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.85	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.90	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
52.95	1.23	0.50	0.97	0.49	1.30	0.63	0.79	0.79 *
53.00	1.23	0.50	0.97	0.49	1.30	0.63	0.79	0.79 *
53.05	1.23	0.50	0.97	0.49	1.30	0.63	0.79	0.79 *
53.10	1.23	0.50	0.97	0.49	1.30	0.63	0.79	0.79 *
53.15	1.24	0.50	0.97	0.49	1.30	0.63	0.79	0.79 *
53.20	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.25	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.30	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.35	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.40	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.45	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.50	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *

53.55	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.60	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.65	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.70	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.75	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.80	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.85	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.90	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
53.95	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
54.00	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
54.05	1.25	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.10	1.25	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.15	1.25	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.20	1.25	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.25	1.25	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.30	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.35	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.40	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.45	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.50	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.55	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.60	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
54.65	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
54.70	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
54.75	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
54.80	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
54.85	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
54.90	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
54.95	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
55.00	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
55.05	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
55.10	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.81 *
55.15	1.27	0.50	0.96	0.48	1.30	0.63	0.78	0.81 *
55.20	1.27	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.25	1.27	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.30	1.27	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.35	1.27	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.40	1.27	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.45	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.50	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.55	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.60	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.65	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.70	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.75	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.80	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.85	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.90	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
55.95	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
56.00	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
56.05	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
56.10	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.82 *
56.15	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.82 *
56.20	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.82 *
56.25	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.82 *
56.30	1.29	0.50	0.96	0.48	1.30	0.62	0.77	0.82 *
56.35	1.29	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.40	1.29	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.45	1.29	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.50	1.29	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.55	1.29	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.60	1.29	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.65	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.70	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.75	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.80	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.85	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.90	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
56.95	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.00	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.05	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.10	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.15	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *

57.20	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.25	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.30	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.35	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.40	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.45	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
57.50	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.83 *
57.55	1.31	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
57.60	1.31	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
57.65	1.31	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
57.70	1.31	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
57.75	1.31	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
57.80	1.31	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
57.85	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
57.90	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
57.95	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.00	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.05	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.10	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.15	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.20	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.25	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.30	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.35	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.40	1.32	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.45	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.50	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.55	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.60	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.65	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
58.70	1.33	0.50	0.96	0.48	1.30	0.62	0.74	0.83 *
58.75	1.33	0.50	0.96	0.48	1.30	0.62	0.74	0.83 *
58.80	1.33	0.50	0.96	0.48	1.30	0.62	0.74	0.83 *
58.85	1.33	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
58.90	1.33	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
58.95	1.33	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
59.00	1.33	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
59.05	1.33	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
59.10	1.34	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
59.15	1.34	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
59.20	1.34	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
59.25	1.34	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
59.30	1.34	0.50	0.96	0.48	1.30	0.62	0.74	0.84 *
59.35	1.34	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.40	1.34	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.45	1.34	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.50	1.34	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.55	1.34	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.60	1.34	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.65	1.34	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.70	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.75	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.80	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.85	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.90	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
59.95	1.35	0.50	0.95	0.48	1.30	0.62	0.73	0.84 *
60.00	1.35	0.50	0.95	0.48	1.30	0.62	0.73	0.84 *
60.05	1.35	0.50	0.95	0.48	1.30	0.62	0.73	0.84 *
60.10	1.35	0.50	0.95	0.48	1.30	0.62	0.73	0.84 *
60.15	1.35	0.50	0.95	0.48	1.30	0.62	0.73	0.84 *
60.20	1.35	0.50	0.95	0.48	1.30	0.62	0.73	0.84 *
60.25	1.35	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.30	1.35	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.35	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.40	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.45	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.50	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.55	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.60	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.65	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.70	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.75	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.80	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *

60.85	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.90	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
60.95	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
61.00	1.36	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
61.05	1.37	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
61.10	1.37	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
61.15	1.37	0.50	0.95	0.48	1.30	0.62	0.73	0.85 *
61.20	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.85 *
61.25	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.85 *
61.30	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.85 *
61.35	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.85 *
61.40	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.85 *
61.45	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.85 *
61.50	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.85 *
61.55	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.85 *
61.60	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.86 *
61.65	1.37	0.50	0.95	0.48	1.30	0.62	0.72	0.86 *
61.70	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
61.75	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
61.80	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
61.85	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
61.90	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
61.95	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.00	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.05	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.10	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.15	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.20	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.25	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.30	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.35	1.38	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.40	1.39	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.45	1.39	0.50	0.95	0.47	1.30	0.62	0.72	0.86 *
62.50	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.86 *
62.55	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.86 *
62.60	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.86 *
62.65	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.86 *
62.70	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.86 *
62.75	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.86 *
62.80	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.86 *
62.85	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.86 *
62.90	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
62.95	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
63.00	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
63.05	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
63.10	1.39	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
63.15	1.40	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
63.20	1.40	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
63.25	1.40	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
63.30	1.40	0.50	0.95	0.47	1.30	0.62	0.71	0.87 *
63.35	1.40	0.50	0.95	0.47	1.30	0.61	0.71	0.87 *
63.40	1.40	0.50	0.95	0.47	1.30	0.61	0.71	0.87 *
63.45	1.40	0.50	0.95	0.47	1.30	0.61	0.71	0.87 *
63.50	1.40	0.50	0.95	0.47	1.30	0.61	0.71	0.87 *
63.55	1.40	0.50	0.95	0.47	1.30	0.61	0.71	0.87 *
63.60	1.40	0.50	0.95	0.47	1.30	0.61	0.71	0.87 *
63.65	1.40	0.50	0.95	0.47	1.30	0.61	0.71	0.87 *
63.70	1.40	0.50	0.95	0.47	1.30	0.61	0.71	0.87 *
63.75	1.40	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
63.80	1.40	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
63.85	1.41	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
63.90	1.41	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
63.95	1.41	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
64.00	1.41	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
64.05	1.41	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
64.10	1.41	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
64.15	1.41	0.50	0.95	0.47	1.30	0.61	0.70	0.87 *
64.20	1.41	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.25	1.41	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.30	1.41	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.35	1.41	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.40	1.41	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.45	1.41	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *

64.50	1.41	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.55	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.60	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.65	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.70	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.75	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.80	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.85	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.90	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
64.95	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
65.00	1.42	0.50	0.94	0.47	1.30	0.61	0.70	0.88 *
65.05	1.42	0.50	0.94	0.47	1.30	0.61	0.69	0.88 *
65.10	1.42	0.50	0.94	0.47	1.30	0.61	0.69	0.88 *
65.15	1.42	0.50	0.94	0.47	1.30	0.61	0.69	0.88 *
65.20	1.42	0.50	0.94	0.47	1.30	0.61	0.69	0.88 *
65.25	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.88 *
65.30	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.88 *
65.35	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.88 *
65.40	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.88 *
65.45	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.50	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.55	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.60	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.65	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.70	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.75	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.80	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.85	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.90	1.43	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
65.95	1.44	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
66.00	1.44	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
66.05	1.44	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
66.10	1.44	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
66.15	1.44	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
66.20	1.44	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
66.25	1.44	0.50	0.94	0.47	1.30	0.61	0.69	0.89 *
66.30	1.44	0.50	0.94	0.47	1.30	0.61	0.68	0.89 *
66.35	1.44	0.50	0.94	0.47	1.30	0.61	0.68	0.89 *
66.40	1.44	0.50	0.94	0.47	1.30	0.61	0.68	0.89 *
66.45	1.44	0.50	0.94	0.47	1.30	0.61	0.68	0.89 *
66.50	1.44	0.50	0.94	0.47	1.30	0.61	0.68	0.89 *
66.55	1.44	0.50	0.94	0.47	1.30	0.61	0.68	0.89 *
66.60	1.44	0.50	0.94	0.47	1.30	0.61	0.68	0.89 *
66.65	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
66.70	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
66.75	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
66.80	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
66.85	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
66.90	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
66.95	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.00	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.05	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.10	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.15	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.20	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.25	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.30	1.45	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.35	1.46	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.40	1.46	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.45	1.46	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.50	1.46	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.55	1.46	0.50	0.94	0.47	1.30	0.61	0.68	0.90 *
67.60	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.90 *
67.65	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.90 *
67.70	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.90 *
67.75	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.90 *
67.80	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
67.85	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
67.90	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
67.95	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.00	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.05	1.46	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.10	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *

68.15	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.20	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.25	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.30	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.35	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.40	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.45	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.50	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.55	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.60	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.65	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.70	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.75	1.47	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.80	1.48	0.50	0.94	0.47	1.30	0.61	0.67	0.91 *
68.85	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.91 *
68.90	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
68.95	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.00	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.05	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.10	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.15	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.20	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.25	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.30	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.35	1.48	0.50	0.94	0.47	1.30	0.61	0.66	0.92 *
69.40	1.48	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.45	1.48	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.50	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.55	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.60	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.65	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.70	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.75	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.80	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.85	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.90	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.92 *
69.95	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.93 *
70.00	1.49	0.50	0.93	0.47	1.30	0.61	0.66	0.93 *

* F.S.<1: Liquefaction Potential Zone. (If above water table: F.S.=5)
^ No-liquefiable Soils or above Water Table.
(F.S. is limited to 5, CRR is limited to 2,   CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:
Fines Correction for Settlement Analysis:

Depth ft	Ic	qc/N60	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
7.50	-	-	-	52.97	NoLiq	0.00	52.97
7.55	-	-	-	52.97	NoLiq	0.00	52.97
7.60	-	-	-	52.97	NoLiq	0.00	52.97
7.65	-	-	-	52.97	NoLiq	0.00	52.97
7.70	-	-	-	52.97	NoLiq	0.00	52.97
7.75	-	-	-	52.97	NoLiq	0.00	52.97
7.80	-	-	-	52.97	NoLiq	0.00	52.97
7.85	-	-	-	52.97	NoLiq	0.00	52.97
7.90	-	-	-	52.97	NoLiq	0.00	52.97
7.95	-	-	-	52.97	NoLiq	0.00	52.97
8.00	-	-	-	52.97	NoLiq	0.00	52.97
8.05	-	-	-	52.83	NoLiq	0.00	52.83
8.10	-	-	-	52.68	NoLiq	0.00	52.68
8.15	-	-	-	52.52	NoLiq	0.00	52.52
8.20	-	-	-	52.37	NoLiq	0.00	52.37
8.25	-	-	-	58.52	NoLiq	0.00	58.52
8.30	-	-	-	58.35	NoLiq	0.00	58.35
8.35	-	-	-	58.18	NoLiq	0.00	58.18
8.40	-	-	-	58.01	NoLiq	0.00	58.01
8.45	-	-	-	57.85	NoLiq	0.00	57.85
8.50	-	-	-	57.68	NoLiq	0.00	57.68
8.55	-	-	-	57.52	NoLiq	0.00	57.52
8.60	-	-	-	57.35	NoLiq	0.00	57.35
8.65	-	-	-	57.19	NoLiq	0.00	57.19

8.70	-	-	-	57.03	NoLiq	0.00	57.03
8.75	-	-	-	56.87	NoLiq	0.00	56.87
8.80	-	-	-	56.71	NoLiq	0.00	56.71
8.85	-	-	-	56.55	NoLiq	0.00	56.55
8.90	-	-	-	56.40	NoLiq	0.00	56.40
8.95	-	-	-	56.24	NoLiq	0.00	56.24
9.00	-	-	-	56.09	NoLiq	0.00	56.09
9.05	-	-	-	55.93	NoLiq	0.00	55.93
9.10	-	-	-	55.78	NoLiq	0.00	55.78
9.15	-	-	-	55.63	NoLiq	0.00	55.63
9.20	-	-	-	55.47	NoLiq	0.00	55.47
9.25	-	-	-	55.32	NoLiq	0.00	55.32
9.30	-	-	-	55.17	NoLiq	0.00	55.17
9.35	-	-	-	55.02	NoLiq	0.00	55.02
9.40	-	-	-	54.88	NoLiq	0.00	54.88
9.45	-	-	-	54.73	NoLiq	0.00	54.73
9.50	-	-	-	54.58	NoLiq	0.00	54.58
9.55	-	-	-	54.44	NoLiq	0.00	54.44
9.60	-	-	-	54.29	NoLiq	0.00	54.29
9.65	-	-	-	54.15	NoLiq	0.00	54.15
9.70	-	-	-	54.01	NoLiq	0.00	54.01
9.75	-	-	-	53.86	NoLiq	0.00	53.86
9.80	-	-	-	53.72	NoLiq	0.00	53.72
9.85	-	-	-	53.58	NoLiq	0.00	53.58
9.90	-	-	-	53.44	NoLiq	0.00	53.44
9.95	-	-	-	53.30	NoLiq	0.00	53.30
10.00	-	-	-	53.16	NoLiq	0.00	53.16
10.05	-	-	-	53.03	NoLiq	0.00	53.03
10.10	-	-	-	52.89	NoLiq	0.00	52.89
10.15	-	-	-	52.75	NoLiq	0.00	52.75
10.20	-	-	-	52.62	NoLiq	0.00	52.62
10.25	-	-	-	52.49	NoLiq	0.00	52.49
10.30	-	-	-	52.35	NoLiq	0.00	52.35
10.35	-	-	-	52.22	NoLiq	0.00	52.22
10.40	-	-	-	52.09	NoLiq	0.00	52.09
10.45	-	-	-	51.96	NoLiq	0.00	51.96
10.50	-	-	-	51.82	NoLiq	0.00	51.82
10.55	-	-	-	51.70	NoLiq	0.00	51.70
10.60	-	-	-	51.57	NoLiq	0.00	51.57
10.65	-	-	-	51.44	NoLiq	0.00	51.44
10.70	-	-	-	51.31	NoLiq	0.00	51.31
10.75	-	-	-	51.18	NoLiq	0.00	51.18
10.80	-	-	-	51.06	NoLiq	0.00	51.06
10.85	-	-	-	50.93	NoLiq	0.00	50.93
10.90	-	-	-	50.81	NoLiq	0.00	50.81
10.95	-	-	-	50.68	NoLiq	0.00	50.68
11.00	-	-	-	50.56	NoLiq	0.00	50.56
11.05	-	-	-	50.43	NoLiq	0.00	50.43
11.10	-	-	-	50.31	NoLiq	0.00	50.31
11.15	-	-	-	50.19	NoLiq	0.00	50.19
11.20	-	-	-	50.07	NoLiq	0.00	50.07
11.25	-	-	-	49.95	NoLiq	0.00	49.95
11.30	-	-	-	49.83	NoLiq	0.00	49.83
11.35	-	-	-	49.71	NoLiq	0.00	49.71
11.40	-	-	-	49.59	NoLiq	0.00	49.59
11.45	-	-	-	49.47	NoLiq	0.00	49.47
11.50	-	-	-	49.36	NoLiq	0.00	49.36
11.55	-	-	-	49.24	NoLiq	0.00	49.24
11.60	-	-	-	49.12	NoLiq	0.00	49.12
11.65	-	-	-	49.01	NoLiq	0.00	49.01
11.70	-	-	-	48.89	NoLiq	0.00	48.89
11.75	-	-	-	48.78	NoLiq	0.00	48.78
11.80	-	-	-	48.67	NoLiq	0.00	48.67
11.85	-	-	-	48.55	NoLiq	0.00	48.55
11.90	-	-	-	48.44	NoLiq	0.00	48.44
11.95	-	-	-	48.33	NoLiq	0.00	48.33
12.00	-	-	-	48.22	NoLiq	0.00	48.22
12.05	-	-	-	48.11	NoLiq	0.00	48.11
12.10	-	-	-	48.00	NoLiq	0.00	48.00
12.15	-	-	-	47.89	NoLiq	0.00	47.89
12.20	-	-	-	47.78	NoLiq	0.00	47.78
12.25	-	-	-	47.67	NoLiq	0.00	47.67
12.30	-	-	-	47.56	NoLiq	0.00	47.56

12.35	-	-	-	47.45	NoLiq	0.00	47.45
12.40	-	-	-	47.35	NoLiq	0.00	47.35
12.45	-	-	-	47.24	NoLiq	0.00	47.24
12.50	-	-	-	47.13	NoLiq	0.00	47.13
12.55	-	-	-	46.82	NoLiq	0.00	46.82
12.60	-	-	-	46.50	NoLiq	0.00	46.50
12.65	-	-	-	46.19	NoLiq	0.00	46.19
12.70	-	-	-	45.88	NoLiq	0.00	45.88
12.75	-	-	-	45.57	NoLiq	0.00	45.57
12.80	-	-	-	45.27	NoLiq	0.00	45.27
12.85	-	-	-	44.96	NoLiq	0.00	44.96
12.90	-	-	-	44.66	NoLiq	0.00	44.66
12.95	-	-	-	44.36	NoLiq	0.00	44.36
13.00	-	-	-	44.06	NoLiq	0.00	44.06
13.05	-	-	-	43.76	NoLiq	0.00	43.76
13.10	-	-	-	43.46	NoLiq	0.00	43.46
13.15	-	-	-	43.17	NoLiq	0.00	43.17
13.20	-	-	-	42.88	NoLiq	0.00	42.88
13.25	-	-	-	42.59	NoLiq	0.00	42.59
13.30	-	-	-	42.30	NoLiq	0.00	42.30
13.35	-	-	-	42.01	NoLiq	0.00	42.01
13.40	-	-	-	41.72	NoLiq	0.00	41.72
13.45	-	-	-	41.43	NoLiq	0.00	41.43
13.50	-	-	-	41.15	NoLiq	0.00	41.15
13.55	-	-	-	40.87	NoLiq	0.00	40.87
13.60	-	-	-	40.59	NoLiq	0.00	40.59
13.65	-	-	-	40.31	NoLiq	0.00	40.31
13.70	-	-	-	40.03	NoLiq	0.00	40.03
13.75	-	-	-	39.75	NoLiq	0.00	39.75
13.80	-	-	-	39.48	NoLiq	0.00	39.48
13.85	-	-	-	39.20	NoLiq	0.00	39.20
13.90	-	-	-	38.93	NoLiq	0.00	38.93
13.95	-	-	-	38.66	NoLiq	0.00	38.66
14.00	-	-	-	38.39	NoLiq	0.00	38.39
14.05	-	-	-	38.12	NoLiq	0.00	38.12
14.10	-	-	-	37.86	NoLiq	0.00	37.86
14.15	-	-	-	37.59	NoLiq	0.00	37.59
14.20	-	-	-	37.33	NoLiq	0.00	37.33
14.25	-	-	-	37.06	NoLiq	0.00	37.06
14.30	-	-	-	36.80	NoLiq	0.00	36.80
14.35	-	-	-	36.54	NoLiq	0.00	36.54
14.40	-	-	-	36.28	NoLiq	0.00	36.28
14.45	-	-	-	36.02	NoLiq	0.00	36.02
14.50	-	-	-	35.77	NoLiq	0.00	35.77
14.55	-	-	-	35.51	NoLiq	0.00	35.51
14.60	-	-	-	35.26	NoLiq	0.00	35.26
14.65	-	-	-	35.00	NoLiq	0.00	35.00
14.70	-	-	-	34.75	NoLiq	0.00	34.75
14.75	-	-	-	34.50	NoLiq	0.00	34.50
14.80	-	-	-	37.69	NoLiq	0.00	37.69
14.85	-	-	-	37.41	NoLiq	0.00	37.41
14.90	-	-	-	37.14	NoLiq	0.00	37.14
14.95	-	-	-	36.86	NoLiq	0.00	36.86
15.00	-	-	-	36.59	NoLiq	0.00	36.59
15.05	-	-	-	36.31	NoLiq	0.00	36.31
15.10	-	-	-	36.04	NoLiq	0.00	36.04
15.15	-	-	-	35.77	NoLiq	0.00	35.77
15.20	-	-	-	35.50	NoLiq	0.00	35.50
15.25	-	-	-	35.23	NoLiq	0.00	35.23
15.30	-	-	-	34.97	NoLiq	0.00	34.97
15.35	-	-	-	34.70	NoLiq	0.00	34.70
15.40	-	-	-	34.44	NoLiq	0.00	34.44
15.45	-	-	-	34.17	NoLiq	0.00	34.17
15.50	-	-	-	33.91	NoLiq	0.00	33.91
15.55	-	-	-	33.65	NoLiq	0.00	33.65
15.60	-	-	-	33.39	NoLiq	0.00	33.39
15.65	-	-	-	33.13	NoLiq	0.00	33.13
15.70	-	-	-	32.87	NoLiq	0.00	32.87
15.75	-	-	-	32.61	NoLiq	0.00	32.61
15.80	-	-	-	32.36	NoLiq	0.00	32.36
15.85	-	-	-	32.10	NoLiq	0.00	32.10
15.90	-	-	-	31.85	NoLiq	0.00	31.85
15.95	-	-	-	31.60	NoLiq	0.00	31.60

16.00	-	-	-	31.35	NoLiq	0.00	31.35
16.05	-	-	-	31.09	NoLiq	0.00	31.09
16.10	-	-	-	30.85	NoLiq	0.00	30.85
16.15	-	-	-	30.60	NoLiq	0.00	30.60
16.20	-	-	-	30.35	NoLiq	0.00	30.35
16.25	-	-	-	30.10	NoLiq	0.00	30.10
16.30	-	-	-	29.86	NoLiq	0.00	29.86
16.35	-	-	-	29.61	NoLiq	0.00	29.61
16.40	-	-	-	29.37	NoLiq	0.00	29.37
16.45	-	-	-	29.13	NoLiq	0.00	29.13
16.50	-	-	-	28.88	NoLiq	0.00	28.88
16.55	-	-	-	28.64	NoLiq	0.00	28.64
16.60	-	-	-	28.40	NoLiq	0.00	28.40
16.65	-	-	-	28.16	NoLiq	0.00	28.16
16.70	-	-	-	27.92	NoLiq	0.00	27.92
16.75	-	-	-	27.69	NoLiq	0.00	27.69
16.80	-	-	-	27.45	NoLiq	0.00	27.45
16.85	-	-	-	27.22	NoLiq	0.00	27.22
16.90	-	-	-	26.98	NoLiq	0.00	26.98
16.95	-	-	-	26.75	NoLiq	0.00	26.75
17.00	-	-	-	26.51	NoLiq	0.00	26.51
17.05	-	-	-	26.30	NoLiq	0.00	26.30
17.10	-	-	-	26.09	NoLiq	0.00	26.09
17.15	-	-	-	25.88	NoLiq	0.00	25.88
17.20	-	-	-	25.66	NoLiq	0.00	25.66
17.25	-	-	-	25.45	NoLiq	0.00	25.45
17.30	-	-	-	25.24	NoLiq	0.00	25.24
17.35	-	-	-	25.03	NoLiq	0.00	25.03
17.40	-	-	-	24.82	NoLiq	0.00	24.82
17.45	-	-	-	24.61	NoLiq	0.00	24.61
17.50	-	-	-	24.40	NoLiq	0.00	24.40
17.55	-	-	-	24.38	NoLiq	0.00	24.38
17.60	-	-	-	24.37	NoLiq	0.00	24.37
17.65	-	-	-	24.35	NoLiq	0.00	24.35
17.70	-	-	-	24.34	NoLiq	0.00	24.34
17.75	-	-	-	24.32	NoLiq	0.00	24.32
17.80	-	-	-	24.31	NoLiq	0.00	24.31
17.85	-	-	-	24.29	NoLiq	0.00	24.29
17.90	-	-	-	24.27	NoLiq	0.00	24.27
17.95	-	-	-	24.26	NoLiq	0.00	24.26
18.00	-	-	-	24.24	NoLiq	0.00	24.24
18.05	-	-	-	24.23	NoLiq	0.00	24.23
18.10	-	-	-	24.21	NoLiq	0.00	24.21
18.15	-	-	-	24.20	NoLiq	0.00	24.20
18.20	-	-	-	24.18	NoLiq	0.00	24.18
18.25	-	-	-	24.17	NoLiq	0.00	24.17
18.30	-	-	-	24.15	NoLiq	0.00	24.15
18.35	-	-	-	24.14	NoLiq	0.00	24.14
18.40	-	-	-	24.12	NoLiq	0.00	24.12
18.45	-	-	-	24.11	NoLiq	0.00	24.11
18.50	-	-	-	24.09	NoLiq	0.00	24.09
18.55	-	-	-	24.08	NoLiq	0.00	24.08
18.60	-	-	-	24.06	NoLiq	0.00	24.06
18.65	-	-	-	24.04	NoLiq	0.00	24.04
18.70	-	-	-	24.03	NoLiq	0.00	24.03
18.75	-	-	-	24.01	NoLiq	0.00	24.01
18.80	-	-	-	24.00	NoLiq	0.00	24.00
18.85	-	-	-	23.98	NoLiq	0.00	23.98
18.90	-	-	-	23.97	NoLiq	0.00	23.97
18.95	-	-	-	23.96	NoLiq	0.00	23.96
19.00	-	-	-	23.94	NoLiq	0.00	23.94
19.05	-	-	-	23.93	NoLiq	0.00	23.93
19.10	-	-	-	23.91	NoLiq	0.00	23.91
19.15	-	-	-	23.90	NoLiq	0.00	23.90
19.20	-	-	-	23.88	NoLiq	0.00	23.88
19.25	-	-	-	23.87	NoLiq	0.00	23.87
19.30	-	-	-	23.85	NoLiq	0.00	23.85
19.35	-	-	-	23.84	NoLiq	0.00	23.84
19.40	-	-	-	23.82	NoLiq	0.00	23.82
19.45	-	-	-	23.81	NoLiq	0.00	23.81
19.50	-	-	-	23.79	NoLiq	0.00	23.79
19.55	-	-	-	23.78	NoLiq	0.00	23.78
19.60	-	-	-	23.76	NoLiq	0.00	23.76

19.65	-	-	-	23.75	NoLiq	0.00	23.75
19.70	-	-	-	23.74	NoLiq	0.00	23.74
19.75	-	-	-	23.72	NoLiq	0.00	23.72
19.80	-	-	-	23.71	NoLiq	0.00	23.71
19.85	-	-	-	23.69	NoLiq	0.00	23.69
19.90	-	-	-	23.68	NoLiq	0.00	23.68
19.95	-	-	-	23.66	NoLiq	0.00	23.66
20.00	-	-	-	23.65	NoLiq	0.00	23.65
20.05	-	-	-	23.64	NoLiq	0.00	23.64
20.10	-	-	-	23.62	NoLiq	0.00	23.62
20.15	-	-	-	23.61	NoLiq	0.00	23.61
20.20	-	-	-	23.59	NoLiq	0.00	23.59
20.25	-	-	-	23.58	NoLiq	0.00	23.58
20.30	-	-	-	23.56	NoLiq	0.00	23.56
20.35	-	-	-	23.55	NoLiq	0.00	23.55
20.40	-	-	-	23.54	NoLiq	0.00	23.54
20.45	-	-	-	23.52	NoLiq	0.00	23.52
20.50	-	-	-	23.51	NoLiq	0.00	23.51
20.55	-	-	-	23.49	NoLiq	0.00	23.49
20.60	-	-	-	23.48	NoLiq	0.00	23.48
20.65	-	-	-	23.47	NoLiq	0.00	23.47
20.70	-	-	-	23.45	NoLiq	0.00	23.45
20.75	-	-	-	23.44	NoLiq	0.00	23.44
20.80	-	-	-	23.43	NoLiq	0.00	23.43
20.85	-	-	-	23.41	NoLiq	0.00	23.41
20.90	-	-	-	23.40	NoLiq	0.00	23.40
20.95	-	-	-	23.38	NoLiq	0.00	23.38
21.00	-	-	-	23.37	NoLiq	0.00	23.37
21.05	-	-	-	23.36	NoLiq	0.00	23.36
21.10	-	-	-	23.34	NoLiq	0.00	23.34
21.15	-	-	-	23.33	NoLiq	0.00	23.33
21.20	-	-	-	23.32	NoLiq	0.00	23.32
21.25	-	-	-	23.30	NoLiq	0.00	23.30
21.30	-	-	-	23.29	NoLiq	0.00	23.29
21.35	-	-	-	23.27	NoLiq	0.00	23.27
21.40	-	-	-	23.26	NoLiq	0.00	23.26
21.45	-	-	-	23.25	NoLiq	0.00	23.25
21.50	-	-	-	23.23	NoLiq	0.00	23.23
21.55	-	-	-	23.22	NoLiq	0.00	23.22
21.60	-	-	-	23.21	NoLiq	0.00	23.21
21.65	-	-	-	23.19	NoLiq	0.00	23.19
21.70	-	-	-	23.18	NoLiq	0.00	23.18
21.75	-	-	-	23.17	NoLiq	0.00	23.17
21.80	-	-	-	23.15	NoLiq	0.00	23.15
21.85	-	-	-	23.14	NoLiq	0.00	23.14
21.90	-	-	-	23.13	NoLiq	0.00	23.13
21.95	-	-	-	23.11	NoLiq	0.00	23.11
22.00	-	-	-	23.10	NoLiq	0.00	23.10
22.05	-	-	-	23.09	NoLiq	0.00	23.09
22.10	-	-	-	23.07	NoLiq	0.00	23.07
22.15	-	-	-	23.06	NoLiq	0.00	23.06
22.20	-	-	-	23.05	NoLiq	0.00	23.05
22.25	-	-	-	23.04	NoLiq	0.00	23.04
22.30	-	-	-	23.02	NoLiq	0.00	23.02
22.35	-	-	-	23.01	NoLiq	0.00	23.01
22.40	-	-	-	23.00	NoLiq	0.00	23.00
22.45	-	-	-	22.98	NoLiq	0.00	22.98
22.50	-	-	-	22.97	NoLiq	0.00	22.97
22.55	-	-	-	22.98	NoLiq	0.00	22.98
22.60	-	-	-	22.99	NoLiq	0.00	22.99
22.65	-	-	-	23.00	NoLiq	0.00	23.00
22.70	-	-	-	23.01	NoLiq	0.00	23.01
22.75	-	-	-	23.02	NoLiq	0.00	23.02
22.80	-	-	-	23.03	NoLiq	0.00	23.03
22.85	-	-	-	23.04	NoLiq	0.00	23.04
22.90	-	-	-	23.05	NoLiq	0.00	23.05
22.95	-	-	-	23.06	NoLiq	0.00	23.06
23.00	-	-	-	23.07	NoLiq	0.00	23.07
23.05	-	-	-	23.07	NoLiq	0.00	23.07
23.10	-	-	-	23.08	NoLiq	0.00	23.08
23.15	-	-	-	23.09	NoLiq	0.00	23.09
23.20	-	-	-	23.10	NoLiq	0.00	23.10
23.25	-	-	-	23.11	NoLiq	0.00	23.11

23.30	-	-	-	23.12	NoLiq	0.00	23.12
23.35	-	-	-	23.13	NoLiq	0.00	23.13
23.40	-	-	-	23.14	NoLiq	0.00	23.14
23.45	-	-	-	23.15	NoLiq	0.00	23.15
23.50	-	-	-	23.16	NoLiq	0.00	23.16
23.55	-	-	-	23.17	NoLiq	0.00	23.17
23.60	-	-	-	23.18	NoLiq	0.00	23.18
23.65	-	-	-	23.19	NoLiq	0.00	23.19
23.70	-	-	-	23.20	NoLiq	0.00	23.20
23.75	-	-	-	23.21	NoLiq	0.00	23.21
23.80	-	-	-	23.22	NoLiq	0.00	23.22
23.85	-	-	-	23.23	NoLiq	0.00	23.23
23.90	-	-	-	23.23	NoLiq	0.00	23.23
23.95	-	-	-	23.24	NoLiq	0.00	23.24
24.00	-	-	-	23.25	NoLiq	0.00	23.25
24.05	-	-	-	23.26	NoLiq	0.00	23.26
24.10	-	-	-	23.27	NoLiq	0.00	23.27
24.15	-	-	-	23.28	NoLiq	0.00	23.28
24.20	-	-	-	23.29	NoLiq	0.00	23.29
24.25	-	-	-	23.30	NoLiq	0.00	23.30
24.30	-	-	-	23.31	NoLiq	0.00	23.31
24.35	-	-	-	23.32	NoLiq	0.00	23.32
24.40	-	-	-	23.33	NoLiq	0.00	23.33
24.45	-	-	-	23.34	NoLiq	0.00	23.34
24.50	-	-	-	23.35	NoLiq	0.00	23.35
24.55	-	-	-	23.36	NoLiq	0.00	23.36
24.60	-	-	-	23.37	NoLiq	0.00	23.37
24.65	-	-	-	23.38	NoLiq	0.00	23.38
24.70	-	-	-	23.38	NoLiq	0.00	23.38
24.75	-	-	-	23.39	NoLiq	0.00	23.39
24.80	-	-	-	23.40	NoLiq	0.00	23.40
24.85	-	-	-	23.41	NoLiq	0.00	23.41
24.90	-	-	-	23.42	NoLiq	0.00	23.42
24.95	-	-	-	23.43	NoLiq	0.00	23.43
25.00	-	-	-	23.44	NoLiq	0.00	23.44
25.05	-	-	-	23.45	NoLiq	0.00	23.45
25.10	-	-	-	23.46	NoLiq	0.00	23.46
25.15	-	-	-	23.47	NoLiq	0.00	23.47
25.20	-	-	-	23.48	NoLiq	0.00	23.48
25.25	-	-	-	23.49	NoLiq	0.00	23.49
25.30	-	-	-	23.50	NoLiq	0.00	23.50
25.35	-	-	-	23.51	NoLiq	0.00	23.51
25.40	-	-	-	23.52	NoLiq	0.00	23.52
25.45	-	-	-	23.52	NoLiq	0.00	23.52
25.50	-	-	-	23.53	NoLiq	0.00	23.53
25.55	-	-	-	23.54	NoLiq	0.00	23.54
25.60	-	-	-	23.55	NoLiq	0.00	23.55
25.65	-	-	-	23.56	NoLiq	0.00	23.56
25.70	-	-	-	23.57	NoLiq	0.00	23.57
25.75	-	-	-	23.58	NoLiq	0.00	23.58
25.80	-	-	-	23.59	NoLiq	0.00	23.59
25.85	-	-	-	23.60	NoLiq	0.00	23.60
25.90	-	-	-	23.61	NoLiq	0.00	23.61
25.95	-	-	-	23.62	NoLiq	0.00	23.62
26.00	-	-	-	23.63	NoLiq	0.00	23.63
26.05	-	-	-	23.64	NoLiq	0.00	23.64
26.10	-	-	-	23.65	NoLiq	0.00	23.65
26.15	-	-	-	23.65	NoLiq	0.00	23.65
26.20	-	-	-	23.66	NoLiq	0.00	23.66
26.25	-	-	-	23.67	NoLiq	0.00	23.67
26.30	-	-	-	23.68	NoLiq	0.00	23.68
26.35	-	-	-	23.69	NoLiq	0.00	23.69
26.40	-	-	-	23.70	NoLiq	0.00	23.70
26.45	-	-	-	23.71	NoLiq	0.00	23.71
26.50	-	-	-	23.72	NoLiq	0.00	23.72
26.55	-	-	-	23.73	NoLiq	0.00	23.73
26.60	-	-	-	23.74	NoLiq	0.00	23.74
26.65	-	-	-	23.75	NoLiq	0.00	23.75
26.70	-	-	-	23.76	NoLiq	0.00	23.76
26.75	-	-	-	23.77	NoLiq	0.00	23.77
26.80	-	-	-	23.78	NoLiq	0.00	23.78
26.85	-	-	-	23.78	NoLiq	0.00	23.78
26.90	-	-	-	23.79	NoLiq	0.00	23.79

26.95	-	-	-	23.80	NoLiq	0.00	23.80
27.00	-	-	-	23.81	NoLiq	0.00	23.81
27.05	-	-	-	23.82	NoLiq	0.00	23.82
27.10	-	-	-	23.83	NoLiq	0.00	23.83
27.15	-	-	-	23.84	NoLiq	0.00	23.84
27.20	-	-	-	23.85	NoLiq	0.00	23.85
27.25	-	-	-	23.86	NoLiq	0.00	23.86
27.30	-	-	-	23.87	NoLiq	0.00	23.87
27.35	-	-	-	23.88	NoLiq	0.00	23.88
27.40	-	-	-	23.89	NoLiq	0.00	23.89
27.45	-	-	-	23.89	NoLiq	0.00	23.89
27.50	-	-	-	23.90	NoLiq	0.00	23.90
27.55	-	-	-	23.89	NoLiq	0.00	23.89
27.60	-	-	-	23.88	NoLiq	0.00	23.88
27.65	-	-	-	23.87	NoLiq	0.00	23.87
27.70	-	-	-	23.86	NoLiq	0.00	23.86
27.75	-	-	-	23.85	NoLiq	0.00	23.85
27.80	-	-	-	23.83	NoLiq	0.00	23.83
27.85	-	-	-	23.82	NoLiq	0.00	23.82
27.90	-	-	-	24.80	NoLiq	0.00	24.80
27.95	-	-	-	24.79	NoLiq	0.00	24.79
28.00	-	-	-	24.78	NoLiq	0.00	24.78
28.05	-	-	-	24.76	NoLiq	0.00	24.76
28.10	-	-	-	24.75	NoLiq	0.00	24.75
28.15	-	-	-	24.74	NoLiq	0.00	24.74
28.20	-	-	-	24.73	NoLiq	0.00	24.73
28.25	-	-	-	24.71	NoLiq	0.00	24.71
28.30	-	-	-	24.70	NoLiq	0.00	24.70
28.35	-	-	-	24.69	NoLiq	0.00	24.69
28.40	-	-	-	24.68	NoLiq	0.00	24.68
28.45	-	-	-	24.67	NoLiq	0.00	24.67
28.50	-	-	-	24.65	NoLiq	0.00	24.65
28.55	-	-	-	24.64	NoLiq	0.00	24.64
28.60	-	-	-	24.63	NoLiq	0.00	24.63
28.65	-	-	-	24.62	NoLiq	0.00	24.62
28.70	-	-	-	24.61	NoLiq	0.00	24.61
28.75	-	-	-	24.60	NoLiq	0.00	24.60
28.80	-	-	-	24.58	NoLiq	0.00	24.58
28.85	-	-	-	24.57	NoLiq	0.00	24.57
28.90	-	-	-	24.56	NoLiq	0.00	24.56
28.95	-	-	-	24.55	NoLiq	0.00	24.55
29.00	-	-	-	24.54	NoLiq	0.00	24.54
29.05	-	-	-	24.52	NoLiq	0.00	24.52
29.10	-	-	-	24.51	NoLiq	0.00	24.51
29.15	-	-	-	24.50	NoLiq	0.00	24.50
29.20	-	-	-	24.49	NoLiq	0.00	24.49
29.25	-	-	-	24.48	NoLiq	0.00	24.48
29.30	-	-	-	24.47	NoLiq	0.00	24.47
29.35	-	-	-	24.46	NoLiq	0.00	24.46
29.40	-	-	-	24.44	NoLiq	0.00	24.44
29.45	-	-	-	24.43	NoLiq	0.00	24.43
29.50	-	-	-	24.42	NoLiq	0.00	24.42
29.55	-	-	-	24.41	NoLiq	0.00	24.41
29.60	-	-	-	24.40	NoLiq	0.00	24.40
29.65	-	-	-	24.39	NoLiq	0.00	24.39
29.70	-	-	-	24.38	NoLiq	0.00	24.38
29.75	-	-	-	24.36	NoLiq	0.00	24.36
29.80	-	-	-	24.35	NoLiq	0.00	24.35
29.85	-	-	-	24.34	NoLiq	0.00	24.34
29.90	-	-	-	24.33	NoLiq	0.00	24.33
29.95	-	-	-	24.32	NoLiq	0.00	24.32
30.00	-	-	-	24.31	NoLiq	0.00	24.31
30.05	-	-	-	24.30	NoLiq	0.00	24.30
30.10	-	-	-	24.28	NoLiq	0.00	24.28
30.15	-	-	-	24.27	NoLiq	0.00	24.27
30.20	-	-	-	24.26	NoLiq	0.00	24.26
30.25	-	-	-	24.25	NoLiq	0.00	24.25
30.30	-	-	-	24.24	NoLiq	0.00	24.24
30.35	-	-	-	24.23	NoLiq	0.00	24.23
30.40	-	-	-	24.22	NoLiq	0.00	24.22
30.45	-	-	-	24.21	NoLiq	0.00	24.21
30.50	-	-	-	24.20	NoLiq	0.00	24.20
30.55	-	-	-	24.18	NoLiq	0.00	24.18

30.60	-	-	-	24.17	NoLiq	0.00	24.17
30.65	-	-	-	24.16	NoLiq	0.00	24.16
30.70	-	-	-	24.15	NoLiq	0.00	24.15
30.75	-	-	-	24.14	NoLiq	0.00	24.14
30.80	-	-	-	24.13	NoLiq	0.00	24.13
30.85	-	-	-	24.12	NoLiq	0.00	24.12
30.90	-	-	-	24.11	NoLiq	0.00	24.11
30.95	-	-	-	24.10	NoLiq	0.00	24.10
31.00	-	-	-	24.09	NoLiq	0.00	24.09
31.05	-	-	-	24.08	NoLiq	0.00	24.08
31.10	-	-	-	24.06	NoLiq	0.00	24.06
31.15	-	-	-	24.05	NoLiq	0.00	24.05
31.20	-	-	-	24.04	NoLiq	0.00	24.04
31.25	-	-	-	24.03	NoLiq	0.00	24.03
31.30	-	-	-	24.02	NoLiq	0.00	24.02
31.35	-	-	-	24.01	NoLiq	0.00	24.01
31.40	-	-	-	24.00	NoLiq	0.00	24.00
31.45	-	-	-	23.99	NoLiq	0.00	23.99
31.50	-	-	-	23.98	NoLiq	0.00	23.98
31.55	-	-	-	23.97	NoLiq	0.00	23.97
31.60	-	-	-	23.96	NoLiq	0.00	23.96
31.65	-	-	-	23.95	NoLiq	0.00	23.95
31.70	-	-	-	23.94	NoLiq	0.00	23.94
31.75	-	-	-	23.93	NoLiq	0.00	23.93
31.80	-	-	-	23.92	NoLiq	0.00	23.92
31.85	-	-	-	23.91	NoLiq	0.00	23.91
31.90	-	-	-	23.90	NoLiq	0.00	23.90
31.95	-	-	-	23.88	NoLiq	0.00	23.88
32.00	-	-	-	23.87	NoLiq	0.00	23.87
32.05	-	-	-	23.86	NoLiq	0.00	23.86
32.10	-	-	-	23.85	NoLiq	0.00	23.85
32.15	-	-	-	23.84	NoLiq	0.00	23.84
32.20	-	-	-	23.83	NoLiq	0.00	23.83
32.25	-	-	-	23.82	NoLiq	0.00	23.82
32.30	-	-	-	23.81	NoLiq	0.00	23.81
32.35	-	-	-	23.80	NoLiq	0.00	23.80
32.40	-	-	-	23.79	NoLiq	0.00	23.79
32.45	-	-	-	23.78	NoLiq	0.00	23.78
32.50	-	-	-	23.77	NoLiq	0.00	23.77
32.55	-	-	-	23.78	NoLiq	0.00	23.78
32.60	-	-	-	23.79	NoLiq	0.00	23.79
32.65	-	-	-	23.80	NoLiq	0.00	23.80
32.70	-	-	-	23.81	NoLiq	0.00	23.81
32.75	-	-	-	23.82	NoLiq	0.00	23.82
32.80	-	-	-	23.83	NoLiq	0.00	23.83
32.85	-	-	-	23.85	NoLiq	0.00	23.85
32.90	-	-	-	23.86	NoLiq	0.00	23.86
32.95	-	-	-	23.87	99.94	0.00	23.87
33.00	-	-	-	23.88	99.82	0.00	23.88
33.05	-	-	-	23.89	99.70	0.00	23.89
33.10	-	-	-	23.90	99.58	0.00	23.90
33.15	-	-	-	23.91	99.47	0.00	23.91
33.20	-	-	-	23.92	99.35	0.00	23.92
33.25	-	-	-	23.93	99.23	0.00	23.93
33.30	-	-	-	23.94	99.11	0.00	23.94
33.35	-	-	-	23.95	98.99	0.00	23.95
33.40	-	-	-	23.96	98.88	0.00	23.96
33.45	-	-	-	23.97	98.76	0.00	23.97
33.50	-	-	-	23.98	98.64	0.00	23.98
33.55	-	-	-	23.99	98.52	0.00	23.99
33.60	-	-	-	24.00	98.40	0.00	24.00
33.65	-	-	-	24.01	98.29	0.00	24.01
33.70	-	-	-	24.02	98.17	0.00	24.02
33.75	-	-	-	24.03	98.05	0.00	24.03
33.80	-	-	-	24.04	97.93	0.00	24.04
33.85	-	-	-	24.05	97.81	0.00	24.05
33.90	-	-	-	24.06	97.70	0.00	24.06
33.95	-	-	-	24.07	97.58	0.00	24.07
34.00	-	-	-	24.08	97.46	0.00	24.08
34.05	-	-	-	24.10	97.34	0.00	24.10
34.10	-	-	-	24.11	97.22	0.00	24.11
34.15	-	-	-	24.12	97.11	0.00	24.12
34.20	-	-	-	24.13	96.99	0.00	24.13

34.25	-	-	-	24.14	96.87	0.00	24.14
34.30	-	-	-	24.15	96.75	0.00	24.15
34.35	-	-	-	24.16	96.63	0.00	24.16
34.40	-	-	-	24.17	96.52	0.00	24.17
34.45	-	-	-	24.18	96.40	0.00	24.18
34.50	-	-	-	24.19	96.28	0.00	24.19
34.55	-	-	-	24.20	96.16	0.00	24.20
34.60	-	-	-	24.21	96.04	0.00	24.21
34.65	-	-	-	24.22	95.93	0.00	24.22
34.70	-	-	-	24.23	95.81	0.00	24.23
34.75	-	-	-	24.24	95.69	0.00	24.24
34.80	-	-	-	24.25	95.57	0.00	24.25
34.85	-	-	-	24.26	95.45	0.00	24.26
34.90	-	-	-	24.27	95.34	0.00	24.27
34.95	-	-	-	24.28	95.22	0.00	24.28
35.00	-	-	-	24.29	95.10	0.00	24.29
35.05	-	-	-	24.30	94.98	0.00	24.30
35.10	-	-	-	24.31	94.86	0.00	24.31
35.15	-	-	-	24.32	94.75	0.00	24.32
35.20	-	-	-	24.33	94.63	0.00	24.33
35.25	-	-	-	24.34	94.51	0.00	24.34
35.30	-	-	-	24.35	94.39	0.00	24.35
35.35	-	-	-	24.36	94.27	0.00	24.36
35.40	-	-	-	24.37	94.16	0.00	24.37
35.45	-	-	-	24.38	94.04	0.00	24.38
35.50	-	-	-	24.39	93.92	0.00	24.39
35.55	-	-	-	24.40	93.80	0.00	24.40
35.60	-	-	-	24.41	93.68	0.00	24.41
35.65	-	-	-	24.42	93.57	0.00	24.42
35.70	-	-	-	24.43	93.45	0.00	24.43
35.75	-	-	-	24.44	93.33	0.00	24.44
35.80	-	-	-	24.45	93.21	0.00	24.45
35.85	-	-	-	24.46	93.09	0.00	24.46
35.90	-	-	-	24.47	92.98	0.00	24.47
35.95	-	-	-	24.48	92.86	0.00	24.48
36.00	-	-	-	24.49	92.74	0.00	24.49
36.05	-	-	-	24.50	92.62	0.00	24.50
36.10	-	-	-	24.51	92.50	0.00	24.51
36.15	-	-	-	24.52	92.39	0.00	24.52
36.20	-	-	-	24.53	92.27	0.00	24.53
36.25	-	-	-	24.54	92.15	0.00	24.54
36.30	-	-	-	24.55	92.03	0.00	24.55
36.35	-	-	-	24.56	91.91	0.00	24.56
36.40	-	-	-	24.57	91.80	0.00	24.57
36.45	-	-	-	24.58	91.68	0.00	24.58
36.50	-	-	-	24.59	91.56	0.00	24.59
36.55	-	-	-	24.60	91.44	0.00	24.60
36.60	-	-	-	24.61	91.32	0.00	24.61
36.65	-	-	-	24.61	91.21	0.00	24.61
36.70	-	-	-	24.62	91.09	0.00	24.62
36.75	-	-	-	24.63	90.97	0.00	24.63
36.80	-	-	-	24.64	90.85	0.00	24.64
36.85	-	-	-	24.65	90.73	0.00	24.65
36.90	-	-	-	24.66	90.62	0.00	24.66
36.95	-	-	-	24.67	90.50	0.00	24.67
37.00	-	-	-	24.68	90.38	0.00	24.68
37.05	-	-	-	24.69	90.26	0.00	24.69
37.10	-	-	-	24.70	90.14	0.00	24.70
37.15	-	-	-	24.71	90.03	0.00	24.71
37.20	-	-	-	24.72	89.91	0.00	24.72
37.25	-	-	-	24.73	89.79	0.00	24.73
37.30	-	-	-	24.74	89.67	0.00	24.74
37.35	-	-	-	24.75	89.55	0.00	24.75
37.40	-	-	-	24.76	89.44	0.00	24.76
37.45	-	-	-	24.77	89.32	0.00	24.77
37.50	-	-	-	24.78	89.20	0.00	24.78
37.55	-	-	-	24.77	89.20	0.00	24.77
37.60	-	-	-	24.76	89.20	0.00	24.76
37.65	-	-	-	24.75	89.20	0.00	24.75
37.70	-	-	-	24.74	89.20	0.00	24.74
37.75	-	-	-	24.73	89.20	0.00	24.73
37.80	-	-	-	24.72	89.20	0.00	24.72
37.85	-	-	-	24.71	89.20	0.00	24.71

37.90	-	-	-	24.70	89.20	0.00	24.70
37.95	-	-	-	24.69	89.20	0.00	24.69
38.00	-	-	-	24.68	89.20	0.00	24.68
38.05	-	-	-	24.67	89.20	0.00	24.67
38.10	-	-	-	24.66	89.20	0.00	24.66
38.15	-	-	-	24.65	89.20	0.00	24.65
38.20	-	-	-	24.64	89.20	0.00	24.64
38.25	-	-	-	24.63	89.20	0.00	24.63
38.30	-	-	-	24.62	89.20	0.00	24.62
38.35	-	-	-	24.61	89.20	0.00	24.61
38.40	-	-	-	24.60	89.20	0.00	24.60
38.45	-	-	-	24.59	89.20	0.00	24.59
38.50	-	-	-	24.58	89.20	0.00	24.58
38.55	-	-	-	24.57	89.20	0.00	24.57
38.60	-	-	-	24.56	89.20	0.00	24.56
38.65	-	-	-	24.55	89.20	0.00	24.55
38.70	-	-	-	24.54	89.20	0.00	24.54
38.75	-	-	-	24.53	89.20	0.00	24.53
38.80	-	-	-	24.52	89.20	0.00	24.52
38.85	-	-	-	24.51	89.20	0.00	24.51
38.90	-	-	-	24.50	89.20	0.00	24.50
38.95	-	-	-	24.49	89.20	0.00	24.49
39.00	-	-	-	24.48	89.20	0.00	24.48
39.05	-	-	-	24.47	89.20	0.00	24.47
39.10	-	-	-	24.46	89.20	0.00	24.46
39.15	-	-	-	24.45	89.20	0.00	24.45
39.20	-	-	-	24.44	89.20	0.00	24.44
39.25	-	-	-	24.43	89.20	0.00	24.43
39.30	-	-	-	24.42	89.20	0.00	24.42
39.35	-	-	-	24.41	89.20	0.00	24.41
39.40	-	-	-	24.40	89.20	0.00	24.40
39.45	-	-	-	24.39	89.20	0.00	24.39
39.50	-	-	-	24.38	89.20	0.00	24.38
39.55	-	-	-	24.37	89.20	0.00	24.37
39.60	-	-	-	24.36	89.20	0.00	24.36
39.65	-	-	-	24.35	89.20	0.00	24.35
39.70	-	-	-	24.34	89.20	0.00	24.34
39.75	-	-	-	24.33	89.20	0.00	24.33
39.80	-	-	-	24.32	89.20	0.00	24.32
39.85	-	-	-	24.31	89.20	0.00	24.31
39.90	-	-	-	24.30	89.20	0.00	24.30
39.95	-	-	-	24.29	89.20	0.00	24.29
40.00	-	-	-	24.28	89.20	0.00	24.28
40.05	-	-	-	24.27	89.20	0.00	24.27
40.10	-	-	-	24.26	89.20	0.00	24.26
40.15	-	-	-	24.25	89.20	0.00	24.25
40.20	-	-	-	24.24	89.20	0.00	24.24
40.25	-	-	-	24.23	89.20	0.00	24.23
40.30	-	-	-	24.22	89.20	0.00	24.22
40.35	-	-	-	24.21	89.20	0.00	24.21
40.40	-	-	-	24.20	89.20	0.00	24.20
40.45	-	-	-	24.19	89.20	0.00	24.19
40.50	-	-	-	24.18	89.20	0.00	24.18
40.55	-	-	-	24.17	89.20	0.00	24.17
40.60	-	-	-	24.16	89.20	0.00	24.16
40.65	-	-	-	24.15	89.20	0.00	24.15
40.70	-	-	-	24.14	89.20	0.00	24.14
40.75	-	-	-	24.13	89.20	0.00	24.13
40.80	-	-	-	24.12	89.20	0.00	24.12
40.85	-	-	-	24.11	89.20	0.00	24.11
40.90	-	-	-	24.11	89.20	0.00	24.11
40.95	-	-	-	24.10	89.20	0.00	24.10
41.00	-	-	-	24.09	89.20	0.00	24.09
41.05	-	-	-	24.08	89.20	0.00	24.08
41.10	-	-	-	24.07	89.20	0.00	24.07
41.15	-	-	-	24.06	89.20	0.00	24.06
41.20	-	-	-	24.05	89.20	0.00	24.05
41.25	-	-	-	24.04	89.20	0.00	24.04
41.30	-	-	-	24.03	89.20	0.00	24.03
41.35	-	-	-	24.02	89.20	0.00	24.02
41.40	-	-	-	24.01	89.20	0.00	24.01
41.45	-	-	-	24.00	89.20	0.00	24.00
41.50	-	-	-	23.99	89.20	0.00	23.99

41.55	-	-	-	23.98	89.20	0.00	23.98
41.60	-	-	-	23.97	89.20	0.00	23.97
41.65	-	-	-	23.96	89.20	0.00	23.96
41.70	-	-	-	23.95	89.20	0.00	23.95
41.75	-	-	-	23.94	89.20	0.00	23.94
41.80	-	-	-	23.93	89.20	0.00	23.93
41.85	-	-	-	23.92	89.20	0.00	23.92
41.90	-	-	-	23.92	89.20	0.00	23.92
41.95	-	-	-	23.91	89.20	0.00	23.91
42.00	-	-	-	23.90	89.20	0.00	23.90
42.05	-	-	-	23.89	89.20	0.00	23.89
42.10	-	-	-	23.88	89.20	0.00	23.88
42.15	-	-	-	23.87	89.20	0.00	23.87
42.20	-	-	-	23.86	89.20	0.00	23.86
42.25	-	-	-	23.85	89.20	0.00	23.85
42.30	-	-	-	23.84	89.20	0.00	23.84
42.35	-	-	-	23.83	89.20	0.00	23.83
42.40	-	-	-	23.82	89.20	0.00	23.82
42.45	-	-	-	23.81	89.20	0.00	23.81
42.50	-	-	-	23.80	89.20	0.00	23.80
42.55	-	-	-	25.47	89.20	0.00	25.47
42.60	-	-	-	27.15	89.20	0.00	27.15
42.65	-	-	-	28.83	89.20	0.00	28.83
42.70	-	-	-	30.51	89.20	0.00	30.51
42.75	-	-	-	32.18	89.20	0.00	32.18
42.80	-	-	-	33.86	89.20	0.00	33.86
42.85	-	-	-	35.53	89.20	0.00	35.53
42.90	-	-	-	37.20	89.20	0.00	37.20
42.95	-	-	-	38.87	89.20	0.00	38.87
43.00	-	-	-	40.54	89.20	0.00	40.54
43.05	-	-	-	42.20	89.20	0.00	42.20
43.10	-	-	-	43.86	89.20	0.00	43.86
43.15	-	-	-	45.53	89.20	0.00	45.53
43.20	-	-	-	47.19	89.20	0.00	47.19
43.25	-	-	-	48.85	89.20	0.00	48.85
43.30	-	-	-	50.50	89.20	0.00	50.50
43.35	-	-	-	52.16	89.20	0.00	52.16
43.40	-	-	-	53.81	89.20	0.00	53.81
43.45	-	-	-	55.46	89.20	0.00	55.46
43.50	-	-	-	57.12	89.20	0.00	57.12
43.55	-	-	-	58.76	89.20	0.00	58.76
43.60	-	-	-	60.41	89.20	0.00	60.41
43.65	-	-	-	62.06	89.20	0.00	62.06
43.70	-	-	-	63.70	89.20	0.00	63.70
43.75	-	-	-	65.34	89.20	0.00	65.34
43.80	-	-	-	66.98	89.20	0.00	66.98
43.85	-	-	-	68.62	89.20	0.00	68.62
43.90	-	-	-	70.26	89.20	0.00	70.26
43.95	-	-	-	71.89	89.20	0.00	71.89
44.00	-	-	-	73.53	89.20	0.00	73.53
44.05	-	-	-	75.16	89.20	0.00	75.16
44.10	-	-	-	76.79	89.20	0.00	76.79
44.15	-	-	-	78.42	89.20	0.00	78.42
44.20	-	-	-	80.05	89.20	0.00	80.05
44.25	-	-	-	81.67	89.20	0.00	81.67
44.30	-	-	-	83.30	89.20	0.00	83.30
44.35	-	-	-	84.92	89.20	0.00	84.92
44.40	-	-	-	86.54	89.20	0.00	86.54
44.45	-	-	-	88.16	89.20	0.00	88.16
44.50	-	-	-	89.78	89.20	0.00	89.78
44.55	-	-	-	91.39	89.20	0.00	91.39
44.60	-	-	-	93.01	89.20	0.00	93.01
44.65	-	-	-	94.62	89.20	0.00	94.62
44.70	-	-	-	96.23	89.20	0.00	96.23
44.75	-	-	-	97.84	89.20	0.00	97.84
44.80	-	-	-	99.45	89.20	0.00	99.45
44.85	-	-	-	100.00	89.20	0.00	100.00
44.90	-	-	-	100.00	89.20	0.00	100.00
44.95	-	-	-	100.00	89.20	0.00	100.00
45.00	-	-	-	100.00	89.20	0.00	100.00
45.05	-	-	-	100.00	89.20	0.00	100.00
45.10	-	-	-	100.00	89.20	0.00	100.00
45.15	-	-	-	100.00	89.20	0.00	100.00

45.20	-	-	-	100.00	89.20	0.00	100.00
45.25	-	-	-	100.00	89.20	0.00	100.00
45.30	-	-	-	100.00	89.20	0.00	100.00
45.35	-	-	-	100.00	89.20	0.00	100.00
45.40	-	-	-	100.00	89.20	0.00	100.00
45.45	-	-	-	100.00	89.20	0.00	100.00
45.50	-	-	-	100.00	89.20	0.00	100.00
45.55	-	-	-	100.00	89.20	0.00	100.00
45.60	-	-	-	100.00	89.20	0.00	100.00
45.65	-	-	-	100.00	89.20	0.00	100.00
45.70	-	-	-	100.00	89.20	0.00	100.00
45.75	-	-	-	100.00	89.20	0.00	100.00
45.80	-	-	-	100.00	89.20	0.00	100.00
45.85	-	-	-	100.00	89.20	0.00	100.00
45.90	-	-	-	100.00	89.20	0.00	100.00
45.95	-	-	-	100.00	89.20	0.00	100.00
46.00	-	-	-	100.00	89.20	0.00	100.00
46.05	-	-	-	100.00	89.20	0.00	100.00
46.10	-	-	-	100.00	89.20	0.00	100.00
46.15	-	-	-	100.00	89.20	0.00	100.00
46.20	-	-	-	100.00	89.20	0.00	100.00
46.25	-	-	-	100.00	89.20	0.00	100.00
46.30	-	-	-	100.00	89.20	0.00	100.00
46.35	-	-	-	100.00	89.20	0.00	100.00
46.40	-	-	-	100.00	89.20	0.00	100.00
46.45	-	-	-	100.00	89.20	0.00	100.00
46.50	-	-	-	100.00	89.20	0.00	100.00
46.55	-	-	-	100.00	89.20	0.00	100.00
46.60	-	-	-	100.00	89.20	0.00	100.00
46.65	-	-	-	100.00	89.20	0.00	100.00
46.70	-	-	-	100.00	89.20	0.00	100.00
46.75	-	-	-	100.00	89.20	0.00	100.00
46.80	-	-	-	100.00	89.20	0.00	100.00
46.85	-	-	-	100.00	89.20	0.00	100.00
46.90	-	-	-	100.00	89.20	0.00	100.00
46.95	-	-	-	100.00	89.20	0.00	100.00
47.00	-	-	-	100.00	89.20	0.00	100.00
47.05	-	-	-	100.00	89.20	0.00	100.00
47.10	-	-	-	100.00	89.20	0.00	100.00
47.15	-	-	-	100.00	89.20	0.00	100.00
47.20	-	-	-	100.00	89.20	0.00	100.00
47.25	-	-	-	100.00	89.20	0.00	100.00
47.30	-	-	-	100.00	89.20	0.00	100.00
47.35	-	-	-	100.00	89.20	0.00	100.00
47.40	-	-	-	100.00	89.20	0.00	100.00
47.45	-	-	-	100.00	89.20	0.00	100.00
47.50	-	-	-	100.00	89.20	0.00	100.00
47.55	-	-	-	100.00	89.20	0.00	100.00
47.60	-	-	-	100.00	89.20	0.00	100.00
47.65	-	-	-	100.00	89.20	0.00	100.00
47.70	-	-	-	100.00	89.20	0.00	100.00
47.75	-	-	-	100.00	89.20	0.00	100.00
47.80	-	-	-	100.00	89.20	0.00	100.00
47.85	-	-	-	100.00	89.20	0.00	100.00
47.90	-	-	-	100.00	89.20	0.00	100.00
47.95	-	-	-	100.00	89.20	0.00	100.00
48.00	-	-	-	100.00	89.20	0.00	100.00
48.05	-	-	-	100.00	89.20	0.00	100.00
48.10	-	-	-	100.00	89.20	0.00	100.00
48.15	-	-	-	100.00	89.20	0.00	100.00
48.20	-	-	-	100.00	89.20	0.00	100.00
48.25	-	-	-	100.00	89.20	0.00	100.00
48.30	-	-	-	100.00	89.20	0.00	100.00
48.35	-	-	-	100.00	89.20	0.00	100.00
48.40	-	-	-	100.00	89.20	0.00	100.00
48.45	-	-	-	100.00	89.20	0.00	100.00
48.50	-	-	-	100.00	89.20	0.00	100.00
48.55	-	-	-	100.00	89.20	0.00	100.00
48.60	-	-	-	100.00	89.20	0.00	100.00
48.65	-	-	-	100.00	89.20	0.00	100.00
48.70	-	-	-	100.00	89.20	0.00	100.00
48.75	-	-	-	100.00	89.20	0.00	100.00
48.80	-	-	-	100.00	89.20	0.00	100.00

48.85	-	-	-	100.00	89.20	0.00	100.00
48.90	-	-	-	100.00	89.20	0.00	100.00
48.95	-	-	-	100.00	89.20	0.00	100.00
49.00	-	-	-	100.00	89.20	0.00	100.00
49.05	-	-	-	100.00	89.20	0.00	100.00
49.10	-	-	-	100.00	89.20	0.00	100.00
49.15	-	-	-	100.00	89.20	0.00	100.00
49.20	-	-	-	100.00	89.20	0.00	100.00
49.25	-	-	-	100.00	89.20	0.00	100.00
49.30	-	-	-	100.00	89.20	0.00	100.00
49.35	-	-	-	100.00	89.20	0.00	100.00
49.40	-	-	-	100.00	89.20	0.00	100.00
49.45	-	-	-	100.00	89.20	0.00	100.00
49.50	-	-	-	100.00	89.20	0.00	100.00
49.55	-	-	-	100.00	89.20	0.00	100.00
49.60	-	-	-	100.00	89.20	0.00	100.00
49.65	-	-	-	100.00	89.20	0.00	100.00
49.70	-	-	-	100.00	89.20	0.00	100.00
49.75	-	-	-	100.00	89.20	0.00	100.00
49.80	-	-	-	100.00	89.20	0.00	100.00
49.85	-	-	-	100.00	89.20	0.00	100.00
49.90	-	-	-	100.00	89.20	0.00	100.00
49.95	-	-	-	100.00	89.20	0.00	100.00
50.00	-	-	-	100.00	89.20	0.00	100.00
50.05	-	-	-	100.00	89.20	0.00	100.00
50.10	-	-	-	100.00	89.20	0.00	100.00
50.15	-	-	-	100.00	89.20	0.00	100.00
50.20	-	-	-	100.00	89.20	0.00	100.00
50.25	-	-	-	100.00	89.20	0.00	100.00
50.30	-	-	-	100.00	89.20	0.00	100.00
50.35	-	-	-	100.00	89.20	0.00	100.00
50.40	-	-	-	100.00	89.20	0.00	100.00
50.45	-	-	-	100.00	89.20	0.00	100.00
50.50	-	-	-	100.00	89.20	0.00	100.00
50.55	-	-	-	100.00	89.20	0.00	100.00
50.60	-	-	-	100.00	89.20	0.00	100.00
50.65	-	-	-	100.00	89.20	0.00	100.00
50.70	-	-	-	100.00	89.20	0.00	100.00
50.75	-	-	-	100.00	89.20	0.00	100.00
50.80	-	-	-	100.00	89.20	0.00	100.00
50.85	-	-	-	100.00	89.20	0.00	100.00
50.90	-	-	-	100.00	89.20	0.00	100.00
50.95	-	-	-	100.00	89.20	0.00	100.00
51.00	-	-	-	100.00	89.20	0.00	100.00
51.05	-	-	-	100.00	89.20	0.00	100.00
51.10	-	-	-	100.00	89.20	0.00	100.00
51.15	-	-	-	100.00	89.20	0.00	100.00
51.20	-	-	-	100.00	89.20	0.00	100.00
51.25	-	-	-	100.00	89.20	0.00	100.00
51.30	-	-	-	100.00	89.20	0.00	100.00
51.35	-	-	-	100.00	89.20	0.00	100.00
51.40	-	-	-	100.00	89.20	0.00	100.00
51.45	-	-	-	100.00	89.20	0.00	100.00
51.50	-	-	-	100.00	89.20	0.00	100.00
51.55	-	-	-	100.00	89.20	0.00	100.00
51.60	-	-	-	100.00	89.20	0.00	100.00
51.65	-	-	-	100.00	89.20	0.00	100.00
51.70	-	-	-	100.00	89.20	0.00	100.00
51.75	-	-	-	100.00	89.20	0.00	100.00
51.80	-	-	-	100.00	89.20	0.00	100.00
51.85	-	-	-	100.00	89.20	0.00	100.00
51.90	-	-	-	100.00	89.20	0.00	100.00
51.95	-	-	-	100.00	89.20	0.00	100.00
52.00	-	-	-	100.00	89.20	0.00	100.00
52.05	-	-	-	100.00	89.20	0.00	100.00
52.10	-	-	-	100.00	89.20	0.00	100.00
52.15	-	-	-	100.00	89.20	0.00	100.00
52.20	-	-	-	100.00	89.20	0.00	100.00
52.25	-	-	-	100.00	89.20	0.00	100.00
52.30	-	-	-	100.00	89.20	0.00	100.00
52.35	-	-	-	100.00	89.20	0.00	100.00
52.40	-	-	-	100.00	89.20	0.00	100.00
52.45	-	-	-	100.00	89.20	0.00	100.00

52.50	-	-	-	100.00	89.20	0.00	100.00
52.55	-	-	-	100.00	89.20	0.00	100.00
52.60	-	-	-	100.00	89.20	0.00	100.00
52.65	-	-	-	100.00	89.20	0.00	100.00
52.70	-	-	-	100.00	89.20	0.00	100.00
52.75	-	-	-	100.00	89.20	0.00	100.00
52.80	-	-	-	100.00	89.20	0.00	100.00
52.85	-	-	-	100.00	89.20	0.00	100.00
52.90	-	-	-	100.00	89.20	0.00	100.00
52.95	-	-	-	100.00	89.20	0.00	100.00
53.00	-	-	-	100.00	89.20	0.00	100.00
53.05	-	-	-	100.00	89.20	0.00	100.00
53.10	-	-	-	100.00	89.20	0.00	100.00
53.15	-	-	-	100.00	89.20	0.00	100.00
53.20	-	-	-	100.00	89.20	0.00	100.00
53.25	-	-	-	100.00	89.20	0.00	100.00
53.30	-	-	-	100.00	89.20	0.00	100.00
53.35	-	-	-	100.00	89.20	0.00	100.00
53.40	-	-	-	100.00	89.20	0.00	100.00
53.45	-	-	-	100.00	89.20	0.00	100.00
53.50	-	-	-	100.00	89.20	0.00	100.00
53.55	-	-	-	100.00	89.20	0.00	100.00
53.60	-	-	-	100.00	89.20	0.00	100.00
53.65	-	-	-	100.00	89.20	0.00	100.00
53.70	-	-	-	100.00	89.20	0.00	100.00
53.75	-	-	-	100.00	89.20	0.00	100.00
53.80	-	-	-	100.00	89.20	0.00	100.00
53.85	-	-	-	100.00	89.20	0.00	100.00
53.90	-	-	-	100.00	89.20	0.00	100.00
53.95	-	-	-	100.00	89.20	0.00	100.00
54.00	-	-	-	100.00	89.20	0.00	100.00
54.05	-	-	-	100.00	89.20	0.00	100.00
54.10	-	-	-	100.00	89.20	0.00	100.00
54.15	-	-	-	100.00	89.20	0.00	100.00
54.20	-	-	-	100.00	89.20	0.00	100.00
54.25	-	-	-	100.00	89.20	0.00	100.00
54.30	-	-	-	100.00	89.20	0.00	100.00
54.35	-	-	-	100.00	89.20	0.00	100.00
54.40	-	-	-	100.00	89.20	0.00	100.00
54.45	-	-	-	100.00	89.20	0.00	100.00
54.50	-	-	-	100.00	89.20	0.00	100.00
54.55	-	-	-	100.00	89.20	0.00	100.00
54.60	-	-	-	100.00	89.20	0.00	100.00
54.65	-	-	-	100.00	89.20	0.00	100.00
54.70	-	-	-	100.00	89.20	0.00	100.00
54.75	-	-	-	100.00	89.20	0.00	100.00
54.80	-	-	-	100.00	89.20	0.00	100.00
54.85	-	-	-	100.00	89.20	0.00	100.00
54.90	-	-	-	100.00	89.20	0.00	100.00
54.95	-	-	-	100.00	89.20	0.00	100.00
55.00	-	-	-	100.00	89.20	0.00	100.00
55.05	-	-	-	100.00	89.20	0.00	100.00
55.10	-	-	-	100.00	89.20	0.00	100.00
55.15	-	-	-	100.00	89.20	0.00	100.00
55.20	-	-	-	100.00	89.20	0.00	100.00
55.25	-	-	-	100.00	89.20	0.00	100.00
55.30	-	-	-	100.00	89.20	0.00	100.00
55.35	-	-	-	100.00	89.20	0.00	100.00
55.40	-	-	-	100.00	89.20	0.00	100.00
55.45	-	-	-	100.00	89.20	0.00	100.00
55.50	-	-	-	100.00	89.20	0.00	100.00
55.55	-	-	-	100.00	89.20	0.00	100.00
55.60	-	-	-	100.00	89.20	0.00	100.00
55.65	-	-	-	100.00	89.20	0.00	100.00
55.70	-	-	-	100.00	89.20	0.00	100.00
55.75	-	-	-	99.59	89.20	0.00	99.59
55.80	-	-	-	98.44	89.20	0.00	98.44
55.85	-	-	-	97.28	89.20	0.00	97.28
55.90	-	-	-	96.13	89.20	0.00	96.13
55.95	-	-	-	94.98	89.20	0.00	94.98
56.00	-	-	-	93.83	89.20	0.00	93.83
56.05	-	-	-	92.68	89.20	0.00	92.68
56.10	-	-	-	91.53	89.20	0.00	91.53

56.15	-	-	-	90.38	89.20	0.00	90.38
56.20	-	-	-	89.24	89.20	0.00	89.24
56.25	-	-	-	88.09	89.20	0.00	88.09
56.30	-	-	-	86.94	89.20	0.00	86.94
56.35	-	-	-	85.80	89.20	0.00	85.80
56.40	-	-	-	84.66	89.20	0.00	84.66
56.45	-	-	-	83.51	89.20	0.00	83.51
56.50	-	-	-	82.37	89.20	0.00	82.37
56.55	-	-	-	81.23	89.20	0.00	81.23
56.60	-	-	-	80.09	89.20	0.00	80.09
56.65	-	-	-	78.95	89.20	0.00	78.95
56.70	-	-	-	77.81	89.20	0.00	77.81
56.75	-	-	-	76.67	89.20	0.00	76.67
56.80	-	-	-	75.53	89.20	0.00	75.53
56.85	-	-	-	74.39	89.20	0.00	74.39
56.90	-	-	-	73.26	89.20	0.00	73.26
56.95	-	-	-	72.12	89.20	0.00	72.12
57.00	-	-	-	70.99	89.20	0.00	70.99
57.05	-	-	-	69.85	89.20	0.00	69.85
57.10	-	-	-	68.72	89.20	0.00	68.72
57.15	-	-	-	67.59	89.20	0.00	67.59
57.20	-	-	-	66.45	89.20	0.00	66.45
57.25	-	-	-	65.32	89.20	0.00	65.32
57.30	-	-	-	64.19	89.20	0.00	64.19
57.35	-	-	-	63.06	89.20	0.00	63.06
57.40	-	-	-	61.93	89.20	0.00	61.93
57.45	-	-	-	60.81	89.20	0.00	60.81
57.50	-	-	-	59.68	89.20	0.00	59.68
57.55	-	-	-	59.65	89.20	0.00	59.65
57.60	-	-	-	59.63	89.20	0.00	59.63
57.65	-	-	-	59.61	89.20	0.00	59.61
57.70	-	-	-	59.60	89.20	0.00	59.60
57.75	-	-	-	59.58	89.20	0.00	59.58
57.80	-	-	-	59.56	89.20	0.00	59.56
57.85	-	-	-	59.55	89.20	0.00	59.55
57.90	-	-	-	59.53	89.20	0.00	59.53
57.95	-	-	-	59.51	89.20	0.00	59.51
58.00	-	-	-	59.49	89.20	0.00	59.49
58.05	-	-	-	59.48	89.20	0.00	59.48
58.10	-	-	-	59.46	89.20	0.00	59.46
58.15	-	-	-	59.44	89.20	0.00	59.44
58.20	-	-	-	59.43	89.20	0.00	59.43
58.25	-	-	-	59.41	89.20	0.00	59.41
58.30	-	-	-	59.39	89.20	0.00	59.39
58.35	-	-	-	59.38	89.20	0.00	59.38
58.40	-	-	-	59.36	89.20	0.00	59.36
58.45	-	-	-	59.34	89.20	0.00	59.34
58.50	-	-	-	59.33	89.20	0.00	59.33
58.55	-	-	-	59.31	89.20	0.00	59.31
58.60	-	-	-	59.29	89.20	0.00	59.29
58.65	-	-	-	59.28	89.20	0.00	59.28
58.70	-	-	-	59.26	89.20	0.00	59.26
58.75	-	-	-	59.25	89.20	0.00	59.25
58.80	-	-	-	59.23	89.20	0.00	59.23
58.85	-	-	-	59.21	89.20	0.00	59.21
58.90	-	-	-	59.20	89.20	0.00	59.20
58.95	-	-	-	59.18	89.20	0.00	59.18
59.00	-	-	-	59.16	89.20	0.00	59.16
59.05	-	-	-	59.15	89.20	0.00	59.15
59.10	-	-	-	59.13	89.20	0.00	59.13
59.15	-	-	-	59.12	89.20	0.00	59.12
59.20	-	-	-	59.10	89.20	0.00	59.10
59.25	-	-	-	59.09	89.20	0.00	59.09
59.30	-	-	-	59.07	89.20	0.00	59.07
59.35	-	-	-	59.05	89.20	0.00	59.05
59.40	-	-	-	59.04	89.20	0.00	59.04
59.45	-	-	-	59.02	89.20	0.00	59.02
59.50	-	-	-	59.01	89.20	0.00	59.01
59.55	-	-	-	58.99	89.20	0.00	58.99
59.60	-	-	-	58.97	89.20	0.00	58.97
59.65	-	-	-	58.96	89.20	0.00	58.96
59.70	-	-	-	58.94	89.20	0.00	58.94
59.75	-	-	-	58.93	89.20	0.00	58.93

59.80	-	-	-	58.91	89.20	0.00	58.91
59.85	-	-	-	58.90	89.20	0.00	58.90
59.90	-	-	-	58.88	89.20	0.00	58.88
59.95	-	-	-	58.87	89.20	0.00	58.87
60.00	-	-	-	58.85	89.20	0.00	58.85
60.05	-	-	-	58.84	89.20	0.00	58.84
60.10	-	-	-	58.82	89.20	0.00	58.82
60.15	-	-	-	58.81	89.20	0.00	58.81
60.20	-	-	-	58.79	89.20	0.00	58.79
60.25	-	-	-	58.78	89.20	0.00	58.78
60.30	-	-	-	58.76	89.20	0.00	58.76
60.35	-	-	-	58.75	89.20	0.00	58.75
60.40	-	-	-	58.73	89.20	0.00	58.73
60.45	-	-	-	58.72	89.20	0.00	58.72
60.50	-	-	-	58.70	89.20	0.00	58.70
60.55	-	-	-	58.69	89.20	0.00	58.69
60.60	-	-	-	58.67	89.20	0.00	58.67
60.65	-	-	-	58.66	89.20	0.00	58.66
60.70	-	-	-	58.64	89.20	0.00	58.64
60.75	-	-	-	58.63	89.20	0.00	58.63
60.80	-	-	-	58.61	89.20	0.00	58.61
60.85	-	-	-	58.60	89.20	0.00	58.60
60.90	-	-	-	58.58	89.20	0.00	58.58
60.95	-	-	-	58.57	89.20	0.00	58.57
61.00	-	-	-	58.55	89.20	0.00	58.55
61.05	-	-	-	58.54	89.20	0.00	58.54
61.10	-	-	-	58.52	89.20	0.00	58.52
61.15	-	-	-	58.51	89.20	0.00	58.51
61.20	-	-	-	58.49	89.20	0.00	58.49
61.25	-	-	-	58.48	89.20	0.00	58.48
61.30	-	-	-	58.47	89.20	0.00	58.47
61.35	-	-	-	58.45	89.20	0.00	58.45
61.40	-	-	-	58.44	89.20	0.00	58.44
61.45	-	-	-	58.42	89.20	0.00	58.42
61.50	-	-	-	58.41	89.20	0.00	58.41
61.55	-	-	-	58.39	89.20	0.00	58.39
61.60	-	-	-	58.38	89.20	0.00	58.38
61.65	-	-	-	58.37	89.20	0.00	58.37
61.70	-	-	-	58.35	89.20	0.00	58.35
61.75	-	-	-	58.34	89.20	0.00	58.34
61.80	-	-	-	58.32	89.20	0.00	58.32
61.85	-	-	-	58.31	89.20	0.00	58.31
61.90	-	-	-	58.30	89.20	0.00	58.30
61.95	-	-	-	58.28	89.20	0.00	58.28
62.00	-	-	-	58.27	89.20	0.00	58.27
62.05	-	-	-	58.25	89.20	0.00	58.25
62.10	-	-	-	58.24	89.20	0.00	58.24
62.15	-	-	-	58.23	89.20	0.00	58.23
62.20	-	-	-	58.21	89.20	0.00	58.21
62.25	-	-	-	58.20	89.20	0.00	58.20
62.30	-	-	-	58.19	89.20	0.00	58.19
62.35	-	-	-	58.17	89.20	0.00	58.17
62.40	-	-	-	58.16	89.20	0.00	58.16
62.45	-	-	-	58.15	89.20	0.00	58.15
62.50	-	-	-	58.13	89.20	0.00	58.13
62.55	-	-	-	58.13	89.20	0.00	58.13
62.60	-	-	-	58.13	89.20	0.00	58.13
62.65	-	-	-	58.12	89.20	0.00	58.12
62.70	-	-	-	58.12	89.20	0.00	58.12
62.75	-	-	-	58.12	89.20	0.00	58.12
62.80	-	-	-	58.11	89.20	0.00	58.11
62.85	-	-	-	58.11	89.20	0.00	58.11
62.90	-	-	-	58.11	89.20	0.00	58.11
62.95	-	-	-	58.11	89.20	0.00	58.11
63.00	-	-	-	58.10	89.20	0.00	58.10
63.05	-	-	-	58.10	89.20	0.00	58.10
63.10	-	-	-	58.10	89.20	0.00	58.10
63.15	-	-	-	58.10	89.20	0.00	58.10
63.20	-	-	-	58.09	89.20	0.00	58.09
63.25	-	-	-	58.09	89.20	0.00	58.09
63.30	-	-	-	58.09	89.20	0.00	58.09
63.35	-	-	-	58.09	89.20	0.00	58.09
63.40	-	-	-	58.08	89.20	0.00	58.08

63.45	-	-	-	58.08	89.20	0.00	58.08
63.50	-	-	-	58.08	89.20	0.00	58.08
63.55	-	-	-	58.07	89.20	0.00	58.07
63.60	-	-	-	58.07	89.20	0.00	58.07
63.65	-	-	-	58.07	89.20	0.00	58.07
63.70	-	-	-	58.07	89.20	0.00	58.07
63.75	-	-	-	58.06	89.20	0.00	58.06
63.80	-	-	-	58.06	89.20	0.00	58.06
63.85	-	-	-	58.06	89.20	0.00	58.06
63.90	-	-	-	58.06	89.20	0.00	58.06
63.95	-	-	-	58.05	89.20	0.00	58.05
64.00	-	-	-	58.05	89.20	0.00	58.05
64.05	-	-	-	58.05	89.20	0.00	58.05
64.10	-	-	-	58.05	89.20	0.00	58.05
64.15	-	-	-	58.04	89.20	0.00	58.04
64.20	-	-	-	58.04	89.20	0.00	58.04
64.25	-	-	-	58.04	89.20	0.00	58.04
64.30	-	-	-	58.03	89.20	0.00	58.03
64.35	-	-	-	58.03	89.20	0.00	58.03
64.40	-	-	-	58.03	89.20	0.00	58.03
64.45	-	-	-	58.03	89.20	0.00	58.03
64.50	-	-	-	58.02	89.20	0.00	58.02
64.55	-	-	-	58.02	89.20	0.00	58.02
64.60	-	-	-	58.02	89.20	0.00	58.02
64.65	-	-	-	58.02	89.20	0.00	58.02
64.70	-	-	-	58.01	89.20	0.00	58.01
64.75	-	-	-	58.01	89.20	0.00	58.01
64.80	-	-	-	58.01	89.20	0.00	58.01
64.85	-	-	-	58.01	89.20	0.00	58.01
64.90	-	-	-	58.00	89.20	0.00	58.00
64.95	-	-	-	58.00	89.20	0.00	58.00
65.00	-	-	-	58.00	89.20	0.00	58.00
65.05	-	-	-	58.00	89.20	0.00	58.00
65.10	-	-	-	57.99	89.20	0.00	57.99
65.15	-	-	-	57.99	89.20	0.00	57.99
65.20	-	-	-	57.99	89.20	0.00	57.99
65.25	-	-	-	57.99	89.20	0.00	57.99
65.30	-	-	-	57.98	89.20	0.00	57.98
65.35	-	-	-	57.98	89.20	0.00	57.98
65.40	-	-	-	57.98	89.20	0.00	57.98
65.45	-	-	-	57.98	89.20	0.00	57.98
65.50	-	-	-	57.97	89.20	0.00	57.97
65.55	-	-	-	57.97	89.20	0.00	57.97
65.60	-	-	-	57.97	89.20	0.00	57.97
65.65	-	-	-	57.97	89.20	0.00	57.97
65.70	-	-	-	57.96	89.20	0.00	57.96
65.75	-	-	-	57.96	89.20	0.00	57.96
65.80	-	-	-	57.96	89.20	0.00	57.96
65.85	-	-	-	57.96	89.20	0.00	57.96
65.90	-	-	-	57.95	89.20	0.00	57.95
65.95	-	-	-	57.95	89.20	0.00	57.95
66.00	-	-	-	57.95	89.20	0.00	57.95
66.05	-	-	-	57.95	89.20	0.00	57.95
66.10	-	-	-	57.94	89.20	0.00	57.94
66.15	-	-	-	57.94	89.20	0.00	57.94
66.20	-	-	-	57.94	89.20	0.00	57.94
66.25	-	-	-	57.94	89.20	0.00	57.94
66.30	-	-	-	57.93	89.20	0.00	57.93
66.35	-	-	-	57.93	89.20	0.00	57.93
66.40	-	-	-	57.93	89.20	0.00	57.93
66.45	-	-	-	57.93	89.20	0.00	57.93
66.50	-	-	-	57.92	89.20	0.00	57.92
66.55	-	-	-	57.92	89.20	0.00	57.92
66.60	-	-	-	57.92	89.20	0.00	57.92
66.65	-	-	-	57.92	89.20	0.00	57.92
66.70	-	-	-	57.91	89.20	0.00	57.91
66.75	-	-	-	57.91	89.20	0.00	57.91
66.80	-	-	-	57.91	89.20	0.00	57.91
66.85	-	-	-	57.91	89.20	0.00	57.91
66.90	-	-	-	57.90	89.20	0.00	57.90
66.95	-	-	-	57.90	89.20	0.00	57.90
67.00	-	-	-	57.90	89.20	0.00	57.90
67.05	-	-	-	57.90	89.20	0.00	57.90

67.10	-	-	-	57.89	89.20	0.00	57.89
67.15	-	-	-	57.89	89.20	0.00	57.89
67.20	-	-	-	57.89	89.20	0.00	57.89
67.25	-	-	-	57.89	89.20	0.00	57.89
67.30	-	-	-	57.89	89.20	0.00	57.89
67.35	-	-	-	57.88	89.20	0.00	57.88
67.40	-	-	-	57.88	89.20	0.00	57.88
67.45	-	-	-	57.88	89.20	0.00	57.88
67.50	-	-	-	57.88	89.20	0.00	57.88
67.55	-	-	-	57.87	89.20	0.00	57.87
67.60	-	-	-	57.87	89.20	0.00	57.87
67.65	-	-	-	57.87	89.20	0.00	57.87
67.70	-	-	-	57.87	89.20	0.00	57.87
67.75	-	-	-	57.86	89.20	0.00	57.86
67.80	-	-	-	57.86	89.20	0.00	57.86
67.85	-	-	-	57.86	89.20	0.00	57.86
67.90	-	-	-	57.86	89.20	0.00	57.86
67.95	-	-	-	57.85	89.20	0.00	57.85
68.00	-	-	-	57.85	89.20	0.00	57.85
68.05	-	-	-	57.85	89.20	0.00	57.85
68.10	-	-	-	57.85	89.20	0.00	57.85
68.15	-	-	-	57.85	89.20	0.00	57.85
68.20	-	-	-	57.84	89.20	0.00	57.84
68.25	-	-	-	57.84	89.20	0.00	57.84
68.30	-	-	-	57.84	89.20	0.00	57.84
68.35	-	-	-	57.84	89.20	0.00	57.84
68.40	-	-	-	57.83	89.20	0.00	57.83
68.45	-	-	-	57.83	89.20	0.00	57.83
68.50	-	-	-	57.83	89.20	0.00	57.83
68.55	-	-	-	57.83	89.20	0.00	57.83
68.60	-	-	-	57.82	89.20	0.00	57.82
68.65	-	-	-	57.82	89.20	0.00	57.82
68.70	-	-	-	57.82	89.20	0.00	57.82
68.75	-	-	-	57.82	89.20	0.00	57.82
68.80	-	-	-	57.82	89.20	0.00	57.82
68.85	-	-	-	57.81	89.20	0.00	57.81
68.90	-	-	-	57.81	89.20	0.00	57.81
68.95	-	-	-	57.81	89.20	0.00	57.81
69.00	-	-	-	57.81	89.20	0.00	57.81
69.05	-	-	-	57.80	89.20	0.00	57.80
69.10	-	-	-	57.80	89.20	0.00	57.80
69.15	-	-	-	57.80	89.20	0.00	57.80
69.20	-	-	-	57.80	89.20	0.00	57.80
69.25	-	-	-	57.80	89.20	0.00	57.80
69.30	-	-	-	57.79	89.20	0.00	57.79
69.35	-	-	-	57.79	89.20	0.00	57.79
69.40	-	-	-	57.79	89.20	0.00	57.79
69.45	-	-	-	57.79	89.20	0.00	57.79
69.50	-	-	-	57.78	89.20	0.00	57.78
69.55	-	-	-	57.78	89.20	0.00	57.78
69.60	-	-	-	57.78	89.20	0.00	57.78
69.65	-	-	-	57.78	89.20	0.00	57.78
69.70	-	-	-	57.78	89.20	0.00	57.78
69.75	-	-	-	57.77	89.20	0.00	57.77
69.80	-	-	-	57.77	89.20	0.00	57.77
69.85	-	-	-	57.77	89.20	0.00	57.77
69.90	-	-	-	57.77	89.20	0.00	57.77
69.95	-	-	-	57.76	89.20	0.00	57.76
70.00	-	-	-	57.76	89.20	0.00	57.76

(N1)60s has been fines corrected in liquefaction analysis, therefore d(N1)60=0.
Fines=NoLiq means the soils are not liquefiable.

Settlement of Saturated Sands:
Settlement Analysis Method: Tokimatsu, M-correction

Depth ft	CSRsf	/ MSF*	=CSRm	F.S.	Fines %	(N1)60s	Dr %	ec %	dsz in.	dsp in.	S in.
69.95	0.66	1.30	0.50	0.93	89.20	57.76	100.00	0.000	0.0E0	0.000	0.000
69.90	0.66	1.30	0.51	0.92	89.20	57.77	100.00	0.000	0.0E0	0.000	0.000
69.85	0.66	1.30	0.51	0.92	89.20	57.77	100.00	0.000	0.0E0	0.000	0.000
69.80	0.66	1.30	0.51	0.92	89.20	57.77	100.00	0.000	0.0E0	0.000	0.000

69.75	0.66	1.30	0.51	0.92	89.20	57.77	100.00	0.000	0.0E0	0.000	0.000
69.70	0.66	1.30	0.51	0.92	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.65	0.66	1.30	0.51	0.92	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.60	0.66	1.30	0.51	0.92	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.55	0.66	1.30	0.51	0.92	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.50	0.66	1.30	0.51	0.92	89.20	57.78	100.00	0.000	0.0E0	0.000	0.000
69.45	0.66	1.30	0.51	0.92	89.20	57.79	100.00	0.000	0.0E0	0.000	0.000
69.40	0.66	1.30	0.51	0.92	89.20	57.79	100.00	0.000	0.0E0	0.000	0.000
69.35	0.66	1.30	0.51	0.92	89.20	57.79	100.00	0.000	0.0E0	0.000	0.000
69.30	0.66	1.30	0.51	0.92	89.20	57.79	100.00	0.000	0.0E0	0.000	0.000
69.25	0.66	1.30	0.51	0.92	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.20	0.66	1.30	0.51	0.92	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.15	0.66	1.30	0.51	0.92	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.10	0.66	1.30	0.51	0.92	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.05	0.66	1.30	0.51	0.92	89.20	57.80	100.00	0.000	0.0E0	0.000	0.000
69.00	0.66	1.30	0.51	0.92	89.20	57.81	100.00	0.000	0.0E0	0.000	0.000
68.95	0.66	1.30	0.51	0.92	89.20	57.81	100.00	0.000	0.0E0	0.000	0.000
68.90	0.66	1.30	0.51	0.92	89.20	57.81	100.00	0.000	0.0E0	0.000	0.000
68.85	0.66	1.30	0.51	0.91	89.20	57.81	100.00	0.000	0.0E0	0.000	0.000
68.80	0.67	1.30	0.51	0.91	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.75	0.67	1.30	0.51	0.91	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.70	0.67	1.30	0.51	0.91	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.65	0.67	1.30	0.51	0.91	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.60	0.67	1.30	0.51	0.91	89.20	57.82	100.00	0.000	0.0E0	0.000	0.000
68.55	0.67	1.30	0.51	0.91	89.20	57.83	100.00	0.000	0.0E0	0.000	0.000
68.50	0.67	1.30	0.51	0.91	89.20	57.83	100.00	0.000	0.0E0	0.000	0.000
68.45	0.67	1.30	0.51	0.91	89.20	57.83	100.00	0.000	0.0E0	0.000	0.000
68.40	0.67	1.30	0.51	0.91	89.20	57.83	100.00	0.000	0.0E0	0.000	0.000
68.35	0.67	1.30	0.51	0.91	89.20	57.84	100.00	0.000	0.0E0	0.000	0.000
68.30	0.67	1.30	0.51	0.91	89.20	57.84	100.00	0.000	0.0E0	0.000	0.000
68.25	0.67	1.30	0.52	0.91	89.20	57.84	100.00	0.000	0.0E0	0.000	0.000
68.20	0.67	1.30	0.52	0.91	89.20	57.84	100.00	0.000	0.0E0	0.000	0.000
68.15	0.67	1.30	0.52	0.91	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
68.10	0.67	1.30	0.52	0.91	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
68.05	0.67	1.30	0.52	0.91	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
68.00	0.67	1.30	0.52	0.91	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
67.95	0.67	1.30	0.52	0.91	89.20	57.85	100.00	0.000	0.0E0	0.000	0.000
67.90	0.67	1.30	0.52	0.91	89.20	57.86	100.00	0.000	0.0E0	0.000	0.000
67.85	0.67	1.30	0.52	0.91	89.20	57.86	100.00	0.000	0.0E0	0.000	0.000
67.80	0.67	1.30	0.52	0.91	89.20	57.86	100.00	0.000	0.0E0	0.000	0.000
67.75	0.67	1.30	0.52	0.90	89.20	57.86	100.00	0.000	0.0E0	0.000	0.000
67.70	0.67	1.30	0.52	0.90	89.20	57.87	100.00	0.000	0.0E0	0.000	0.000
67.65	0.67	1.30	0.52	0.90	89.20	57.87	100.00	0.000	0.0E0	0.000	0.000
67.60	0.67	1.30	0.52	0.90	89.20	57.87	100.00	0.000	0.0E0	0.000	0.000
67.55	0.68	1.30	0.52	0.90	89.20	57.87	100.00	0.000	0.0E0	0.000	0.000
67.50	0.68	1.30	0.52	0.90	89.20	57.88	100.00	0.000	0.0E0	0.000	0.000
67.45	0.68	1.30	0.52	0.90	89.20	57.88	100.00	0.000	0.0E0	0.000	0.000
67.40	0.68	1.30	0.52	0.90	89.20	57.88	100.00	0.000	0.0E0	0.000	0.000
67.35	0.68	1.30	0.52	0.90	89.20	57.88	100.00	0.000	0.0E0	0.000	0.000
67.30	0.68	1.30	0.52	0.90	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.25	0.68	1.30	0.52	0.90	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.20	0.68	1.30	0.52	0.90	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.15	0.68	1.30	0.52	0.90	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.10	0.68	1.30	0.52	0.90	89.20	57.89	100.00	0.000	0.0E0	0.000	0.000
67.05	0.68	1.30	0.52	0.90	89.20	57.90	100.00	0.000	0.0E0	0.000	0.000
67.00	0.68	1.30	0.52	0.90	89.20	57.90	100.00	0.000	0.0E0	0.000	0.000
66.95	0.68	1.30	0.52	0.90	89.20	57.90	100.00	0.000	0.0E0	0.000	0.000
66.90	0.68	1.30	0.52	0.90	89.20	57.90	100.00	0.000	0.0E0	0.000	0.000
66.85	0.68	1.30	0.52	0.90	89.20	57.91	100.00	0.000	0.0E0	0.000	0.000
66.80	0.68	1.30	0.52	0.90	89.20	57.91	100.00	0.000	0.0E0	0.000	0.000
66.75	0.68	1.30	0.52	0.90	89.20	57.91	100.00	0.000	0.0E0	0.000	0.000
66.70	0.68	1.30	0.52	0.90	89.20	57.91	100.00	0.000	0.0E0	0.000	0.000
66.65	0.68	1.30	0.53	0.90	89.20	57.92	100.00	0.000	0.0E0	0.000	0.000
66.60	0.68	1.30	0.53	0.89	89.20	57.92	100.00	0.000	0.0E0	0.000	0.000
66.55	0.68	1.30	0.53	0.89	89.20	57.92	100.00	0.000	0.0E0	0.000	0.000
66.50	0.68	1.30	0.53	0.89	89.20	57.92	100.00	0.000	0.0E0	0.000	0.000
66.45	0.68	1.30	0.53	0.89	89.20	57.93	100.00	0.000	0.0E0	0.000	0.000
66.40	0.68	1.30	0.53	0.89	89.20	57.93	100.00	0.000	0.0E0	0.000	0.000
66.35	0.68	1.30	0.53	0.89	89.20	57.93	100.00	0.000	0.0E0	0.000	0.000
66.30	0.68	1.30	0.53	0.89	89.20	57.93	100.00	0.000	0.0E0	0.000	0.000
66.25	0.69	1.30	0.53	0.89	89.20	57.94	100.00	0.000	0.0E0	0.000	0.000
66.20	0.69	1.30	0.53	0.89	89.20	57.94	100.00	0.000	0.0E0	0.000	0.000
66.15	0.69	1.30	0.53	0.89	89.20	57.94	100.00	0.000	0.0E0	0.000	0.000

66.10	0.69	1.30	0.53	0.89	89.20	57.94	100.00	0.000	0.0E0	0.000	0.000
66.05	0.69	1.30	0.53	0.89	89.20	57.95	100.00	0.000	0.0E0	0.000	0.000
66.00	0.69	1.30	0.53	0.89	89.20	57.95	100.00	0.000	0.0E0	0.000	0.000
65.95	0.69	1.30	0.53	0.89	89.20	57.95	100.00	0.000	0.0E0	0.000	0.000
65.90	0.69	1.30	0.53	0.89	89.20	57.95	100.00	0.000	0.0E0	0.000	0.000
65.85	0.69	1.30	0.53	0.89	89.20	57.96	100.00	0.000	0.0E0	0.000	0.000
65.80	0.69	1.30	0.53	0.89	89.20	57.96	100.00	0.000	0.0E0	0.000	0.000
65.75	0.69	1.30	0.53	0.89	89.20	57.96	100.00	0.000	0.0E0	0.000	0.000
65.70	0.69	1.30	0.53	0.89	89.20	57.96	100.00	0.000	0.0E0	0.000	0.000
65.65	0.69	1.30	0.53	0.89	89.20	57.97	100.00	0.000	0.0E0	0.000	0.000
65.60	0.69	1.30	0.53	0.89	89.20	57.97	100.00	0.000	0.0E0	0.000	0.000
65.55	0.69	1.30	0.53	0.89	89.20	57.97	100.00	0.000	0.0E0	0.000	0.000
65.50	0.69	1.30	0.53	0.89	89.20	57.97	100.00	0.000	0.0E0	0.000	0.000
65.45	0.69	1.30	0.53	0.89	89.20	57.98	100.00	0.000	0.0E0	0.000	0.000
65.40	0.69	1.30	0.53	0.88	89.20	57.98	100.00	0.000	0.0E0	0.000	0.000
65.35	0.69	1.30	0.53	0.88	89.20	57.98	100.00	0.000	0.0E0	0.000	0.000
65.30	0.69	1.30	0.53	0.88	89.20	57.98	100.00	0.000	0.0E0	0.000	0.000
65.25	0.69	1.30	0.53	0.88	89.20	57.99	100.00	0.000	0.0E0	0.000	0.000
65.20	0.69	1.30	0.53	0.88	89.20	57.99	100.00	0.000	0.0E0	0.000	0.000
65.15	0.69	1.30	0.53	0.88	89.20	57.99	100.00	0.000	0.0E0	0.000	0.000
65.10	0.69	1.30	0.53	0.88	89.20	57.99	100.00	0.000	0.0E0	0.000	0.000
65.05	0.69	1.30	0.53	0.88	89.20	58.00	100.00	0.000	0.0E0	0.000	0.000
65.00	0.70	1.30	0.54	0.88	89.20	58.00	100.00	0.000	0.0E0	0.000	0.000
64.95	0.70	1.30	0.54	0.88	89.20	58.00	100.00	0.000	0.0E0	0.000	0.000
64.90	0.70	1.30	0.54	0.88	89.20	58.00	100.00	0.000	0.0E0	0.000	0.000
64.85	0.70	1.30	0.54	0.88	89.20	58.01	100.00	0.000	0.0E0	0.000	0.000
64.80	0.70	1.30	0.54	0.88	89.20	58.01	100.00	0.000	0.0E0	0.000	0.000
64.75	0.70	1.30	0.54	0.88	89.20	58.01	100.00	0.000	0.0E0	0.000	0.000
64.70	0.70	1.30	0.54	0.88	89.20	58.01	100.00	0.000	0.0E0	0.000	0.000
64.65	0.70	1.30	0.54	0.88	89.20	58.02	100.00	0.000	0.0E0	0.000	0.000
64.60	0.70	1.30	0.54	0.88	89.20	58.02	100.00	0.000	0.0E0	0.000	0.000
64.55	0.70	1.30	0.54	0.88	89.20	58.02	100.00	0.000	0.0E0	0.000	0.000
64.50	0.70	1.30	0.54	0.88	89.20	58.02	100.00	0.000	0.0E0	0.000	0.000
64.45	0.70	1.30	0.54	0.88	89.20	58.03	100.00	0.000	0.0E0	0.000	0.000
64.40	0.70	1.30	0.54	0.88	89.20	58.03	100.00	0.000	0.0E0	0.000	0.000
64.35	0.70	1.30	0.54	0.88	89.20	58.03	100.00	0.000	0.0E0	0.000	0.000
64.30	0.70	1.30	0.54	0.88	89.20	58.03	100.00	0.000	0.0E0	0.000	0.000
64.25	0.70	1.30	0.54	0.88	89.20	58.04	100.00	0.000	0.0E0	0.000	0.000
64.20	0.70	1.30	0.54	0.88	89.20	58.04	100.00	0.000	0.0E0	0.000	0.000
64.15	0.70	1.30	0.54	0.87	89.20	58.04	100.00	0.000	0.0E0	0.000	0.000
64.10	0.70	1.30	0.54	0.87	89.20	58.05	100.00	0.000	0.0E0	0.000	0.000
64.05	0.70	1.30	0.54	0.87	89.20	58.05	100.00	0.000	0.0E0	0.000	0.000
64.00	0.70	1.30	0.54	0.87	89.20	58.05	100.00	0.000	0.0E0	0.000	0.000
63.95	0.70	1.30	0.54	0.87	89.20	58.05	100.00	0.000	0.0E0	0.000	0.000
63.90	0.70	1.30	0.54	0.87	89.20	58.06	100.00	0.000	0.0E0	0.000	0.000
63.85	0.70	1.30	0.54	0.87	89.20	58.06	100.00	0.000	0.0E0	0.000	0.000
63.80	0.70	1.30	0.54	0.87	89.20	58.06	100.00	0.000	0.0E0	0.000	0.000
63.75	0.70	1.30	0.54	0.87	89.20	58.06	100.00	0.000	0.0E0	0.000	0.000
63.70	0.71	1.30	0.54	0.87	89.20	58.07	100.00	0.000	0.0E0	0.000	0.000
63.65	0.71	1.30	0.54	0.87	89.20	58.07	100.00	0.000	0.0E0	0.000	0.000
63.60	0.71	1.30	0.54	0.87	89.20	58.07	100.00	0.000	0.0E0	0.000	0.000
63.55	0.71	1.30	0.54	0.87	89.20	58.07	100.00	0.000	0.0E0	0.000	0.000
63.50	0.71	1.30	0.54	0.87	89.20	58.08	100.00	0.000	0.0E0	0.000	0.000
63.45	0.71	1.30	0.54	0.87	89.20	58.08	100.00	0.000	0.0E0	0.000	0.000
63.40	0.71	1.30	0.54	0.87	89.20	58.08	100.00	0.000	0.0E0	0.000	0.000
63.35	0.71	1.30	0.54	0.87	89.20	58.09	100.00	0.000	0.0E0	0.000	0.000
63.30	0.71	1.30	0.55	0.87	89.20	58.09	100.00	0.000	0.0E0	0.000	0.000
63.25	0.71	1.30	0.55	0.87	89.20	58.09	100.00	0.000	0.0E0	0.000	0.000
63.20	0.71	1.30	0.55	0.87	89.20	58.09	100.00	0.000	0.0E0	0.000	0.000
63.15	0.71	1.30	0.55	0.87	89.20	58.10	100.00	0.000	0.0E0	0.000	0.000
63.10	0.71	1.30	0.55	0.87	89.20	58.10	100.00	0.000	0.0E0	0.000	0.000
63.05	0.71	1.30	0.55	0.87	89.20	58.10	100.00	0.000	0.0E0	0.000	0.000
63.00	0.71	1.30	0.55	0.87	89.20	58.10	100.00	0.000	0.0E0	0.000	0.000
62.95	0.71	1.30	0.55	0.87	89.20	58.11	100.00	0.000	0.0E0	0.000	0.000
62.90	0.71	1.30	0.55	0.87	89.20	58.11	100.00	0.000	0.0E0	0.000	0.000
62.85	0.71	1.30	0.55	0.86	89.20	58.11	100.00	0.000	0.0E0	0.000	0.000
62.80	0.71	1.30	0.55	0.86	89.20	58.11	100.00	0.000	0.0E0	0.000	0.000
62.75	0.71	1.30	0.55	0.86	89.20	58.12	100.00	0.000	0.0E0	0.000	0.000
62.70	0.71	1.30	0.55	0.86	89.20	58.12	100.00	0.000	0.0E0	0.000	0.000
62.65	0.71	1.30	0.55	0.86	89.20	58.12	100.00	0.000	0.0E0	0.000	0.000
62.60	0.71	1.30	0.55	0.86	89.20	58.13	100.00	0.000	0.0E0	0.000	0.000
62.55	0.71	1.30	0.55	0.86	89.20	58.13	100.00	0.000	0.0E0	0.000	0.000
62.50	0.71	1.30	0.55	0.86	89.20	58.13	100.00	0.000	0.0E0	0.000	0.000

62.45	0.72	1.30	0.55	0.86	89.20	58.15	100.00	0.000	0.0E0	0.000	0.000
62.40	0.72	1.30	0.55	0.86	89.20	58.16	100.00	0.000	0.0E0	0.000	0.000
62.35	0.72	1.30	0.55	0.86	89.20	58.17	100.00	0.000	0.0E0	0.000	0.000
62.30	0.72	1.30	0.55	0.86	89.20	58.19	100.00	0.000	0.0E0	0.000	0.000
62.25	0.72	1.30	0.55	0.86	89.20	58.20	100.00	0.000	0.0E0	0.000	0.000
62.20	0.72	1.30	0.55	0.86	89.20	58.21	100.00	0.000	0.0E0	0.000	0.000
62.15	0.72	1.30	0.55	0.86	89.20	58.23	100.00	0.000	0.0E0	0.000	0.000
62.10	0.72	1.30	0.55	0.86	89.20	58.24	100.00	0.000	0.0E0	0.000	0.000
62.05	0.72	1.30	0.55	0.86	89.20	58.25	100.00	0.000	0.0E0	0.000	0.000
62.00	0.72	1.30	0.55	0.86	89.20	58.27	100.00	0.000	0.0E0	0.000	0.000
61.95	0.72	1.30	0.55	0.86	89.20	58.28	100.00	0.000	0.0E0	0.000	0.000
61.90	0.72	1.30	0.55	0.86	89.20	58.30	100.00	0.000	0.0E0	0.000	0.000
61.85	0.72	1.30	0.55	0.86	89.20	58.31	100.00	0.000	0.0E0	0.000	0.000
61.80	0.72	1.30	0.55	0.86	89.20	58.32	100.00	0.000	0.0E0	0.000	0.000
61.75	0.72	1.30	0.55	0.86	89.20	58.34	100.00	0.000	0.0E0	0.000	0.000
61.70	0.72	1.30	0.55	0.86	89.20	58.35	100.00	0.000	0.0E0	0.000	0.000
61.65	0.72	1.30	0.56	0.86	89.20	58.37	100.00	0.000	0.0E0	0.000	0.000
61.60	0.72	1.30	0.56	0.86	89.20	58.38	100.00	0.000	0.0E0	0.000	0.000
61.55	0.72	1.30	0.56	0.85	89.20	58.39	100.00	0.000	0.0E0	0.000	0.000
61.50	0.72	1.30	0.56	0.85	89.20	58.41	100.00	0.000	0.0E0	0.000	0.000
61.45	0.72	1.30	0.56	0.85	89.20	58.42	100.00	0.000	0.0E0	0.000	0.000
61.40	0.72	1.30	0.56	0.85	89.20	58.44	100.00	0.000	0.0E0	0.000	0.000
61.35	0.72	1.30	0.56	0.85	89.20	58.45	100.00	0.000	0.0E0	0.000	0.000
61.30	0.72	1.30	0.56	0.85	89.20	58.47	100.00	0.000	0.0E0	0.000	0.000
61.25	0.72	1.30	0.56	0.85	89.20	58.48	100.00	0.000	0.0E0	0.000	0.000
61.20	0.72	1.30	0.56	0.85	89.20	58.49	100.00	0.000	0.0E0	0.000	0.000
61.15	0.73	1.30	0.56	0.85	89.20	58.51	100.00	0.000	0.0E0	0.000	0.000
61.10	0.73	1.30	0.56	0.85	89.20	58.52	100.00	0.000	0.0E0	0.000	0.000
61.05	0.73	1.30	0.56	0.85	89.20	58.54	100.00	0.000	0.0E0	0.000	0.000
61.00	0.73	1.30	0.56	0.85	89.20	58.55	100.00	0.000	0.0E0	0.000	0.000
60.95	0.73	1.30	0.56	0.85	89.20	58.57	100.00	0.000	0.0E0	0.000	0.000
60.90	0.73	1.30	0.56	0.85	89.20	58.58	100.00	0.000	0.0E0	0.000	0.000
60.85	0.73	1.30	0.56	0.85	89.20	58.60	100.00	0.000	0.0E0	0.000	0.000
60.80	0.73	1.30	0.56	0.85	89.20	58.61	100.00	0.000	0.0E0	0.000	0.000
60.75	0.73	1.30	0.56	0.85	89.20	58.63	100.00	0.000	0.0E0	0.000	0.000
60.70	0.73	1.30	0.56	0.85	89.20	58.64	100.00	0.000	0.0E0	0.000	0.000
60.65	0.73	1.30	0.56	0.85	89.20	58.66	100.00	0.000	0.0E0	0.000	0.000
60.60	0.73	1.30	0.56	0.85	89.20	58.67	100.00	0.000	0.0E0	0.000	0.000
60.55	0.73	1.30	0.56	0.85	89.20	58.69	100.00	0.000	0.0E0	0.000	0.000
60.50	0.73	1.30	0.56	0.85	89.20	58.70	100.00	0.000	0.0E0	0.000	0.000
60.45	0.73	1.30	0.56	0.85	89.20	58.72	100.00	0.000	0.0E0	0.000	0.000
60.40	0.73	1.30	0.56	0.85	89.20	58.73	100.00	0.000	0.0E0	0.000	0.000
60.35	0.73	1.30	0.56	0.85	89.20	58.75	100.00	0.000	0.0E0	0.000	0.000
60.30	0.73	1.30	0.56	0.85	89.20	58.76	100.00	0.000	0.0E0	0.000	0.000
60.25	0.73	1.30	0.56	0.85	89.20	58.78	100.00	0.000	0.0E0	0.000	0.000
60.20	0.73	1.30	0.56	0.84	89.20	58.79	100.00	0.000	0.0E0	0.000	0.000
60.15	0.73	1.30	0.56	0.84	89.20	58.81	100.00	0.000	0.0E0	0.000	0.000
60.10	0.73	1.30	0.56	0.84	89.20	58.82	100.00	0.000	0.0E0	0.000	0.000
60.05	0.73	1.30	0.56	0.84	89.20	58.84	100.00	0.000	0.0E0	0.000	0.000
60.00	0.73	1.30	0.57	0.84	89.20	58.85	100.00	0.000	0.0E0	0.000	0.000
59.95	0.73	1.30	0.57	0.84	89.20	58.87	100.00	0.000	0.0E0	0.000	0.000
59.90	0.74	1.30	0.57	0.84	89.20	58.88	100.00	0.000	0.0E0	0.000	0.000
59.85	0.74	1.30	0.57	0.84	89.20	58.90	100.00	0.000	0.0E0	0.000	0.000
59.80	0.74	1.30	0.57	0.84	89.20	58.91	100.00	0.000	0.0E0	0.000	0.000
59.75	0.74	1.30	0.57	0.84	89.20	58.93	100.00	0.000	0.0E0	0.000	0.000
59.70	0.74	1.30	0.57	0.84	89.20	58.94	100.00	0.000	0.0E0	0.000	0.000
59.65	0.74	1.30	0.57	0.84	89.20	58.96	100.00	0.000	0.0E0	0.000	0.000
59.60	0.74	1.30	0.57	0.84	89.20	58.97	100.00	0.000	0.0E0	0.000	0.000
59.55	0.74	1.30	0.57	0.84	89.20	58.99	100.00	0.000	0.0E0	0.000	0.000
59.50	0.74	1.30	0.57	0.84	89.20	59.01	100.00	0.000	0.0E0	0.000	0.000
59.45	0.74	1.30	0.57	0.84	89.20	59.02	100.00	0.000	0.0E0	0.000	0.000
59.40	0.74	1.30	0.57	0.84	89.20	59.04	100.00	0.000	0.0E0	0.000	0.000
59.35	0.74	1.30	0.57	0.84	89.20	59.05	100.00	0.000	0.0E0	0.000	0.000
59.30	0.74	1.30	0.57	0.84	89.20	59.07	100.00	0.000	0.0E0	0.000	0.000
59.25	0.74	1.30	0.57	0.84	89.20	59.09	100.00	0.000	0.0E0	0.000	0.000
59.20	0.74	1.30	0.57	0.84	89.20	59.10	100.00	0.000	0.0E0	0.000	0.000
59.15	0.74	1.30	0.57	0.84	89.20	59.12	100.00	0.000	0.0E0	0.000	0.000
59.10	0.74	1.30	0.57	0.84	89.20	59.13	100.00	0.000	0.0E0	0.000	0.000
59.05	0.74	1.30	0.57	0.84	89.20	59.15	100.00	0.000	0.0E0	0.000	0.000
59.00	0.74	1.30	0.57	0.84	89.20	59.16	100.00	0.000	0.0E0	0.000	0.000
58.95	0.74	1.30	0.57	0.84	89.20	59.18	100.00	0.000	0.0E0	0.000	0.000
58.90	0.74	1.30	0.57	0.84	89.20	59.20	100.00	0.000	0.0E0	0.000	0.000
58.85	0.74	1.30	0.57	0.84	89.20	59.21	100.00	0.000	0.0E0	0.000	0.000

58.80	0.74	1.30	0.57	0.83	89.20	59.23	100.00	0.000	0.0E0	0.000	0.000
58.75	0.74	1.30	0.57	0.83	89.20	59.25	100.00	0.000	0.0E0	0.000	0.000
58.70	0.74	1.30	0.57	0.83	89.20	59.26	100.00	0.000	0.0E0	0.000	0.000
58.65	0.75	1.30	0.57	0.83	89.20	59.28	100.00	0.000	0.0E0	0.000	0.000
58.60	0.75	1.30	0.57	0.83	89.20	59.29	100.00	0.000	0.0E0	0.000	0.000
58.55	0.75	1.30	0.57	0.83	89.20	59.31	100.00	0.000	0.0E0	0.000	0.000
58.50	0.75	1.30	0.57	0.83	89.20	59.33	100.00	0.000	0.0E0	0.000	0.000
58.45	0.75	1.30	0.57	0.83	89.20	59.34	100.00	0.000	0.0E0	0.000	0.000
58.40	0.75	1.30	0.58	0.83	89.20	59.36	100.00	0.000	0.0E0	0.000	0.000
58.35	0.75	1.30	0.58	0.83	89.20	59.38	100.00	0.000	0.0E0	0.000	0.000
58.30	0.75	1.30	0.58	0.83	89.20	59.39	100.00	0.000	0.0E0	0.000	0.000
58.25	0.75	1.30	0.58	0.83	89.20	59.41	100.00	0.000	0.0E0	0.000	0.000
58.20	0.75	1.30	0.58	0.83	89.20	59.43	100.00	0.000	0.0E0	0.000	0.000
58.15	0.75	1.30	0.58	0.83	89.20	59.44	100.00	0.000	0.0E0	0.000	0.000
58.10	0.75	1.30	0.58	0.83	89.20	59.46	100.00	0.000	0.0E0	0.000	0.000
58.05	0.75	1.30	0.58	0.83	89.20	59.48	100.00	0.000	0.0E0	0.000	0.000
58.00	0.75	1.30	0.58	0.83	89.20	59.49	100.00	0.000	0.0E0	0.000	0.000
57.95	0.75	1.30	0.58	0.83	89.20	59.51	100.00	0.000	0.0E0	0.000	0.000
57.90	0.75	1.30	0.58	0.83	89.20	59.53	100.00	0.000	0.0E0	0.000	0.000
57.85	0.75	1.30	0.58	0.83	89.20	59.55	100.00	0.000	0.0E0	0.000	0.000
57.80	0.75	1.30	0.58	0.83	89.20	59.56	100.00	0.000	0.0E0	0.000	0.000
57.75	0.75	1.30	0.58	0.83	89.20	59.58	100.00	0.000	0.0E0	0.000	0.000
57.70	0.75	1.30	0.58	0.83	89.20	59.60	100.00	0.000	0.0E0	0.000	0.000
57.65	0.75	1.30	0.58	0.83	89.20	59.61	100.00	0.000	0.0E0	0.000	0.000
57.60	0.75	1.30	0.58	0.83	89.20	59.63	100.00	0.000	0.0E0	0.000	0.000
57.55	0.75	1.30	0.58	0.83	89.20	59.65	100.00	0.000	0.0E0	0.000	0.000
57.50	0.76	1.30	0.58	0.83	89.20	59.68	100.00	0.000	0.0E0	0.000	0.000
57.45	0.76	1.30	0.58	0.82	89.20	60.81	100.00	0.000	0.0E0	0.000	0.000
57.40	0.76	1.30	0.58	0.82	89.20	61.93	100.00	0.000	0.0E0	0.000	0.000
57.35	0.76	1.30	0.58	0.82	89.20	63.06	100.00	0.000	0.0E0	0.000	0.000
57.30	0.76	1.30	0.58	0.82	89.20	64.19	100.00	0.000	0.0E0	0.000	0.000
57.25	0.76	1.30	0.58	0.82	89.20	65.32	100.00	0.000	0.0E0	0.000	0.000
57.20	0.76	1.30	0.58	0.82	89.20	66.45	100.00	0.000	0.0E0	0.000	0.000
57.15	0.76	1.30	0.58	0.82	89.20	67.59	100.00	0.000	0.0E0	0.000	0.000
57.10	0.76	1.30	0.58	0.82	89.20	68.72	100.00	0.000	0.0E0	0.000	0.000
57.05	0.76	1.30	0.58	0.82	89.20	69.85	100.00	0.000	0.0E0	0.000	0.000
57.00	0.76	1.30	0.58	0.82	89.20	70.99	100.00	0.000	0.0E0	0.000	0.000
56.95	0.76	1.30	0.58	0.82	89.20	72.12	100.00	0.000	0.0E0	0.000	0.000
56.90	0.76	1.30	0.59	0.82	89.20	73.26	100.00	0.000	0.0E0	0.000	0.000
56.85	0.76	1.30	0.59	0.82	89.20	74.39	100.00	0.000	0.0E0	0.000	0.000
56.80	0.76	1.30	0.59	0.82	89.20	75.53	100.00	0.000	0.0E0	0.000	0.000
56.75	0.76	1.30	0.59	0.82	89.20	76.67	100.00	0.000	0.0E0	0.000	0.000
56.70	0.76	1.30	0.59	0.82	89.20	77.81	100.00	0.000	0.0E0	0.000	0.000
56.65	0.76	1.30	0.59	0.82	89.20	78.95	100.00	0.000	0.0E0	0.000	0.000
56.60	0.76	1.30	0.59	0.82	89.20	80.09	100.00	0.000	0.0E0	0.000	0.000
56.55	0.76	1.30	0.59	0.82	89.20	81.23	100.00	0.000	0.0E0	0.000	0.000
56.50	0.76	1.30	0.59	0.82	89.20	82.37	100.00	0.000	0.0E0	0.000	0.000
56.45	0.76	1.30	0.59	0.82	89.20	83.51	100.00	0.000	0.0E0	0.000	0.000
56.40	0.76	1.30	0.59	0.82	89.20	84.66	100.00	0.000	0.0E0	0.000	0.000
56.35	0.76	1.30	0.59	0.82	89.20	85.80	100.00	0.000	0.0E0	0.000	0.000
56.30	0.77	1.30	0.59	0.82	89.20	86.94	100.00	0.000	0.0E0	0.000	0.000
56.25	0.77	1.30	0.59	0.82	89.20	88.09	100.00	0.000	0.0E0	0.000	0.000
56.20	0.77	1.30	0.59	0.82	89.20	89.24	100.00	0.000	0.0E0	0.000	0.000
56.15	0.77	1.30	0.59	0.82	89.20	90.38	100.00	0.000	0.0E0	0.000	0.000
56.10	0.77	1.30	0.59	0.82	89.20	91.53	100.00	0.000	0.0E0	0.000	0.000
56.05	0.77	1.30	0.59	0.81	89.20	92.68	100.00	0.000	0.0E0	0.000	0.000
56.00	0.77	1.30	0.59	0.81	89.20	93.83	100.00	0.000	0.0E0	0.000	0.000
55.95	0.77	1.30	0.59	0.81	89.20	94.98	100.00	0.000	0.0E0	0.000	0.000
55.90	0.77	1.30	0.59	0.81	89.20	96.13	100.00	0.000	0.0E0	0.000	0.000
55.85	0.77	1.30	0.59	0.81	89.20	97.28	100.00	0.000	0.0E0	0.000	0.000
55.80	0.77	1.30	0.59	0.81	89.20	98.44	100.00	0.000	0.0E0	0.000	0.000
55.75	0.77	1.30	0.59	0.81	89.20	99.59	100.00	0.000	0.0E0	0.000	0.000
55.70	0.77	1.30	0.59	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.65	0.77	1.30	0.59	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.60	0.77	1.30	0.59	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.55	0.77	1.30	0.59	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.50	0.77	1.30	0.59	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.45	0.77	1.30	0.59	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.40	0.77	1.30	0.59	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.35	0.77	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.30	0.77	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.25	0.77	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.20	0.77	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000

55.15	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.10	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.05	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
55.00	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.95	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.90	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.85	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.80	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.75	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.70	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.65	0.78	1.30	0.60	0.81	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.60	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.55	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.50	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.45	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.40	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.35	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.30	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.25	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.20	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.15	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.10	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.05	0.78	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
54.00	0.79	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.95	0.79	1.30	0.60	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.90	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.85	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.80	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.75	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.70	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.65	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.60	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.55	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.50	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.45	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.40	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.35	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.30	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.25	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.20	0.79	1.30	0.61	0.80	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.15	0.79	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.10	0.79	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.05	0.79	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
53.00	0.79	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.95	0.79	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.90	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.85	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.80	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.75	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.70	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.65	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.60	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.55	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.50	0.80	1.30	0.61	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.45	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.40	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.35	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.30	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.25	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.20	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.15	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.10	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.05	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
52.00	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.95	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.90	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.85	0.80	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.80	0.81	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.75	0.81	1.30	0.62	0.79	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.70	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.65	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.60	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.55	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000

51.50	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.45	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.40	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.35	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.30	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.25	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.20	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.15	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.10	0.81	1.30	0.62	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.05	0.81	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
51.00	0.81	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.95	0.81	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.90	0.81	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.85	0.81	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.80	0.81	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.75	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.70	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.65	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.60	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.55	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.50	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.45	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.40	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.35	0.82	1.30	0.63	0.78	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.30	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.25	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.20	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.15	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.10	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.05	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
50.00	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.95	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.90	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.85	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.80	0.82	1.30	0.63	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.75	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.70	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.65	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.60	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.55	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.50	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.45	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.40	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.35	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.30	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.25	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.20	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.15	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.10	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.05	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
49.00	0.83	1.30	0.64	0.77	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.95	0.83	1.30	0.64	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.90	0.83	1.30	0.64	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.85	0.84	1.30	0.64	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.80	0.84	1.30	0.64	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.75	0.84	1.30	0.64	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.70	0.84	1.30	0.64	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.65	0.84	1.30	0.64	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.60	0.84	1.30	0.64	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.55	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.50	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.45	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.40	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.35	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.30	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.25	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.20	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.15	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.10	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.05	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
48.00	0.84	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.95	0.85	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.90	0.85	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000

47.85	0.85	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.80	0.85	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.75	0.85	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.70	0.85	1.30	0.65	0.76	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.65	0.85	1.30	0.65	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.60	0.85	1.30	0.65	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.55	0.85	1.30	0.65	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.50	0.85	1.30	0.65	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.45	0.85	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.40	0.85	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.35	0.85	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.30	0.85	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.25	0.85	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.20	0.85	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.15	0.85	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.10	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.05	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
47.00	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.95	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.90	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.85	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.80	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.75	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.70	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.65	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.60	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.55	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.50	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.45	0.86	1.30	0.66	0.75	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.40	0.86	1.30	0.66	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.35	0.86	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.30	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.25	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.20	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.15	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.10	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.05	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
46.00	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.95	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.90	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.85	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.80	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.75	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.70	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.65	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.60	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.55	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.50	0.87	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.45	0.88	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.40	0.88	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.35	0.88	1.30	0.67	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.30	0.88	1.30	0.68	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.25	0.88	1.30	0.68	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.20	0.88	1.30	0.68	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.15	0.88	1.30	0.68	0.74	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.10	0.88	1.30	0.68	0.73	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.05	0.88	1.30	0.68	0.73	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
45.00	0.88	1.30	0.68	0.73	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
44.95	0.88	1.30	0.68	0.73	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
44.90	0.88	1.30	0.68	0.73	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
44.85	0.88	1.30	0.68	0.73	89.20	100.00	100.00	0.000	0.0E0	0.000	0.000
44.80	0.88	1.30	0.68	0.73	89.20	99.45	100.00	0.000	0.0E0	0.000	0.000
44.75	0.88	1.30	0.68	0.73	89.20	97.84	100.00	0.000	0.0E0	0.000	0.000
44.70	0.88	1.30	0.68	0.73	89.20	96.23	100.00	0.000	0.0E0	0.000	0.000
44.65	0.88	1.30	0.68	0.73	89.20	94.62	100.00	0.000	0.0E0	0.000	0.000
44.60	0.89	1.30	0.68	0.73	89.20	93.01	100.00	0.000	0.0E0	0.000	0.000
44.55	0.89	1.30	0.68	0.73	89.20	91.39	100.00	0.000	0.0E0	0.000	0.000
44.50	0.89	1.30	0.68	0.73	89.20	89.78	100.00	0.000	0.0E0	0.000	0.000
44.45	0.89	1.30	0.68	0.73	89.20	88.16	100.00	0.000	0.0E0	0.000	0.000
44.40	0.89	1.30	0.68	0.73	89.20	86.54	100.00	0.000	0.0E0	0.000	0.000
44.35	0.89	1.30	0.68	0.73	89.20	84.92	100.00	0.000	0.0E0	0.000	0.000
44.30	0.89	1.30	0.68	0.73	89.20	83.30	100.00	0.000	0.0E0	0.000	0.000
44.25	0.89	1.30	0.68	0.73	89.20	81.67	100.00	0.000	0.0E0	0.000	0.000

44.20	0.89	1.30	0.69	0.73	89.20	80.05	100.00	0.000	0.0E0	0.000	0.000
44.15	0.89	1.30	0.69	0.73	89.20	78.42	100.00	0.000	0.0E0	0.000	0.000
44.10	0.89	1.30	0.69	0.73	89.20	76.79	100.00	0.000	0.0E0	0.000	0.000
44.05	0.89	1.30	0.69	0.73	89.20	75.16	100.00	0.000	0.0E0	0.000	0.000
44.00	0.89	1.30	0.69	0.73	89.20	73.53	100.00	0.000	0.0E0	0.000	0.000
43.95	0.89	1.30	0.69	0.73	89.20	71.89	100.00	0.000	0.0E0	0.000	0.000
43.90	0.89	1.30	0.69	0.73	89.20	70.26	100.00	0.000	0.0E0	0.000	0.000
43.85	0.89	1.30	0.69	0.73	89.20	68.62	100.00	0.000	0.0E0	0.000	0.000
43.80	0.89	1.30	0.69	0.73	89.20	66.98	100.00	0.000	0.0E0	0.000	0.000
43.75	0.90	1.30	0.69	0.73	89.20	65.34	100.00	0.000	0.0E0	0.000	0.000
43.70	0.90	1.30	0.69	0.72	89.20	63.70	100.00	0.000	0.0E0	0.000	0.000
43.65	0.90	1.30	0.69	0.72	89.20	62.06	100.00	0.000	0.0E0	0.000	0.000
43.60	0.90	1.30	0.69	0.72	89.20	60.41	100.00	0.000	0.0E0	0.000	0.000
43.55	0.90	1.30	0.69	0.72	89.20	58.76	100.00	0.000	0.0E0	0.000	0.000
43.50	0.90	1.30	0.69	0.72	89.20	57.12	100.00	0.000	0.0E0	0.000	0.000
43.45	0.90	1.30	0.69	0.72	89.20	55.46	100.00	0.000	0.0E0	0.000	0.000
43.40	0.90	1.30	0.69	0.72	89.20	53.81	100.00	0.000	0.0E0	0.000	0.000
43.35	0.90	1.30	0.69	0.72	89.20	52.16	100.00	0.000	0.0E0	0.000	0.000
43.30	0.90	1.30	0.69	0.72	89.20	50.50	100.00	0.000	0.0E0	0.000	0.000
43.25	0.90	1.30	0.69	0.72	89.20	48.85	100.00	0.000	0.0E0	0.000	0.000
43.20	0.90	1.30	0.69	0.72	89.20	47.19	100.00	0.000	0.0E0	0.000	0.000
43.15	0.90	1.30	0.69	0.72	89.20	45.53	100.00	0.000	0.0E0	0.000	0.000
43.10	0.90	1.30	0.70	0.72	89.20	43.86	100.00	0.000	0.0E0	0.000	0.000
43.05	0.90	1.30	0.70	0.72	89.20	42.20	100.00	0.000	0.0E0	0.000	0.000
43.00	0.90	1.30	0.70	0.72	89.20	40.54	100.00	0.000	0.0E0	0.000	0.000
42.95	0.90	1.30	0.70	0.72	89.20	38.87	100.00	0.000	0.0E0	0.000	0.000
42.90	0.91	1.30	0.70	0.72	89.20	37.20	100.00	0.000	0.0E0	0.000	0.000
42.85	0.91	1.30	0.70	0.72	89.20	35.53	100.00	0.135	8.1E-4	0.001	0.001
42.80	0.91	1.30	0.70	0.72	89.20	33.86	99.51	0.188	1.1E-3	0.001	0.002
42.75	0.91	1.30	0.70	0.72	89.20	32.18	95.22	0.456	2.7E-3	0.003	0.005
42.70	0.91	1.30	0.70	0.72	89.20	30.51	91.22	0.685	4.1E-3	0.004	0.009
42.65	0.91	1.30	0.70	0.53	89.20	28.83	87.48	0.898	5.4E-3	0.005	0.014
42.60	0.91	1.30	0.70	0.46	89.20	27.15	83.96	1.055	6.3E-3	0.006	0.021
42.55	0.91	1.30	0.70	0.42	89.20	25.47	80.63	1.160	7.0E-3	0.007	0.027
42.50	0.91	1.30	0.70	0.38	89.20	23.80	77.46	1.264	7.6E-3	0.008	0.035
42.45	0.91	1.30	0.70	0.38	89.20	23.81	77.48	1.264	7.6E-3	0.008	0.043
42.40	0.91	1.30	0.70	0.38	89.20	23.82	77.49	1.263	7.6E-3	0.008	0.050
42.35	0.91	1.30	0.70	0.38	89.20	23.83	77.51	1.263	7.6E-3	0.008	0.058
42.30	0.91	1.30	0.70	0.38	89.20	23.84	77.53	1.262	7.6E-3	0.008	0.065
42.25	0.91	1.30	0.70	0.38	89.20	23.85	77.55	1.261	7.6E-3	0.008	0.073
42.20	0.91	1.30	0.70	0.38	89.20	23.86	77.56	1.261	7.6E-3	0.008	0.080
42.15	0.91	1.30	0.70	0.38	89.20	23.87	77.58	1.260	7.6E-3	0.008	0.088
42.10	0.91	1.30	0.70	0.38	89.20	23.88	77.60	1.260	7.6E-3	0.008	0.096
42.05	0.92	1.30	0.70	0.38	89.20	23.89	77.62	1.259	7.6E-3	0.008	0.103
42.00	0.92	1.30	0.71	0.38	89.20	23.90	77.63	1.259	7.6E-3	0.008	0.111
41.95	0.92	1.30	0.71	0.38	89.20	23.91	77.65	1.258	7.5E-3	0.008	0.118
41.90	0.92	1.30	0.71	0.38	89.20	23.92	77.67	1.257	7.5E-3	0.008	0.126
41.85	0.92	1.30	0.71	0.38	89.20	23.92	77.69	1.257	7.5E-3	0.008	0.133
41.80	0.92	1.30	0.71	0.38	89.20	23.93	77.70	1.256	7.5E-3	0.008	0.141
41.75	0.92	1.30	0.71	0.38	89.20	23.94	77.72	1.256	7.5E-3	0.008	0.148
41.70	0.92	1.30	0.71	0.38	89.20	23.95	77.74	1.255	7.5E-3	0.008	0.156
41.65	0.92	1.30	0.71	0.38	89.20	23.96	77.76	1.254	7.5E-3	0.008	0.163
41.60	0.92	1.30	0.71	0.38	89.20	23.97	77.77	1.254	7.5E-3	0.008	0.171
41.55	0.92	1.30	0.71	0.38	89.20	23.98	77.79	1.253	7.5E-3	0.008	0.179
41.50	0.92	1.30	0.71	0.38	89.20	23.99	77.81	1.253	7.5E-3	0.008	0.186
41.45	0.92	1.30	0.71	0.38	89.20	24.00	77.83	1.252	7.5E-3	0.008	0.194
41.40	0.92	1.30	0.71	0.38	89.20	24.01	77.85	1.251	7.5E-3	0.008	0.201
41.35	0.92	1.30	0.71	0.38	89.20	24.02	77.86	1.251	7.5E-3	0.008	0.209
41.30	0.92	1.30	0.71	0.38	89.20	24.03	77.88	1.250	7.5E-3	0.008	0.216
41.25	0.92	1.30	0.71	0.38	89.20	24.04	77.90	1.250	7.5E-3	0.007	0.224
41.20	0.93	1.30	0.71	0.38	89.20	24.05	77.92	1.249	7.5E-3	0.007	0.231
41.15	0.93	1.30	0.71	0.38	89.20	24.06	77.93	1.248	7.5E-3	0.007	0.239
41.10	0.93	1.30	0.71	0.38	89.20	24.07	77.95	1.248	7.5E-3	0.007	0.246
41.05	0.93	1.30	0.71	0.38	89.20	24.08	77.97	1.247	7.5E-3	0.007	0.254
41.00	0.93	1.30	0.71	0.38	89.20	24.09	77.99	1.247	7.5E-3	0.007	0.261
40.95	0.93	1.30	0.71	0.38	89.20	24.10	78.01	1.246	7.5E-3	0.007	0.268
40.90	0.93	1.30	0.72	0.38	89.20	24.11	78.02	1.245	7.5E-3	0.007	0.276
40.85	0.93	1.30	0.72	0.38	89.20	24.11	78.04	1.245	7.5E-3	0.007	0.283
40.80	0.93	1.30	0.72	0.38	89.20	24.12	78.06	1.244	7.5E-3	0.007	0.291
40.75	0.93	1.30	0.72	0.38	89.20	24.13	78.08	1.244	7.5E-3	0.007	0.298
40.70	0.93	1.30	0.72	0.38	89.20	24.14	78.10	1.243	7.5E-3	0.007	0.306
40.65	0.93	1.30	0.72	0.38	89.20	24.15	78.11	1.242	7.5E-3	0.007	0.313
40.60	0.93	1.30	0.72	0.38	89.20	24.16	78.13	1.242	7.5E-3	0.007	0.321

40.55	0.93	1.30	0.72	0.38	89.20	24.17	78.15	1.241	7.4E-3	0.007	0.328
40.50	0.93	1.30	0.72	0.38	89.20	24.18	78.17	1.241	7.4E-3	0.007	0.336
40.45	0.93	1.30	0.72	0.38	89.20	24.19	78.19	1.240	7.4E-3	0.007	0.343
40.40	0.93	1.30	0.72	0.38	89.20	24.20	78.20	1.239	7.4E-3	0.007	0.350
40.35	0.94	1.30	0.72	0.38	89.20	24.21	78.22	1.239	7.4E-3	0.007	0.358
40.30	0.94	1.30	0.72	0.38	89.20	24.22	78.24	1.238	7.4E-3	0.007	0.365
40.25	0.94	1.30	0.72	0.38	89.20	24.23	78.26	1.238	7.4E-3	0.007	0.373
40.20	0.94	1.30	0.72	0.38	89.20	24.24	78.28	1.237	7.4E-3	0.007	0.380
40.15	0.94	1.30	0.72	0.38	89.20	24.25	78.30	1.236	7.4E-3	0.007	0.388
40.10	0.94	1.30	0.72	0.38	89.20	24.26	78.31	1.236	7.4E-3	0.007	0.395
40.05	0.94	1.30	0.72	0.38	89.20	24.27	78.33	1.235	7.4E-3	0.007	0.402
40.00	0.94	1.30	0.72	0.38	89.20	24.28	78.35	1.235	7.4E-3	0.007	0.410
39.95	0.94	1.30	0.72	0.38	89.20	24.29	78.37	1.234	7.4E-3	0.007	0.417
39.90	0.94	1.30	0.72	0.38	89.20	24.30	78.39	1.233	7.4E-3	0.007	0.425
39.85	0.94	1.30	0.72	0.38	89.20	24.31	78.41	1.233	7.4E-3	0.007	0.432
39.80	0.94	1.30	0.73	0.38	89.20	24.32	78.42	1.232	7.4E-3	0.007	0.439
39.75	0.94	1.30	0.73	0.38	89.20	24.33	78.44	1.232	7.4E-3	0.007	0.447
39.70	0.94	1.30	0.73	0.38	89.20	24.34	78.46	1.231	7.4E-3	0.007	0.454
39.65	0.94	1.30	0.73	0.37	89.20	24.35	78.48	1.230	7.4E-3	0.007	0.462
39.60	0.94	1.30	0.73	0.37	89.20	24.36	78.50	1.230	7.4E-3	0.007	0.469
39.55	0.95	1.30	0.73	0.37	89.20	24.37	78.52	1.229	7.4E-3	0.007	0.476
39.50	0.95	1.30	0.73	0.37	89.20	24.38	78.54	1.228	7.4E-3	0.007	0.484
39.45	0.95	1.30	0.73	0.37	89.20	24.39	78.55	1.228	7.4E-3	0.007	0.491
39.40	0.95	1.30	0.73	0.37	89.20	24.40	78.57	1.227	7.4E-3	0.007	0.498
39.35	0.95	1.30	0.73	0.37	89.20	24.41	78.59	1.227	7.4E-3	0.007	0.506
39.30	0.95	1.30	0.73	0.37	89.20	24.42	78.61	1.226	7.4E-3	0.007	0.513
39.25	0.95	1.30	0.73	0.37	89.20	24.43	78.63	1.225	7.4E-3	0.007	0.521
39.20	0.95	1.30	0.73	0.37	89.20	24.44	78.65	1.225	7.3E-3	0.007	0.528
39.15	0.95	1.30	0.73	0.37	89.20	24.45	78.67	1.224	7.3E-3	0.007	0.535
39.10	0.95	1.30	0.73	0.37	89.20	24.46	78.69	1.224	7.3E-3	0.007	0.543
39.05	0.95	1.30	0.73	0.37	89.20	24.47	78.70	1.223	7.3E-3	0.007	0.550
39.00	0.95	1.30	0.73	0.37	89.20	24.48	78.72	1.222	7.3E-3	0.007	0.557
38.95	0.95	1.30	0.73	0.37	89.20	24.49	78.74	1.222	7.3E-3	0.007	0.565
38.90	0.95	1.30	0.73	0.37	89.20	24.50	78.76	1.221	7.3E-3	0.007	0.572
38.85	0.95	1.30	0.73	0.37	89.20	24.51	78.78	1.220	7.3E-3	0.007	0.579
38.80	0.95	1.30	0.73	0.37	89.20	24.52	78.80	1.220	7.3E-3	0.007	0.587
38.75	0.95	1.30	0.73	0.37	89.20	24.53	78.82	1.219	7.3E-3	0.007	0.594
38.70	0.96	1.30	0.74	0.37	89.20	24.54	78.84	1.219	7.3E-3	0.007	0.601
38.65	0.96	1.30	0.74	0.37	89.20	24.55	78.85	1.218	7.3E-3	0.007	0.608
38.60	0.96	1.30	0.74	0.37	89.20	24.56	78.87	1.217	7.3E-3	0.007	0.616
38.55	0.96	1.30	0.74	0.37	89.20	24.57	78.89	1.217	7.3E-3	0.007	0.623
38.50	0.96	1.30	0.74	0.37	89.20	24.58	78.91	1.216	7.3E-3	0.007	0.630
38.45	0.96	1.30	0.74	0.37	89.20	24.59	78.93	1.215	7.3E-3	0.007	0.638
38.40	0.96	1.30	0.74	0.37	89.20	24.60	78.95	1.215	7.3E-3	0.007	0.645
38.35	0.96	1.30	0.74	0.37	89.20	24.61	78.97	1.214	7.3E-3	0.007	0.652
38.30	0.96	1.30	0.74	0.37	89.20	24.62	78.99	1.214	7.3E-3	0.007	0.660
38.25	0.96	1.30	0.74	0.37	89.20	24.63	79.01	1.213	7.3E-3	0.007	0.667
38.20	0.96	1.30	0.74	0.37	89.20	24.64	79.03	1.212	7.3E-3	0.007	0.674
38.15	0.96	1.30	0.74	0.37	89.20	24.65	79.05	1.212	7.3E-3	0.007	0.681
38.10	0.96	1.30	0.74	0.37	89.20	24.66	79.06	1.211	7.3E-3	0.007	0.689
38.05	0.96	1.30	0.74	0.37	89.20	24.67	79.08	1.210	7.3E-3	0.007	0.696
38.00	0.96	1.30	0.74	0.37	89.20	24.68	79.10	1.210	7.3E-3	0.007	0.703
37.95	0.96	1.30	0.74	0.37	89.20	24.69	79.12	1.209	7.3E-3	0.007	0.710
37.90	0.96	1.30	0.74	0.37	89.20	24.70	79.14	1.208	7.3E-3	0.007	0.718
37.85	0.97	1.30	0.74	0.37	89.20	24.71	79.16	1.208	7.2E-3	0.007	0.725
37.80	0.97	1.30	0.74	0.37	89.20	24.72	79.18	1.207	7.2E-3	0.007	0.732
37.75	0.97	1.30	0.74	0.37	89.20	24.73	79.20	1.207	7.2E-3	0.007	0.739
37.70	0.97	1.30	0.74	0.37	89.20	24.74	79.22	1.206	7.2E-3	0.007	0.747
37.65	0.97	1.30	0.74	0.37	89.20	24.75	79.24	1.205	7.2E-3	0.007	0.754
37.60	0.97	1.30	0.75	0.37	89.20	24.76	79.26	1.205	7.2E-3	0.007	0.761
37.55	0.97	1.30	0.75	0.37	89.20	24.77	79.28	1.204	7.2E-3	0.007	0.768
37.50	0.97	1.30	0.75	0.37	89.20	24.78	79.30	1.203	7.2E-3	0.007	0.775
37.45	0.97	1.30	0.75	0.37	89.32	24.77	79.28	1.204	7.2E-3	0.007	0.783
37.40	0.97	1.30	0.75	0.37	89.44	24.76	79.26	1.205	7.2E-3	0.007	0.790
37.35	0.97	1.30	0.75	0.37	89.55	24.75	79.24	1.205	7.2E-3	0.007	0.797
37.30	0.97	1.30	0.75	0.37	89.67	24.74	79.22	1.206	7.2E-3	0.007	0.804
37.25	0.97	1.30	0.75	0.37	89.79	24.73	79.21	1.206	7.2E-3	0.007	0.812
37.20	0.97	1.30	0.75	0.37	89.91	24.72	79.19	1.207	7.2E-3	0.007	0.819
37.15	0.97	1.30	0.75	0.37	90.03	24.71	79.17	1.208	7.2E-3	0.007	0.826
37.10	0.97	1.30	0.75	0.37	90.14	24.70	79.15	1.208	7.2E-3	0.007	0.833
37.05	0.97	1.30	0.75	0.37	90.26	24.69	79.13	1.209	7.3E-3	0.007	0.841
37.00	0.98	1.30	0.75	0.37	90.38	24.68	79.11	1.209	7.3E-3	0.007	0.848
36.95	0.98	1.30	0.75	0.37	90.50	24.67	79.10	1.210	7.3E-3	0.007	0.855

36.90	0.98	1.30	0.75	0.37	90.62	24.66	79.08	1.211	7.3E-3	0.007	0.862
36.85	0.98	1.30	0.75	0.37	90.73	24.65	79.06	1.211	7.3E-3	0.007	0.870
36.80	0.98	1.30	0.75	0.37	90.85	24.64	79.04	1.212	7.3E-3	0.007	0.877
36.75	0.98	1.30	0.75	0.37	90.97	24.63	79.02	1.212	7.3E-3	0.007	0.884
36.70	0.98	1.30	0.75	0.37	91.09	24.62	79.00	1.213	7.3E-3	0.007	0.891
36.65	0.98	1.30	0.75	0.37	91.21	24.61	78.99	1.214	7.3E-3	0.007	0.899
36.60	0.98	1.30	0.75	0.37	91.32	24.61	78.97	1.214	7.3E-3	0.007	0.906
36.55	0.98	1.30	0.75	0.37	91.44	24.60	78.95	1.215	7.3E-3	0.007	0.913
36.50	0.98	1.30	0.76	0.37	91.56	24.59	78.93	1.215	7.3E-3	0.007	0.921
36.45	0.98	1.30	0.76	0.37	91.68	24.58	78.91	1.216	7.3E-3	0.007	0.928
36.40	0.98	1.30	0.76	0.36	91.80	24.57	78.89	1.217	7.3E-3	0.007	0.935
36.35	0.98	1.30	0.76	0.36	91.91	24.56	78.87	1.217	7.3E-3	0.007	0.943
36.30	0.98	1.30	0.76	0.36	92.03	24.55	78.86	1.218	7.3E-3	0.007	0.950
36.25	0.98	1.30	0.76	0.36	92.15	24.54	78.84	1.219	7.3E-3	0.007	0.957
36.20	0.99	1.30	0.76	0.36	92.27	24.53	78.82	1.219	7.3E-3	0.007	0.964
36.15	0.99	1.30	0.76	0.36	92.39	24.52	78.80	1.220	7.3E-3	0.007	0.972
36.10	0.99	1.30	0.76	0.36	92.50	24.51	78.78	1.220	7.3E-3	0.007	0.979
36.05	0.99	1.30	0.76	0.36	92.62	24.50	78.76	1.221	7.3E-3	0.007	0.986
36.00	0.99	1.30	0.76	0.36	92.74	24.49	78.74	1.222	7.3E-3	0.007	0.994
35.95	0.99	1.30	0.76	0.36	92.86	24.48	78.73	1.222	7.3E-3	0.007	1.001
35.90	0.99	1.30	0.76	0.36	92.98	24.47	78.71	1.223	7.3E-3	0.007	1.008
35.85	0.99	1.30	0.76	0.36	93.09	24.46	78.69	1.223	7.3E-3	0.007	1.016
35.80	0.99	1.30	0.76	0.36	93.21	24.45	78.67	1.224	7.3E-3	0.007	1.023
35.75	0.99	1.30	0.76	0.36	93.33	24.44	78.65	1.225	7.3E-3	0.007	1.030
35.70	0.99	1.30	0.76	0.36	93.45	24.43	78.63	1.225	7.4E-3	0.007	1.038
35.65	0.99	1.30	0.76	0.36	93.57	24.42	78.61	1.226	7.4E-3	0.007	1.045
35.60	0.99	1.30	0.76	0.36	93.68	24.41	78.59	1.227	7.4E-3	0.007	1.053
35.55	0.99	1.30	0.76	0.36	93.80	24.40	78.58	1.227	7.4E-3	0.007	1.060
35.50	0.99	1.30	0.76	0.36	93.92	24.39	78.56	1.228	7.4E-3	0.007	1.067
35.45	0.99	1.30	0.77	0.36	94.04	24.38	78.54	1.228	7.4E-3	0.007	1.075
35.40	0.99	1.30	0.77	0.36	94.16	24.37	78.52	1.229	7.4E-3	0.007	1.082
35.35	1.00	1.30	0.77	0.36	94.27	24.36	78.50	1.230	7.4E-3	0.007	1.089
35.30	1.00	1.30	0.77	0.36	94.39	24.35	78.48	1.230	7.4E-3	0.007	1.097
35.25	1.00	1.30	0.77	0.36	94.51	24.34	78.46	1.231	7.4E-3	0.007	1.104
35.20	1.00	1.30	0.77	0.35	94.63	24.33	78.44	1.232	7.4E-3	0.007	1.112
35.15	1.00	1.30	0.77	0.35	94.75	24.32	78.43	1.232	7.4E-3	0.007	1.119
35.10	1.00	1.30	0.77	0.35	94.86	24.31	78.41	1.233	7.4E-3	0.007	1.126
35.05	1.00	1.30	0.77	0.35	94.98	24.30	78.39	1.233	7.4E-3	0.007	1.134
35.00	1.00	1.30	0.77	0.35	95.10	24.29	78.37	1.234	7.4E-3	0.007	1.141
34.95	1.00	1.30	0.77	0.35	95.22	24.28	78.35	1.235	7.4E-3	0.007	1.149
34.90	1.00	1.30	0.77	0.35	95.34	24.27	78.33	1.235	7.4E-3	0.007	1.156
34.85	1.00	1.30	0.77	0.35	95.45	24.26	78.31	1.236	7.4E-3	0.007	1.163
34.80	1.00	1.30	0.77	0.35	95.57	24.25	78.29	1.237	7.4E-3	0.007	1.171
34.75	1.00	1.30	0.77	0.35	95.69	24.24	78.27	1.237	7.4E-3	0.007	1.178
34.70	1.00	1.30	0.77	0.35	95.81	24.23	78.25	1.238	7.4E-3	0.007	1.186
34.65	1.00	1.30	0.77	0.35	95.93	24.22	78.24	1.238	7.4E-3	0.007	1.193
34.60	1.00	1.30	0.77	0.35	96.04	24.21	78.22	1.239	7.4E-3	0.007	1.201
34.55	1.00	1.30	0.77	0.35	96.16	24.20	78.20	1.240	7.4E-3	0.007	1.208
34.50	1.01	1.30	0.77	0.35	96.28	24.19	78.18	1.240	7.4E-3	0.007	1.215
34.45	1.01	1.30	0.77	0.35	96.40	24.18	78.16	1.241	7.4E-3	0.007	1.223
34.40	1.01	1.30	0.77	0.35	96.52	24.17	78.14	1.242	7.4E-3	0.007	1.230
34.35	1.01	1.30	0.78	0.35	96.63	24.16	78.12	1.242	7.5E-3	0.007	1.238
34.30	1.01	1.30	0.78	0.35	96.75	24.15	78.10	1.243	7.5E-3	0.007	1.245
34.25	1.01	1.30	0.78	0.35	96.87	24.14	78.08	1.244	7.5E-3	0.007	1.253
34.20	1.01	1.30	0.78	0.35	96.99	24.13	78.06	1.244	7.5E-3	0.007	1.260
34.15	1.01	1.30	0.78	0.35	97.11	24.12	78.04	1.245	7.5E-3	0.007	1.268
34.10	1.01	1.30	0.78	0.35	97.22	24.11	78.02	1.245	7.5E-3	0.007	1.275
34.05	1.01	1.30	0.78	0.35	97.34	24.10	78.01	1.246	7.5E-3	0.007	1.283
34.00	1.01	1.30	0.78	0.34	97.46	24.08	77.99	1.247	7.5E-3	0.007	1.290
33.95	1.01	1.30	0.78	0.34	97.58	24.07	77.97	1.247	7.5E-3	0.007	1.298
33.90	1.01	1.30	0.78	0.34	97.70	24.06	77.95	1.248	7.5E-3	0.007	1.305
33.85	1.01	1.30	0.78	0.34	97.81	24.05	77.93	1.249	7.5E-3	0.007	1.312
33.80	1.01	1.30	0.78	0.34	97.93	24.04	77.91	1.249	7.5E-3	0.007	1.320
33.75	1.01	1.30	0.78	0.34	98.05	24.03	77.89	1.250	7.5E-3	0.007	1.327
33.70	1.02	1.30	0.78	0.34	98.17	24.02	77.87	1.251	7.5E-3	0.008	1.335
33.65	1.02	1.30	0.78	0.34	98.29	24.01	77.85	1.251	7.5E-3	0.008	1.343
33.60	1.02	1.30	0.78	0.34	98.40	24.00	77.83	1.252	7.5E-3	0.008	1.350
33.55	1.02	1.30	0.78	0.34	98.52	23.99	77.81	1.253	7.5E-3	0.008	1.358
33.50	1.02	1.30	0.78	0.34	98.64	23.98	77.79	1.253	7.5E-3	0.008	1.365
33.45	1.02	1.30	0.78	0.34	98.76	23.97	77.77	1.254	7.5E-3	0.008	1.373
33.40	1.02	1.30	0.78	0.34	98.88	23.96	77.75	1.255	7.5E-3	0.008	1.380
33.35	1.02	1.30	0.78	0.34	98.99	23.95	77.73	1.255	7.5E-3	0.008	1.388
33.30	1.02	1.30	0.79	0.34	99.11	23.94	77.71	1.256	7.5E-3	0.008	1.395

33.25	1.02	1.30	0.79	0.34	99.23	23.93	77.69	1.256	7.5E-3	0.008	1.403
33.20	1.02	1.30	0.79	0.34	99.35	23.92	77.68	1.257	7.5E-3	0.008	1.410
33.15	1.02	1.30	0.79	0.34	99.47	23.91	77.66	1.258	7.5E-3	0.008	1.418
33.10	1.02	1.30	0.79	0.34	99.58	23.90	77.64	1.258	7.6E-3	0.008	1.425
33.05	1.02	1.30	0.79	0.34	99.70	23.89	77.62	1.259	7.6E-3	0.008	1.433
33.00	1.02	1.30	0.79	0.34	99.82	23.88	77.60	1.260	7.6E-3	0.008	1.440
32.95	1.02	1.30	0.79	0.34	99.94	23.87	77.58	1.260	7.6E-3	0.008	1.448
32.90	1.02	1.30	0.79	0.34	NoLiq	23.86	77.56	1.261	0.0E0	0.000	1.448
32.85	1.03	1.30	0.79	0.34	NoLiq	23.85	77.54	1.262	0.0E0	0.000	1.448
32.80	1.03	1.30	0.79	0.34	NoLiq	23.83	77.52	1.262	0.0E0	0.000	1.448
32.75	1.03	1.30	0.79	0.33	NoLiq	23.82	77.50	1.263	0.0E0	0.000	1.448
32.70	1.03	1.30	0.79	0.33	NoLiq	23.81	77.48	1.264	0.0E0	0.000	1.448
32.65	1.03	1.30	0.79	0.33	NoLiq	23.80	77.46	1.264	0.0E0	0.000	1.448
32.60	1.03	1.30	0.79	0.33	NoLiq	23.79	77.44	1.265	0.0E0	0.000	1.448
32.55	1.03	1.30	0.79	0.33	NoLiq	23.78	77.42	1.266	0.0E0	0.000	1.448
32.50	1.03	1.30	0.79	5.00	NoLiq	23.77	77.40	1.266	0.0E0	0.000	1.448
32.45	1.03	1.30	0.79	5.00	NoLiq	23.78	77.42	1.266	0.0E0	0.000	1.448
32.40	1.03	1.30	0.79	5.00	NoLiq	23.79	77.44	1.265	0.0E0	0.000	1.448
32.35	1.03	1.30	0.79	5.00	NoLiq	23.80	77.46	1.264	0.0E0	0.000	1.448
32.30	1.03	1.30	0.79	5.00	NoLiq	23.81	77.48	1.264	0.0E0	0.000	1.448
32.25	1.03	1.30	0.79	5.00	NoLiq	23.82	77.50	1.263	0.0E0	0.000	1.448
32.20	1.03	1.30	0.80	5.00	NoLiq	23.83	77.51	1.263	0.0E0	0.000	1.448
32.15	1.03	1.30	0.80	5.00	NoLiq	23.84	77.53	1.262	0.0E0	0.000	1.448
32.10	1.03	1.30	0.80	5.00	NoLiq	23.85	77.55	1.261	0.0E0	0.000	1.448
32.05	1.04	1.30	0.80	5.00	NoLiq	23.86	77.57	1.261	0.0E0	0.000	1.448
32.00	1.04	1.30	0.80	5.00	NoLiq	23.87	77.59	1.260	0.0E0	0.000	1.448
31.95	1.04	1.30	0.80	5.00	NoLiq	23.88	77.61	1.259	0.0E0	0.000	1.448
31.90	1.04	1.30	0.80	5.00	NoLiq	23.90	77.63	1.259	0.0E0	0.000	1.448
31.85	1.04	1.30	0.80	5.00	NoLiq	23.91	77.65	1.258	0.0E0	0.000	1.448
31.80	1.04	1.30	0.80	5.00	NoLiq	23.92	77.67	1.257	0.0E0	0.000	1.448
31.75	1.04	1.30	0.80	5.00	NoLiq	23.93	77.69	1.257	0.0E0	0.000	1.448
31.70	1.04	1.30	0.80	5.00	NoLiq	23.94	77.71	1.256	0.0E0	0.000	1.448
31.65	1.04	1.30	0.80	5.00	NoLiq	23.95	77.73	1.255	0.0E0	0.000	1.448
31.60	1.04	1.30	0.80	5.00	NoLiq	23.96	77.75	1.255	0.0E0	0.000	1.448
31.55	1.04	1.30	0.80	5.00	NoLiq	23.97	77.77	1.254	0.0E0	0.000	1.448
31.50	1.04	1.30	0.80	5.00	NoLiq	23.98	77.79	1.253	0.0E0	0.000	1.448
31.45	1.04	1.30	0.80	5.00	NoLiq	23.99	77.81	1.253	0.0E0	0.000	1.448
31.40	1.04	1.30	0.80	5.00	NoLiq	24.00	77.83	1.252	0.0E0	0.000	1.448
31.35	1.04	1.30	0.80	5.00	NoLiq	24.01	77.85	1.251	0.0E0	0.000	1.448
31.30	1.04	1.30	0.80	5.00	NoLiq	24.02	77.87	1.251	0.0E0	0.000	1.448
31.25	1.05	1.30	0.80	5.00	NoLiq	24.03	77.89	1.250	0.0E0	0.000	1.448
31.20	1.05	1.30	0.81	5.00	NoLiq	24.04	77.91	1.249	0.0E0	0.000	1.448
31.15	1.05	1.30	0.81	5.00	NoLiq	24.05	77.93	1.249	0.0E0	0.000	1.448
31.10	1.05	1.30	0.81	5.00	NoLiq	24.06	77.95	1.248	0.0E0	0.000	1.448
31.05	1.05	1.30	0.81	5.00	NoLiq	24.08	77.97	1.247	0.0E0	0.000	1.448
31.00	1.05	1.30	0.81	5.00	NoLiq	24.09	77.99	1.247	0.0E0	0.000	1.448
30.95	1.05	1.30	0.81	5.00	NoLiq	24.10	78.01	1.246	0.0E0	0.000	1.448
30.90	1.05	1.30	0.81	5.00	NoLiq	24.11	78.03	1.245	0.0E0	0.000	1.448
30.85	1.05	1.30	0.81	5.00	NoLiq	24.12	78.05	1.245	0.0E0	0.000	1.448
30.80	1.05	1.30	0.81	5.00	NoLiq	24.13	78.07	1.244	0.0E0	0.000	1.448
30.75	1.05	1.30	0.81	5.00	NoLiq	24.14	78.09	1.243	0.0E0	0.000	1.448
30.70	1.05	1.30	0.81	5.00	NoLiq	24.15	78.11	1.243	0.0E0	0.000	1.448
30.65	1.05	1.30	0.81	5.00	NoLiq	24.16	78.13	1.242	0.0E0	0.000	1.448
30.60	1.05	1.30	0.81	5.00	NoLiq	24.17	78.15	1.241	0.0E0	0.000	1.448
30.55	1.05	1.30	0.81	5.00	NoLiq	24.18	78.17	1.241	0.0E0	0.000	1.448
30.50	1.05	1.30	0.81	5.00	NoLiq	24.20	78.19	1.240	0.0E0	0.000	1.448
30.45	1.06	1.30	0.81	5.00	NoLiq	24.21	78.21	1.239	0.0E0	0.000	1.448
30.40	1.06	1.30	0.81	5.00	NoLiq	24.22	78.24	1.238	0.0E0	0.000	1.448
30.35	1.06	1.30	0.81	5.00	NoLiq	24.23	78.26	1.238	0.0E0	0.000	1.448
30.30	1.06	1.30	0.81	5.00	NoLiq	24.24	78.28	1.237	0.0E0	0.000	1.448
30.25	1.06	1.30	0.81	5.00	NoLiq	24.25	78.30	1.236	0.0E0	0.000	1.448
30.20	1.06	1.30	0.81	5.00	NoLiq	24.26	78.32	1.236	0.0E0	0.000	1.448
30.15	1.06	1.30	0.82	5.00	NoLiq	24.27	78.34	1.235	0.0E0	0.000	1.448
30.10	1.06	1.30	0.82	5.00	NoLiq	24.28	78.36	1.234	0.0E0	0.000	1.448
30.05	1.06	1.30	0.82	5.00	NoLiq	24.30	78.38	1.234	0.0E0	0.000	1.448
30.00	1.06	1.30	0.82	5.00	NoLiq	24.31	78.40	1.233	0.0E0	0.000	1.448
29.95	1.06	1.30	0.82	5.00	NoLiq	24.32	78.42	1.232	0.0E0	0.000	1.448
29.90	1.06	1.30	0.82	5.00	NoLiq	24.33	78.45	1.231	0.0E0	0.000	1.448
29.85	1.06	1.30	0.82	5.00	NoLiq	24.34	78.47	1.231	0.0E0	0.000	1.448
29.80	1.06	1.30	0.82	5.00	NoLiq	24.35	78.49	1.230	0.0E0	0.000	1.448
29.75	1.06	1.30	0.82	5.00	NoLiq	24.36	78.51	1.229	0.0E0	0.000	1.448
29.70	1.06	1.30	0.82	5.00	NoLiq	24.38	78.53	1.229	0.0E0	0.000	1.448
29.65	1.06	1.30	0.82	5.00	NoLiq	24.39	78.55	1.228	0.0E0	0.000	1.448

29.60	1.06	1.30	0.82	5.00	NoLiq	24.40	78.57	1.227	0.0E0	0.000	1.448
29.55	1.06	1.30	0.82	5.00	NoLiq	24.41	78.60	1.226	0.0E0	0.000	1.448
29.50	1.07	1.30	0.82	5.00	NoLiq	24.42	78.62	1.226	0.0E0	0.000	1.448
29.45	1.07	1.30	0.82	5.00	NoLiq	24.43	78.64	1.225	0.0E0	0.000	1.448
29.40	1.07	1.30	0.82	5.00	NoLiq	24.44	78.66	1.224	0.0E0	0.000	1.448
29.35	1.07	1.30	0.82	5.00	NoLiq	24.46	78.68	1.224	0.0E0	0.000	1.448
29.30	1.07	1.30	0.82	5.00	NoLiq	24.47	78.70	1.223	0.0E0	0.000	1.448
29.25	1.07	1.30	0.82	5.00	NoLiq	24.48	78.73	1.222	0.0E0	0.000	1.448
29.20	1.07	1.30	0.82	5.00	NoLiq	24.49	78.75	1.221	0.0E0	0.000	1.448
29.15	1.07	1.30	0.82	5.00	NoLiq	24.50	78.77	1.221	0.0E0	0.000	1.448
29.10	1.07	1.30	0.82	5.00	NoLiq	24.51	78.79	1.220	0.0E0	0.000	1.448
29.05	1.07	1.30	0.82	5.00	NoLiq	24.52	78.81	1.219	0.0E0	0.000	1.448
29.00	1.07	1.30	0.82	5.00	NoLiq	24.54	78.84	1.219	0.0E0	0.000	1.448
28.95	1.07	1.30	0.82	5.00	NoLiq	24.55	78.86	1.218	0.0E0	0.000	1.448
28.90	1.07	1.30	0.82	5.00	NoLiq	24.56	78.88	1.217	0.0E0	0.000	1.448
28.85	1.07	1.30	0.82	5.00	NoLiq	24.57	78.90	1.216	0.0E0	0.000	1.448
28.80	1.07	1.30	0.82	5.00	NoLiq	24.58	78.93	1.216	0.0E0	0.000	1.448
28.75	1.07	1.30	0.82	5.00	NoLiq	24.60	78.95	1.215	0.0E0	0.000	1.448
28.70	1.07	1.30	0.82	5.00	NoLiq	24.61	78.97	1.214	0.0E0	0.000	1.448
28.65	1.07	1.30	0.82	5.00	NoLiq	24.62	78.99	1.213	0.0E0	0.000	1.448
28.60	1.07	1.30	0.82	5.00	NoLiq	24.63	79.02	1.213	0.0E0	0.000	1.448
28.55	1.07	1.30	0.82	5.00	NoLiq	24.64	79.04	1.212	0.0E0	0.000	1.448
28.50	1.07	1.30	0.83	5.00	NoLiq	24.65	79.06	1.211	0.0E0	0.000	1.448
28.45	1.07	1.30	0.83	5.00	NoLiq	24.67	79.08	1.210	0.0E0	0.000	1.448
28.40	1.07	1.30	0.83	5.00	NoLiq	24.68	79.11	1.210	0.0E0	0.000	1.448
28.35	1.07	1.30	0.83	5.00	NoLiq	24.69	79.13	1.209	0.0E0	0.000	1.448
28.30	1.07	1.30	0.83	5.00	NoLiq	24.70	79.15	1.208	0.0E0	0.000	1.448
28.25	1.07	1.30	0.83	5.00	NoLiq	24.71	79.17	1.207	0.0E0	0.000	1.448
28.20	1.07	1.30	0.83	5.00	NoLiq	24.73	79.20	1.207	0.0E0	0.000	1.448
28.15	1.07	1.30	0.83	5.00	NoLiq	24.74	79.22	1.206	0.0E0	0.000	1.448
28.10	1.08	1.30	0.83	5.00	NoLiq	24.75	79.24	1.205	0.0E0	0.000	1.448
28.05	1.08	1.30	0.83	5.00	NoLiq	24.76	79.27	1.204	0.0E0	0.000	1.448
28.00	1.08	1.30	0.83	5.00	NoLiq	24.78	79.29	1.204	0.0E0	0.000	1.448
27.95	1.08	1.30	0.83	5.00	NoLiq	24.79	79.31	1.203	0.0E0	0.000	1.448
27.90	1.08	1.30	0.83	5.00	NoLiq	24.80	79.34	1.202	0.0E0	0.000	1.448
27.85	1.08	1.30	0.83	5.00	NoLiq	23.82	77.49	1.263	0.0E0	0.000	1.448
27.80	1.08	1.30	0.83	5.00	NoLiq	23.83	77.52	1.262	0.0E0	0.000	1.448
27.75	1.08	1.30	0.83	5.00	NoLiq	23.85	77.54	1.262	0.0E0	0.000	1.448
27.70	1.08	1.30	0.83	5.00	NoLiq	23.86	77.56	1.261	0.0E0	0.000	1.448
27.65	1.08	1.30	0.83	5.00	NoLiq	23.87	77.58	1.260	0.0E0	0.000	1.448
27.60	1.08	1.30	0.83	5.00	NoLiq	23.88	77.60	1.260	0.0E0	0.000	1.448
27.55	1.08	1.30	0.83	5.00	NoLiq	23.89	77.63	1.259	0.0E0	0.000	1.448
27.50	1.08	1.30	0.83	5.00	NoLiq	23.90	77.65	1.258	0.0E0	0.000	1.448
27.45	1.08	1.30	0.83	5.00	NoLiq	23.89	77.63	1.259	0.0E0	0.000	1.448
27.40	1.08	1.30	0.83	5.00	NoLiq	23.89	77.61	1.259	0.0E0	0.000	1.448
27.35	1.08	1.30	0.83	5.00	NoLiq	23.88	77.60	1.260	0.0E0	0.000	1.448
27.30	1.08	1.30	0.83	5.00	NoLiq	23.87	77.58	1.260	0.0E0	0.000	1.448
27.25	1.08	1.30	0.83	5.00	NoLiq	23.86	77.56	1.261	0.0E0	0.000	1.448
27.20	1.08	1.30	0.83	5.00	NoLiq	23.85	77.54	1.262	0.0E0	0.000	1.448
27.15	1.08	1.30	0.83	5.00	NoLiq	23.84	77.53	1.262	0.0E0	0.000	1.448
27.10	1.08	1.30	0.83	5.00	NoLiq	23.83	77.51	1.263	0.0E0	0.000	1.448
27.05	1.08	1.30	0.83	5.00	NoLiq	23.82	77.49	1.263	0.0E0	0.000	1.448
27.00	1.08	1.30	0.83	5.00	NoLiq	23.81	77.48	1.264	0.0E0	0.000	1.448
26.95	1.08	1.30	0.83	5.00	NoLiq	23.80	77.46	1.264	0.0E0	0.000	1.448
26.90	1.08	1.30	0.83	5.00	NoLiq	23.79	77.44	1.265	0.0E0	0.000	1.448
26.85	1.09	1.30	0.84	5.00	NoLiq	23.78	77.42	1.266	0.0E0	0.000	1.448
26.80	1.09	1.30	0.84	5.00	NoLiq	23.78	77.41	1.266	0.0E0	0.000	1.448
26.75	1.09	1.30	0.84	5.00	NoLiq	23.77	77.39	1.267	0.0E0	0.000	1.448
26.70	1.09	1.30	0.84	5.00	NoLiq	23.76	77.37	1.267	0.0E0	0.000	1.448
26.65	1.09	1.30	0.84	5.00	NoLiq	23.75	77.36	1.268	0.0E0	0.000	1.448
26.60	1.09	1.30	0.84	5.00	NoLiq	23.74	77.34	1.268	0.0E0	0.000	1.448
26.55	1.09	1.30	0.84	5.00	NoLiq	23.73	77.32	1.269	0.0E0	0.000	1.448
26.50	1.09	1.30	0.84	5.00	NoLiq	23.72	77.30	1.270	0.0E0	0.000	1.448
26.45	1.09	1.30	0.84	5.00	NoLiq	23.71	77.29	1.270	0.0E0	0.000	1.448
26.40	1.09	1.30	0.84	5.00	NoLiq	23.70	77.27	1.271	0.0E0	0.000	1.448
26.35	1.09	1.30	0.84	5.00	NoLiq	23.69	77.25	1.271	0.0E0	0.000	1.448
26.30	1.09	1.30	0.84	5.00	NoLiq	23.68	77.24	1.272	0.0E0	0.000	1.448
26.25	1.09	1.30	0.84	5.00	NoLiq	23.67	77.22	1.272	0.0E0	0.000	1.448
26.20	1.09	1.30	0.84	5.00	NoLiq	23.66	77.20	1.273	0.0E0	0.000	1.448
26.15	1.09	1.30	0.84	5.00	NoLiq	23.65	77.18	1.274	0.0E0	0.000	1.448
26.10	1.09	1.30	0.84	5.00	NoLiq	23.65	77.17	1.274	0.0E0	0.000	1.448
26.05	1.09	1.30	0.84	5.00	NoLiq	23.64	77.15	1.275	0.0E0	0.000	1.448
26.00	1.09	1.30	0.84	5.00	NoLiq	23.63	77.13	1.275	0.0E0	0.000	1.448

25.95	1.09	1.30	0.84	5.00	NoLiq	23.62	77.11	1.276	0.0E0	0.000	1.448
25.90	1.09	1.30	0.84	5.00	NoLiq	23.61	77.10	1.277	0.0E0	0.000	1.448
25.85	1.09	1.30	0.84	5.00	NoLiq	23.60	77.08	1.277	0.0E0	0.000	1.448
25.80	1.09	1.30	0.84	5.00	NoLiq	23.59	77.06	1.278	0.0E0	0.000	1.448
25.75	1.09	1.30	0.84	5.00	NoLiq	23.58	77.05	1.278	0.0E0	0.000	1.448
25.70	1.09	1.30	0.84	5.00	NoLiq	23.57	77.03	1.279	0.0E0	0.000	1.448
25.65	1.10	1.30	0.84	5.00	NoLiq	23.56	77.01	1.279	0.0E0	0.000	1.448
25.60	1.10	1.30	0.84	5.00	NoLiq	23.55	76.99	1.280	0.0E0	0.000	1.448
25.55	1.10	1.30	0.84	5.00	NoLiq	23.54	76.98	1.281	0.0E0	0.000	1.448
25.50	1.10	1.30	0.84	5.00	NoLiq	23.53	76.96	1.281	0.0E0	0.000	1.448
25.45	1.10	1.30	0.84	5.00	NoLiq	23.52	76.94	1.282	0.0E0	0.000	1.448
25.40	1.10	1.30	0.84	5.00	NoLiq	23.52	76.92	1.282	0.0E0	0.000	1.448
25.35	1.10	1.30	0.85	5.00	NoLiq	23.51	76.91	1.283	0.0E0	0.000	1.448
25.30	1.10	1.30	0.85	5.00	NoLiq	23.50	76.89	1.283	0.0E0	0.000	1.448
25.25	1.10	1.30	0.85	5.00	NoLiq	23.49	76.87	1.284	0.0E0	0.000	1.448
25.20	1.10	1.30	0.85	5.00	NoLiq	23.48	76.86	1.285	0.0E0	0.000	1.448
25.15	1.10	1.30	0.85	5.00	NoLiq	23.47	76.84	1.285	0.0E0	0.000	1.448
25.10	1.10	1.30	0.85	5.00	NoLiq	23.46	76.82	1.286	0.0E0	0.000	1.448
25.05	1.10	1.30	0.85	5.00	NoLiq	23.45	76.80	1.286	0.0E0	0.000	1.448
25.00	1.10	1.30	0.85	5.00	NoLiq	23.44	76.79	1.287	0.0E0	0.000	1.448
24.95	1.10	1.30	0.85	5.00	NoLiq	23.43	76.77	1.288	0.0E0	0.000	1.448
24.90	1.10	1.30	0.85	5.00	NoLiq	23.42	76.75	1.288	0.0E0	0.000	1.448
24.85	1.10	1.30	0.85	5.00	NoLiq	23.41	76.73	1.289	0.0E0	0.000	1.448
24.80	1.10	1.30	0.85	5.00	NoLiq	23.40	76.72	1.289	0.0E0	0.000	1.448
24.75	1.10	1.30	0.85	5.00	NoLiq	23.39	76.70	1.290	0.0E0	0.000	1.448
24.70	1.10	1.30	0.85	5.00	NoLiq	23.38	76.68	1.290	0.0E0	0.000	1.448
24.65	1.10	1.30	0.85	5.00	NoLiq	23.38	76.67	1.291	0.0E0	0.000	1.448
24.60	1.11	1.30	0.85	5.00	NoLiq	23.37	76.65	1.292	0.0E0	0.000	1.448
24.55	1.11	1.30	0.85	5.00	NoLiq	23.36	76.63	1.292	0.0E0	0.000	1.448
24.50	1.11	1.30	0.85	5.00	NoLiq	23.35	76.61	1.293	0.0E0	0.000	1.448
24.45	1.11	1.30	0.85	5.00	NoLiq	23.34	76.60	1.293	0.0E0	0.000	1.448
24.40	1.11	1.30	0.85	5.00	NoLiq	23.33	76.58	1.294	0.0E0	0.000	1.448
24.35	1.11	1.30	0.85	5.00	NoLiq	23.32	76.56	1.295	0.0E0	0.000	1.448
24.30	1.11	1.30	0.85	5.00	NoLiq	23.31	76.54	1.295	0.0E0	0.000	1.448
24.25	1.11	1.30	0.85	5.00	NoLiq	23.30	76.53	1.296	0.0E0	0.000	1.448
24.20	1.11	1.30	0.85	5.00	NoLiq	23.29	76.51	1.296	0.0E0	0.000	1.448
24.15	1.11	1.30	0.85	5.00	NoLiq	23.28	76.49	1.297	0.0E0	0.000	1.448
24.10	1.11	1.30	0.85	5.00	NoLiq	23.27	76.47	1.298	0.0E0	0.000	1.448
24.05	1.11	1.30	0.85	5.00	NoLiq	23.26	76.46	1.298	0.0E0	0.000	1.448
24.00	1.11	1.30	0.86	5.00	NoLiq	23.25	76.44	1.299	0.0E0	0.000	1.448
23.95	1.11	1.30	0.86	5.00	NoLiq	23.24	76.42	1.299	0.0E0	0.000	1.448
23.90	1.11	1.30	0.86	5.00	NoLiq	23.23	76.41	1.300	0.0E0	0.000	1.448
23.85	1.11	1.30	0.86	5.00	NoLiq	23.23	76.39	1.300	0.0E0	0.000	1.448
23.80	1.11	1.30	0.86	5.00	NoLiq	23.22	76.37	1.301	0.0E0	0.000	1.448
23.75	1.11	1.30	0.86	5.00	NoLiq	23.21	76.35	1.302	0.0E0	0.000	1.448
23.70	1.11	1.30	0.86	5.00	NoLiq	23.20	76.34	1.302	0.0E0	0.000	1.448
23.65	1.12	1.30	0.86	5.00	NoLiq	23.19	76.32	1.303	0.0E0	0.000	1.448
23.60	1.12	1.30	0.86	5.00	NoLiq	23.18	76.30	1.303	0.0E0	0.000	1.448
23.55	1.12	1.30	0.86	5.00	NoLiq	23.17	76.28	1.304	0.0E0	0.000	1.448
23.50	1.12	1.30	0.86	5.00	NoLiq	23.16	76.27	1.305	0.0E0	0.000	1.448
23.45	1.12	1.30	0.86	5.00	NoLiq	23.15	76.25	1.305	0.0E0	0.000	1.448
23.40	1.12	1.30	0.86	5.00	NoLiq	23.14	76.23	1.306	0.0E0	0.000	1.448
23.35	1.12	1.30	0.86	5.00	NoLiq	23.13	76.21	1.306	0.0E0	0.000	1.448
23.30	1.12	1.30	0.86	5.00	NoLiq	23.12	76.20	1.307	0.0E0	0.000	1.448
23.25	1.12	1.30	0.86	5.00	NoLiq	23.11	76.18	1.308	0.0E0	0.000	1.448
23.20	1.12	1.30	0.86	5.00	NoLiq	23.10	76.16	1.308	0.0E0	0.000	1.448
23.15	1.12	1.30	0.86	5.00	NoLiq	23.09	76.14	1.309	0.0E0	0.000	1.448
23.10	1.12	1.30	0.86	5.00	NoLiq	23.08	76.13	1.309	0.0E0	0.000	1.448
23.05	1.12	1.30	0.86	5.00	NoLiq	23.07	76.11	1.310	0.0E0	0.000	1.448
23.00	1.12	1.30	0.86	5.00	NoLiq	23.07	76.09	1.310	0.0E0	0.000	1.448
22.95	1.12	1.30	0.86	5.00	NoLiq	23.06	76.08	1.311	0.0E0	0.000	1.448
22.90	1.12	1.30	0.86	5.00	NoLiq	23.05	76.06	1.312	0.0E0	0.000	1.448
22.85	1.12	1.30	0.87	5.00	NoLiq	23.04	76.04	1.312	0.0E0	0.000	1.448
22.80	1.12	1.30	0.87	5.00	NoLiq	23.03	76.02	1.313	0.0E0	0.000	1.448
22.75	1.13	1.30	0.87	5.00	NoLiq	23.02	76.01	1.313	0.0E0	0.000	1.448
22.70	1.13	1.30	0.87	5.00	NoLiq	23.01	75.99	1.314	0.0E0	0.000	1.448
22.65	1.13	1.30	0.87	5.00	NoLiq	23.00	75.97	1.315	0.0E0	0.000	1.448
22.60	1.13	1.30	0.87	5.00	NoLiq	22.99	75.95	1.315	0.0E0	0.000	1.448
22.55	1.13	1.30	0.87	5.00	NoLiq	22.98	75.94	1.316	0.0E0	0.000	1.448
22.50	1.13	1.30	0.87	5.00	NoLiq	22.97	75.92	1.316	0.0E0	0.000	1.448
22.45	1.13	1.30	0.87	5.00	NoLiq	22.98	75.94	1.316	0.0E0	0.000	1.448
22.40	1.13	1.30	0.87	5.00	NoLiq	23.00	75.97	1.315	0.0E0	0.000	1.448
22.35	1.13	1.30	0.87	5.00	NoLiq	23.01	75.99	1.314	0.0E0	0.000	1.448

22.30	1.13	1.30	0.87	5.00	NoLiq	23.02	76.01	1.313	0.0E0	0.000	1.448
22.25	1.13	1.30	0.87	5.00	NoLiq	23.04	76.04	1.312	0.0E0	0.000	1.448
22.20	1.13	1.30	0.87	5.00	NoLiq	23.05	76.06	1.312	0.0E0	0.000	1.448
22.15	1.13	1.30	0.87	5.00	NoLiq	23.06	76.09	1.311	0.0E0	0.000	1.448
22.10	1.13	1.30	0.87	5.00	NoLiq	23.07	76.11	1.310	0.0E0	0.000	1.448
22.05	1.13	1.30	0.87	5.00	NoLiq	23.09	76.13	1.309	0.0E0	0.000	1.448
22.00	1.13	1.30	0.87	5.00	NoLiq	23.10	76.16	1.308	0.0E0	0.000	1.448
21.95	1.13	1.30	0.87	5.00	NoLiq	23.11	76.18	1.307	0.0E0	0.000	1.448
21.90	1.14	1.30	0.87	5.00	NoLiq	23.13	76.21	1.307	0.0E0	0.000	1.448
21.85	1.14	1.30	0.87	5.00	NoLiq	23.14	76.23	1.306	0.0E0	0.000	1.448
21.80	1.14	1.30	0.87	5.00	NoLiq	23.15	76.26	1.305	0.0E0	0.000	1.448
21.75	1.14	1.30	0.88	5.00	NoLiq	23.17	76.28	1.304	0.0E0	0.000	1.448
21.70	1.14	1.30	0.88	5.00	NoLiq	23.18	76.31	1.303	0.0E0	0.000	1.448
21.65	1.14	1.30	0.88	5.00	NoLiq	23.19	76.33	1.302	0.0E0	0.000	1.448
21.60	1.14	1.30	0.88	5.00	NoLiq	23.21	76.36	1.302	0.0E0	0.000	1.448
21.55	1.14	1.30	0.88	5.00	NoLiq	23.22	76.38	1.301	0.0E0	0.000	1.448
21.50	1.14	1.30	0.88	5.00	NoLiq	23.23	76.40	1.300	0.0E0	0.000	1.448
21.45	1.14	1.30	0.88	5.00	NoLiq	23.25	76.43	1.299	0.0E0	0.000	1.448
21.40	1.14	1.30	0.88	5.00	NoLiq	23.26	76.45	1.298	0.0E0	0.000	1.448
21.35	1.14	1.30	0.88	5.00	NoLiq	23.27	76.48	1.297	0.0E0	0.000	1.448
21.30	1.14	1.30	0.88	5.00	NoLiq	23.29	76.50	1.297	0.0E0	0.000	1.448
21.25	1.14	1.30	0.88	5.00	NoLiq	23.30	76.53	1.296	0.0E0	0.000	1.448
21.20	1.14	1.30	0.88	5.00	NoLiq	23.32	76.55	1.295	0.0E0	0.000	1.448
21.15	1.14	1.30	0.88	5.00	NoLiq	23.33	76.58	1.294	0.0E0	0.000	1.448
21.10	1.15	1.30	0.88	5.00	NoLiq	23.34	76.60	1.293	0.0E0	0.000	1.448
21.05	1.15	1.30	0.88	5.00	NoLiq	23.36	76.63	1.292	0.0E0	0.000	1.448
21.00	1.15	1.30	0.88	5.00	NoLiq	23.37	76.66	1.291	0.0E0	0.000	1.448
20.95	1.15	1.30	0.88	5.00	NoLiq	23.38	76.68	1.291	0.0E0	0.000	1.448
20.90	1.15	1.30	0.88	5.00	NoLiq	23.40	76.71	1.290	0.0E0	0.000	1.448
20.85	1.15	1.30	0.88	5.00	NoLiq	23.41	76.73	1.289	0.0E0	0.000	1.448
20.80	1.15	1.30	0.88	5.00	NoLiq	23.43	76.76	1.288	0.0E0	0.000	1.448
20.75	1.15	1.30	0.89	5.00	NoLiq	23.44	76.78	1.287	0.0E0	0.000	1.448
20.70	1.15	1.30	0.89	5.00	NoLiq	23.45	76.81	1.286	0.0E0	0.000	1.448
20.65	1.15	1.30	0.89	5.00	NoLiq	23.47	76.83	1.285	0.0E0	0.000	1.448
20.60	1.15	1.30	0.89	5.00	NoLiq	23.48	76.86	1.284	0.0E0	0.000	1.448
20.55	1.15	1.30	0.89	5.00	NoLiq	23.49	76.89	1.284	0.0E0	0.000	1.448
20.50	1.15	1.30	0.89	5.00	NoLiq	23.51	76.91	1.283	0.0E0	0.000	1.448
20.45	1.15	1.30	0.89	5.00	NoLiq	23.52	76.94	1.282	0.0E0	0.000	1.448
20.40	1.16	1.30	0.89	5.00	NoLiq	23.54	76.96	1.281	0.0E0	0.000	1.448
20.35	1.16	1.30	0.89	5.00	NoLiq	23.55	76.99	1.280	0.0E0	0.000	1.448
20.30	1.16	1.30	0.89	5.00	NoLiq	23.56	77.02	1.279	0.0E0	0.000	1.448
20.25	1.16	1.30	0.89	5.00	NoLiq	23.58	77.04	1.278	0.0E0	0.000	1.448
20.20	1.16	1.30	0.89	5.00	NoLiq	23.59	77.07	1.277	0.0E0	0.000	1.448
20.15	1.16	1.30	0.89	5.00	NoLiq	23.61	77.09	1.277	0.0E0	0.000	1.448
20.10	1.16	1.30	0.89	5.00	NoLiq	23.62	77.12	1.276	0.0E0	0.000	1.448
20.05	1.16	1.30	0.89	5.00	NoLiq	23.64	77.15	1.275	0.0E0	0.000	1.448
20.00	1.16	1.30	0.89	5.00	NoLiq	23.65	77.17	1.274	0.0E0	0.000	1.448
19.95	1.16	1.30	0.89	5.00	NoLiq	23.66	77.20	1.273	0.0E0	0.000	1.448
19.90	1.16	1.30	0.89	5.00	NoLiq	23.68	77.23	1.272	0.0E0	0.000	1.448
19.85	1.16	1.30	0.90	5.00	NoLiq	23.69	77.25	1.271	0.0E0	0.000	1.448
19.80	1.16	1.30	0.90	5.00	NoLiq	23.71	77.28	1.270	0.0E0	0.000	1.448
19.75	1.16	1.30	0.90	5.00	NoLiq	23.72	77.31	1.269	0.0E0	0.000	1.448
19.70	1.17	1.30	0.90	5.00	NoLiq	23.74	77.33	1.269	0.0E0	0.000	1.448
19.65	1.17	1.30	0.90	5.00	NoLiq	23.75	77.36	1.268	0.0E0	0.000	1.448
19.60	1.17	1.30	0.90	5.00	NoLiq	23.76	77.39	1.267	0.0E0	0.000	1.448
19.55	1.17	1.30	0.90	5.00	NoLiq	23.78	77.41	1.266	0.0E0	0.000	1.448
19.50	1.17	1.30	0.90	5.00	NoLiq	23.79	77.44	1.265	0.0E0	0.000	1.448
19.45	1.17	1.30	0.90	5.00	NoLiq	23.81	77.47	1.264	0.0E0	0.000	1.448
19.40	1.17	1.30	0.90	5.00	NoLiq	23.82	77.50	1.263	0.0E0	0.000	1.448
19.35	1.17	1.30	0.90	5.00	NoLiq	23.84	77.52	1.262	0.0E0	0.000	1.448
19.30	1.17	1.30	0.90	5.00	NoLiq	23.85	77.55	1.261	0.0E0	0.000	1.448
19.25	1.17	1.30	0.90	5.00	NoLiq	23.87	77.58	1.260	0.0E0	0.000	1.448
19.20	1.17	1.30	0.90	5.00	NoLiq	23.88	77.61	1.259	0.0E0	0.000	1.448
19.15	1.17	1.30	0.90	5.00	NoLiq	23.90	77.63	1.259	0.0E0	0.000	1.448
19.10	1.17	1.30	0.90	5.00	NoLiq	23.91	77.66	1.258	0.0E0	0.000	1.448
19.05	1.18	1.30	0.90	5.00	NoLiq	23.93	77.69	1.257	0.0E0	0.000	1.448
19.00	1.18	1.30	0.91	5.00	NoLiq	23.94	77.72	1.256	0.0E0	0.000	1.448
18.95	1.18	1.30	0.91	5.00	NoLiq	23.96	77.74	1.255	0.0E0	0.000	1.448
18.90	1.18	1.30	0.91	5.00	NoLiq	23.97	77.77	1.254	0.0E0	0.000	1.448
18.85	1.18	1.30	0.91	5.00	NoLiq	23.98	77.80	1.253	0.0E0	0.000	1.448
18.80	1.18	1.30	0.91	5.00	NoLiq	24.00	77.83	1.252	0.0E0	0.000	1.448
18.75	1.18	1.30	0.91	5.00	NoLiq	24.01	77.85	1.251	0.0E0	0.000	1.448
18.70	1.18	1.30	0.91	5.00	NoLiq	24.03	77.88	1.250	0.0E0	0.000	1.448

18.65	1.18	1.30	0.91	5.00	NoLiq	24.04	77.91	1.249	0.0E0	0.000	1.448
18.60	1.18	1.30	0.91	5.00	NoLiq	24.06	77.94	1.248	0.0E0	0.000	1.448
18.55	1.18	1.30	0.91	5.00	NoLiq	24.08	77.97	1.247	0.0E0	0.000	1.448
18.50	1.18	1.30	0.91	5.00	NoLiq	24.09	78.00	1.246	0.0E0	0.000	1.448
18.45	1.19	1.30	0.91	5.00	NoLiq	24.11	78.02	1.245	0.0E0	0.000	1.448
18.40	1.19	1.30	0.91	5.00	NoLiq	24.12	78.05	1.245	0.0E0	0.000	1.448
18.35	1.19	1.30	0.91	5.00	NoLiq	24.14	78.08	1.244	0.0E0	0.000	1.448
18.30	1.19	1.30	0.91	5.00	NoLiq	24.15	78.11	1.243	0.0E0	0.000	1.448
18.25	1.19	1.30	0.91	5.00	NoLiq	24.17	78.14	1.242	0.0E0	0.000	1.448
18.20	1.19	1.30	0.92	5.00	NoLiq	24.18	78.17	1.241	0.0E0	0.000	1.448
18.15	1.19	1.30	0.92	5.00	NoLiq	24.20	78.20	1.240	0.0E0	0.000	1.448
18.10	1.19	1.30	0.92	5.00	NoLiq	24.21	78.22	1.239	0.0E0	0.000	1.448
18.05	1.19	1.30	0.92	5.00	NoLiq	24.23	78.25	1.238	0.0E0	0.000	1.448
18.00	1.19	1.30	0.92	5.00	NoLiq	24.24	78.28	1.237	0.0E0	0.000	1.448
17.95	1.19	1.30	0.92	5.00	NoLiq	24.26	78.31	1.236	0.0E0	0.000	1.448
17.90	1.19	1.30	0.92	5.00	NoLiq	24.27	78.34	1.235	0.0E0	0.000	1.448
17.85	1.20	1.30	0.92	5.00	NoLiq	24.29	78.37	1.234	0.0E0	0.000	1.448
17.80	1.20	1.30	0.92	5.00	NoLiq	24.31	78.40	1.233	0.0E0	0.000	1.448
17.75	1.20	1.30	0.92	5.00	NoLiq	24.32	78.43	1.232	0.0E0	0.000	1.448
17.70	1.20	1.30	0.92	5.00	NoLiq	24.34	78.46	1.231	0.0E0	0.000	1.448
17.65	1.20	1.30	0.92	5.00	NoLiq	24.35	78.49	1.230	0.0E0	0.000	1.448
17.60	1.20	1.30	0.92	5.00	NoLiq	24.37	78.52	1.229	0.0E0	0.000	1.448
17.55	1.20	1.30	0.92	5.00	NoLiq	24.38	78.55	1.228	0.0E0	0.000	1.448
17.50	1.20	1.30	0.93	5.00	NoLiq	24.40	78.58	1.227	0.0E0	0.000	1.448
17.45	1.20	1.30	0.93	5.00	NoLiq	24.61	78.97	1.214	0.0E0	0.000	1.448
17.40	1.20	1.30	0.93	5.00	NoLiq	24.82	79.37	1.201	0.0E0	0.000	1.448
17.35	1.21	1.30	0.93	5.00	NoLiq	25.03	79.78	1.188	0.0E0	0.000	1.448
17.30	1.21	1.30	0.93	5.00	NoLiq	25.24	80.18	1.175	0.0E0	0.000	1.448
17.25	1.21	1.30	0.93	5.00	NoLiq	25.45	80.59	1.161	0.0E0	0.000	1.448
17.20	1.21	1.30	0.93	5.00	NoLiq	25.66	81.00	1.148	0.0E0	0.000	1.448
17.15	1.21	1.30	0.93	5.00	NoLiq	25.88	81.41	1.135	0.0E0	0.000	1.448
17.10	1.21	1.30	0.93	5.00	NoLiq	26.09	81.83	1.122	0.0E0	0.000	1.448
17.05	1.21	1.30	0.93	5.00	NoLiq	26.30	82.25	1.108	0.0E0	0.000	1.448
17.00	1.21	1.30	0.93	5.00	NoLiq	26.51	82.68	1.095	0.0E0	0.000	1.448
16.95	1.21	1.30	0.93	5.00	NoLiq	26.75	83.14	1.080	0.0E0	0.000	1.448
16.90	1.21	1.30	0.93	5.00	NoLiq	26.98	83.61	1.066	0.0E0	0.000	1.448
16.85	1.22	1.30	0.94	5.00	NoLiq	27.22	84.09	1.051	0.0E0	0.000	1.448
16.80	1.22	1.30	0.94	5.00	NoLiq	27.45	84.57	1.036	0.0E0	0.000	1.448
16.75	1.22	1.30	0.94	5.00	NoLiq	27.69	85.06	1.022	0.0E0	0.000	1.448
16.70	1.22	1.30	0.94	5.00	NoLiq	27.92	85.55	1.007	0.0E0	0.000	1.448
16.65	1.22	1.30	0.94	5.00	NoLiq	28.16	86.05	0.984	0.0E0	0.000	1.448
16.60	1.22	1.30	0.94	5.00	NoLiq	28.40	86.56	0.953	0.0E0	0.000	1.448
16.55	1.22	1.30	0.94	5.00	NoLiq	28.64	87.07	0.923	0.0E0	0.000	1.448
16.50	1.22	1.30	0.94	5.00	NoLiq	28.88	87.59	0.892	0.0E0	0.000	1.448
16.45	1.22	1.30	0.94	5.00	NoLiq	29.13	88.11	0.861	0.0E0	0.000	1.448
16.40	1.23	1.30	0.94	5.00	NoLiq	29.37	88.65	0.830	0.0E0	0.000	1.448
16.35	1.23	1.30	0.94	5.00	NoLiq	29.61	89.19	0.799	0.0E0	0.000	1.448
16.30	1.23	1.30	0.94	5.00	NoLiq	29.86	89.73	0.768	0.0E0	0.000	1.448
16.25	1.23	1.30	0.95	5.00	NoLiq	30.10	90.29	0.736	0.0E0	0.000	1.448
16.20	1.23	1.30	0.95	5.00	NoLiq	30.35	90.85	0.705	0.0E0	0.000	1.448
16.15	1.23	1.30	0.95	5.00	NoLiq	30.60	91.42	0.673	0.0E0	0.000	1.448
16.10	1.23	1.30	0.95	5.00	NoLiq	30.85	92.00	0.642	0.0E0	0.000	1.448
16.05	1.23	1.30	0.95	5.00	NoLiq	31.09	92.58	0.610	0.0E0	0.000	1.448
16.00	1.23	1.30	0.95	5.00	NoLiq	31.35	93.18	0.578	0.0E0	0.000	1.448
15.95	1.24	1.30	0.95	5.00	NoLiq	31.60	93.78	0.546	0.0E0	0.000	1.448
15.90	1.24	1.30	0.95	5.00	NoLiq	31.85	94.40	0.514	0.0E0	0.000	1.448
15.85	1.24	1.30	0.95	5.00	NoLiq	32.10	95.02	0.471	0.0E0	0.000	1.448
15.80	1.24	1.30	0.95	5.00	NoLiq	32.36	95.65	0.422	0.0E0	0.000	1.448
15.75	1.24	1.30	0.95	5.00	NoLiq	32.61	96.29	0.372	0.0E0	0.000	1.448
15.70	1.24	1.30	0.96	5.00	NoLiq	32.87	96.94	0.322	0.0E0	0.000	1.448
15.65	1.24	1.30	0.96	5.00	NoLiq	33.13	97.60	0.272	0.0E0	0.000	1.448
15.60	1.24	1.30	0.96	5.00	NoLiq	33.39	98.27	0.222	0.0E0	0.000	1.448
15.55	1.25	1.30	0.96	5.00	NoLiq	33.65	98.96	0.195	0.0E0	0.000	1.448
15.50	1.25	1.30	0.96	5.00	NoLiq	33.91	99.65	0.187	0.0E0	0.000	1.448
15.45	1.25	1.30	0.96	5.00	NoLiq	34.17	100.00	0.178	0.0E0	0.000	1.448
15.40	1.25	1.30	0.96	5.00	NoLiq	34.44	100.00	0.170	0.0E0	0.000	1.448
15.35	1.25	1.30	0.96	5.00	NoLiq	34.70	100.00	0.161	0.0E0	0.000	1.448
15.30	1.25	1.30	0.96	5.00	NoLiq	34.97	100.00	0.153	0.0E0	0.000	1.448
15.25	1.25	1.30	0.97	5.00	NoLiq	35.23	100.00	0.144	0.0E0	0.000	1.448
15.20	1.26	1.30	0.97	5.00	NoLiq	35.50	100.00	0.135	0.0E0	0.000	1.448
15.15	1.26	1.30	0.97	5.00	NoLiq	35.77	100.00	0.127	0.0E0	0.000	1.448
15.10	1.26	1.30	0.97	5.00	NoLiq	36.04	100.00	0.118	0.0E0	0.000	1.448
15.05	1.26	1.30	0.97	5.00	NoLiq	36.31	100.00	0.109	0.0E0	0.000	1.448

15.00	1.26	1.30	0.97	5.00	NoLiq	36.59	100.00	0.100	0.0E0	0.000	1.448
14.95	1.26	1.30	0.97	5.00	NoLiq	36.86	100.00	0.000	0.0E0	0.000	1.448
14.90	1.26	1.30	0.97	5.00	NoLiq	37.14	100.00	0.000	0.0E0	0.000	1.448
14.85	1.27	1.30	0.97	5.00	NoLiq	37.41	100.00	0.000	0.0E0	0.000	1.448
14.80	1.27	1.30	0.98	5.00	NoLiq	37.69	100.00	0.000	0.0E0	0.000	1.448
14.75	1.27	1.30	0.98	5.00	NoLiq	34.50	100.00	0.168	0.0E0	0.000	1.448
14.70	1.27	1.30	0.98	5.00	NoLiq	34.75	100.00	0.160	0.0E0	0.000	1.448
14.65	1.27	1.30	0.98	5.00	NoLiq	35.00	100.00	0.152	0.0E0	0.000	1.448
14.60	1.27	1.30	0.98	5.00	NoLiq	35.26	100.00	0.143	0.0E0	0.000	1.448
14.55	1.28	1.30	0.98	5.00	NoLiq	35.51	100.00	0.135	0.0E0	0.000	1.448
14.50	1.28	1.30	0.98	5.00	NoLiq	35.77	100.00	0.127	0.0E0	0.000	1.448
14.45	1.28	1.30	0.98	5.00	NoLiq	36.02	100.00	0.119	0.0E0	0.000	1.448
14.40	1.28	1.30	0.99	5.00	NoLiq	36.28	100.00	0.110	0.0E0	0.000	1.448
14.35	1.28	1.30	0.99	5.00	NoLiq	36.54	100.00	0.102	0.0E0	0.000	1.448
14.30	1.28	1.30	0.99	5.00	NoLiq	36.80	100.00	0.000	0.0E0	0.000	1.448
14.25	1.29	1.30	0.99	5.00	NoLiq	37.06	100.00	0.000	0.0E0	0.000	1.448
14.20	1.29	1.30	0.99	5.00	NoLiq	37.33	100.00	0.000	0.0E0	0.000	1.448
14.15	1.29	1.30	0.99	5.00	NoLiq	37.59	100.00	0.000	0.0E0	0.000	1.448
14.10	1.29	1.30	0.99	5.00	NoLiq	37.86	100.00	0.000	0.0E0	0.000	1.448
14.05	1.29	1.30	0.99	5.00	NoLiq	38.12	100.00	0.000	0.0E0	0.000	1.448
14.00	1.29	1.30	1.00	5.00	NoLiq	38.39	100.00	0.000	0.0E0	0.000	1.448
13.95	1.30	1.30	1.00	5.00	NoLiq	38.66	100.00	0.000	0.0E0	0.000	1.448
13.90	1.30	1.30	1.00	5.00	NoLiq	38.93	100.00	0.000	0.0E0	0.000	1.448
13.85	1.30	1.30	1.00	5.00	NoLiq	39.20	100.00	0.000	0.0E0	0.000	1.448
13.80	1.30	1.30	1.00	5.00	NoLiq	39.48	100.00	0.000	0.0E0	0.000	1.448
13.75	1.30	1.30	1.00	5.00	NoLiq	39.75	100.00	0.000	0.0E0	0.000	1.448
13.70	1.31	1.30	1.00	5.00	NoLiq	40.03	100.00	0.000	0.0E0	0.000	1.448
13.65	1.31	1.30	1.01	5.00	NoLiq	40.31	100.00	0.000	0.0E0	0.000	1.448
13.60	1.31	1.30	1.01	5.00	NoLiq	40.59	100.00	0.000	0.0E0	0.000	1.448
13.55	1.31	1.30	1.01	5.00	NoLiq	40.87	100.00	0.000	0.0E0	0.000	1.448
13.50	1.31	1.30	1.01	5.00	NoLiq	41.15	100.00	0.000	0.0E0	0.000	1.448
13.45	1.32	1.30	1.01	5.00	NoLiq	41.43	100.00	0.000	0.0E0	0.000	1.448
13.40	1.32	1.30	1.01	5.00	NoLiq	41.72	100.00	0.000	0.0E0	0.000	1.448
13.35	1.32	1.30	1.02	5.00	NoLiq	42.01	100.00	0.000	0.0E0	0.000	1.448
13.30	1.32	1.30	1.02	5.00	NoLiq	42.30	100.00	0.000	0.0E0	0.000	1.448
13.25	1.32	1.30	1.02	5.00	NoLiq	42.59	100.00	0.000	0.0E0	0.000	1.448
13.20	1.33	1.30	1.02	5.00	NoLiq	42.88	100.00	0.000	0.0E0	0.000	1.448
13.15	1.33	1.30	1.02	5.00	NoLiq	43.17	100.00	0.000	0.0E0	0.000	1.448
13.10	1.33	1.30	1.02	5.00	NoLiq	43.46	100.00	0.000	0.0E0	0.000	1.448
13.05	1.33	1.30	1.03	5.00	NoLiq	43.76	100.00	0.000	0.0E0	0.000	1.448
13.00	1.33	1.30	1.03	5.00	NoLiq	44.06	100.00	0.000	0.0E0	0.000	1.448
12.95	1.34	1.30	1.03	5.00	NoLiq	44.36	100.00	0.000	0.0E0	0.000	1.448
12.90	1.34	1.30	1.03	5.00	NoLiq	44.66	100.00	0.000	0.0E0	0.000	1.448
12.85	1.34	1.30	1.03	5.00	NoLiq	44.96	100.00	0.000	0.0E0	0.000	1.448
12.80	1.34	1.30	1.03	5.00	NoLiq	45.27	100.00	0.000	0.0E0	0.000	1.448
12.75	1.35	1.30	1.04	5.00	NoLiq	45.57	100.00	0.000	0.0E0	0.000	1.448
12.70	1.35	1.30	1.04	5.00	NoLiq	45.88	100.00	0.000	0.0E0	0.000	1.448
12.65	1.35	1.30	1.04	5.00	NoLiq	46.19	100.00	0.000	0.0E0	0.000	1.448
12.60	1.35	1.30	1.04	5.00	NoLiq	46.50	100.00	0.000	0.0E0	0.000	1.448
12.55	1.36	1.30	1.04	5.00	NoLiq	46.82	100.00	0.000	0.0E0	0.000	1.448
12.50	1.36	1.30	1.05	5.00	NoLiq	47.13	100.00	0.000	0.0E0	0.000	1.448
12.45	1.36	1.30	1.05	5.00	NoLiq	47.24	100.00	0.000	0.0E0	0.000	1.448
12.40	1.36	1.30	1.05	5.00	NoLiq	47.35	100.00	0.000	0.0E0	0.000	1.448
12.35	1.37	1.30	1.05	5.00	NoLiq	47.45	100.00	0.000	0.0E0	0.000	1.448
12.30	1.37	1.30	1.05	5.00	NoLiq	47.56	100.00	0.000	0.0E0	0.000	1.448
12.25	1.37	1.30	1.06	5.00	NoLiq	47.67	100.00	0.000	0.0E0	0.000	1.448
12.20	1.38	1.30	1.06	5.00	NoLiq	47.78	100.00	0.000	0.0E0	0.000	1.448
12.15	1.38	1.30	1.06	5.00	NoLiq	47.89	100.00	0.000	0.0E0	0.000	1.448
12.10	1.38	1.30	1.06	5.00	NoLiq	48.00	100.00	0.000	0.0E0	0.000	1.448
12.05	1.38	1.30	1.06	5.00	NoLiq	48.11	100.00	0.000	0.0E0	0.000	1.448
12.00	1.39	1.30	1.07	5.00	NoLiq	48.22	100.00	0.000	0.0E0	0.000	1.448
11.95	1.39	1.30	1.07	5.00	NoLiq	48.33	100.00	0.000	0.0E0	0.000	1.448
11.90	1.39	1.30	1.07	5.00	NoLiq	48.44	100.00	0.000	0.0E0	0.000	1.448
11.85	1.39	1.30	1.07	5.00	NoLiq	48.55	100.00	0.000	0.0E0	0.000	1.448
11.80	1.40	1.30	1.07	5.00	NoLiq	48.67	100.00	0.000	0.0E0	0.000	1.448
11.75	1.40	1.30	1.08	5.00	NoLiq	48.78	100.00	0.000	0.0E0	0.000	1.448
11.70	1.40	1.30	1.08	5.00	NoLiq	48.89	100.00	0.000	0.0E0	0.000	1.448
11.65	1.40	1.30	1.08	5.00	NoLiq	49.01	100.00	0.000	0.0E0	0.000	1.448
11.60	1.41	1.30	1.08	5.00	NoLiq	49.12	100.00	0.000	0.0E0	0.000	1.448
11.55	1.41	1.30	1.08	5.00	NoLiq	49.24	100.00	0.000	0.0E0	0.000	1.448
11.50	1.41	1.30	1.09	5.00	NoLiq	49.36	100.00	0.000	0.0E0	0.000	1.448
11.45	1.41	1.30	1.09	5.00	NoLiq	49.47	100.00	0.000	0.0E0	0.000	1.448
11.40	1.42	1.30	1.09	5.00	NoLiq	49.59	100.00	0.000	0.0E0	0.000	1.448

11.35	1.42	1.30	1.09	5.00	NoLiq	49.71	100.00	0.000	0.0E0	0.000	1.448
11.30	1.42	1.30	1.09	5.00	NoLiq	49.83	100.00	0.000	0.0E0	0.000	1.448
11.25	1.42	1.30	1.10	5.00	NoLiq	49.95	100.00	0.000	0.0E0	0.000	1.448
11.20	1.43	1.30	1.10	5.00	NoLiq	50.07	100.00	0.000	0.0E0	0.000	1.448
11.15	1.43	1.30	1.10	5.00	NoLiq	50.19	100.00	0.000	0.0E0	0.000	1.448
11.10	1.43	1.30	1.10	5.00	NoLiq	50.31	100.00	0.000	0.0E0	0.000	1.448
11.05	1.44	1.30	1.10	5.00	NoLiq	50.43	100.00	0.000	0.0E0	0.000	1.448
11.00	1.44	1.30	1.11	5.00	NoLiq	50.56	100.00	0.000	0.0E0	0.000	1.448
10.95	1.44	1.30	1.11	5.00	NoLiq	50.68	100.00	0.000	0.0E0	0.000	1.448
10.90	1.44	1.30	1.11	5.00	NoLiq	50.81	100.00	0.000	0.0E0	0.000	1.448
10.85	1.45	1.30	1.11	5.00	NoLiq	50.93	100.00	0.000	0.0E0	0.000	1.448
10.80	1.45	1.30	1.11	5.00	NoLiq	51.06	100.00	0.000	0.0E0	0.000	1.448
10.75	1.45	1.30	1.12	5.00	NoLiq	51.18	100.00	0.000	0.0E0	0.000	1.448
10.70	1.45	1.30	1.12	5.00	NoLiq	51.31	100.00	0.000	0.0E0	0.000	1.448
10.65	1.46	1.30	1.12	5.00	NoLiq	51.44	100.00	0.000	0.0E0	0.000	1.448
10.60	1.46	1.30	1.12	5.00	NoLiq	51.57	100.00	0.000	0.0E0	0.000	1.448
10.55	1.46	1.30	1.12	5.00	NoLiq	51.70	100.00	0.000	0.0E0	0.000	1.448
10.50	1.46	1.30	1.13	5.00	NoLiq	51.82	100.00	0.000	0.0E0	0.000	1.448
10.45	1.47	1.30	1.13	5.00	NoLiq	51.96	100.00	0.000	0.0E0	0.000	1.448
10.40	1.47	1.30	1.13	5.00	NoLiq	52.09	100.00	0.000	0.0E0	0.000	1.448
10.35	1.47	1.30	1.13	5.00	NoLiq	52.22	100.00	0.000	0.0E0	0.000	1.448
10.30	1.47	1.30	1.13	5.00	NoLiq	52.35	100.00	0.000	0.0E0	0.000	1.448
10.25	1.48	1.30	1.14	5.00	NoLiq	52.49	100.00	0.000	0.0E0	0.000	1.448
10.20	1.48	1.30	1.14	5.00	NoLiq	52.62	100.00	0.000	0.0E0	0.000	1.448
10.15	1.48	1.30	1.14	5.00	NoLiq	52.75	100.00	0.000	0.0E0	0.000	1.448
10.10	1.48	1.30	1.14	5.00	NoLiq	52.89	100.00	0.000	0.0E0	0.000	1.448
10.05	1.49	1.30	1.14	5.00	NoLiq	53.03	100.00	0.000	0.0E0	0.000	1.448
10.00	1.49	1.30	1.14	5.00	NoLiq	53.16	100.00	0.000	0.0E0	0.000	1.448
9.95	1.49	1.30	1.15	5.00	NoLiq	53.30	100.00	0.000	0.0E0	0.000	1.448
9.90	1.49	1.30	1.15	5.00	NoLiq	53.44	100.00	0.000	0.0E0	0.000	1.448
9.85	1.49	1.30	1.15	5.00	NoLiq	53.58	100.00	0.000	0.0E0	0.000	1.448
9.80	1.50	1.30	1.15	5.00	NoLiq	53.72	100.00	0.000	0.0E0	0.000	1.448
9.75	1.50	1.30	1.15	5.00	NoLiq	53.86	100.00	0.000	0.0E0	0.000	1.448
9.70	1.50	1.30	1.16	5.00	NoLiq	54.01	100.00	0.000	0.0E0	0.000	1.448
9.65	1.50	1.30	1.16	5.00	NoLiq	54.15	100.00	0.000	0.0E0	0.000	1.448
9.60	1.51	1.30	1.16	5.00	NoLiq	54.29	100.00	0.000	0.0E0	0.000	1.448
9.55	1.51	1.30	1.16	5.00	NoLiq	54.44	100.00	0.000	0.0E0	0.000	1.448
9.50	1.51	1.30	1.16	5.00	NoLiq	54.58	100.00	0.000	0.0E0	0.000	1.448
9.45	1.51	1.30	1.16	5.00	NoLiq	54.73	100.00	0.000	0.0E0	0.000	1.448
9.40	1.51	1.30	1.17	5.00	NoLiq	54.88	100.00	0.000	0.0E0	0.000	1.448
9.35	1.52	1.30	1.17	5.00	NoLiq	55.02	100.00	0.000	0.0E0	0.000	1.448
9.30	1.52	1.30	1.17	5.00	NoLiq	55.17	100.00	0.000	0.0E0	0.000	1.448
9.25	1.52	1.30	1.17	5.00	NoLiq	55.32	100.00	0.000	0.0E0	0.000	1.448
9.20	1.52	1.30	1.17	5.00	NoLiq	55.47	100.00	0.000	0.0E0	0.000	1.448
9.15	1.52	1.30	1.17	5.00	NoLiq	55.63	100.00	0.000	0.0E0	0.000	1.448
9.10	1.53	1.30	1.17	5.00	NoLiq	55.78	100.00	0.000	0.0E0	0.000	1.448
9.05	1.53	1.30	1.18	5.00	NoLiq	55.93	100.00	0.000	0.0E0	0.000	1.448
9.00	1.53	1.30	1.18	5.00	NoLiq	56.09	100.00	0.000	0.0E0	0.000	1.448
8.95	1.53	1.30	1.18	5.00	NoLiq	56.24	100.00	0.000	0.0E0	0.000	1.448
8.90	1.53	1.30	1.18	5.00	NoLiq	56.40	100.00	0.000	0.0E0	0.000	1.448
8.85	1.53	1.30	1.18	5.00	NoLiq	56.55	100.00	0.000	0.0E0	0.000	1.448
8.80	1.54	1.30	1.18	5.00	NoLiq	56.71	100.00	0.000	0.0E0	0.000	1.448
8.75	1.54	1.30	1.18	5.00	NoLiq	56.87	100.00	0.000	0.0E0	0.000	1.448
8.70	1.54	1.30	1.19	5.00	NoLiq	57.03	100.00	0.000	0.0E0	0.000	1.448
8.65	1.54	1.30	1.19	5.00	NoLiq	57.19	100.00	0.000	0.0E0	0.000	1.448
8.60	1.54	1.30	1.19	5.00	NoLiq	57.35	100.00	0.000	0.0E0	0.000	1.448
8.55	1.54	1.30	1.19	5.00	NoLiq	57.52	100.00	0.000	0.0E0	0.000	1.448
8.50	1.55	1.30	1.19	5.00	NoLiq	57.68	100.00	0.000	0.0E0	0.000	1.448
8.45	1.55	1.30	1.19	5.00	NoLiq	57.85	100.00	0.000	0.0E0	0.000	1.448
8.40	1.55	1.30	1.19	5.00	NoLiq	58.01	100.00	0.000	0.0E0	0.000	1.448
8.35	1.55	1.30	1.19	5.00	NoLiq	58.18	100.00	0.000	0.0E0	0.000	1.448
8.30	1.55	1.30	1.19	5.00	NoLiq	58.35	100.00	0.000	0.0E0	0.000	1.448
8.25	1.55	1.30	1.19	5.00	NoLiq	58.52	100.00	0.000	0.0E0	0.000	1.448
8.20	1.55	1.30	1.20	5.00	NoLiq	52.37	100.00	0.000	0.0E0	0.000	1.448
8.15	1.55	1.30	1.20	5.00	NoLiq	52.52	100.00	0.000	0.0E0	0.000	1.448
8.10	1.56	1.30	1.20	5.00	NoLiq	52.68	100.00	0.000	0.0E0	0.000	1.448
8.05	1.56	1.30	1.20	5.00	NoLiq	52.83	100.00	0.000	0.0E0	0.000	1.448
8.00	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.95	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.90	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.85	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.80	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.75	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448

7.70	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.65	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.60	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.55	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448
7.50	1.56	1.30	1.20	5.00	NoLiq	52.97	100.00	0.000	0.0E0	0.000	1.448

Settlement of Saturated Sands=1.448 in.
qc1 and (N1)60 is after fines correction in liquefaction analysis
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

Depth	sigma'	sigC'	(N1)60s	CSRsf	Gmax	g*Ge/Gm	g_eff	ec7.5	Cec	ec	dsz	dsp	S
ft	atm	atm			atm			%		%	in.	in.	in.

Settlement of Unsaturated Sands

Settlement of Unsaturated Sands=0.000 in.
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=1.448 in.
Differential Settlement=0.724 to 0.956 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf(1 tsf = 1 ton/ft2 = 2 kip/ft2)
1 atm (atmosphere) = 101.325 kPa(1 kPa = 1 kN/m2 = 0.001 Mpa)

SPT	Field data from Standard Penetration Test (SPT)
BPT	Field data from Becker Penetration Test (BPT)
qc	Field data from Cone Penetration Test (CPT) [atm (tsf)]
fs	Friction from CPT testing [atm (tsf)]
Rf	Ratio of fs/qc (%)
gamma	Total unit weight of soil
gamma'	Effective unit weight of soil
Fines	Fines content [%]
D50	Mean grain size
Dr	Relative Density
sigma	Total vertical stress [atm]
sigma'	Effective vertical stress [atm]
sigC'	Effective confining pressure [atm]
rd	Acceleration reduction coefficient by Seed
a_max.	Peak Ground Acceleration (PGA) in ground surface
mZ	Linear acceleration reduction coefficient X depth
a_min.	Minimum acceleration under linear reduction, mZ
CRRv	CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
CRR7.5	Cyclic resistance ratio (M=7.5)
Ksig	Overburden stress correction factor for CRR7.5
CRRm	After magnitude scaling correction CRRm=CRRv * MSF
MSF	Magnitude scaling factor from M=7.5 to user input M
CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F.S.	Calculated factor of safety against liquefaction F.S.=CRRm/CSRsf
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT

qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1
qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement calculation CSRm=CSRsf / MSF*
CSRfs	Cyclic stress ratio induced by earthquake with user inputed fs
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2 of Page C.
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5
NoLiq	No-Liquefy Soils

References:

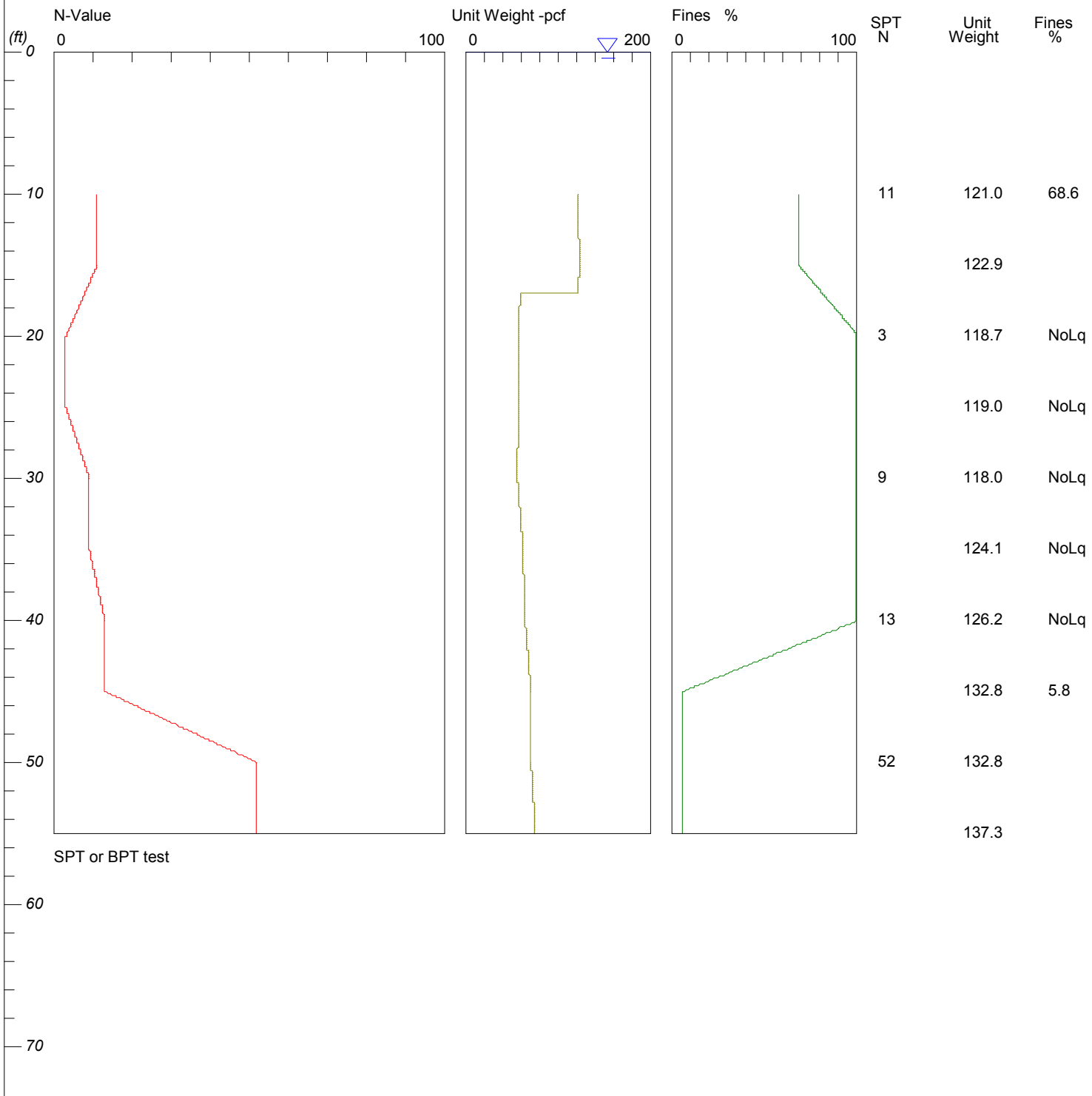
1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T.L., and Idriss, I.M., eds., Technical Report NCEER 97-0022.
SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for
Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.
2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth
International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center,
Report No. EERC 2003-06 by R.B Seed and etc. April 2003.

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-3-18 ***Water Depth=0 ft***

Magnitude=6.73
Acceleration=0.517g



SPT N	Unit Weight	Fines %
11	121.0	68.6
	122.9	
3	118.7	NoLq
	119.0	NoLq
9	118.0	NoLq
	124.1	NoLq
13	126.2	NoLq
	132.8	5.8
52	132.8	
	137.3	

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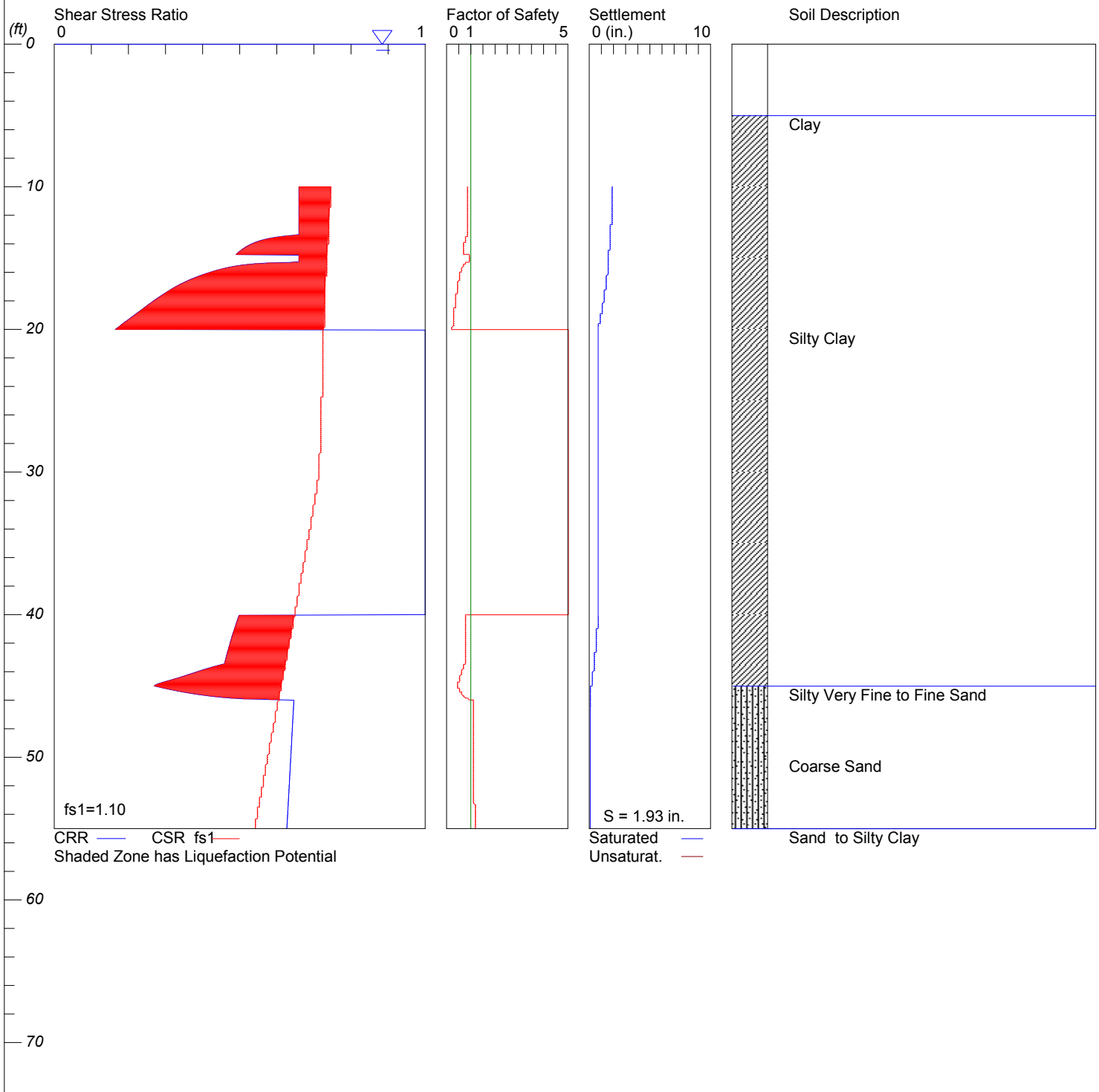
LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-3-18 Water Depth=0 ft

Magnitude=6.73
Acceleration=0.517g



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LIQUEFACTION ANALYSIS CALCULATION DETAILS
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Input File Name: C:\Users\jgurunathan\OneDrive\Work\Projects\6792A -- Sportsmens August 2018\Liquefaction\B-3-18 Reduced.liq
Title: Sportsmen's Lodge
Subtitle: Boring B-3-18 Analysis (2/3 PGAm)

Input Data:
Surface Elev.=
Hole No.=B-3-18
Depth of Hole=55.00 ft
Water Table during Earthquake= 0.00 ft
Water Table during In-Situ Testing= 17.00 ft
Max. Acceleration=0.52 g
Earthquake Magnitude=6.73
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Idriss/Seed
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.42
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.1
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
10.00	11.00	121.00	68.60
15.00	11.00	122.90	68.60
20.00	3.00	118.70	NoLiq
25.00	3.00	119.00	NoLiq
30.00	9.00	118.00	NoLiq
35.00	9.00	124.10	NoLiq
40.00	13.00	126.20	NoLiq
45.00	13.00	132.80	5.80
50.00	52.00	132.80	5.80
55.00	52.00	137.30	5.80

Output Results:
Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.52g

CSR Calculation:

Depth ft	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ g	a(z) g	CSR	x fs1	=CSRfs
10.00	121.00	0.572	58.60	0.277	0.98	0.000	0.517	0.68	1.10	0.75
10.05	121.02	0.575	58.62	0.278	0.98	0.000	0.517	0.68	1.10	0.75
10.10	121.04	0.577	58.64	0.280	0.98	0.000	0.517	0.68	1.10	0.75
10.15	121.06	0.580	58.66	0.281	0.98	0.000	0.517	0.68	1.10	0.75
10.20	121.08	0.583	58.68	0.282	0.98	0.000	0.517	0.68	1.10	0.75
10.25	121.10	0.586	58.69	0.284	0.98	0.000	0.517	0.68	1.10	0.75
10.30	121.11	0.589	58.71	0.285	0.98	0.000	0.517	0.68	1.10	0.74
10.35	121.13	0.592	58.73	0.287	0.98	0.000	0.517	0.68	1.10	0.74
10.40	121.15	0.595	58.75	0.288	0.98	0.000	0.517	0.68	1.10	0.74

10.45	121.17	0.598	58.77	0.289	0.98	0.000	0.517	0.68	1.10	0.74
10.50	121.19	0.600	58.79	0.291	0.98	0.000	0.517	0.68	1.10	0.74
10.55	121.21	0.603	58.81	0.292	0.98	0.000	0.517	0.68	1.10	0.74
10.60	121.23	0.606	58.83	0.294	0.98	0.000	0.517	0.68	1.10	0.74
10.65	121.25	0.609	58.85	0.295	0.98	0.000	0.517	0.68	1.10	0.74
10.70	121.27	0.612	58.87	0.296	0.98	0.000	0.517	0.68	1.10	0.74
10.75	121.29	0.615	58.89	0.298	0.97	0.000	0.517	0.68	1.10	0.74
10.80	121.30	0.618	58.90	0.299	0.97	0.000	0.517	0.68	1.10	0.74
10.85	121.32	0.620	58.92	0.301	0.97	0.000	0.517	0.68	1.10	0.74
10.90	121.34	0.623	58.94	0.302	0.97	0.000	0.517	0.68	1.10	0.74
10.95	121.36	0.626	58.96	0.303	0.97	0.000	0.517	0.68	1.10	0.74
11.00	121.38	0.629	58.98	0.305	0.97	0.000	0.517	0.68	1.10	0.74
11.05	121.40	0.632	59.00	0.306	0.97	0.000	0.517	0.68	1.10	0.74
11.10	121.42	0.635	59.02	0.307	0.97	0.000	0.517	0.68	1.10	0.74
11.15	121.44	0.638	59.04	0.309	0.97	0.000	0.517	0.68	1.10	0.74
11.20	121.46	0.641	59.06	0.310	0.97	0.000	0.517	0.68	1.10	0.74
11.25	121.47	0.643	59.07	0.312	0.97	0.000	0.517	0.68	1.10	0.74
11.30	121.49	0.646	59.09	0.313	0.97	0.000	0.517	0.68	1.10	0.74
11.35	121.51	0.649	59.11	0.314	0.97	0.000	0.517	0.68	1.10	0.74
11.40	121.53	0.652	59.13	0.316	0.97	0.000	0.517	0.68	1.10	0.74
11.45	121.55	0.655	59.15	0.317	0.97	0.000	0.517	0.68	1.10	0.74
11.50	121.57	0.658	59.17	0.319	0.97	0.000	0.517	0.68	1.10	0.74
11.55	121.59	0.661	59.19	0.320	0.97	0.000	0.517	0.67	1.10	0.74
11.60	121.61	0.663	59.21	0.321	0.97	0.000	0.517	0.67	1.10	0.74
11.65	121.63	0.666	59.23	0.323	0.97	0.000	0.517	0.67	1.10	0.74
11.70	121.65	0.669	59.25	0.324	0.97	0.000	0.517	0.67	1.10	0.74
11.75	121.67	0.672	59.26	0.326	0.97	0.000	0.517	0.67	1.10	0.74
11.80	121.68	0.675	59.28	0.327	0.97	0.000	0.517	0.67	1.10	0.74
11.85	121.70	0.678	59.30	0.328	0.97	0.000	0.517	0.67	1.10	0.74
11.90	121.72	0.681	59.32	0.330	0.97	0.000	0.517	0.67	1.10	0.74
11.95	121.74	0.684	59.34	0.331	0.97	0.000	0.517	0.67	1.10	0.74
12.00	121.76	0.686	59.36	0.333	0.97	0.000	0.517	0.67	1.10	0.74
12.05	121.78	0.689	59.38	0.334	0.97	0.000	0.517	0.67	1.10	0.74
12.10	121.80	0.692	59.40	0.335	0.97	0.000	0.517	0.67	1.10	0.74
12.15	121.82	0.695	59.42	0.337	0.97	0.000	0.517	0.67	1.10	0.74
12.20	121.84	0.698	59.44	0.338	0.97	0.000	0.517	0.67	1.10	0.74
12.25	121.86	0.701	59.46	0.340	0.97	0.000	0.517	0.67	1.10	0.74
12.30	121.87	0.704	59.47	0.341	0.97	0.000	0.517	0.67	1.10	0.74
12.35	121.89	0.707	59.49	0.342	0.97	0.000	0.517	0.67	1.10	0.74
12.40	121.91	0.710	59.51	0.344	0.97	0.000	0.517	0.67	1.10	0.74
12.45	121.93	0.712	59.53	0.345	0.97	0.000	0.517	0.67	1.10	0.74
12.50	121.95	0.715	59.55	0.347	0.97	0.000	0.517	0.67	1.10	0.74
12.55	121.97	0.718	59.57	0.348	0.97	0.000	0.517	0.67	1.10	0.74
12.60	121.99	0.721	59.59	0.350	0.97	0.000	0.517	0.67	1.10	0.74
12.65	122.01	0.724	59.61	0.351	0.97	0.000	0.517	0.67	1.10	0.74
12.70	122.03	0.727	59.63	0.352	0.97	0.000	0.517	0.67	1.10	0.74
12.75	122.05	0.730	59.65	0.354	0.97	0.000	0.517	0.67	1.10	0.74
12.80	122.06	0.733	59.66	0.355	0.97	0.000	0.517	0.67	1.10	0.74
12.85	122.08	0.735	59.68	0.357	0.97	0.000	0.517	0.67	1.10	0.74
12.90	122.10	0.738	59.70	0.358	0.97	0.000	0.517	0.67	1.10	0.74
12.95	122.12	0.741	59.72	0.359	0.97	0.000	0.517	0.67	1.10	0.74
13.00	122.14	0.744	59.74	0.361	0.97	0.000	0.517	0.67	1.10	0.74
13.05	122.16	0.747	59.76	0.362	0.97	0.000	0.517	0.67	1.10	0.74
13.10	122.18	0.750	59.78	0.364	0.97	0.000	0.517	0.67	1.10	0.74
13.15	122.20	0.753	59.80	0.365	0.97	0.000	0.517	0.67	1.10	0.74
13.20	122.22	0.756	59.82	0.366	0.97	0.000	0.517	0.67	1.10	0.74
13.25	122.24	0.759	59.84	0.368	0.97	0.000	0.517	0.67	1.10	0.74
13.30	122.25	0.761	59.85	0.369	0.97	0.000	0.517	0.67	1.10	0.74
13.35	122.27	0.764	59.87	0.371	0.97	0.000	0.517	0.67	1.10	0.74
13.40	122.29	0.767	59.89	0.372	0.97	0.000	0.517	0.67	1.10	0.74
13.45	122.31	0.770	59.91	0.373	0.97	0.000	0.517	0.67	1.10	0.74
13.50	122.33	0.773	59.93	0.375	0.97	0.000	0.517	0.67	1.10	0.74
13.55	122.35	0.776	59.95	0.376	0.97	0.000	0.517	0.67	1.10	0.74
13.60	122.37	0.779	59.97	0.378	0.97	0.000	0.517	0.67	1.10	0.74
13.65	122.39	0.782	59.99	0.379	0.97	0.000	0.517	0.67	1.10	0.74
13.70	122.41	0.785	60.01	0.381	0.97	0.000	0.517	0.67	1.10	0.74
13.75	122.43	0.787	60.03	0.382	0.97	0.000	0.517	0.67	1.10	0.74
13.80	122.44	0.790	60.04	0.383	0.97	0.000	0.517	0.67	1.10	0.74
13.85	122.46	0.793	60.06	0.385	0.97	0.000	0.517	0.67	1.10	0.74
13.90	122.48	0.796	60.08	0.386	0.97	0.000	0.517	0.67	1.10	0.74
13.95	122.50	0.799	60.10	0.388	0.97	0.000	0.517	0.67	1.10	0.74
14.00	122.52	0.802	60.12	0.389	0.97	0.000	0.517	0.67	1.10	0.74
14.05	122.54	0.805	60.14	0.391	0.97	0.000	0.517	0.67	1.10	0.74

14.10	122.56	0.808	60.16	0.392	0.97	0.000	0.517	0.67	1.10	0.74
14.15	122.58	0.811	60.18	0.393	0.97	0.000	0.517	0.67	1.10	0.74
14.20	122.60	0.813	60.20	0.395	0.97	0.000	0.517	0.67	1.10	0.74
14.25	122.62	0.816	60.22	0.396	0.97	0.000	0.517	0.67	1.10	0.74
14.30	122.63	0.819	60.23	0.398	0.97	0.000	0.517	0.67	1.10	0.74
14.35	122.65	0.822	60.25	0.399	0.97	0.000	0.517	0.67	1.10	0.74
14.40	122.67	0.825	60.27	0.400	0.97	0.000	0.517	0.67	1.10	0.74
14.45	122.69	0.828	60.29	0.402	0.97	0.000	0.517	0.67	1.10	0.74
14.50	122.71	0.831	60.31	0.403	0.97	0.000	0.517	0.67	1.10	0.74
14.55	122.73	0.834	60.33	0.405	0.97	0.000	0.517	0.67	1.10	0.74
14.60	122.75	0.837	60.35	0.406	0.97	0.000	0.517	0.67	1.10	0.74
14.65	122.77	0.840	60.37	0.408	0.97	0.000	0.517	0.67	1.10	0.74
14.70	122.79	0.842	60.39	0.409	0.97	0.000	0.517	0.67	1.10	0.74
14.75	122.81	0.845	60.41	0.410	0.97	0.000	0.517	0.67	1.10	0.74
14.80	122.82	0.848	60.42	0.412	0.97	0.000	0.517	0.67	1.10	0.74
14.85	122.84	0.851	60.44	0.413	0.97	0.000	0.517	0.67	1.10	0.73
14.90	122.86	0.854	60.46	0.415	0.97	0.000	0.517	0.67	1.10	0.73
14.95	122.88	0.857	60.48	0.416	0.97	0.000	0.517	0.67	1.10	0.73
15.00	122.90	0.860	60.50	0.418	0.97	0.000	0.517	0.67	1.10	0.73
15.05	122.86	0.863	60.46	0.419	0.96	0.000	0.517	0.67	1.10	0.73
15.10	122.82	0.866	60.42	0.420	0.96	0.000	0.517	0.67	1.10	0.73
15.15	122.77	0.869	60.37	0.422	0.96	0.000	0.517	0.67	1.10	0.73
15.20	122.73	0.872	60.33	0.423	0.96	0.000	0.517	0.67	1.10	0.73
15.25	122.69	0.874	60.29	0.425	0.96	0.000	0.517	0.67	1.10	0.73
15.30	122.65	0.877	60.25	0.426	0.96	0.000	0.517	0.67	1.10	0.73
15.35	122.61	0.880	60.21	0.428	0.96	0.000	0.517	0.67	1.10	0.73
15.40	122.56	0.883	60.16	0.429	0.96	0.000	0.517	0.67	1.10	0.73
15.45	122.52	0.886	60.12	0.430	0.96	0.000	0.517	0.67	1.10	0.73
15.50	122.48	0.889	60.08	0.432	0.96	0.000	0.517	0.67	1.10	0.73
15.55	122.44	0.892	60.04	0.433	0.96	0.000	0.517	0.67	1.10	0.73
15.60	122.40	0.895	60.00	0.435	0.96	0.000	0.517	0.67	1.10	0.73
15.65	122.35	0.898	59.95	0.436	0.96	0.000	0.517	0.67	1.10	0.73
15.70	122.31	0.900	59.91	0.438	0.96	0.000	0.517	0.67	1.10	0.73
15.75	122.27	0.903	59.87	0.439	0.96	0.000	0.517	0.67	1.10	0.73
15.80	122.23	0.906	59.83	0.440	0.96	0.000	0.517	0.67	1.10	0.73
15.85	122.19	0.909	59.79	0.442	0.96	0.000	0.517	0.67	1.10	0.73
15.90	122.14	0.912	59.74	0.443	0.96	0.000	0.517	0.67	1.10	0.73
15.95	122.10	0.915	59.70	0.445	0.96	0.000	0.517	0.67	1.10	0.73
16.00	122.06	0.918	59.66	0.446	0.96	0.000	0.517	0.67	1.10	0.73
16.05	122.02	0.921	59.62	0.447	0.96	0.000	0.517	0.67	1.10	0.73
16.10	121.98	0.924	59.58	0.449	0.96	0.000	0.517	0.67	1.10	0.73
16.15	121.93	0.926	59.53	0.450	0.96	0.000	0.517	0.67	1.10	0.73
16.20	121.89	0.929	59.49	0.452	0.96	0.000	0.517	0.67	1.10	0.73
16.25	121.85	0.932	59.45	0.453	0.96	0.000	0.517	0.67	1.10	0.73
16.30	121.81	0.935	59.41	0.454	0.96	0.000	0.517	0.67	1.10	0.73
16.35	121.77	0.938	59.37	0.456	0.96	0.000	0.517	0.67	1.10	0.73
16.40	121.72	0.941	59.32	0.457	0.96	0.000	0.517	0.67	1.10	0.73
16.45	121.68	0.944	59.28	0.459	0.96	0.000	0.517	0.66	1.10	0.73
16.50	121.64	0.947	59.24	0.460	0.96	0.000	0.517	0.66	1.10	0.73
16.55	121.60	0.949	59.20	0.461	0.96	0.000	0.517	0.66	1.10	0.73
16.60	121.56	0.952	59.16	0.463	0.96	0.000	0.517	0.66	1.10	0.73
16.65	121.51	0.955	59.11	0.464	0.96	0.000	0.517	0.66	1.10	0.73
16.70	121.47	0.958	59.07	0.466	0.96	0.000	0.517	0.66	1.10	0.73
16.75	121.43	0.961	59.03	0.467	0.96	0.000	0.517	0.66	1.10	0.73
16.80	121.39	0.964	58.99	0.468	0.96	0.000	0.517	0.66	1.10	0.73
16.85	121.35	0.967	58.95	0.470	0.96	0.000	0.517	0.66	1.10	0.73
16.90	121.30	0.970	58.90	0.471	0.96	0.000	0.517	0.66	1.10	0.73
16.95	121.26	0.972	58.86	0.473	0.96	0.000	0.517	0.66	1.10	0.73
17.00	121.22	0.975	58.82	0.474	0.96	0.000	0.517	0.66	1.10	0.73
17.05	121.18	0.978	58.78	0.475	0.96	0.000	0.517	0.66	1.10	0.73
17.10	121.14	0.981	58.74	0.477	0.96	0.000	0.517	0.66	1.10	0.73
17.15	121.09	0.984	58.69	0.478	0.96	0.000	0.517	0.66	1.10	0.73
17.20	121.05	0.987	58.65	0.480	0.96	0.000	0.517	0.66	1.10	0.73
17.25	121.01	0.990	58.61	0.481	0.96	0.000	0.517	0.66	1.10	0.73
17.30	120.97	0.992	58.57	0.482	0.96	0.000	0.517	0.66	1.10	0.73
17.35	120.93	0.995	58.53	0.484	0.96	0.000	0.517	0.66	1.10	0.73
17.40	120.88	0.998	58.48	0.485	0.96	0.000	0.517	0.66	1.10	0.73
17.45	120.84	1.001	58.44	0.486	0.96	0.000	0.517	0.66	1.10	0.73
17.50	120.80	1.004	58.40	0.488	0.96	0.000	0.517	0.66	1.10	0.73
17.55	120.76	1.007	58.36	0.489	0.96	0.000	0.517	0.66	1.10	0.73
17.60	120.72	1.010	58.32	0.491	0.96	0.000	0.517	0.66	1.10	0.73
17.65	120.67	1.012	58.27	0.492	0.96	0.000	0.517	0.66	1.10	0.73
17.70	120.63	1.015	58.23	0.493	0.96	0.000	0.517	0.66	1.10	0.73

17.75	120.59	1.018	58.19	0.495	0.96	0.000	0.517	0.66	1.10	0.73
17.80	120.55	1.021	58.15	0.496	0.96	0.000	0.517	0.66	1.10	0.73
17.85	120.51	1.024	58.11	0.497	0.96	0.000	0.517	0.66	1.10	0.73
17.90	120.46	1.027	58.06	0.499	0.96	0.000	0.517	0.66	1.10	0.73
17.95	120.42	1.030	58.02	0.500	0.96	0.000	0.517	0.66	1.10	0.73
18.00	120.38	1.032	57.98	0.502	0.96	0.000	0.517	0.66	1.10	0.73
18.05	120.34	1.035	57.94	0.503	0.96	0.000	0.517	0.66	1.10	0.73
18.10	120.30	1.038	57.90	0.504	0.96	0.000	0.517	0.66	1.10	0.73
18.15	120.25	1.041	57.85	0.506	0.96	0.000	0.517	0.66	1.10	0.73
18.20	120.21	1.044	57.81	0.507	0.96	0.000	0.517	0.66	1.10	0.73
18.25	120.17	1.047	57.77	0.508	0.96	0.000	0.517	0.66	1.10	0.73
18.30	120.13	1.049	57.73	0.510	0.96	0.000	0.517	0.66	1.10	0.73
18.35	120.09	1.052	57.69	0.511	0.96	0.000	0.517	0.66	1.10	0.73
18.40	120.04	1.055	57.64	0.513	0.96	0.000	0.517	0.66	1.10	0.73
18.45	120.00	1.058	57.60	0.514	0.96	0.000	0.517	0.66	1.10	0.73
18.50	119.96	1.061	57.56	0.515	0.96	0.000	0.517	0.66	1.10	0.73
18.55	119.92	1.064	57.52	0.517	0.96	0.000	0.517	0.66	1.10	0.73
18.60	119.88	1.066	57.48	0.518	0.96	0.000	0.517	0.66	1.10	0.73
18.65	119.83	1.069	57.43	0.519	0.96	0.000	0.517	0.66	1.10	0.73
18.70	119.79	1.072	57.39	0.521	0.96	0.000	0.517	0.66	1.10	0.73
18.75	119.75	1.075	57.35	0.522	0.96	0.000	0.517	0.66	1.10	0.73
18.80	119.71	1.078	57.31	0.523	0.96	0.000	0.517	0.66	1.10	0.73
18.85	119.67	1.081	57.27	0.525	0.96	0.000	0.517	0.66	1.10	0.73
18.90	119.62	1.083	57.22	0.526	0.96	0.000	0.517	0.66	1.10	0.73
18.95	119.58	1.086	57.18	0.527	0.96	0.000	0.517	0.66	1.10	0.73
19.00	119.54	1.089	57.14	0.529	0.96	0.000	0.517	0.66	1.10	0.73
19.05	119.50	1.092	57.10	0.530	0.96	0.000	0.517	0.66	1.10	0.73
19.10	119.46	1.095	57.06	0.532	0.96	0.000	0.517	0.66	1.10	0.73
19.15	119.41	1.098	57.01	0.533	0.96	0.000	0.517	0.66	1.10	0.73
19.20	119.37	1.100	56.97	0.534	0.96	0.000	0.517	0.66	1.10	0.73
19.25	119.33	1.103	56.93	0.536	0.96	0.000	0.517	0.66	1.10	0.73
19.30	119.29	1.106	56.89	0.537	0.96	0.000	0.517	0.66	1.10	0.73
19.35	119.25	1.109	56.85	0.538	0.95	0.000	0.517	0.66	1.10	0.73
19.40	119.20	1.112	56.80	0.540	0.95	0.000	0.517	0.66	1.10	0.73
19.45	119.16	1.114	56.76	0.541	0.95	0.000	0.517	0.66	1.10	0.73
19.50	119.12	1.117	56.72	0.542	0.95	0.000	0.517	0.66	1.10	0.73
19.55	119.08	1.120	56.68	0.544	0.95	0.000	0.517	0.66	1.10	0.73
19.60	119.04	1.123	56.64	0.545	0.95	0.000	0.517	0.66	1.10	0.73
19.65	118.99	1.126	56.59	0.546	0.95	0.000	0.517	0.66	1.10	0.73
19.70	118.95	1.129	56.55	0.548	0.95	0.000	0.517	0.66	1.10	0.73
19.75	118.91	1.131	56.51	0.549	0.95	0.000	0.517	0.66	1.10	0.73
19.80	118.87	1.134	56.47	0.550	0.95	0.000	0.517	0.66	1.10	0.73
19.85	118.83	1.137	56.43	0.552	0.95	0.000	0.517	0.66	1.10	0.73
19.90	118.78	1.140	56.38	0.553	0.95	0.000	0.517	0.66	1.10	0.73
19.95	118.74	1.143	56.34	0.554	0.95	0.000	0.517	0.66	1.10	0.73
20.00	118.70	1.145	56.30	0.556	0.95	0.000	0.517	0.66	1.10	0.73
20.05	118.70	1.148	56.30	0.557	0.95	0.000	0.517	0.66	1.10	0.73
20.10	118.71	1.151	56.31	0.558	0.95	0.000	0.517	0.66	1.10	0.73
20.15	118.71	1.154	56.31	0.560	0.95	0.000	0.517	0.66	1.10	0.73
20.20	118.71	1.157	56.31	0.561	0.95	0.000	0.517	0.66	1.10	0.73
20.25	118.71	1.159	56.31	0.562	0.95	0.000	0.517	0.66	1.10	0.73
20.30	118.72	1.162	56.32	0.564	0.95	0.000	0.517	0.66	1.10	0.73
20.35	118.72	1.165	56.32	0.565	0.95	0.000	0.517	0.66	1.10	0.73
20.40	118.72	1.168	56.32	0.566	0.95	0.000	0.517	0.66	1.10	0.73
20.45	118.73	1.171	56.33	0.568	0.95	0.000	0.517	0.66	1.10	0.73
20.50	118.73	1.173	56.33	0.569	0.95	0.000	0.517	0.66	1.10	0.73
20.55	118.73	1.176	56.33	0.570	0.95	0.000	0.517	0.66	1.10	0.73
20.60	118.74	1.179	56.34	0.572	0.95	0.000	0.517	0.66	1.10	0.73
20.65	118.74	1.182	56.34	0.573	0.95	0.000	0.517	0.66	1.10	0.73
20.70	118.74	1.185	56.34	0.574	0.95	0.000	0.517	0.66	1.10	0.73
20.75	118.74	1.187	56.34	0.576	0.95	0.000	0.517	0.66	1.10	0.73
20.80	118.75	1.190	56.35	0.577	0.95	0.000	0.517	0.66	1.10	0.73
20.85	118.75	1.193	56.35	0.578	0.95	0.000	0.517	0.66	1.10	0.73
20.90	118.75	1.196	56.35	0.580	0.95	0.000	0.517	0.66	1.10	0.73
20.95	118.76	1.199	56.36	0.581	0.95	0.000	0.517	0.66	1.10	0.73
21.00	118.76	1.201	56.36	0.582	0.95	0.000	0.517	0.66	1.10	0.73
21.05	118.76	1.204	56.36	0.584	0.95	0.000	0.517	0.66	1.10	0.73
21.10	118.77	1.207	56.37	0.585	0.95	0.000	0.517	0.66	1.10	0.73
21.15	118.77	1.210	56.37	0.586	0.95	0.000	0.517	0.66	1.10	0.73
21.20	118.77	1.213	56.37	0.588	0.95	0.000	0.517	0.66	1.10	0.73
21.25	118.77	1.215	56.37	0.589	0.95	0.000	0.517	0.66	1.10	0.73
21.30	118.78	1.218	56.38	0.590	0.95	0.000	0.517	0.66	1.10	0.73
21.35	118.78	1.221	56.38	0.592	0.95	0.000	0.517	0.66	1.10	0.73

21.40	118.78	1.224	56.38	0.593	0.95	0.000	0.517	0.66	1.10	0.73
21.45	118.79	1.227	56.39	0.594	0.95	0.000	0.517	0.66	1.10	0.72
21.50	118.79	1.230	56.39	0.596	0.95	0.000	0.517	0.66	1.10	0.72
21.55	118.79	1.232	56.39	0.597	0.95	0.000	0.517	0.66	1.10	0.72
21.60	118.80	1.235	56.40	0.598	0.95	0.000	0.517	0.66	1.10	0.72
21.65	118.80	1.238	56.40	0.600	0.95	0.000	0.517	0.66	1.10	0.72
21.70	118.80	1.241	56.40	0.601	0.95	0.000	0.517	0.66	1.10	0.72
21.75	118.80	1.244	56.40	0.602	0.95	0.000	0.517	0.66	1.10	0.72
21.80	118.81	1.246	56.41	0.604	0.95	0.000	0.517	0.66	1.10	0.72
21.85	118.81	1.249	56.41	0.605	0.95	0.000	0.517	0.66	1.10	0.72
21.90	118.81	1.252	56.41	0.606	0.95	0.000	0.517	0.66	1.10	0.72
21.95	118.82	1.255	56.42	0.608	0.95	0.000	0.517	0.66	1.10	0.72
22.00	118.82	1.258	56.42	0.609	0.95	0.000	0.517	0.66	1.10	0.72
22.05	118.82	1.260	56.42	0.610	0.95	0.000	0.517	0.66	1.10	0.72
22.10	118.83	1.263	56.43	0.612	0.95	0.000	0.517	0.66	1.10	0.72
22.15	118.83	1.266	56.43	0.613	0.95	0.000	0.517	0.66	1.10	0.72
22.20	118.83	1.269	56.43	0.614	0.95	0.000	0.517	0.66	1.10	0.72
22.25	118.83	1.272	56.43	0.616	0.95	0.000	0.517	0.66	1.10	0.72
22.30	118.84	1.274	56.44	0.617	0.95	0.000	0.517	0.66	1.10	0.72
22.35	118.84	1.277	56.44	0.618	0.95	0.000	0.517	0.66	1.10	0.72
22.40	118.84	1.280	56.44	0.620	0.95	0.000	0.517	0.66	1.10	0.72
22.45	118.85	1.283	56.45	0.621	0.95	0.000	0.517	0.66	1.10	0.72
22.50	118.85	1.286	56.45	0.622	0.95	0.000	0.517	0.66	1.10	0.72
22.55	118.85	1.288	56.45	0.624	0.95	0.000	0.517	0.66	1.10	0.72
22.60	118.86	1.291	56.46	0.625	0.95	0.000	0.517	0.66	1.10	0.72
22.65	118.86	1.294	56.46	0.626	0.95	0.000	0.517	0.66	1.10	0.72
22.70	118.86	1.297	56.46	0.628	0.95	0.000	0.517	0.66	1.10	0.72
22.75	118.86	1.300	56.46	0.629	0.95	0.000	0.517	0.66	1.10	0.72
22.80	118.87	1.303	56.47	0.630	0.95	0.000	0.517	0.66	1.10	0.72
22.85	118.87	1.305	56.47	0.632	0.95	0.000	0.517	0.66	1.10	0.72
22.90	118.87	1.308	56.47	0.633	0.95	0.000	0.517	0.66	1.10	0.72
22.95	118.88	1.311	56.48	0.634	0.95	0.000	0.517	0.66	1.10	0.72
23.00	118.88	1.314	56.48	0.636	0.95	0.000	0.517	0.66	1.10	0.72
23.05	118.88	1.317	56.48	0.637	0.95	0.000	0.517	0.66	1.10	0.72
23.10	118.89	1.319	56.49	0.638	0.95	0.000	0.517	0.66	1.10	0.72
23.15	118.89	1.322	56.49	0.640	0.95	0.000	0.517	0.66	1.10	0.72
23.20	118.89	1.325	56.49	0.641	0.95	0.000	0.517	0.66	1.10	0.72
23.25	118.89	1.328	56.49	0.642	0.95	0.000	0.517	0.66	1.10	0.72
23.30	118.90	1.331	56.50	0.644	0.95	0.000	0.517	0.66	1.10	0.72
23.35	118.90	1.333	56.50	0.645	0.95	0.000	0.517	0.66	1.10	0.72
23.40	118.90	1.336	56.50	0.646	0.95	0.000	0.517	0.66	1.10	0.72
23.45	118.91	1.339	56.51	0.648	0.95	0.000	0.517	0.66	1.10	0.72
23.50	118.91	1.342	56.51	0.649	0.95	0.000	0.517	0.66	1.10	0.72
23.55	118.91	1.345	56.51	0.650	0.95	0.000	0.517	0.66	1.10	0.72
23.60	118.92	1.347	56.52	0.652	0.94	0.000	0.517	0.66	1.10	0.72
23.65	118.92	1.350	56.52	0.653	0.94	0.000	0.517	0.66	1.10	0.72
23.70	118.92	1.353	56.52	0.654	0.94	0.000	0.517	0.66	1.10	0.72
23.75	118.92	1.356	56.52	0.656	0.94	0.000	0.517	0.66	1.10	0.72
23.80	118.93	1.359	56.53	0.657	0.94	0.000	0.517	0.66	1.10	0.72
23.85	118.93	1.362	56.53	0.658	0.94	0.000	0.517	0.66	1.10	0.72
23.90	118.93	1.364	56.53	0.660	0.94	0.000	0.517	0.66	1.10	0.72
23.95	118.94	1.367	56.54	0.661	0.94	0.000	0.517	0.66	1.10	0.72
24.00	118.94	1.370	56.54	0.662	0.94	0.000	0.517	0.66	1.10	0.72
24.05	118.94	1.373	56.54	0.664	0.94	0.000	0.517	0.66	1.10	0.72
24.10	118.95	1.376	56.55	0.665	0.94	0.000	0.517	0.66	1.10	0.72
24.15	118.95	1.378	56.55	0.666	0.94	0.000	0.517	0.66	1.10	0.72
24.20	118.95	1.381	56.55	0.668	0.94	0.000	0.517	0.66	1.10	0.72
24.25	118.95	1.384	56.55	0.669	0.94	0.000	0.517	0.66	1.10	0.72
24.30	118.96	1.387	56.56	0.670	0.94	0.000	0.517	0.66	1.10	0.72
24.35	118.96	1.390	56.56	0.672	0.94	0.000	0.517	0.66	1.10	0.72
24.40	118.96	1.392	56.56	0.673	0.94	0.000	0.517	0.66	1.10	0.72
24.45	118.97	1.395	56.57	0.674	0.94	0.000	0.517	0.66	1.10	0.72
24.50	118.97	1.398	56.57	0.676	0.94	0.000	0.517	0.66	1.10	0.72
24.55	118.97	1.401	56.57	0.677	0.94	0.000	0.517	0.66	1.10	0.72
24.60	118.98	1.404	56.58	0.678	0.94	0.000	0.517	0.66	1.10	0.72
24.65	118.98	1.406	56.58	0.680	0.94	0.000	0.517	0.66	1.10	0.72
24.70	118.98	1.409	56.58	0.681	0.94	0.000	0.517	0.66	1.10	0.72
24.75	118.98	1.412	56.58	0.682	0.94	0.000	0.517	0.66	1.10	0.72
24.80	118.99	1.415	56.59	0.684	0.94	0.000	0.517	0.66	1.10	0.72
24.85	118.99	1.418	56.59	0.685	0.94	0.000	0.517	0.66	1.10	0.72
24.90	118.99	1.421	56.59	0.686	0.94	0.000	0.517	0.66	1.10	0.72
24.95	119.00	1.423	56.60	0.688	0.94	0.000	0.517	0.66	1.10	0.72
25.00	119.00	1.426	56.60	0.689	0.94	0.000	0.517	0.66	1.10	0.72

25.05	118.99	1.429	56.59	0.690	0.94	0.000	0.517	0.65	1.10	0.72
25.10	118.98	1.432	56.58	0.692	0.94	0.000	0.517	0.65	1.10	0.72
25.15	118.97	1.435	56.57	0.693	0.94	0.000	0.517	0.65	1.10	0.72
25.20	118.96	1.437	56.56	0.694	0.94	0.000	0.517	0.65	1.10	0.72
25.25	118.95	1.440	56.55	0.696	0.94	0.000	0.517	0.65	1.10	0.72
25.30	118.94	1.443	56.54	0.697	0.94	0.000	0.517	0.65	1.10	0.72
25.35	118.93	1.446	56.53	0.698	0.94	0.000	0.517	0.65	1.10	0.72
25.40	118.92	1.449	56.52	0.700	0.94	0.000	0.517	0.65	1.10	0.72
25.45	118.91	1.451	56.51	0.701	0.94	0.000	0.517	0.65	1.10	0.72
25.50	118.90	1.454	56.50	0.702	0.94	0.000	0.517	0.65	1.10	0.72
25.55	118.89	1.457	56.49	0.704	0.94	0.000	0.517	0.65	1.10	0.72
25.60	118.88	1.460	56.48	0.705	0.94	0.000	0.517	0.65	1.10	0.72
25.65	118.87	1.463	56.47	0.706	0.94	0.000	0.517	0.65	1.10	0.72
25.70	118.86	1.466	56.46	0.708	0.94	0.000	0.517	0.65	1.10	0.72
25.75	118.85	1.468	56.45	0.709	0.94	0.000	0.517	0.65	1.10	0.72
25.80	118.84	1.471	56.44	0.710	0.94	0.000	0.517	0.65	1.10	0.72
25.85	118.83	1.474	56.43	0.712	0.94	0.000	0.517	0.65	1.10	0.72
25.90	118.82	1.477	56.42	0.713	0.94	0.000	0.517	0.65	1.10	0.72
25.95	118.81	1.480	56.41	0.714	0.94	0.000	0.517	0.65	1.10	0.72
26.00	118.80	1.482	56.40	0.716	0.94	0.000	0.517	0.65	1.10	0.72
26.05	118.79	1.485	56.39	0.717	0.94	0.000	0.517	0.65	1.10	0.72
26.10	118.78	1.488	56.38	0.718	0.94	0.000	0.517	0.65	1.10	0.72
26.15	118.77	1.491	56.37	0.720	0.94	0.000	0.517	0.65	1.10	0.72
26.20	118.76	1.494	56.36	0.721	0.94	0.000	0.517	0.65	1.10	0.72
26.25	118.75	1.496	56.35	0.722	0.94	0.000	0.517	0.65	1.10	0.72
26.30	118.74	1.499	56.34	0.724	0.94	0.000	0.517	0.65	1.10	0.72
26.35	118.73	1.502	56.33	0.725	0.94	0.000	0.517	0.65	1.10	0.72
26.40	118.72	1.505	56.32	0.726	0.94	0.000	0.517	0.65	1.10	0.72
26.45	118.71	1.508	56.31	0.728	0.94	0.000	0.517	0.65	1.10	0.72
26.50	118.70	1.510	56.30	0.729	0.94	0.000	0.517	0.65	1.10	0.72
26.55	118.69	1.513	56.29	0.730	0.94	0.000	0.517	0.65	1.10	0.72
26.60	118.68	1.516	56.28	0.732	0.94	0.000	0.517	0.65	1.10	0.72
26.65	118.67	1.519	56.27	0.733	0.94	0.000	0.517	0.65	1.10	0.72
26.70	118.66	1.522	56.26	0.734	0.94	0.000	0.517	0.65	1.10	0.72
26.75	118.65	1.524	56.25	0.736	0.94	0.000	0.517	0.65	1.10	0.72
26.80	118.64	1.527	56.24	0.737	0.94	0.000	0.517	0.65	1.10	0.72
26.85	118.63	1.530	56.23	0.738	0.94	0.000	0.517	0.65	1.10	0.72
26.90	118.62	1.533	56.22	0.740	0.94	0.000	0.517	0.65	1.10	0.72
26.95	118.61	1.536	56.21	0.741	0.94	0.000	0.517	0.65	1.10	0.72
27.00	118.60	1.538	56.20	0.742	0.94	0.000	0.517	0.65	1.10	0.72
27.05	118.59	1.541	56.19	0.744	0.94	0.000	0.517	0.65	1.10	0.72
27.10	118.58	1.544	56.18	0.745	0.94	0.000	0.517	0.65	1.10	0.72
27.15	118.57	1.547	56.17	0.746	0.94	0.000	0.517	0.65	1.10	0.72
27.20	118.56	1.550	56.16	0.748	0.94	0.000	0.517	0.65	1.10	0.72
27.25	118.55	1.552	56.15	0.749	0.94	0.000	0.517	0.65	1.10	0.72
27.30	118.54	1.555	56.14	0.750	0.94	0.000	0.517	0.65	1.10	0.72
27.35	118.53	1.558	56.13	0.752	0.94	0.000	0.517	0.65	1.10	0.72
27.40	118.52	1.561	56.12	0.753	0.94	0.000	0.517	0.65	1.10	0.72
27.45	118.51	1.564	56.11	0.754	0.94	0.000	0.517	0.65	1.10	0.72
27.50	118.50	1.566	56.10	0.756	0.94	0.000	0.517	0.65	1.10	0.72
27.55	118.49	1.569	56.09	0.757	0.94	0.000	0.517	0.65	1.10	0.72
27.60	118.48	1.572	56.08	0.758	0.94	0.000	0.517	0.65	1.10	0.72
27.65	118.47	1.575	56.07	0.760	0.94	0.000	0.517	0.65	1.10	0.72
27.70	118.46	1.578	56.06	0.761	0.94	0.000	0.517	0.65	1.10	0.72
27.75	118.45	1.580	56.05	0.762	0.94	0.000	0.517	0.65	1.10	0.72
27.80	118.44	1.583	56.04	0.764	0.94	0.000	0.517	0.65	1.10	0.72
27.85	118.43	1.586	56.03	0.765	0.94	0.000	0.517	0.65	1.10	0.72
27.90	118.42	1.589	56.02	0.766	0.93	0.000	0.517	0.65	1.10	0.72
27.95	118.41	1.592	56.01	0.767	0.93	0.000	0.517	0.65	1.10	0.72
28.00	118.40	1.594	56.00	0.769	0.93	0.000	0.517	0.65	1.10	0.72
28.05	118.39	1.597	55.99	0.770	0.93	0.000	0.517	0.65	1.10	0.72
28.10	118.38	1.600	55.98	0.771	0.93	0.000	0.517	0.65	1.10	0.72
28.15	118.37	1.603	55.97	0.773	0.93	0.000	0.517	0.65	1.10	0.72
28.20	118.36	1.606	55.96	0.774	0.93	0.000	0.517	0.65	1.10	0.72
28.25	118.35	1.608	55.95	0.775	0.93	0.000	0.517	0.65	1.10	0.72
28.30	118.34	1.611	55.94	0.777	0.93	0.000	0.517	0.65	1.10	0.72
28.35	118.33	1.614	55.93	0.778	0.93	0.000	0.517	0.65	1.10	0.72
28.40	118.32	1.617	55.92	0.779	0.93	0.000	0.517	0.65	1.10	0.72
28.45	118.31	1.620	55.91	0.781	0.93	0.000	0.517	0.65	1.10	0.72
28.50	118.30	1.622	55.90	0.782	0.93	0.000	0.517	0.65	1.10	0.72
28.55	118.29	1.625	55.89	0.783	0.93	0.000	0.517	0.65	1.10	0.72
28.60	118.28	1.628	55.88	0.785	0.93	0.000	0.517	0.65	1.10	0.72
28.65	118.27	1.631	55.87	0.786	0.93	0.000	0.517	0.65	1.10	0.72

28.70	118.26	1.634	55.86	0.787	0.93	0.000	0.517	0.65	1.10	0.72
28.75	118.25	1.636	55.85	0.789	0.93	0.000	0.517	0.65	1.10	0.72
28.80	118.24	1.639	55.84	0.790	0.93	0.000	0.517	0.65	1.10	0.72
28.85	118.23	1.642	55.83	0.791	0.93	0.000	0.517	0.65	1.10	0.72
28.90	118.22	1.645	55.82	0.793	0.93	0.000	0.517	0.65	1.10	0.72
28.95	118.21	1.648	55.81	0.794	0.93	0.000	0.517	0.65	1.10	0.72
29.00	118.20	1.650	55.80	0.795	0.93	0.000	0.517	0.65	1.10	0.72
29.05	118.19	1.653	55.79	0.797	0.93	0.000	0.517	0.65	1.10	0.72
29.10	118.18	1.656	55.78	0.798	0.93	0.000	0.517	0.65	1.10	0.72
29.15	118.17	1.659	55.77	0.799	0.93	0.000	0.517	0.65	1.10	0.72
29.20	118.16	1.662	55.76	0.801	0.93	0.000	0.517	0.65	1.10	0.72
29.25	118.15	1.664	55.75	0.802	0.93	0.000	0.517	0.65	1.10	0.71
29.30	118.14	1.667	55.74	0.803	0.93	0.000	0.517	0.65	1.10	0.71
29.35	118.13	1.670	55.73	0.804	0.93	0.000	0.517	0.65	1.10	0.71
29.40	118.12	1.673	55.72	0.806	0.93	0.000	0.517	0.65	1.10	0.71
29.45	118.11	1.675	55.71	0.807	0.93	0.000	0.517	0.65	1.10	0.71
29.50	118.10	1.678	55.70	0.808	0.93	0.000	0.517	0.65	1.10	0.71
29.55	118.09	1.681	55.69	0.810	0.93	0.000	0.517	0.65	1.10	0.71
29.60	118.08	1.684	55.68	0.811	0.93	0.000	0.517	0.65	1.10	0.71
29.65	118.07	1.687	55.67	0.812	0.93	0.000	0.517	0.65	1.10	0.71
29.70	118.06	1.689	55.66	0.814	0.93	0.000	0.517	0.65	1.10	0.71
29.75	118.05	1.692	55.65	0.815	0.93	0.000	0.517	0.65	1.10	0.71
29.80	118.04	1.695	55.64	0.816	0.93	0.000	0.517	0.65	1.10	0.71
29.85	118.03	1.698	55.63	0.818	0.93	0.000	0.517	0.65	1.10	0.71
29.90	118.02	1.701	55.62	0.819	0.93	0.000	0.517	0.65	1.10	0.71
29.95	118.01	1.703	55.61	0.820	0.93	0.000	0.517	0.65	1.10	0.71
30.00	118.00	1.706	55.60	0.822	0.93	0.000	0.517	0.65	1.10	0.71
30.05	118.06	1.709	55.66	0.823	0.93	0.000	0.517	0.65	1.10	0.71
30.10	118.12	1.712	55.72	0.824	0.93	0.000	0.517	0.65	1.10	0.71
30.15	118.18	1.715	55.78	0.826	0.93	0.000	0.517	0.65	1.10	0.71
30.20	118.24	1.717	55.84	0.827	0.93	0.000	0.517	0.65	1.10	0.71
30.25	118.30	1.720	55.90	0.828	0.93	0.000	0.517	0.65	1.10	0.71
30.30	118.37	1.723	55.97	0.829	0.93	0.000	0.517	0.65	1.10	0.71
30.35	118.43	1.726	56.03	0.831	0.93	0.000	0.517	0.65	1.10	0.71
30.40	118.49	1.729	56.09	0.832	0.93	0.000	0.517	0.65	1.10	0.71
30.45	118.55	1.731	56.15	0.833	0.93	0.000	0.517	0.65	1.10	0.71
30.50	118.61	1.734	56.21	0.835	0.93	0.000	0.517	0.65	1.10	0.71
30.55	118.67	1.737	56.27	0.836	0.93	0.000	0.517	0.65	1.10	0.71
30.60	118.73	1.740	56.33	0.837	0.92	0.000	0.517	0.65	1.10	0.71
30.65	118.79	1.743	56.39	0.839	0.92	0.000	0.517	0.65	1.10	0.71
30.70	118.85	1.745	56.45	0.840	0.92	0.000	0.517	0.65	1.10	0.71
30.75	118.91	1.748	56.51	0.841	0.92	0.000	0.517	0.64	1.10	0.71
30.80	118.98	1.751	56.58	0.843	0.92	0.000	0.517	0.64	1.10	0.71
30.85	119.04	1.754	56.64	0.844	0.92	0.000	0.517	0.64	1.10	0.71
30.90	119.10	1.757	56.70	0.845	0.92	0.000	0.517	0.64	1.10	0.71
30.95	119.16	1.759	56.76	0.847	0.92	0.000	0.517	0.64	1.10	0.71
31.00	119.22	1.762	56.82	0.848	0.92	0.000	0.517	0.64	1.10	0.71
31.05	119.28	1.765	56.88	0.849	0.92	0.000	0.517	0.64	1.10	0.71
31.10	119.34	1.768	56.94	0.851	0.92	0.000	0.517	0.64	1.10	0.71
31.15	119.40	1.771	57.00	0.852	0.92	0.000	0.517	0.64	1.10	0.71
31.20	119.46	1.773	57.06	0.853	0.92	0.000	0.517	0.64	1.10	0.71
31.25	119.52	1.776	57.12	0.855	0.92	0.000	0.517	0.64	1.10	0.71
31.30	119.59	1.779	57.19	0.856	0.92	0.000	0.517	0.64	1.10	0.71
31.35	119.65	1.782	57.25	0.858	0.92	0.000	0.517	0.64	1.10	0.71
31.40	119.71	1.785	57.31	0.859	0.92	0.000	0.517	0.64	1.10	0.71
31.45	119.77	1.788	57.37	0.860	0.92	0.000	0.517	0.64	1.10	0.71
31.50	119.83	1.790	57.43	0.862	0.92	0.000	0.517	0.64	1.10	0.70
31.55	119.89	1.793	57.49	0.863	0.92	0.000	0.517	0.64	1.10	0.70
31.60	119.95	1.796	57.55	0.864	0.92	0.000	0.517	0.64	1.10	0.70
31.65	120.01	1.799	57.61	0.866	0.92	0.000	0.517	0.64	1.10	0.70
31.70	120.07	1.802	57.67	0.867	0.92	0.000	0.517	0.64	1.10	0.70
31.75	120.13	1.805	57.73	0.868	0.92	0.000	0.517	0.64	1.10	0.70
31.80	120.20	1.807	57.80	0.870	0.92	0.000	0.517	0.64	1.10	0.70
31.85	120.26	1.810	57.86	0.871	0.91	0.000	0.517	0.64	1.10	0.70
31.90	120.32	1.813	57.92	0.872	0.91	0.000	0.517	0.64	1.10	0.70
31.95	120.38	1.816	57.98	0.874	0.91	0.000	0.517	0.64	1.10	0.70
32.00	120.44	1.819	58.04	0.875	0.91	0.000	0.517	0.64	1.10	0.70
32.05	120.50	1.822	58.10	0.877	0.91	0.000	0.517	0.64	1.10	0.70
32.10	120.56	1.824	58.16	0.878	0.91	0.000	0.517	0.64	1.10	0.70
32.15	120.62	1.827	58.22	0.879	0.91	0.000	0.517	0.64	1.10	0.70
32.20	120.68	1.830	58.28	0.881	0.91	0.000	0.517	0.64	1.10	0.70
32.25	120.74	1.833	58.34	0.882	0.91	0.000	0.517	0.64	1.10	0.70
32.30	120.81	1.836	58.41	0.883	0.91	0.000	0.517	0.64	1.10	0.70

32.35	120.87	1.839	58.47	0.885	0.91	0.000	0.517	0.64	1.10	0.70
32.40	120.93	1.842	58.53	0.886	0.91	0.000	0.517	0.64	1.10	0.70
32.45	120.99	1.844	58.59	0.888	0.91	0.000	0.517	0.64	1.10	0.70
32.50	121.05	1.847	58.65	0.889	0.91	0.000	0.517	0.64	1.10	0.70
32.55	121.11	1.850	58.71	0.890	0.91	0.000	0.517	0.63	1.10	0.70
32.60	121.17	1.853	58.77	0.892	0.91	0.000	0.517	0.63	1.10	0.70
32.65	121.23	1.856	58.83	0.893	0.91	0.000	0.517	0.63	1.10	0.70
32.70	121.29	1.859	58.89	0.895	0.91	0.000	0.517	0.63	1.10	0.70
32.75	121.35	1.862	58.95	0.896	0.91	0.000	0.517	0.63	1.10	0.70
32.80	121.42	1.865	59.02	0.897	0.91	0.000	0.517	0.63	1.10	0.70
32.85	121.48	1.867	59.08	0.899	0.91	0.000	0.517	0.63	1.10	0.70
32.90	121.54	1.870	59.14	0.900	0.91	0.000	0.517	0.63	1.10	0.70
32.95	121.60	1.873	59.20	0.902	0.91	0.000	0.517	0.63	1.10	0.70
33.00	121.66	1.876	59.26	0.903	0.91	0.000	0.517	0.63	1.10	0.70
33.05	121.72	1.879	59.32	0.904	0.91	0.000	0.517	0.63	1.10	0.70
33.10	121.78	1.882	59.38	0.906	0.90	0.000	0.517	0.63	1.10	0.69
33.15	121.84	1.885	59.44	0.907	0.90	0.000	0.517	0.63	1.10	0.69
33.20	121.90	1.887	59.50	0.909	0.90	0.000	0.517	0.63	1.10	0.69
33.25	121.96	1.890	59.56	0.910	0.90	0.000	0.517	0.63	1.10	0.69
33.30	122.03	1.893	59.63	0.911	0.90	0.000	0.517	0.63	1.10	0.69
33.35	122.09	1.896	59.69	0.913	0.90	0.000	0.517	0.63	1.10	0.69
33.40	122.15	1.899	59.75	0.914	0.90	0.000	0.517	0.63	1.10	0.69
33.45	122.21	1.902	59.81	0.916	0.90	0.000	0.517	0.63	1.10	0.69
33.50	122.27	1.905	59.87	0.917	0.90	0.000	0.517	0.63	1.10	0.69
33.55	122.33	1.908	59.93	0.918	0.90	0.000	0.517	0.63	1.10	0.69
33.60	122.39	1.911	59.99	0.920	0.90	0.000	0.517	0.63	1.10	0.69
33.65	122.45	1.913	60.05	0.921	0.90	0.000	0.517	0.63	1.10	0.69
33.70	122.51	1.916	60.11	0.923	0.90	0.000	0.517	0.63	1.10	0.69
33.75	122.57	1.919	60.17	0.924	0.90	0.000	0.517	0.63	1.10	0.69
33.80	122.64	1.922	60.24	0.926	0.90	0.000	0.517	0.63	1.10	0.69
33.85	122.70	1.925	60.30	0.927	0.90	0.000	0.517	0.63	1.10	0.69
33.90	122.76	1.928	60.36	0.928	0.90	0.000	0.517	0.63	1.10	0.69
33.95	122.82	1.931	60.42	0.930	0.90	0.000	0.517	0.63	1.10	0.69
34.00	122.88	1.934	60.48	0.931	0.90	0.000	0.517	0.63	1.10	0.69
34.05	122.94	1.937	60.54	0.933	0.90	0.000	0.517	0.63	1.10	0.69
34.10	123.00	1.940	60.60	0.934	0.90	0.000	0.517	0.63	1.10	0.69
34.15	123.06	1.942	60.66	0.935	0.90	0.000	0.517	0.63	1.10	0.69
34.20	123.12	1.945	60.72	0.937	0.90	0.000	0.517	0.62	1.10	0.69
34.25	123.18	1.948	60.78	0.938	0.90	0.000	0.517	0.62	1.10	0.69
34.30	123.25	1.951	60.85	0.940	0.89	0.000	0.517	0.62	1.10	0.69
34.35	123.31	1.954	60.91	0.941	0.89	0.000	0.517	0.62	1.10	0.69
34.40	123.37	1.957	60.97	0.943	0.89	0.000	0.517	0.62	1.10	0.69
34.45	123.43	1.960	61.03	0.944	0.89	0.000	0.517	0.62	1.10	0.69
34.50	123.49	1.963	61.09	0.946	0.89	0.000	0.517	0.62	1.10	0.69
34.55	123.55	1.966	61.15	0.947	0.89	0.000	0.517	0.62	1.10	0.69
34.60	123.61	1.969	61.21	0.948	0.89	0.000	0.517	0.62	1.10	0.68
34.65	123.67	1.972	61.27	0.950	0.89	0.000	0.517	0.62	1.10	0.68
34.70	123.73	1.975	61.33	0.951	0.89	0.000	0.517	0.62	1.10	0.68
34.75	123.79	1.977	61.39	0.953	0.89	0.000	0.517	0.62	1.10	0.68
34.80	123.86	1.980	61.46	0.954	0.89	0.000	0.517	0.62	1.10	0.68
34.85	123.92	1.983	61.52	0.956	0.89	0.000	0.517	0.62	1.10	0.68
34.90	123.98	1.986	61.58	0.957	0.89	0.000	0.517	0.62	1.10	0.68
34.95	124.04	1.989	61.64	0.959	0.89	0.000	0.517	0.62	1.10	0.68
35.00	124.10	1.992	61.70	0.960	0.89	0.000	0.517	0.62	1.10	0.68
35.05	124.12	1.995	61.72	0.962	0.89	0.000	0.517	0.62	1.10	0.68
35.10	124.14	1.998	61.74	0.963	0.89	0.000	0.517	0.62	1.10	0.68
35.15	124.16	2.001	61.76	0.964	0.89	0.000	0.517	0.62	1.10	0.68
35.20	124.18	2.004	61.78	0.966	0.89	0.000	0.517	0.62	1.10	0.68
35.25	124.20	2.007	61.80	0.967	0.89	0.000	0.517	0.62	1.10	0.68
35.30	124.23	2.010	61.83	0.969	0.89	0.000	0.517	0.62	1.10	0.68
35.35	124.25	2.013	61.85	0.970	0.89	0.000	0.517	0.62	1.10	0.68
35.40	124.27	2.016	61.87	0.972	0.89	0.000	0.517	0.62	1.10	0.68
35.45	124.29	2.019	61.89	0.973	0.89	0.000	0.517	0.62	1.10	0.68
35.50	124.31	2.021	61.91	0.975	0.89	0.000	0.517	0.62	1.10	0.68
35.55	124.33	2.024	61.93	0.976	0.88	0.000	0.517	0.62	1.10	0.68
35.60	124.35	2.027	61.95	0.978	0.88	0.000	0.517	0.62	1.10	0.68
35.65	124.37	2.030	61.97	0.979	0.88	0.000	0.517	0.62	1.10	0.68
35.70	124.39	2.033	61.99	0.981	0.88	0.000	0.517	0.62	1.10	0.68
35.75	124.41	2.036	62.01	0.982	0.88	0.000	0.517	0.62	1.10	0.68
35.80	124.44	2.039	62.04	0.983	0.88	0.000	0.517	0.62	1.10	0.68
35.85	124.46	2.042	62.06	0.985	0.88	0.000	0.517	0.61	1.10	0.68
35.90	124.48	2.045	62.08	0.986	0.88	0.000	0.517	0.61	1.10	0.68
35.95	124.50	2.048	62.10	0.988	0.88	0.000	0.517	0.61	1.10	0.68

36.00	124.52	2.051	62.12	0.989	0.88	0.000	0.517	0.61	1.10	0.68
36.05	124.54	2.054	62.14	0.991	0.88	0.000	0.517	0.61	1.10	0.67
36.10	124.56	2.057	62.16	0.992	0.88	0.000	0.517	0.61	1.10	0.67
36.15	124.58	2.060	62.18	0.994	0.88	0.000	0.517	0.61	1.10	0.67
36.20	124.60	2.063	62.20	0.995	0.88	0.000	0.517	0.61	1.10	0.67
36.25	124.62	2.066	62.22	0.997	0.88	0.000	0.517	0.61	1.10	0.67
36.30	124.65	2.068	62.25	0.998	0.88	0.000	0.517	0.61	1.10	0.67
36.35	124.67	2.071	62.27	1.000	0.88	0.000	0.517	0.61	1.10	0.67
36.40	124.69	2.074	62.29	1.001	0.88	0.000	0.517	0.61	1.10	0.67
36.45	124.71	2.077	62.31	1.003	0.88	0.000	0.517	0.61	1.10	0.67
36.50	124.73	2.080	62.33	1.004	0.88	0.000	0.517	0.61	1.10	0.67
36.55	124.75	2.083	62.35	1.005	0.88	0.000	0.517	0.61	1.10	0.67
36.60	124.77	2.086	62.37	1.007	0.88	0.000	0.517	0.61	1.10	0.67
36.65	124.79	2.089	62.39	1.008	0.88	0.000	0.517	0.61	1.10	0.67
36.70	124.81	2.092	62.41	1.010	0.88	0.000	0.517	0.61	1.10	0.67
36.75	124.83	2.095	62.43	1.011	0.87	0.000	0.517	0.61	1.10	0.67
36.80	124.86	2.098	62.46	1.013	0.87	0.000	0.517	0.61	1.10	0.67
36.85	124.88	2.101	62.48	1.014	0.87	0.000	0.517	0.61	1.10	0.67
36.90	124.90	2.104	62.50	1.016	0.87	0.000	0.517	0.61	1.10	0.67
36.95	124.92	2.107	62.52	1.017	0.87	0.000	0.517	0.61	1.10	0.67
37.00	124.94	2.110	62.54	1.019	0.87	0.000	0.517	0.61	1.10	0.67
37.05	124.96	2.113	62.56	1.020	0.87	0.000	0.517	0.61	1.10	0.67
37.10	124.98	2.116	62.58	1.022	0.87	0.000	0.517	0.61	1.10	0.67
37.15	125.00	2.119	62.60	1.023	0.87	0.000	0.517	0.61	1.10	0.67
37.20	125.02	2.122	62.62	1.025	0.87	0.000	0.517	0.61	1.10	0.67
37.25	125.04	2.125	62.64	1.026	0.87	0.000	0.517	0.61	1.10	0.67
37.30	125.07	2.127	62.67	1.028	0.87	0.000	0.517	0.61	1.10	0.67
37.35	125.09	2.130	62.69	1.029	0.87	0.000	0.517	0.61	1.10	0.67
37.40	125.11	2.133	62.71	1.031	0.87	0.000	0.517	0.60	1.10	0.67
37.45	125.13	2.136	62.73	1.032	0.87	0.000	0.517	0.60	1.10	0.67
37.50	125.15	2.139	62.75	1.034	0.87	0.000	0.517	0.60	1.10	0.66
37.55	125.17	2.142	62.77	1.035	0.87	0.000	0.517	0.60	1.10	0.66
37.60	125.19	2.145	62.79	1.037	0.87	0.000	0.517	0.60	1.10	0.66
37.65	125.21	2.148	62.81	1.038	0.87	0.000	0.517	0.60	1.10	0.66
37.70	125.23	2.151	62.83	1.039	0.87	0.000	0.517	0.60	1.10	0.66
37.75	125.25	2.154	62.85	1.041	0.87	0.000	0.517	0.60	1.10	0.66
37.80	125.28	2.157	62.88	1.042	0.87	0.000	0.517	0.60	1.10	0.66
37.85	125.30	2.160	62.90	1.044	0.87	0.000	0.517	0.60	1.10	0.66
37.90	125.32	2.163	62.92	1.045	0.87	0.000	0.517	0.60	1.10	0.66
37.95	125.34	2.166	62.94	1.047	0.87	0.000	0.517	0.60	1.10	0.66
38.00	125.36	2.169	62.96	1.048	0.86	0.000	0.517	0.60	1.10	0.66
38.05	125.38	2.172	62.98	1.050	0.86	0.000	0.517	0.60	1.10	0.66
38.10	125.40	2.175	63.00	1.051	0.86	0.000	0.517	0.60	1.10	0.66
38.15	125.42	2.178	63.02	1.053	0.86	0.000	0.517	0.60	1.10	0.66
38.20	125.44	2.181	63.04	1.054	0.86	0.000	0.517	0.60	1.10	0.66
38.25	125.46	2.184	63.06	1.056	0.86	0.000	0.517	0.60	1.10	0.66
38.30	125.49	2.187	63.09	1.057	0.86	0.000	0.517	0.60	1.10	0.66
38.35	125.51	2.190	63.11	1.059	0.86	0.000	0.517	0.60	1.10	0.66
38.40	125.53	2.193	63.13	1.060	0.86	0.000	0.517	0.60	1.10	0.66
38.45	125.55	2.196	63.15	1.062	0.86	0.000	0.517	0.60	1.10	0.66
38.50	125.57	2.199	63.17	1.063	0.86	0.000	0.517	0.60	1.10	0.66
38.55	125.59	2.202	63.19	1.065	0.86	0.000	0.517	0.60	1.10	0.66
38.60	125.61	2.204	63.21	1.066	0.86	0.000	0.517	0.60	1.10	0.66
38.65	125.63	2.207	63.23	1.068	0.86	0.000	0.517	0.60	1.10	0.66
38.70	125.65	2.210	63.25	1.069	0.86	0.000	0.517	0.60	1.10	0.66
38.75	125.67	2.213	63.27	1.071	0.86	0.000	0.517	0.60	1.10	0.66
38.80	125.70	2.216	63.30	1.072	0.86	0.000	0.517	0.60	1.10	0.66
38.85	125.72	2.219	63.32	1.074	0.86	0.000	0.517	0.60	1.10	0.66
38.90	125.74	2.222	63.34	1.075	0.86	0.000	0.517	0.60	1.10	0.66
38.95	125.76	2.225	63.36	1.077	0.86	0.000	0.517	0.60	1.10	0.65
39.00	125.78	2.228	63.38	1.078	0.86	0.000	0.517	0.59	1.10	0.65
39.05	125.80	2.231	63.40	1.080	0.86	0.000	0.517	0.59	1.10	0.65
39.10	125.82	2.234	63.42	1.081	0.86	0.000	0.517	0.59	1.10	0.65
39.15	125.84	2.237	63.44	1.083	0.86	0.000	0.517	0.59	1.10	0.65
39.20	125.86	2.240	63.46	1.084	0.86	0.000	0.517	0.59	1.10	0.65
39.25	125.88	2.243	63.48	1.086	0.85	0.000	0.517	0.59	1.10	0.65
39.30	125.91	2.246	63.51	1.087	0.85	0.000	0.517	0.59	1.10	0.65
39.35	125.93	2.249	63.53	1.089	0.85	0.000	0.517	0.59	1.10	0.65
39.40	125.95	2.252	63.55	1.090	0.85	0.000	0.517	0.59	1.10	0.65
39.45	125.97	2.255	63.57	1.092	0.85	0.000	0.517	0.59	1.10	0.65
39.50	125.99	2.258	63.59	1.093	0.85	0.000	0.517	0.59	1.10	0.65
39.55	126.01	2.261	63.61	1.095	0.85	0.000	0.517	0.59	1.10	0.65
39.60	126.03	2.264	63.63	1.096	0.85	0.000	0.517	0.59	1.10	0.65

39.65	126.05	2.267	63.65	1.098	0.85	0.000	0.517	0.59	1.10	0.65
39.70	126.07	2.270	63.67	1.099	0.85	0.000	0.517	0.59	1.10	0.65
39.75	126.09	2.273	63.69	1.101	0.85	0.000	0.517	0.59	1.10	0.65
39.80	126.12	2.276	63.72	1.102	0.85	0.000	0.517	0.59	1.10	0.65
39.85	126.14	2.279	63.74	1.104	0.85	0.000	0.517	0.59	1.10	0.65
39.90	126.16	2.282	63.76	1.105	0.85	0.000	0.517	0.59	1.10	0.65
39.95	126.18	2.285	63.78	1.107	0.85	0.000	0.517	0.59	1.10	0.65
40.00	126.20	2.288	63.80	1.108	0.85	0.000	0.517	0.59	1.10	0.65
40.05	126.27	2.291	63.87	1.110	0.85	0.000	0.517	0.59	1.10	0.65
40.10	126.33	2.294	63.93	1.111	0.85	0.000	0.517	0.59	1.10	0.65
40.15	126.40	2.297	64.00	1.113	0.85	0.000	0.517	0.59	1.10	0.65
40.20	126.46	2.300	64.06	1.114	0.85	0.000	0.517	0.59	1.10	0.65
40.25	126.53	2.303	64.13	1.116	0.85	0.000	0.517	0.59	1.10	0.65
40.30	126.60	2.306	64.20	1.117	0.85	0.000	0.517	0.59	1.10	0.65
40.35	126.66	2.309	64.26	1.119	0.85	0.000	0.517	0.59	1.10	0.65
40.40	126.73	2.312	64.33	1.120	0.85	0.000	0.517	0.59	1.10	0.64
40.45	126.79	2.315	64.39	1.122	0.84	0.000	0.517	0.59	1.10	0.64
40.50	126.86	2.318	64.46	1.123	0.84	0.000	0.517	0.59	1.10	0.64
40.55	126.93	2.321	64.53	1.125	0.84	0.000	0.517	0.59	1.10	0.64
40.60	126.99	2.324	64.59	1.126	0.84	0.000	0.517	0.58	1.10	0.64
40.65	127.06	2.327	64.66	1.128	0.84	0.000	0.517	0.58	1.10	0.64
40.70	127.12	2.330	64.72	1.130	0.84	0.000	0.517	0.58	1.10	0.64
40.75	127.19	2.333	64.79	1.131	0.84	0.000	0.517	0.58	1.10	0.64
40.80	127.26	2.336	64.86	1.133	0.84	0.000	0.517	0.58	1.10	0.64
40.85	127.32	2.339	64.92	1.134	0.84	0.000	0.517	0.58	1.10	0.64
40.90	127.39	2.342	64.99	1.136	0.84	0.000	0.517	0.58	1.10	0.64
40.95	127.45	2.345	65.05	1.137	0.84	0.000	0.517	0.58	1.10	0.64
41.00	127.52	2.348	65.12	1.139	0.84	0.000	0.517	0.58	1.10	0.64
41.05	127.59	2.351	65.19	1.140	0.84	0.000	0.517	0.58	1.10	0.64
41.10	127.65	2.354	65.25	1.142	0.84	0.000	0.517	0.58	1.10	0.64
41.15	127.72	2.357	65.32	1.143	0.84	0.000	0.517	0.58	1.10	0.64
41.20	127.78	2.360	65.38	1.145	0.84	0.000	0.517	0.58	1.10	0.64
41.25	127.85	2.363	65.45	1.146	0.84	0.000	0.517	0.58	1.10	0.64
41.30	127.92	2.366	65.52	1.148	0.84	0.000	0.517	0.58	1.10	0.64
41.35	127.98	2.369	65.58	1.150	0.84	0.000	0.517	0.58	1.10	0.64
41.40	128.05	2.372	65.65	1.151	0.84	0.000	0.517	0.58	1.10	0.64
41.45	128.11	2.375	65.71	1.153	0.84	0.000	0.517	0.58	1.10	0.64
41.50	128.18	2.378	65.78	1.154	0.84	0.000	0.517	0.58	1.10	0.64
41.55	128.25	2.381	65.85	1.156	0.84	0.000	0.517	0.58	1.10	0.64
41.60	128.31	2.384	65.91	1.157	0.84	0.000	0.517	0.58	1.10	0.64
41.65	128.38	2.387	65.98	1.159	0.84	0.000	0.517	0.58	1.10	0.64
41.70	128.44	2.390	66.04	1.160	0.83	0.000	0.517	0.58	1.10	0.64
41.75	128.51	2.393	66.11	1.162	0.83	0.000	0.517	0.58	1.10	0.64
41.80	128.58	2.396	66.18	1.164	0.83	0.000	0.517	0.58	1.10	0.63
41.85	128.64	2.399	66.24	1.165	0.83	0.000	0.517	0.58	1.10	0.63
41.90	128.71	2.402	66.31	1.167	0.83	0.000	0.517	0.58	1.10	0.63
41.95	128.77	2.405	66.37	1.168	0.83	0.000	0.517	0.58	1.10	0.63
42.00	128.84	2.408	66.44	1.170	0.83	0.000	0.517	0.58	1.10	0.63
42.05	128.91	2.411	66.51	1.171	0.83	0.000	0.517	0.58	1.10	0.63
42.10	128.97	2.414	66.57	1.173	0.83	0.000	0.517	0.58	1.10	0.63
42.15	129.04	2.417	66.64	1.175	0.83	0.000	0.517	0.57	1.10	0.63
42.20	129.10	2.420	66.70	1.176	0.83	0.000	0.517	0.57	1.10	0.63
42.25	129.17	2.423	66.77	1.178	0.83	0.000	0.517	0.57	1.10	0.63
42.30	129.24	2.427	66.84	1.179	0.83	0.000	0.517	0.57	1.10	0.63
42.35	129.30	2.430	66.90	1.181	0.83	0.000	0.517	0.57	1.10	0.63
42.40	129.37	2.433	66.97	1.182	0.83	0.000	0.517	0.57	1.10	0.63
42.45	129.43	2.436	67.03	1.184	0.83	0.000	0.517	0.57	1.10	0.63
42.50	129.50	2.439	67.10	1.186	0.83	0.000	0.517	0.57	1.10	0.63
42.55	129.57	2.442	67.17	1.187	0.83	0.000	0.517	0.57	1.10	0.63
42.60	129.63	2.445	67.23	1.189	0.83	0.000	0.517	0.57	1.10	0.63
42.65	129.70	2.448	67.30	1.190	0.83	0.000	0.517	0.57	1.10	0.63
42.70	129.76	2.451	67.36	1.192	0.83	0.000	0.517	0.57	1.10	0.63
42.75	129.83	2.454	67.43	1.194	0.83	0.000	0.517	0.57	1.10	0.63
42.80	129.90	2.457	67.50	1.195	0.83	0.000	0.517	0.57	1.10	0.63
42.85	129.96	2.460	67.56	1.197	0.83	0.000	0.517	0.57	1.10	0.63
42.90	130.03	2.463	67.63	1.198	0.82	0.000	0.517	0.57	1.10	0.63
42.95	130.09	2.466	67.69	1.200	0.82	0.000	0.517	0.57	1.10	0.63
43.00	130.16	2.469	67.76	1.201	0.82	0.000	0.517	0.57	1.10	0.63
43.05	130.23	2.473	67.83	1.203	0.82	0.000	0.517	0.57	1.10	0.63
43.10	130.29	2.476	67.89	1.205	0.82	0.000	0.517	0.57	1.10	0.63
43.15	130.36	2.479	67.96	1.206	0.82	0.000	0.517	0.57	1.10	0.63
43.20	130.42	2.482	68.02	1.208	0.82	0.000	0.517	0.57	1.10	0.62
43.25	130.49	2.485	68.09	1.210	0.82	0.000	0.517	0.57	1.10	0.62

43.30	130.56	2.488	68.16	1.211	0.82	0.000	0.517	0.57	1.10	0.62
43.35	130.62	2.491	68.22	1.213	0.82	0.000	0.517	0.57	1.10	0.62
43.40	130.69	2.494	68.29	1.214	0.82	0.000	0.517	0.57	1.10	0.62
43.45	130.75	2.497	68.35	1.216	0.82	0.000	0.517	0.57	1.10	0.62
43.50	130.82	2.500	68.42	1.218	0.82	0.000	0.517	0.57	1.10	0.62
43.55	130.89	2.503	68.49	1.219	0.82	0.000	0.517	0.57	1.10	0.62
43.60	130.95	2.506	68.55	1.221	0.82	0.000	0.517	0.57	1.10	0.62
43.65	131.02	2.510	68.62	1.222	0.82	0.000	0.517	0.56	1.10	0.62
43.70	131.08	2.513	68.68	1.224	0.82	0.000	0.517	0.56	1.10	0.62
43.75	131.15	2.516	68.75	1.226	0.82	0.000	0.517	0.56	1.10	0.62
43.80	131.22	2.519	68.82	1.227	0.82	0.000	0.517	0.56	1.10	0.62
43.85	131.28	2.522	68.88	1.229	0.82	0.000	0.517	0.56	1.10	0.62
43.90	131.35	2.525	68.95	1.231	0.82	0.000	0.517	0.56	1.10	0.62
43.95	131.41	2.528	69.01	1.232	0.82	0.000	0.517	0.56	1.10	0.62
44.00	131.48	2.531	69.08	1.234	0.82	0.000	0.517	0.56	1.10	0.62
44.05	131.55	2.534	69.15	1.235	0.82	0.000	0.517	0.56	1.10	0.62
44.10	131.61	2.537	69.21	1.237	0.82	0.000	0.517	0.56	1.10	0.62
44.15	131.68	2.541	69.28	1.239	0.81	0.000	0.517	0.56	1.10	0.62
44.20	131.74	2.544	69.34	1.240	0.81	0.000	0.517	0.56	1.10	0.62
44.25	131.81	2.547	69.41	1.242	0.81	0.000	0.517	0.56	1.10	0.62
44.30	131.88	2.550	69.48	1.244	0.81	0.000	0.517	0.56	1.10	0.62
44.35	131.94	2.553	69.54	1.245	0.81	0.000	0.517	0.56	1.10	0.62
44.40	132.01	2.556	69.61	1.247	0.81	0.000	0.517	0.56	1.10	0.62
44.45	132.07	2.559	69.67	1.249	0.81	0.000	0.517	0.56	1.10	0.62
44.50	132.14	2.562	69.74	1.250	0.81	0.000	0.517	0.56	1.10	0.62
44.55	132.21	2.565	69.81	1.252	0.81	0.000	0.517	0.56	1.10	0.61
44.60	132.27	2.569	69.87	1.254	0.81	0.000	0.517	0.56	1.10	0.61
44.65	132.34	2.572	69.94	1.255	0.81	0.000	0.517	0.56	1.10	0.61
44.70	132.40	2.575	70.00	1.257	0.81	0.000	0.517	0.56	1.10	0.61
44.75	132.47	2.578	70.07	1.258	0.81	0.000	0.517	0.56	1.10	0.61
44.80	132.54	2.581	70.14	1.260	0.81	0.000	0.517	0.56	1.10	0.61
44.85	132.60	2.584	70.20	1.262	0.81	0.000	0.517	0.56	1.10	0.61
44.90	132.67	2.587	70.27	1.263	0.81	0.000	0.517	0.56	1.10	0.61
44.95	132.73	2.591	70.33	1.265	0.81	0.000	0.517	0.56	1.10	0.61
45.00	132.80	2.594	70.40	1.267	0.81	0.000	0.517	0.56	1.10	0.61
45.05	132.80	2.597	70.40	1.268	0.81	0.000	0.517	0.56	1.10	0.61
45.10	132.80	2.600	70.40	1.270	0.81	0.000	0.517	0.56	1.10	0.61
45.15	132.80	2.603	70.40	1.272	0.81	0.000	0.517	0.55	1.10	0.61
45.20	132.80	2.606	70.40	1.273	0.81	0.000	0.517	0.55	1.10	0.61
45.25	132.80	2.609	70.40	1.275	0.81	0.000	0.517	0.55	1.10	0.61
45.30	132.80	2.612	70.40	1.277	0.81	0.000	0.517	0.55	1.10	0.61
45.35	132.80	2.616	70.40	1.278	0.80	0.000	0.517	0.55	1.10	0.61
45.40	132.80	2.619	70.40	1.280	0.80	0.000	0.517	0.55	1.10	0.61
45.45	132.80	2.622	70.40	1.282	0.80	0.000	0.517	0.55	1.10	0.61
45.50	132.80	2.625	70.40	1.283	0.80	0.000	0.517	0.55	1.10	0.61
45.55	132.80	2.628	70.40	1.285	0.80	0.000	0.517	0.55	1.10	0.61
45.60	132.80	2.631	70.40	1.287	0.80	0.000	0.517	0.55	1.10	0.61
45.65	132.80	2.634	70.40	1.288	0.80	0.000	0.517	0.55	1.10	0.61
45.70	132.80	2.638	70.40	1.290	0.80	0.000	0.517	0.55	1.10	0.61
45.75	132.80	2.641	70.40	1.292	0.80	0.000	0.517	0.55	1.10	0.61
45.80	132.80	2.644	70.40	1.293	0.80	0.000	0.517	0.55	1.10	0.61
45.85	132.80	2.647	70.40	1.295	0.80	0.000	0.517	0.55	1.10	0.61
45.90	132.80	2.650	70.40	1.297	0.80	0.000	0.517	0.55	1.10	0.60
45.95	132.80	2.653	70.40	1.298	0.80	0.000	0.517	0.55	1.10	0.60
46.00	132.80	2.656	70.40	1.300	0.80	0.000	0.517	0.55	1.10	0.60
46.05	132.80	2.660	70.40	1.302	0.80	0.000	0.517	0.55	1.10	0.60
46.10	132.80	2.663	70.40	1.303	0.80	0.000	0.517	0.55	1.10	0.60
46.15	132.80	2.666	70.40	1.305	0.80	0.000	0.517	0.55	1.10	0.60
46.20	132.80	2.669	70.40	1.307	0.80	0.000	0.517	0.55	1.10	0.60
46.25	132.80	2.672	70.40	1.308	0.80	0.000	0.517	0.55	1.10	0.60
46.30	132.80	2.675	70.40	1.310	0.80	0.000	0.517	0.55	1.10	0.60
46.35	132.80	2.678	70.40	1.312	0.80	0.000	0.517	0.55	1.10	0.60
46.40	132.80	2.682	70.40	1.313	0.80	0.000	0.517	0.55	1.10	0.60
46.45	132.80	2.685	70.40	1.315	0.80	0.000	0.517	0.55	1.10	0.60
46.50	132.80	2.688	70.40	1.317	0.80	0.000	0.517	0.55	1.10	0.60
46.55	132.80	2.691	70.40	1.318	0.80	0.000	0.517	0.55	1.10	0.60
46.60	132.80	2.694	70.40	1.320	0.79	0.000	0.517	0.55	1.10	0.60
46.65	132.80	2.697	70.40	1.322	0.79	0.000	0.517	0.54	1.10	0.60
46.70	132.80	2.700	70.40	1.323	0.79	0.000	0.517	0.54	1.10	0.60
46.75	132.80	2.703	70.40	1.325	0.79	0.000	0.517	0.54	1.10	0.60
46.80	132.80	2.707	70.40	1.327	0.79	0.000	0.517	0.54	1.10	0.60
46.85	132.80	2.710	70.40	1.328	0.79	0.000	0.517	0.54	1.10	0.60
46.90	132.80	2.713	70.40	1.330	0.79	0.000	0.517	0.54	1.10	0.60

46.95	132.80	2.716	70.40	1.332	0.79	0.000	0.517	0.54	1.10	0.60
47.00	132.80	2.719	70.40	1.333	0.79	0.000	0.517	0.54	1.10	0.60
47.05	132.80	2.722	70.40	1.335	0.79	0.000	0.517	0.54	1.10	0.60
47.10	132.80	2.725	70.40	1.337	0.79	0.000	0.517	0.54	1.10	0.60
47.15	132.80	2.729	70.40	1.338	0.79	0.000	0.517	0.54	1.10	0.60
47.20	132.80	2.732	70.40	1.340	0.79	0.000	0.517	0.54	1.10	0.60
47.25	132.80	2.735	70.40	1.342	0.79	0.000	0.517	0.54	1.10	0.59
47.30	132.80	2.738	70.40	1.343	0.79	0.000	0.517	0.54	1.10	0.59
47.35	132.80	2.741	70.40	1.345	0.79	0.000	0.517	0.54	1.10	0.59
47.40	132.80	2.744	70.40	1.347	0.79	0.000	0.517	0.54	1.10	0.59
47.45	132.80	2.747	70.40	1.348	0.79	0.000	0.517	0.54	1.10	0.59
47.50	132.80	2.751	70.40	1.350	0.79	0.000	0.517	0.54	1.10	0.59
47.55	132.80	2.754	70.40	1.352	0.79	0.000	0.517	0.54	1.10	0.59
47.60	132.80	2.757	70.40	1.353	0.79	0.000	0.517	0.54	1.10	0.59
47.65	132.80	2.760	70.40	1.355	0.79	0.000	0.517	0.54	1.10	0.59
47.70	132.80	2.763	70.40	1.357	0.79	0.000	0.517	0.54	1.10	0.59
47.75	132.80	2.766	70.40	1.358	0.79	0.000	0.517	0.54	1.10	0.59
47.80	132.80	2.769	70.40	1.360	0.79	0.000	0.517	0.54	1.10	0.59
47.85	132.80	2.773	70.40	1.362	0.78	0.000	0.517	0.54	1.10	0.59
47.90	132.80	2.776	70.40	1.363	0.78	0.000	0.517	0.54	1.10	0.59
47.95	132.80	2.779	70.40	1.365	0.78	0.000	0.517	0.54	1.10	0.59
48.00	132.80	2.782	70.40	1.367	0.78	0.000	0.517	0.54	1.10	0.59
48.05	132.80	2.785	70.40	1.368	0.78	0.000	0.517	0.54	1.10	0.59
48.10	132.80	2.788	70.40	1.370	0.78	0.000	0.517	0.54	1.10	0.59
48.15	132.80	2.791	70.40	1.372	0.78	0.000	0.517	0.53	1.10	0.59
48.20	132.80	2.794	70.40	1.373	0.78	0.000	0.517	0.53	1.10	0.59
48.25	132.80	2.798	70.40	1.375	0.78	0.000	0.517	0.53	1.10	0.59
48.30	132.80	2.801	70.40	1.377	0.78	0.000	0.517	0.53	1.10	0.59
48.35	132.80	2.804	70.40	1.378	0.78	0.000	0.517	0.53	1.10	0.59
48.40	132.80	2.807	70.40	1.380	0.78	0.000	0.517	0.53	1.10	0.59
48.45	132.80	2.810	70.40	1.382	0.78	0.000	0.517	0.53	1.10	0.59
48.50	132.80	2.813	70.40	1.383	0.78	0.000	0.517	0.53	1.10	0.59
48.55	132.80	2.816	70.40	1.385	0.78	0.000	0.517	0.53	1.10	0.59
48.60	132.80	2.820	70.40	1.387	0.78	0.000	0.517	0.53	1.10	0.59
48.65	132.80	2.823	70.40	1.388	0.78	0.000	0.517	0.53	1.10	0.58
48.70	132.80	2.826	70.40	1.390	0.78	0.000	0.517	0.53	1.10	0.58
48.75	132.80	2.829	70.40	1.392	0.78	0.000	0.517	0.53	1.10	0.58
48.80	132.80	2.832	70.40	1.393	0.78	0.000	0.517	0.53	1.10	0.58
48.85	132.80	2.835	70.40	1.395	0.78	0.000	0.517	0.53	1.10	0.58
48.90	132.80	2.838	70.40	1.396	0.78	0.000	0.517	0.53	1.10	0.58
48.95	132.80	2.842	70.40	1.398	0.78	0.000	0.517	0.53	1.10	0.58
49.00	132.80	2.845	70.40	1.400	0.78	0.000	0.517	0.53	1.10	0.58
49.05	132.80	2.848	70.40	1.401	0.77	0.000	0.517	0.53	1.10	0.58
49.10	132.80	2.851	70.40	1.403	0.77	0.000	0.517	0.53	1.10	0.58
49.15	132.80	2.854	70.40	1.405	0.77	0.000	0.517	0.53	1.10	0.58
49.20	132.80	2.857	70.40	1.406	0.77	0.000	0.517	0.53	1.10	0.58
49.25	132.80	2.860	70.40	1.408	0.77	0.000	0.517	0.53	1.10	0.58
49.30	132.80	2.863	70.40	1.410	0.77	0.000	0.517	0.53	1.10	0.58
49.35	132.80	2.867	70.40	1.411	0.77	0.000	0.517	0.53	1.10	0.58
49.40	132.80	2.870	70.40	1.413	0.77	0.000	0.517	0.53	1.10	0.58
49.45	132.80	2.873	70.40	1.415	0.77	0.000	0.517	0.53	1.10	0.58
49.50	132.80	2.876	70.40	1.416	0.77	0.000	0.517	0.53	1.10	0.58
49.55	132.80	2.879	70.40	1.418	0.77	0.000	0.517	0.53	1.10	0.58
49.60	132.80	2.882	70.40	1.420	0.77	0.000	0.517	0.53	1.10	0.58
49.65	132.80	2.885	70.40	1.421	0.77	0.000	0.517	0.53	1.10	0.58
49.70	132.80	2.889	70.40	1.423	0.77	0.000	0.517	0.52	1.10	0.58
49.75	132.80	2.892	70.40	1.425	0.77	0.000	0.517	0.52	1.10	0.58
49.80	132.80	2.895	70.40	1.426	0.77	0.000	0.517	0.52	1.10	0.58
49.85	132.80	2.898	70.40	1.428	0.77	0.000	0.517	0.52	1.10	0.58
49.90	132.80	2.901	70.40	1.430	0.77	0.000	0.517	0.52	1.10	0.58
49.95	132.80	2.904	70.40	1.431	0.77	0.000	0.517	0.52	1.10	0.58
50.00	132.80	2.907	70.40	1.433	0.77	0.000	0.517	0.52	1.10	0.58
50.05	132.84	2.911	70.44	1.435	0.77	0.000	0.517	0.52	1.10	0.57
50.10	132.89	2.914	70.49	1.436	0.77	0.000	0.517	0.52	1.10	0.57
50.15	132.93	2.917	70.53	1.438	0.77	0.000	0.517	0.52	1.10	0.57
50.20	132.98	2.920	70.58	1.440	0.77	0.000	0.517	0.52	1.10	0.57
50.25	133.02	2.923	70.62	1.441	0.77	0.000	0.517	0.52	1.10	0.57
50.30	133.07	2.926	70.67	1.443	0.76	0.000	0.517	0.52	1.10	0.57
50.35	133.11	2.929	70.71	1.445	0.76	0.000	0.517	0.52	1.10	0.57
50.40	133.16	2.933	70.76	1.446	0.76	0.000	0.517	0.52	1.10	0.57
50.45	133.20	2.936	70.80	1.448	0.76	0.000	0.517	0.52	1.10	0.57
50.50	133.25	2.939	70.85	1.450	0.76	0.000	0.517	0.52	1.10	0.57
50.55	133.29	2.942	70.89	1.451	0.76	0.000	0.517	0.52	1.10	0.57

50.60	133.34	2.945	70.94	1.453	0.76	0.000	0.517	0.52	1.10	0.57
50.65	133.38	2.948	70.98	1.455	0.76	0.000	0.517	0.52	1.10	0.57
50.70	133.43	2.951	71.03	1.456	0.76	0.000	0.517	0.52	1.10	0.57
50.75	133.47	2.955	71.07	1.458	0.76	0.000	0.517	0.52	1.10	0.57
50.80	133.52	2.958	71.12	1.460	0.76	0.000	0.517	0.52	1.10	0.57
50.85	133.56	2.961	71.16	1.462	0.76	0.000	0.517	0.52	1.10	0.57
50.90	133.61	2.964	71.21	1.463	0.76	0.000	0.517	0.52	1.10	0.57
50.95	133.65	2.967	71.25	1.465	0.76	0.000	0.517	0.52	1.10	0.57
51.00	133.70	2.970	71.30	1.467	0.76	0.000	0.517	0.52	1.10	0.57
51.05	133.74	2.974	71.34	1.468	0.76	0.000	0.517	0.52	1.10	0.57
51.10	133.79	2.977	71.39	1.470	0.76	0.000	0.517	0.52	1.10	0.57
51.15	133.83	2.980	71.43	1.472	0.76	0.000	0.517	0.52	1.10	0.57
51.20	133.88	2.983	71.48	1.473	0.76	0.000	0.517	0.52	1.10	0.57
51.25	133.92	2.986	71.52	1.475	0.76	0.000	0.517	0.51	1.10	0.57
51.30	133.97	2.989	71.57	1.477	0.76	0.000	0.517	0.51	1.10	0.57
51.35	134.01	2.993	71.61	1.478	0.76	0.000	0.517	0.51	1.10	0.57
51.40	134.06	2.996	71.66	1.480	0.76	0.000	0.517	0.51	1.10	0.57
51.45	134.10	2.999	71.70	1.482	0.76	0.000	0.517	0.51	1.10	0.57
51.50	134.15	3.002	71.75	1.483	0.75	0.000	0.517	0.51	1.10	0.56
51.55	134.19	3.005	71.79	1.485	0.75	0.000	0.517	0.51	1.10	0.56
51.60	134.24	3.008	71.84	1.487	0.75	0.000	0.517	0.51	1.10	0.56
51.65	134.28	3.012	71.88	1.489	0.75	0.000	0.517	0.51	1.10	0.56
51.70	134.33	3.015	71.93	1.490	0.75	0.000	0.517	0.51	1.10	0.56
51.75	134.37	3.018	71.97	1.492	0.75	0.000	0.517	0.51	1.10	0.56
51.80	134.42	3.021	72.02	1.494	0.75	0.000	0.517	0.51	1.10	0.56
51.85	134.46	3.024	72.06	1.495	0.75	0.000	0.517	0.51	1.10	0.56
51.90	134.51	3.027	72.11	1.497	0.75	0.000	0.517	0.51	1.10	0.56
51.95	134.55	3.031	72.15	1.499	0.75	0.000	0.517	0.51	1.10	0.56
52.00	134.60	3.034	72.20	1.500	0.75	0.000	0.517	0.51	1.10	0.56
52.05	134.64	3.037	72.24	1.502	0.75	0.000	0.517	0.51	1.10	0.56
52.10	134.69	3.040	72.29	1.504	0.75	0.000	0.517	0.51	1.10	0.56
52.15	134.73	3.043	72.33	1.506	0.75	0.000	0.517	0.51	1.10	0.56
52.20	134.78	3.046	72.38	1.507	0.75	0.000	0.517	0.51	1.10	0.56
52.25	134.82	3.050	72.42	1.509	0.75	0.000	0.517	0.51	1.10	0.56
52.30	134.87	3.053	72.47	1.511	0.75	0.000	0.517	0.51	1.10	0.56
52.35	134.91	3.056	72.51	1.512	0.75	0.000	0.517	0.51	1.10	0.56
52.40	134.96	3.059	72.56	1.514	0.75	0.000	0.517	0.51	1.10	0.56
52.45	135.00	3.062	72.60	1.516	0.75	0.000	0.517	0.51	1.10	0.56
52.50	135.05	3.066	72.65	1.518	0.75	0.000	0.517	0.51	1.10	0.56
52.55	135.09	3.069	72.69	1.519	0.75	0.000	0.517	0.51	1.10	0.56
52.60	135.14	3.072	72.74	1.521	0.75	0.000	0.517	0.51	1.10	0.56
52.65	135.18	3.075	72.78	1.523	0.75	0.000	0.517	0.51	1.10	0.56
52.70	135.23	3.078	72.83	1.524	0.75	0.000	0.517	0.51	1.10	0.56
52.75	135.27	3.082	72.87	1.526	0.74	0.000	0.517	0.51	1.10	0.56
52.80	135.32	3.085	72.92	1.528	0.74	0.000	0.517	0.51	1.10	0.56
52.85	135.36	3.088	72.96	1.530	0.74	0.000	0.517	0.50	1.10	0.56
52.90	135.41	3.091	73.01	1.531	0.74	0.000	0.517	0.50	1.10	0.55
52.95	135.45	3.094	73.05	1.533	0.74	0.000	0.517	0.50	1.10	0.55
53.00	135.50	3.098	73.10	1.535	0.74	0.000	0.517	0.50	1.10	0.55
53.05	135.54	3.101	73.14	1.536	0.74	0.000	0.517	0.50	1.10	0.55
53.10	135.59	3.104	73.19	1.538	0.74	0.000	0.517	0.50	1.10	0.55
53.15	135.63	3.107	73.23	1.540	0.74	0.000	0.517	0.50	1.10	0.55
53.20	135.68	3.110	73.28	1.542	0.74	0.000	0.517	0.50	1.10	0.55
53.25	135.72	3.114	73.32	1.543	0.74	0.000	0.517	0.50	1.10	0.55
53.30	135.77	3.117	73.37	1.545	0.74	0.000	0.517	0.50	1.10	0.55
53.35	135.81	3.120	73.41	1.547	0.74	0.000	0.517	0.50	1.10	0.55
53.40	135.86	3.123	73.46	1.549	0.74	0.000	0.517	0.50	1.10	0.55
53.45	135.90	3.126	73.50	1.550	0.74	0.000	0.517	0.50	1.10	0.55
53.50	135.95	3.130	73.55	1.552	0.74	0.000	0.517	0.50	1.10	0.55
53.55	135.99	3.133	73.59	1.554	0.74	0.000	0.517	0.50	1.10	0.55
53.60	136.04	3.136	73.64	1.556	0.74	0.000	0.517	0.50	1.10	0.55
53.65	136.08	3.139	73.68	1.557	0.74	0.000	0.517	0.50	1.10	0.55
53.70	136.13	3.142	73.73	1.559	0.74	0.000	0.517	0.50	1.10	0.55
53.75	136.17	3.146	73.77	1.561	0.74	0.000	0.517	0.50	1.10	0.55
53.80	136.22	3.149	73.82	1.563	0.74	0.000	0.517	0.50	1.10	0.55
53.85	136.26	3.152	73.86	1.564	0.74	0.000	0.517	0.50	1.10	0.55
53.90	136.31	3.155	73.91	1.566	0.74	0.000	0.517	0.50	1.10	0.55
53.95	136.35	3.159	73.95	1.568	0.73	0.000	0.517	0.50	1.10	0.55
54.00	136.40	3.162	74.00	1.570	0.73	0.000	0.517	0.50	1.10	0.55
54.05	136.44	3.165	74.04	1.571	0.73	0.000	0.517	0.50	1.10	0.55
54.10	136.49	3.168	74.09	1.573	0.73	0.000	0.517	0.50	1.10	0.55
54.15	136.53	3.171	74.13	1.575	0.73	0.000	0.517	0.50	1.10	0.55
54.20	136.58	3.175	74.18	1.577	0.73	0.000	0.517	0.50	1.10	0.55

54.25	136.62	3.178	74.22	1.578	0.73	0.000	0.517	0.50	1.10	0.55
54.30	136.67	3.181	74.27	1.580	0.73	0.000	0.517	0.50	1.10	0.54
54.35	136.71	3.184	74.31	1.582	0.73	0.000	0.517	0.50	1.10	0.54
54.40	136.76	3.188	74.36	1.584	0.73	0.000	0.517	0.49	1.10	0.54
54.45	136.80	3.191	74.40	1.585	0.73	0.000	0.517	0.49	1.10	0.54
54.50	136.85	3.194	74.45	1.587	0.73	0.000	0.517	0.49	1.10	0.54
54.55	136.89	3.197	74.49	1.589	0.73	0.000	0.517	0.49	1.10	0.54
54.60	136.94	3.201	74.54	1.591	0.73	0.000	0.517	0.49	1.10	0.54
54.65	136.98	3.204	74.58	1.592	0.73	0.000	0.517	0.49	1.10	0.54
54.70	137.03	3.207	74.63	1.594	0.73	0.000	0.517	0.49	1.10	0.54
54.75	137.07	3.210	74.67	1.596	0.73	0.000	0.517	0.49	1.10	0.54
54.80	137.12	3.213	74.72	1.598	0.73	0.000	0.517	0.49	1.10	0.54
54.85	137.16	3.217	74.76	1.599	0.73	0.000	0.517	0.49	1.10	0.54
54.90	137.21	3.220	74.81	1.601	0.73	0.000	0.517	0.49	1.10	0.54
54.95	137.25	3.223	74.85	1.603	0.73	0.000	0.517	0.49	1.10	0.54
55.00	137.30	3.226	74.90	1.605	0.73	0.000	0.517	0.49	1.10	0.54

CSR is based on water table at 0.00 during earthquake

CRR Calculation from SPT or BPT data:

Depth ft	SPT	Cebs	Cr	sigma' atm	Cn	(N1)60	Fines %	d(N1)60	(N1)60f	CRR7.5
10.00	11.00	1.96	0.85	0.572	1.32	24.23	68.60	9.85	34.08	0.50
10.05	11.00	1.96	0.85	0.575	1.32	24.17	68.60	9.83	34.00	0.50
10.10	11.00	1.96	0.85	0.577	1.32	24.11	68.60	9.82	33.93	0.50
10.15	11.00	1.96	0.85	0.580	1.31	24.05	68.60	9.81	33.86	0.50
10.20	11.00	1.96	0.85	0.583	1.31	23.99	68.60	9.80	33.79	0.50
10.25	11.00	1.96	0.85	0.586	1.31	23.93	68.60	9.79	33.72	0.50
10.30	11.00	1.96	0.85	0.589	1.30	23.88	68.60	9.78	33.65	0.50
10.35	11.00	1.96	0.85	0.592	1.30	23.82	68.60	9.76	33.58	0.50
10.40	11.00	1.96	0.85	0.595	1.30	23.76	68.60	9.75	33.51	0.50
10.45	11.00	1.96	0.85	0.598	1.29	23.70	68.60	9.74	33.44	0.50
10.50	11.00	1.96	0.85	0.600	1.29	23.65	68.60	9.73	33.38	0.50
10.55	11.00	1.96	0.85	0.603	1.29	23.59	68.60	9.72	33.31	0.50
10.60	11.00	1.96	0.85	0.606	1.28	23.53	68.60	9.71	33.24	0.50
10.65	11.00	1.96	0.85	0.609	1.28	23.48	68.60	9.70	33.17	0.50
10.70	11.00	1.96	0.85	0.612	1.28	23.42	68.60	9.68	33.11	0.50
10.75	11.00	1.96	0.85	0.615	1.28	23.37	68.60	9.67	33.04	0.50
10.80	11.00	1.96	0.85	0.618	1.27	23.31	68.60	9.66	32.98	0.50
10.85	11.00	1.96	0.85	0.620	1.27	23.26	68.60	9.65	32.91	0.50
10.90	11.00	1.96	0.85	0.623	1.27	23.21	68.60	9.64	32.85	0.50
10.95	11.00	1.96	0.85	0.626	1.26	23.15	68.60	9.63	32.79	0.50
11.00	11.00	1.96	0.85	0.629	1.26	23.10	68.60	9.62	32.72	0.50
11.05	11.00	1.96	0.85	0.632	1.26	23.05	68.60	9.61	32.66	0.50
11.10	11.00	1.96	0.85	0.635	1.26	23.00	68.60	9.60	32.60	0.50
11.15	11.00	1.96	0.85	0.638	1.25	22.95	68.60	9.59	32.53	0.50
11.20	11.00	1.96	0.85	0.641	1.25	22.89	68.60	9.58	32.47	0.50
11.25	11.00	1.96	0.85	0.643	1.25	22.84	68.60	9.57	32.41	0.50
11.30	11.00	1.96	0.85	0.646	1.24	22.79	68.60	9.56	32.35	0.50
11.35	11.00	1.96	0.85	0.649	1.24	22.74	68.60	9.55	32.29	0.50
11.40	11.00	1.96	0.85	0.652	1.24	22.69	68.60	9.54	32.23	0.50
11.45	11.00	1.96	0.85	0.655	1.24	22.64	68.60	9.53	32.17	0.50
11.50	11.00	1.96	0.85	0.658	1.23	22.59	68.60	9.52	32.11	0.50
11.55	11.00	1.96	0.85	0.661	1.23	22.54	68.60	9.51	32.05	0.50
11.60	11.00	1.96	0.85	0.663	1.23	22.49	68.60	9.50	31.99	0.50
11.65	11.00	1.96	0.85	0.666	1.23	22.45	68.60	9.49	31.93	0.50
11.70	11.00	1.96	0.85	0.669	1.22	22.40	68.60	9.48	31.88	0.50
11.75	11.00	1.96	0.85	0.672	1.22	22.35	68.60	9.47	31.82	0.50
11.80	11.00	1.96	0.85	0.675	1.22	22.30	68.60	9.46	31.76	0.50
11.85	11.00	1.96	0.85	0.678	1.21	22.25	68.60	9.45	31.70	0.50
11.90	11.00	1.96	0.85	0.681	1.21	22.21	68.60	9.44	31.65	0.50
11.95	11.00	1.96	0.85	0.684	1.21	22.16	68.60	9.43	31.59	0.50
12.00	11.00	1.96	0.85	0.686	1.21	22.11	68.60	9.42	31.54	0.50
12.05	11.00	1.96	0.85	0.689	1.20	22.07	68.60	9.41	31.48	0.50
12.10	11.00	1.96	0.85	0.692	1.20	22.02	68.60	9.40	31.43	0.50
12.15	11.00	1.96	0.85	0.695	1.20	21.98	68.60	9.40	31.37	0.50
12.20	11.00	1.96	0.85	0.698	1.20	21.93	68.60	9.39	31.32	0.50
12.25	11.00	1.96	0.85	0.701	1.19	21.89	68.60	9.38	31.26	0.50
12.30	11.00	1.96	0.85	0.704	1.19	21.84	68.60	9.37	31.21	0.50
12.35	11.00	1.96	0.85	0.707	1.19	21.80	68.60	9.36	31.16	0.50
12.40	11.00	1.96	0.85	0.710	1.19	21.75	68.60	9.35	31.10	0.50
12.45	11.00	1.96	0.85	0.712	1.18	21.71	68.60	9.34	31.05	0.50

12.50	11.00	1.96	0.85	0.715	1.18	21.66	68.60	9.33	31.00	0.50
12.55	11.00	1.96	0.85	0.718	1.18	21.62	68.60	9.32	30.94	0.50
12.60	11.00	1.96	0.85	0.721	1.18	21.58	68.60	9.32	30.89	0.50
12.65	11.00	1.96	0.85	0.724	1.18	21.53	68.60	9.31	30.84	0.50
12.70	11.00	1.96	0.85	0.727	1.17	21.49	68.60	9.30	30.79	0.50
12.75	11.00	1.96	0.85	0.730	1.17	21.45	68.60	9.29	30.74	0.50
12.80	11.00	1.96	0.85	0.733	1.17	21.41	68.60	9.28	30.69	0.50
12.85	11.00	1.96	0.85	0.735	1.17	21.36	68.60	9.27	30.64	0.50
12.90	11.00	1.96	0.85	0.738	1.16	21.32	68.60	9.26	30.59	0.50
12.95	11.00	1.96	0.85	0.741	1.16	21.28	68.60	9.26	30.54	0.50
13.00	11.00	1.96	0.85	0.744	1.16	21.24	68.60	9.25	30.49	0.50
13.05	11.00	1.96	0.85	0.747	1.16	21.20	68.60	9.24	30.44	0.50
13.10	11.00	1.96	0.85	0.750	1.15	21.16	68.60	9.23	30.39	0.50
13.15	11.00	1.96	0.85	0.753	1.15	21.12	68.60	9.22	30.34	0.50
13.20	11.00	1.96	0.85	0.756	1.15	21.08	68.60	9.22	30.29	0.50
13.25	11.00	1.96	0.85	0.759	1.15	21.04	68.60	9.21	30.24	0.50
13.30	11.00	1.96	0.85	0.761	1.15	21.00	68.60	9.20	30.20	0.50
13.35	11.00	1.96	0.85	0.764	1.14	20.96	68.60	9.19	30.15	0.50
13.40	11.00	1.96	0.85	0.767	1.14	20.92	68.60	9.18	30.10	0.49
13.45	11.00	1.96	0.85	0.770	1.14	20.88	68.60	9.18	30.05	0.47
13.50	11.00	1.96	0.85	0.773	1.14	20.84	68.60	9.17	30.01	0.46
13.55	11.00	1.96	0.85	0.776	1.14	20.80	68.60	9.16	29.96	0.45
13.60	11.00	1.96	0.85	0.779	1.13	20.76	68.60	9.15	29.91	0.44
13.65	11.00	1.96	0.85	0.782	1.13	20.72	68.60	9.14	29.87	0.44
13.70	11.00	1.96	0.85	0.785	1.13	20.69	68.60	9.14	29.82	0.43
13.75	11.00	1.96	0.85	0.787	1.13	20.65	68.60	9.13	29.78	0.42
13.80	11.00	1.96	0.85	0.790	1.12	20.61	68.60	9.12	29.73	0.42
13.85	11.00	1.96	0.85	0.793	1.12	20.57	68.60	9.11	29.69	0.41
13.90	11.00	1.96	0.85	0.796	1.12	20.53	68.60	9.11	29.64	0.41
13.95	11.00	1.96	0.85	0.799	1.12	20.50	68.60	9.10	29.60	0.41
14.00	11.00	1.96	0.85	0.802	1.12	20.46	68.60	9.09	29.55	0.40
14.05	11.00	1.96	0.85	0.805	1.11	20.42	68.60	9.08	29.51	0.40
14.10	11.00	1.96	0.85	0.808	1.11	20.39	68.60	9.08	29.46	0.40
14.15	11.00	1.96	0.85	0.811	1.11	20.35	68.60	9.07	29.42	0.40
14.20	11.00	1.96	0.85	0.813	1.11	20.31	68.60	9.06	29.38	0.39
14.25	11.00	1.96	0.85	0.816	1.11	20.28	68.60	9.06	29.33	0.39
14.30	11.00	1.96	0.85	0.819	1.10	20.24	68.60	9.05	29.29	0.39
14.35	11.00	1.96	0.85	0.822	1.10	20.21	68.60	9.04	29.25	0.39
14.40	11.00	1.96	0.85	0.825	1.10	20.17	68.60	9.03	29.21	0.38
14.45	11.00	1.96	0.85	0.828	1.10	20.14	68.60	9.03	29.16	0.38
14.50	11.00	1.96	0.85	0.831	1.10	20.10	68.60	9.02	29.12	0.38
14.55	11.00	1.96	0.85	0.834	1.10	20.07	68.60	9.01	29.08	0.38
14.60	11.00	1.96	0.85	0.837	1.09	20.03	68.60	9.01	29.04	0.38
14.65	11.00	1.96	0.85	0.840	1.09	20.00	68.60	9.00	29.00	0.37
14.70	11.00	1.96	0.85	0.842	1.09	19.96	68.60	8.99	28.95	0.37
14.75	11.00	1.96	0.85	0.845	1.09	19.93	68.60	8.99	28.91	0.37
14.80	11.00	1.96	0.95	0.848	1.09	22.23	68.60	9.45	31.68	0.50
14.85	11.00	1.96	0.95	0.851	1.08	22.20	68.60	9.44	31.64	0.50
14.90	11.00	1.96	0.95	0.854	1.08	22.16	68.60	9.43	31.59	0.50
14.95	11.00	1.96	0.95	0.857	1.08	22.12	68.60	9.42	31.54	0.50
15.00	11.00	1.96	0.95	0.860	1.08	22.08	68.60	9.42	31.50	0.50
15.05	10.92	1.96	0.95	0.863	1.08	21.89	68.92	9.38	31.26	0.50
15.10	10.84	1.96	0.95	0.866	1.07	21.69	69.25	9.34	31.03	0.50
15.15	10.76	1.96	0.95	0.869	1.07	21.49	69.57	9.30	30.79	0.50
15.20	10.68	1.96	0.95	0.872	1.07	21.30	69.90	9.26	30.56	0.50
15.25	10.60	1.96	0.95	0.874	1.07	21.10	70.22	9.22	30.32	0.50
15.30	10.52	1.96	0.95	0.877	1.07	20.91	70.54	9.18	30.09	0.48
15.35	10.44	1.96	0.95	0.880	1.07	20.72	70.87	9.14	29.86	0.43
15.40	10.36	1.96	0.95	0.883	1.06	20.52	71.19	9.10	29.63	0.41
15.45	10.28	1.96	0.95	0.886	1.06	20.33	71.52	9.07	29.40	0.39
15.50	10.20	1.96	0.95	0.889	1.06	20.14	71.84	9.03	29.17	0.38
15.55	10.12	1.96	0.95	0.892	1.06	19.95	72.16	8.99	28.94	0.37
15.60	10.04	1.96	0.95	0.895	1.06	19.76	72.49	8.95	28.71	0.36
15.65	9.96	1.96	0.95	0.898	1.06	19.57	72.81	8.91	28.49	0.36
15.70	9.88	1.96	0.95	0.900	1.05	19.38	73.14	8.88	28.26	0.35
15.75	9.80	1.96	0.95	0.903	1.05	19.20	73.46	8.84	28.03	0.34
15.80	9.72	1.96	0.95	0.906	1.05	19.01	73.78	8.80	27.81	0.34
15.85	9.64	1.96	0.95	0.909	1.05	18.82	74.11	8.76	27.59	0.33
15.90	9.56	1.96	0.95	0.912	1.05	18.64	74.43	8.73	27.36	0.33
15.95	9.48	1.96	0.95	0.915	1.05	18.45	74.76	8.69	27.14	0.32
16.00	9.40	1.96	0.95	0.918	1.04	18.27	75.08	8.65	26.92	0.32
16.05	9.32	1.96	0.95	0.921	1.04	18.08	75.40	8.62	26.70	0.31
16.10	9.24	1.96	0.95	0.924	1.04	17.90	75.73	8.58	26.48	0.31

16.15	9.16	1.96	0.95	0.926	1.04	17.72	76.05	8.54	26.26	0.30
16.20	9.08	1.96	0.95	0.929	1.04	17.53	76.38	8.51	26.04	0.30
16.25	9.00	1.96	0.95	0.932	1.04	17.35	76.70	8.47	25.82	0.30
16.30	8.92	1.96	0.95	0.935	1.03	17.17	77.02	8.43	25.61	0.29
16.35	8.84	1.96	0.95	0.938	1.03	16.99	77.35	8.40	25.39	0.29
16.40	8.76	1.96	0.95	0.941	1.03	16.81	77.67	8.36	25.18	0.29
16.45	8.68	1.96	0.95	0.944	1.03	16.63	78.00	8.33	24.96	0.28
16.50	8.60	1.96	0.95	0.947	1.03	16.46	78.32	8.29	24.75	0.28
16.55	8.52	1.96	0.95	0.949	1.03	16.28	78.64	8.26	24.53	0.28
16.60	8.44	1.96	0.95	0.952	1.02	16.10	78.97	8.22	24.32	0.27
16.65	8.36	1.96	0.95	0.955	1.02	15.92	79.29	8.18	24.11	0.27
16.70	8.28	1.96	0.95	0.958	1.02	15.75	79.62	8.15	23.90	0.27
16.75	8.20	1.96	0.95	0.961	1.02	15.57	79.94	8.11	23.69	0.26
16.80	8.12	1.96	0.95	0.964	1.02	15.40	80.26	8.08	23.48	0.26
16.85	8.04	1.96	0.95	0.967	1.02	15.22	80.59	8.04	23.27	0.26
16.90	7.96	1.96	0.95	0.970	1.02	15.05	80.91	8.01	23.06	0.25
16.95	7.88	1.96	0.95	0.972	1.01	14.88	81.24	7.98	22.85	0.25
17.00	7.80	1.96	0.95	0.975	1.01	14.70	81.56	7.94	22.64	0.25
17.05	7.72	1.96	0.95	0.977	1.01	14.54	81.88	7.91	22.45	0.25
17.10	7.64	1.96	0.95	0.978	1.01	14.38	82.21	7.88	22.26	0.24
17.15	7.56	1.96	0.95	0.979	1.01	14.22	82.53	7.84	22.06	0.24
17.20	7.48	1.96	0.95	0.981	1.01	14.06	82.86	7.81	21.87	0.24
17.25	7.40	1.96	0.95	0.982	1.01	13.90	83.18	7.78	21.68	0.24
17.30	7.32	1.96	0.95	0.984	1.01	13.74	83.50	7.75	21.49	0.23
17.35	7.24	1.96	0.95	0.985	1.01	13.58	83.83	7.72	21.30	0.23
17.40	7.16	1.96	0.95	0.986	1.01	13.42	84.15	7.68	21.11	0.23
17.45	7.08	1.96	0.95	0.988	1.01	13.26	84.48	7.65	20.91	0.23
17.50	7.00	1.96	0.95	0.989	1.01	13.10	84.80	7.62	20.72	0.22
17.55	6.92	1.96	0.95	0.991	1.00	12.94	85.12	7.59	20.53	0.22
17.60	6.84	1.96	0.95	0.992	1.00	12.79	85.45	7.56	20.34	0.22
17.65	6.76	1.96	0.95	0.993	1.00	12.63	85.77	7.53	20.15	0.22
17.70	6.68	1.96	0.95	0.995	1.00	12.47	86.10	7.49	19.96	0.22
17.75	6.60	1.96	0.95	0.996	1.00	12.31	86.42	7.46	19.77	0.21
17.80	6.52	1.96	0.95	0.997	1.00	12.15	86.74	7.43	19.58	0.21
17.85	6.44	1.96	0.95	0.999	1.00	12.00	87.07	7.40	19.40	0.21
17.90	6.36	1.96	0.95	1.000	1.00	11.84	87.39	7.37	19.21	0.21
17.95	6.28	1.96	0.95	1.002	1.00	11.68	87.72	7.34	19.02	0.21
18.00	6.20	1.96	0.95	1.003	1.00	11.53	88.04	7.31	18.83	0.20
18.05	6.12	1.96	0.95	1.004	1.00	11.37	88.36	7.27	18.64	0.20
18.10	6.04	1.96	0.95	1.006	1.00	11.21	88.69	7.24	18.46	0.20
18.15	5.96	1.96	0.95	1.007	1.00	11.06	89.01	7.21	18.27	0.20
18.20	5.88	1.96	0.95	1.008	1.00	10.90	89.34	7.18	18.08	0.20
18.25	5.80	1.96	0.95	1.010	1.00	10.75	89.66	7.15	17.89	0.19
18.30	5.72	1.96	0.95	1.011	0.99	10.59	89.98	7.12	17.71	0.19
18.35	5.64	1.96	0.95	1.012	0.99	10.43	90.31	7.09	17.52	0.19
18.40	5.56	1.96	0.95	1.014	0.99	10.28	90.63	7.06	17.34	0.19
18.45	5.48	1.96	0.95	1.015	0.99	10.13	90.96	7.03	17.15	0.19
18.50	5.40	1.96	0.95	1.017	0.99	9.97	91.28	6.99	16.96	0.18
18.55	5.32	1.96	0.95	1.018	0.99	9.82	91.60	6.96	16.78	0.18
18.60	5.24	1.96	0.95	1.019	0.99	9.66	91.93	6.93	16.59	0.18
18.65	5.16	1.96	0.95	1.021	0.99	9.51	92.25	6.90	16.41	0.18
18.70	5.08	1.96	0.95	1.022	0.99	9.35	92.58	6.87	16.23	0.18
18.75	5.00	1.96	0.95	1.023	0.99	9.20	92.90	6.84	16.04	0.17
18.80	4.92	1.96	0.95	1.025	0.99	9.05	93.22	6.81	15.86	0.17
18.85	4.84	1.96	0.95	1.026	0.99	8.90	93.55	6.78	15.67	0.17
18.90	4.76	1.96	0.95	1.027	0.99	8.74	93.87	6.75	15.49	0.17
18.95	4.68	1.96	0.95	1.029	0.99	8.59	94.20	6.72	15.31	0.17
19.00	4.60	1.96	0.95	1.030	0.99	8.44	94.52	6.69	15.13	0.16
19.05	4.52	1.96	0.95	1.031	0.98	8.29	94.84	6.66	14.94	0.16
19.10	4.44	1.96	0.95	1.033	0.98	8.13	95.17	6.63	14.76	0.16
19.15	4.36	1.96	0.95	1.034	0.98	7.98	95.49	6.60	14.58	0.16
19.20	4.28	1.96	0.95	1.035	0.98	7.83	95.82	6.57	14.40	0.16
19.25	4.20	1.96	0.95	1.037	0.98	7.68	96.14	6.54	14.21	0.15
19.30	4.12	1.96	0.95	1.038	0.98	7.53	96.46	6.51	14.03	0.15
19.35	4.04	1.96	0.95	1.040	0.98	7.38	96.79	6.48	13.85	0.15
19.40	3.96	1.96	0.95	1.041	0.98	7.23	97.11	6.45	13.67	0.15
19.45	3.88	1.96	0.95	1.042	0.98	7.08	97.44	6.42	13.49	0.15
19.50	3.80	1.96	0.95	1.044	0.98	6.93	97.76	6.39	13.31	0.14
19.55	3.72	1.96	0.95	1.045	0.98	6.77	98.08	6.35	13.13	0.14
19.60	3.64	1.96	0.95	1.046	0.98	6.63	98.41	6.33	12.95	0.14
19.65	3.56	1.96	0.95	1.048	0.98	6.48	98.73	6.30	12.77	0.14
19.70	3.48	1.96	0.95	1.049	0.98	6.33	99.06	6.27	12.59	0.14
19.75	3.40	1.96	0.95	1.050	0.98	6.18	99.38	6.24	12.41	0.13

19.80	3.32	1.96	0.95	1.052	0.98	6.03	99.70	6.21	12.23	0.13
19.85	3.24	1.96	0.95	1.053	0.97	5.88	NoLiq	6.18	12.05	0.13
19.90	3.16	1.96	0.95	1.054	0.97	5.73	NoLiq	6.15	11.88	0.13
19.95	3.08	1.96	0.95	1.056	0.97	5.58	NoLiq	6.12	11.70	0.13
20.00	3.00	1.96	0.95	1.057	0.97	5.43	NoLiq	6.09	11.52	0.12
20.05	3.00	1.96	0.95	1.058	0.97	5.43	NoLiq	6.09	11.51	0.12
20.10	3.00	1.96	0.95	1.060	0.97	5.43	NoLiq	6.09	11.51	0.12
20.15	3.00	1.96	0.95	1.061	0.97	5.42	NoLiq	6.08	11.51	0.12
20.20	3.00	1.96	0.95	1.062	0.97	5.42	NoLiq	6.08	11.50	0.12
20.25	3.00	1.96	0.95	1.064	0.97	5.42	NoLiq	6.08	11.50	0.12
20.30	3.00	1.96	0.95	1.065	0.97	5.41	NoLiq	6.08	11.49	0.12
20.35	3.00	1.96	0.95	1.066	0.97	5.41	NoLiq	6.08	11.49	0.12
20.40	3.00	1.96	0.95	1.068	0.97	5.41	NoLiq	6.08	11.49	0.12
20.45	3.00	1.96	0.95	1.069	0.97	5.40	NoLiq	6.08	11.48	0.12
20.50	3.00	1.96	0.95	1.070	0.97	5.40	NoLiq	6.08	11.48	0.12
20.55	3.00	1.96	0.95	1.072	0.97	5.40	NoLiq	6.08	11.47	0.12
20.60	3.00	1.96	0.95	1.073	0.97	5.39	NoLiq	6.08	11.47	0.12
20.65	3.00	1.96	0.95	1.074	0.96	5.39	NoLiq	6.08	11.47	0.12
20.70	3.00	1.96	0.95	1.076	0.96	5.39	NoLiq	6.08	11.46	0.12
20.75	3.00	1.96	0.95	1.077	0.96	5.38	NoLiq	6.08	11.46	0.12
20.80	3.00	1.96	0.95	1.078	0.96	5.38	NoLiq	6.08	11.45	0.12
20.85	3.00	1.96	0.95	1.080	0.96	5.38	NoLiq	6.08	11.45	0.12
20.90	3.00	1.96	0.95	1.081	0.96	5.37	NoLiq	6.07	11.45	0.12
20.95	3.00	1.96	0.95	1.082	0.96	5.37	NoLiq	6.07	11.44	0.12
21.00	3.00	1.96	0.95	1.084	0.96	5.37	NoLiq	6.07	11.44	0.12
21.05	3.00	1.96	0.95	1.085	0.96	5.36	NoLiq	6.07	11.43	0.12
21.10	3.00	1.96	0.95	1.086	0.96	5.36	NoLiq	6.07	11.43	0.12
21.15	3.00	1.96	0.95	1.088	0.96	5.36	NoLiq	6.07	11.43	0.12
21.20	3.00	1.96	0.95	1.089	0.96	5.35	NoLiq	6.07	11.42	0.12
21.25	3.00	1.96	0.95	1.090	0.96	5.35	NoLiq	6.07	11.42	0.12
21.30	3.00	1.96	0.95	1.092	0.96	5.35	NoLiq	6.07	11.41	0.12
21.35	3.00	1.96	0.95	1.093	0.96	5.34	NoLiq	6.07	11.41	0.12
21.40	3.00	1.96	0.95	1.094	0.96	5.34	NoLiq	6.07	11.41	0.12
21.45	3.00	1.96	0.95	1.096	0.96	5.34	NoLiq	6.07	11.40	0.12
21.50	3.00	1.96	0.95	1.097	0.95	5.33	NoLiq	6.07	11.40	0.12
21.55	3.00	1.96	0.95	1.098	0.95	5.33	NoLiq	6.07	11.40	0.12
21.60	3.00	1.96	0.95	1.100	0.95	5.33	NoLiq	6.07	11.39	0.12
21.65	3.00	1.96	0.95	1.101	0.95	5.32	NoLiq	6.06	11.39	0.12
21.70	3.00	1.96	0.95	1.102	0.95	5.32	NoLiq	6.06	11.38	0.12
21.75	3.00	1.96	0.95	1.103	0.95	5.32	NoLiq	6.06	11.38	0.12
21.80	3.00	1.96	0.95	1.105	0.95	5.31	NoLiq	6.06	11.38	0.12
21.85	3.00	1.96	0.95	1.106	0.95	5.31	NoLiq	6.06	11.37	0.12
21.90	3.00	1.96	0.95	1.107	0.95	5.31	NoLiq	6.06	11.37	0.12
21.95	3.00	1.96	0.95	1.109	0.95	5.30	NoLiq	6.06	11.36	0.12
22.00	3.00	1.96	0.95	1.110	0.95	5.30	NoLiq	6.06	11.36	0.12
22.05	3.00	1.96	0.95	1.111	0.95	5.30	NoLiq	6.06	11.36	0.12
22.10	3.00	1.96	0.95	1.113	0.95	5.29	NoLiq	6.06	11.35	0.12
22.15	3.00	1.96	0.95	1.114	0.95	5.29	NoLiq	6.06	11.35	0.12
22.20	3.00	1.96	0.95	1.115	0.95	5.29	NoLiq	6.06	11.35	0.12
22.25	3.00	1.96	0.95	1.117	0.95	5.28	NoLiq	6.06	11.34	0.12
22.30	3.00	1.96	0.95	1.118	0.95	5.28	NoLiq	6.06	11.34	0.12
22.35	3.00	1.96	0.95	1.119	0.95	5.28	NoLiq	6.06	11.33	0.12
22.40	3.00	1.96	0.95	1.121	0.94	5.28	NoLiq	6.06	11.33	0.12
22.45	3.00	1.96	0.95	1.122	0.94	5.27	NoLiq	6.05	11.33	0.12
22.50	3.00	1.96	0.95	1.123	0.94	5.27	NoLiq	6.05	11.32	0.12
22.55	3.00	1.96	0.95	1.125	0.94	5.27	NoLiq	6.05	11.32	0.12
22.60	3.00	1.96	0.95	1.126	0.94	5.26	NoLiq	6.05	11.32	0.12
22.65	3.00	1.96	0.95	1.127	0.94	5.26	NoLiq	6.05	11.31	0.12
22.70	3.00	1.96	0.95	1.129	0.94	5.26	NoLiq	6.05	11.31	0.12
22.75	3.00	1.96	0.95	1.130	0.94	5.25	NoLiq	6.05	11.30	0.12
22.80	3.00	1.96	0.95	1.131	0.94	5.25	NoLiq	6.05	11.30	0.12
22.85	3.00	1.96	0.95	1.133	0.94	5.25	NoLiq	6.05	11.30	0.12
22.90	3.00	1.96	0.95	1.134	0.94	5.24	NoLiq	6.05	11.29	0.12
22.95	3.00	1.96	0.95	1.136	0.94	5.24	NoLiq	6.05	11.29	0.12
23.00	3.00	1.96	0.95	1.137	0.94	5.24	NoLiq	6.05	11.29	0.12
23.05	3.00	1.96	0.95	1.138	0.94	5.23	NoLiq	6.05	11.28	0.12
23.10	3.00	1.96	0.95	1.140	0.94	5.23	NoLiq	6.05	11.28	0.12
23.15	3.00	1.96	0.95	1.141	0.94	5.23	NoLiq	6.05	11.27	0.12
23.20	3.00	1.96	0.95	1.142	0.94	5.23	NoLiq	6.05	11.27	0.12
23.25	3.00	1.96	0.95	1.144	0.94	5.22	NoLiq	6.04	11.27	0.12
23.30	3.00	1.96	0.95	1.145	0.93	5.22	NoLiq	6.04	11.26	0.12
23.35	3.00	1.96	0.95	1.146	0.93	5.22	NoLiq	6.04	11.26	0.12
23.40	3.00	1.96	0.95	1.148	0.93	5.21	NoLiq	6.04	11.26	0.12

23.45	3.00	1.96	0.95	1.149	0.93	5.21	NoLiq	6.04	11.25	0.12
23.50	3.00	1.96	0.95	1.150	0.93	5.21	NoLiq	6.04	11.25	0.12
23.55	3.00	1.96	0.95	1.152	0.93	5.20	NoLiq	6.04	11.25	0.12
23.60	3.00	1.96	0.95	1.153	0.93	5.20	NoLiq	6.04	11.24	0.12
23.65	3.00	1.96	0.95	1.154	0.93	5.20	NoLiq	6.04	11.24	0.12
23.70	3.00	1.96	0.95	1.156	0.93	5.20	NoLiq	6.04	11.23	0.12
23.75	3.00	1.96	0.95	1.157	0.93	5.19	NoLiq	6.04	11.23	0.12
23.80	3.00	1.96	0.95	1.158	0.93	5.19	NoLiq	6.04	11.23	0.12
23.85	3.00	1.96	0.95	1.160	0.93	5.19	NoLiq	6.04	11.22	0.12
23.90	3.00	1.96	0.95	1.161	0.93	5.18	NoLiq	6.04	11.22	0.12
23.95	3.00	1.96	0.95	1.162	0.93	5.18	NoLiq	6.04	11.22	0.12
24.00	3.00	1.96	0.95	1.164	0.93	5.18	NoLiq	6.04	11.21	0.12
24.05	3.00	1.96	0.95	1.165	0.93	5.17	NoLiq	6.03	11.21	0.12
24.10	3.00	1.96	0.95	1.166	0.93	5.17	NoLiq	6.03	11.21	0.12
24.15	3.00	1.96	0.95	1.168	0.93	5.17	NoLiq	6.03	11.20	0.12
24.20	3.00	1.96	0.95	1.169	0.92	5.17	NoLiq	6.03	11.20	0.12
24.25	3.00	1.96	0.95	1.170	0.92	5.16	NoLiq	6.03	11.20	0.12
24.30	3.00	1.96	0.95	1.172	0.92	5.16	NoLiq	6.03	11.19	0.12
24.35	3.00	1.96	0.95	1.173	0.92	5.16	NoLiq	6.03	11.19	0.12
24.40	3.00	1.96	0.95	1.174	0.92	5.15	NoLiq	6.03	11.18	0.12
24.45	3.00	1.96	0.95	1.176	0.92	5.15	NoLiq	6.03	11.18	0.12
24.50	3.00	1.96	0.95	1.177	0.92	5.15	NoLiq	6.03	11.18	0.12
24.55	3.00	1.96	0.95	1.178	0.92	5.15	NoLiq	6.03	11.17	0.12
24.60	3.00	1.96	0.95	1.180	0.92	5.14	NoLiq	6.03	11.17	0.12
24.65	3.00	1.96	0.95	1.181	0.92	5.14	NoLiq	6.03	11.17	0.12
24.70	3.00	1.96	0.95	1.182	0.92	5.14	NoLiq	6.03	11.16	0.12
24.75	3.00	1.96	0.95	1.184	0.92	5.13	NoLiq	6.03	11.16	0.12
24.80	3.00	1.96	0.95	1.185	0.92	5.13	NoLiq	6.03	11.16	0.12
24.85	3.00	1.96	0.95	1.186	0.92	5.13	NoLiq	6.03	11.15	0.12
24.90	3.00	1.96	0.95	1.188	0.92	5.12	NoLiq	6.02	11.15	0.12
24.95	3.00	1.96	0.95	1.189	0.92	5.12	NoLiq	6.02	11.15	0.12
25.00	3.00	1.96	0.95	1.190	0.92	5.12	NoLiq	6.02	11.14	0.12
25.05	3.06	1.96	0.95	1.192	0.92	5.22	NoLiq	6.04	11.26	0.12
25.10	3.12	1.96	0.95	1.193	0.92	5.32	NoLiq	6.06	11.38	0.12
25.15	3.18	1.96	0.95	1.194	0.92	5.42	NoLiq	6.08	11.50	0.12
25.20	3.24	1.96	0.95	1.196	0.91	5.52	NoLiq	6.10	11.62	0.13
25.25	3.30	1.96	0.95	1.197	0.91	5.61	NoLiq	6.12	11.74	0.13
25.30	3.36	1.96	0.95	1.198	0.91	5.71	NoLiq	6.14	11.86	0.13
25.35	3.42	1.96	0.95	1.200	0.91	5.81	NoLiq	6.16	11.98	0.13
25.40	3.48	1.96	0.95	1.201	0.91	5.91	NoLiq	6.18	12.09	0.13
25.45	3.54	1.96	0.95	1.202	0.91	6.01	NoLiq	6.20	12.21	0.13
25.50	3.60	1.96	0.95	1.204	0.91	6.11	NoLiq	6.22	12.33	0.13
25.55	3.66	1.96	0.95	1.205	0.91	6.21	NoLiq	6.24	12.45	0.13
25.60	3.72	1.96	0.95	1.206	0.91	6.31	NoLiq	6.26	12.57	0.14
25.65	3.78	1.96	0.95	1.208	0.91	6.40	NoLiq	6.28	12.68	0.14
25.70	3.84	1.96	0.95	1.209	0.91	6.50	NoLiq	6.30	12.80	0.14
25.75	3.90	1.96	0.95	1.210	0.91	6.60	NoLiq	6.32	12.92	0.14
25.80	3.96	1.96	0.95	1.212	0.91	6.70	NoLiq	6.34	13.04	0.14
25.85	4.02	1.96	0.95	1.213	0.91	6.79	NoLiq	6.36	13.15	0.14
25.90	4.08	1.96	0.95	1.214	0.91	6.89	NoLiq	6.38	13.27	0.14
25.95	4.14	1.96	0.95	1.216	0.91	6.99	NoLiq	6.40	13.39	0.14
26.00	4.20	1.96	0.95	1.217	0.91	7.09	NoLiq	6.42	13.50	0.15
26.05	4.26	1.96	0.95	1.218	0.91	7.18	NoLiq	6.44	13.62	0.15
26.10	4.32	1.96	0.95	1.220	0.91	7.28	NoLiq	6.46	13.74	0.15
26.15	4.38	1.96	0.95	1.221	0.90	7.38	NoLiq	6.48	13.85	0.15
26.20	4.44	1.96	0.95	1.222	0.90	7.48	NoLiq	6.50	13.97	0.15
26.25	4.50	1.96	0.95	1.224	0.90	7.57	NoLiq	6.51	14.09	0.15
26.30	4.56	1.96	0.95	1.225	0.90	7.67	NoLiq	6.53	14.20	0.15
26.35	4.62	1.96	0.95	1.226	0.90	7.77	NoLiq	6.55	14.32	0.15
26.40	4.68	1.96	0.95	1.228	0.90	7.86	NoLiq	6.57	14.44	0.16
26.45	4.74	1.96	0.95	1.229	0.90	7.96	NoLiq	6.59	14.55	0.16
26.50	4.80	1.96	0.95	1.230	0.90	8.06	NoLiq	6.61	14.67	0.16
26.55	4.86	1.96	0.95	1.232	0.90	8.15	NoLiq	6.63	14.78	0.16
26.60	4.92	1.96	0.95	1.233	0.90	8.25	NoLiq	6.65	14.90	0.16
26.65	4.98	1.96	0.95	1.234	0.90	8.34	NoLiq	6.67	15.01	0.16
26.70	5.04	1.96	0.95	1.236	0.90	8.44	NoLiq	6.69	15.13	0.16
26.75	5.10	1.96	0.95	1.237	0.90	8.54	NoLiq	6.71	15.24	0.16
26.80	5.16	1.96	0.95	1.238	0.90	8.63	NoLiq	6.73	15.36	0.17
26.85	5.22	1.96	0.95	1.240	0.90	8.73	NoLiq	6.75	15.47	0.17
26.90	5.28	1.96	0.95	1.241	0.90	8.82	NoLiq	6.76	15.59	0.17
26.95	5.34	1.96	0.95	1.242	0.90	8.92	NoLiq	6.78	15.70	0.17
27.00	5.40	1.96	0.95	1.244	0.90	9.01	NoLiq	6.80	15.82	0.17
27.05	5.46	1.96	0.95	1.245	0.90	9.11	NoLiq	6.82	15.93	0.17

27.10	5.52	1.96	0.95	1.246	0.90	9.20	NoLiq	6.84	16.05	0.17
27.15	5.58	1.96	0.95	1.248	0.90	9.30	NoLiq	6.86	16.16	0.17
27.20	5.64	1.96	0.95	1.249	0.89	9.39	NoLiq	6.88	16.27	0.18
27.25	5.70	1.96	0.95	1.250	0.89	9.49	NoLiq	6.90	16.39	0.18
27.30	5.76	1.96	0.95	1.252	0.89	9.58	NoLiq	6.92	16.50	0.18
27.35	5.82	1.96	0.95	1.253	0.89	9.68	NoLiq	6.94	16.62	0.18
27.40	5.88	1.96	0.95	1.254	0.89	9.77	NoLiq	6.95	16.73	0.18
27.45	5.94	1.96	0.95	1.256	0.89	9.87	NoLiq	6.97	16.84	0.18
27.50	6.00	1.96	0.95	1.257	0.89	9.96	NoLiq	6.99	16.96	0.18
27.55	6.06	1.96	0.95	1.258	0.89	10.06	NoLiq	7.01	17.07	0.18
27.60	6.12	1.96	0.95	1.259	0.89	10.15	NoLiq	7.03	17.18	0.19
27.65	6.18	1.96	0.95	1.261	0.89	10.25	NoLiq	7.05	17.29	0.19
27.70	6.24	1.96	0.95	1.262	0.89	10.34	NoLiq	7.07	17.41	0.19
27.75	6.30	1.96	0.95	1.263	0.89	10.43	NoLiq	7.09	17.52	0.19
27.80	6.36	1.96	0.95	1.265	0.89	10.53	NoLiq	7.11	17.63	0.19
27.85	6.42	1.96	0.95	1.266	0.89	10.62	NoLiq	7.12	17.75	0.19
27.90	6.48	1.96	1.00	1.267	0.89	11.28	NoLiq	7.26	18.53	0.20
27.95	6.54	1.96	1.00	1.269	0.89	11.38	NoLiq	7.28	18.65	0.20
28.00	6.60	1.96	1.00	1.270	0.89	11.48	NoLiq	7.30	18.77	0.20
28.05	6.66	1.96	1.00	1.271	0.89	11.57	NoLiq	7.31	18.89	0.20
28.10	6.72	1.96	1.00	1.273	0.89	11.67	NoLiq	7.33	19.01	0.21
28.15	6.78	1.96	1.00	1.274	0.89	11.77	NoLiq	7.35	19.12	0.21
28.20	6.84	1.96	1.00	1.275	0.89	11.87	NoLiq	7.37	19.24	0.21
28.25	6.90	1.96	1.00	1.277	0.89	11.97	NoLiq	7.39	19.36	0.21
28.30	6.96	1.96	1.00	1.278	0.88	12.06	NoLiq	7.41	19.48	0.21
28.35	7.02	1.96	1.00	1.279	0.88	12.16	NoLiq	7.43	19.59	0.21
28.40	7.08	1.96	1.00	1.281	0.88	12.26	NoLiq	7.45	19.71	0.21
28.45	7.14	1.96	1.00	1.282	0.88	12.36	NoLiq	7.47	19.83	0.21
28.50	7.20	1.96	1.00	1.283	0.88	12.45	NoLiq	7.49	19.95	0.22
28.55	7.26	1.96	1.00	1.285	0.88	12.55	NoLiq	7.51	20.06	0.22
28.60	7.32	1.96	1.00	1.286	0.88	12.65	NoLiq	7.53	20.18	0.22
28.65	7.38	1.96	1.00	1.287	0.88	12.75	NoLiq	7.55	20.30	0.22
28.70	7.44	1.96	1.00	1.289	0.88	12.84	NoLiq	7.57	20.41	0.22
28.75	7.50	1.96	1.00	1.290	0.88	12.94	NoLiq	7.59	20.53	0.22
28.80	7.56	1.96	1.00	1.291	0.88	13.04	NoLiq	7.61	20.64	0.22
28.85	7.62	1.96	1.00	1.293	0.88	13.13	NoLiq	7.63	20.76	0.23
28.90	7.68	1.96	1.00	1.294	0.88	13.23	NoLiq	7.65	20.88	0.23
28.95	7.74	1.96	1.00	1.295	0.88	13.33	NoLiq	7.67	20.99	0.23
29.00	7.80	1.96	1.00	1.297	0.88	13.42	NoLiq	7.68	21.11	0.23
29.05	7.86	1.96	1.00	1.298	0.88	13.52	NoLiq	7.70	21.22	0.23
29.10	7.92	1.96	1.00	1.299	0.88	13.62	NoLiq	7.72	21.34	0.23
29.15	7.98	1.96	1.00	1.300	0.88	13.71	NoLiq	7.74	21.45	0.23
29.20	8.04	1.96	1.00	1.302	0.88	13.81	NoLiq	7.76	21.57	0.23
29.25	8.10	1.96	1.00	1.303	0.88	13.90	NoLiq	7.78	21.69	0.24
29.30	8.16	1.96	1.00	1.304	0.88	14.00	NoLiq	7.80	21.80	0.24
29.35	8.22	1.96	1.00	1.306	0.88	14.10	NoLiq	7.82	21.92	0.24
29.40	8.28	1.96	1.00	1.307	0.87	14.19	NoLiq	7.84	22.03	0.24
29.45	8.34	1.96	1.00	1.308	0.87	14.29	NoLiq	7.86	22.15	0.24
29.50	8.40	1.96	1.00	1.310	0.87	14.38	NoLiq	7.88	22.26	0.24
29.55	8.46	1.96	1.00	1.311	0.87	14.48	NoLiq	7.90	22.37	0.24
29.60	8.52	1.96	1.00	1.312	0.87	14.57	NoLiq	7.91	22.49	0.25
29.65	8.58	1.96	1.00	1.314	0.87	14.67	NoLiq	7.93	22.60	0.25
29.70	8.64	1.96	1.00	1.315	0.87	14.76	NoLiq	7.95	22.72	0.25
29.75	8.70	1.96	1.00	1.316	0.87	14.86	NoLiq	7.97	22.83	0.25
29.80	8.76	1.96	1.00	1.318	0.87	14.95	NoLiq	7.99	22.95	0.25
29.85	8.82	1.96	1.00	1.319	0.87	15.05	NoLiq	8.01	23.06	0.25
29.90	8.88	1.96	1.00	1.320	0.87	15.14	NoLiq	8.03	23.17	0.26
29.95	8.94	1.96	1.00	1.322	0.87	15.24	NoLiq	8.05	23.29	0.26
30.00	9.00	1.96	1.00	1.323	0.87	15.33	NoLiq	8.07	23.40	0.26
30.05	9.00	1.96	1.00	1.324	0.87	15.33	NoLiq	8.07	23.39	0.26
30.10	9.00	1.96	1.00	1.325	0.87	15.32	NoLiq	8.06	23.38	0.26
30.15	9.00	1.96	1.00	1.327	0.87	15.31	NoLiq	8.06	23.37	0.26
30.20	9.00	1.96	1.00	1.328	0.87	15.30	NoLiq	8.06	23.36	0.26
30.25	9.00	1.96	1.00	1.329	0.87	15.30	NoLiq	8.06	23.36	0.26
30.30	9.00	1.96	1.00	1.331	0.87	15.29	NoLiq	8.06	23.35	0.26
30.35	9.00	1.96	1.00	1.332	0.87	15.28	NoLiq	8.06	23.34	0.26
30.40	9.00	1.96	1.00	1.333	0.87	15.27	NoLiq	8.05	23.33	0.26
30.45	9.00	1.96	1.00	1.335	0.87	15.27	NoLiq	8.05	23.32	0.26
30.50	9.00	1.96	1.00	1.336	0.87	15.26	NoLiq	8.05	23.31	0.26
30.55	9.00	1.96	1.00	1.337	0.86	15.25	NoLiq	8.05	23.30	0.26
30.60	9.00	1.96	1.00	1.339	0.86	15.24	NoLiq	8.05	23.29	0.26
30.65	9.00	1.96	1.00	1.340	0.86	15.24	NoLiq	8.05	23.28	0.26
30.70	9.00	1.96	1.00	1.341	0.86	15.23	NoLiq	8.05	23.27	0.26

30.75	9.00	1.96	1.00	1.343	0.86	15.22	NoLiq	8.04	23.26	0.26
30.80	9.00	1.96	1.00	1.344	0.86	15.21	NoLiq	8.04	23.26	0.26
30.85	9.00	1.96	1.00	1.345	0.86	15.21	NoLiq	8.04	23.25	0.26
30.90	9.00	1.96	1.00	1.347	0.86	15.20	NoLiq	8.04	23.24	0.26
30.95	9.00	1.96	1.00	1.348	0.86	15.19	NoLiq	8.04	23.23	0.26
31.00	9.00	1.96	1.00	1.349	0.86	15.18	NoLiq	8.04	23.22	0.26
31.05	9.00	1.96	1.00	1.351	0.86	15.17	NoLiq	8.03	23.21	0.26
31.10	9.00	1.96	1.00	1.352	0.86	15.17	NoLiq	8.03	23.20	0.26
31.15	9.00	1.96	1.00	1.353	0.86	15.16	NoLiq	8.03	23.19	0.26
31.20	9.00	1.96	1.00	1.355	0.86	15.15	NoLiq	8.03	23.18	0.26
31.25	9.00	1.96	1.00	1.356	0.86	15.14	NoLiq	8.03	23.17	0.26
31.30	9.00	1.96	1.00	1.357	0.86	15.14	NoLiq	8.03	23.16	0.26
31.35	9.00	1.96	1.00	1.359	0.86	15.13	NoLiq	8.03	23.16	0.26
31.40	9.00	1.96	1.00	1.360	0.86	15.12	NoLiq	8.02	23.15	0.26
31.45	9.00	1.96	1.00	1.362	0.86	15.11	NoLiq	8.02	23.14	0.26
31.50	9.00	1.96	1.00	1.363	0.86	15.11	NoLiq	8.02	23.13	0.25
31.55	9.00	1.96	1.00	1.364	0.86	15.10	NoLiq	8.02	23.12	0.25
31.60	9.00	1.96	1.00	1.366	0.86	15.09	NoLiq	8.02	23.11	0.25
31.65	9.00	1.96	1.00	1.367	0.86	15.08	NoLiq	8.02	23.10	0.25
31.70	9.00	1.96	1.00	1.368	0.85	15.08	NoLiq	8.02	23.09	0.25
31.75	9.00	1.96	1.00	1.370	0.85	15.07	NoLiq	8.01	23.08	0.25
31.80	9.00	1.96	1.00	1.371	0.85	15.06	NoLiq	8.01	23.07	0.25
31.85	9.00	1.96	1.00	1.372	0.85	15.05	NoLiq	8.01	23.07	0.25
31.90	9.00	1.96	1.00	1.374	0.85	15.05	NoLiq	8.01	23.06	0.25
31.95	9.00	1.96	1.00	1.375	0.85	15.04	NoLiq	8.01	23.05	0.25
32.00	9.00	1.96	1.00	1.377	0.85	15.03	NoLiq	8.01	23.04	0.25
32.05	9.00	1.96	1.00	1.378	0.85	15.02	NoLiq	8.00	23.03	0.25
32.10	9.00	1.96	1.00	1.379	0.85	15.02	NoLiq	8.00	23.02	0.25
32.15	9.00	1.96	1.00	1.381	0.85	15.01	NoLiq	8.00	23.01	0.25
32.20	9.00	1.96	1.00	1.382	0.85	15.00	NoLiq	8.00	23.00	0.25
32.25	9.00	1.96	1.00	1.383	0.85	14.99	NoLiq	8.00	22.99	0.25
32.30	9.00	1.96	1.00	1.385	0.85	14.99	NoLiq	8.00	22.98	0.25
32.35	9.00	1.96	1.00	1.386	0.85	14.98	NoLiq	8.00	22.98	0.25
32.40	9.00	1.96	1.00	1.388	0.85	14.97	NoLiq	7.99	22.97	0.25
32.45	9.00	1.96	1.00	1.389	0.85	14.96	NoLiq	7.99	22.96	0.25
32.50	9.00	1.96	1.00	1.390	0.85	14.96	NoLiq	7.99	22.95	0.25
32.55	9.00	1.96	1.00	1.392	0.85	14.95	NoLiq	7.99	22.94	0.25
32.60	9.00	1.96	1.00	1.393	0.85	14.94	NoLiq	7.99	22.93	0.25
32.65	9.00	1.96	1.00	1.394	0.85	14.94	NoLiq	7.99	22.92	0.25
32.70	9.00	1.96	1.00	1.396	0.85	14.93	NoLiq	7.99	22.91	0.25
32.75	9.00	1.96	1.00	1.397	0.85	14.92	NoLiq	7.98	22.90	0.25
32.80	9.00	1.96	1.00	1.399	0.85	14.91	NoLiq	7.98	22.90	0.25
32.85	9.00	1.96	1.00	1.400	0.85	14.91	NoLiq	7.98	22.89	0.25
32.90	9.00	1.96	1.00	1.401	0.84	14.90	NoLiq	7.98	22.88	0.25
32.95	9.00	1.96	1.00	1.403	0.84	14.89	NoLiq	7.98	22.87	0.25
33.00	9.00	1.96	1.00	1.404	0.84	14.88	NoLiq	7.98	22.86	0.25
33.05	9.00	1.96	1.00	1.406	0.84	14.88	NoLiq	7.98	22.85	0.25
33.10	9.00	1.96	1.00	1.407	0.84	14.87	NoLiq	7.97	22.84	0.25
33.15	9.00	1.96	1.00	1.408	0.84	14.86	NoLiq	7.97	22.83	0.25
33.20	9.00	1.96	1.00	1.410	0.84	14.85	NoLiq	7.97	22.82	0.25
33.25	9.00	1.96	1.00	1.411	0.84	14.85	NoLiq	7.97	22.82	0.25
33.30	9.00	1.96	1.00	1.413	0.84	14.84	NoLiq	7.97	22.81	0.25
33.35	9.00	1.96	1.00	1.414	0.84	14.83	NoLiq	7.97	22.80	0.25
33.40	9.00	1.96	1.00	1.415	0.84	14.82	NoLiq	7.96	22.79	0.25
33.45	9.00	1.96	1.00	1.417	0.84	14.82	NoLiq	7.96	22.78	0.25
33.50	9.00	1.96	1.00	1.418	0.84	14.81	NoLiq	7.96	22.77	0.25
33.55	9.00	1.96	1.00	1.420	0.84	14.80	NoLiq	7.96	22.76	0.25
33.60	9.00	1.96	1.00	1.421	0.84	14.79	NoLiq	7.96	22.75	0.25
33.65	9.00	1.96	1.00	1.423	0.84	14.79	NoLiq	7.96	22.74	0.25
33.70	9.00	1.96	1.00	1.424	0.84	14.78	NoLiq	7.96	22.74	0.25
33.75	9.00	1.96	1.00	1.425	0.84	14.77	NoLiq	7.95	22.73	0.25
33.80	9.00	1.96	1.00	1.427	0.84	14.76	NoLiq	7.95	22.72	0.25
33.85	9.00	1.96	1.00	1.428	0.84	14.76	NoLiq	7.95	22.71	0.25
33.90	9.00	1.96	1.00	1.430	0.84	14.75	NoLiq	7.95	22.70	0.25
33.95	9.00	1.96	1.00	1.431	0.84	14.74	NoLiq	7.95	22.69	0.25
34.00	9.00	1.96	1.00	1.432	0.84	14.74	NoLiq	7.95	22.68	0.25
34.05	9.00	1.96	1.00	1.434	0.84	14.73	NoLiq	7.95	22.67	0.25
34.10	9.00	1.96	1.00	1.435	0.83	14.72	NoLiq	7.94	22.67	0.25
34.15	9.00	1.96	1.00	1.437	0.83	14.71	NoLiq	7.94	22.66	0.25
34.20	9.00	1.96	1.00	1.438	0.83	14.71	NoLiq	7.94	22.65	0.25
34.25	9.00	1.96	1.00	1.440	0.83	14.70	NoLiq	7.94	22.64	0.25
34.30	9.00	1.96	1.00	1.441	0.83	14.69	NoLiq	7.94	22.63	0.25
34.35	9.00	1.96	1.00	1.443	0.83	14.68	NoLiq	7.94	22.62	0.25

34.40	9.00	1.96	1.00	1.444	0.83	14.68	NoLiq	7.94	22.61	0.25
34.45	9.00	1.96	1.00	1.445	0.83	14.67	NoLiq	7.93	22.60	0.25
34.50	9.00	1.96	1.00	1.447	0.83	14.66	NoLiq	7.93	22.59	0.25
34.55	9.00	1.96	1.00	1.448	0.83	14.65	NoLiq	7.93	22.59	0.25
34.60	9.00	1.96	1.00	1.450	0.83	14.65	NoLiq	7.93	22.58	0.25
34.65	9.00	1.96	1.00	1.451	0.83	14.64	NoLiq	7.93	22.57	0.25
34.70	9.00	1.96	1.00	1.453	0.83	14.63	NoLiq	7.93	22.56	0.25
34.75	9.00	1.96	1.00	1.454	0.83	14.63	NoLiq	7.93	22.55	0.25
34.80	9.00	1.96	1.00	1.456	0.83	14.62	NoLiq	7.92	22.54	0.25
34.85	9.00	1.96	1.00	1.457	0.83	14.61	NoLiq	7.92	22.53	0.25
34.90	9.00	1.96	1.00	1.458	0.83	14.60	NoLiq	7.92	22.52	0.25
34.95	9.00	1.96	1.00	1.460	0.83	14.60	NoLiq	7.92	22.52	0.25
35.00	9.00	1.96	1.00	1.461	0.83	14.59	NoLiq	7.92	22.51	0.25
35.05	9.04	1.96	1.00	1.463	0.83	14.65	NoLiq	7.93	22.58	0.25
35.10	9.08	1.96	1.00	1.464	0.83	14.70	NoLiq	7.94	22.64	0.25
35.15	9.12	1.96	1.00	1.466	0.83	14.76	NoLiq	7.95	22.71	0.25
35.20	9.16	1.96	1.00	1.467	0.83	14.82	NoLiq	7.96	22.78	0.25
35.25	9.20	1.96	1.00	1.469	0.83	14.88	NoLiq	7.98	22.85	0.25
35.30	9.24	1.96	1.00	1.470	0.82	14.93	NoLiq	7.99	22.92	0.25
35.35	9.28	1.96	1.00	1.472	0.82	14.99	NoLiq	8.00	22.99	0.25
35.40	9.32	1.96	1.00	1.473	0.82	15.05	NoLiq	8.01	23.06	0.25
35.45	9.36	1.96	1.00	1.474	0.82	15.10	NoLiq	8.02	23.13	0.25
35.50	9.40	1.96	1.00	1.476	0.82	15.16	NoLiq	8.03	23.19	0.26
35.55	9.44	1.96	1.00	1.477	0.82	15.22	NoLiq	8.04	23.26	0.26
35.60	9.48	1.96	1.00	1.479	0.82	15.28	NoLiq	8.06	23.33	0.26
35.65	9.52	1.96	1.00	1.480	0.82	15.33	NoLiq	8.07	23.40	0.26
35.70	9.56	1.96	1.00	1.482	0.82	15.39	NoLiq	8.08	23.47	0.26
35.75	9.60	1.96	1.00	1.483	0.82	15.45	NoLiq	8.09	23.54	0.26
35.80	9.64	1.96	1.00	1.485	0.82	15.50	NoLiq	8.10	23.60	0.26
35.85	9.68	1.96	1.00	1.486	0.82	15.56	NoLiq	8.11	23.67	0.26
35.90	9.72	1.96	1.00	1.488	0.82	15.62	NoLiq	8.12	23.74	0.26
35.95	9.76	1.96	1.00	1.489	0.82	15.67	NoLiq	8.13	23.81	0.26
36.00	9.80	1.96	1.00	1.491	0.82	15.73	NoLiq	8.15	23.87	0.27
36.05	9.84	1.96	1.00	1.492	0.82	15.79	NoLiq	8.16	23.94	0.27
36.10	9.88	1.96	1.00	1.494	0.82	15.84	NoLiq	8.17	24.01	0.27
36.15	9.92	1.96	1.00	1.495	0.82	15.90	NoLiq	8.18	24.08	0.27
36.20	9.96	1.96	1.00	1.496	0.82	15.95	NoLiq	8.19	24.15	0.27
36.25	10.00	1.96	1.00	1.498	0.82	16.01	NoLiq	8.20	24.21	0.27
36.30	10.04	1.96	1.00	1.499	0.82	16.07	NoLiq	8.21	24.28	0.27
36.35	10.08	1.96	1.00	1.501	0.82	16.12	NoLiq	8.22	24.35	0.27
36.40	10.12	1.96	1.00	1.502	0.82	16.18	NoLiq	8.24	24.41	0.27
36.45	10.16	1.96	1.00	1.504	0.82	16.24	NoLiq	8.25	24.48	0.27
36.50	10.20	1.96	1.00	1.505	0.82	16.29	NoLiq	8.26	24.55	0.28
36.55	10.24	1.96	1.00	1.507	0.81	16.35	NoLiq	8.27	24.62	0.28
36.60	10.28	1.96	1.00	1.508	0.81	16.40	NoLiq	8.28	24.68	0.28
36.65	10.32	1.96	1.00	1.510	0.81	16.46	NoLiq	8.29	24.75	0.28
36.70	10.36	1.96	1.00	1.511	0.81	16.51	NoLiq	8.30	24.82	0.28
36.75	10.40	1.96	1.00	1.513	0.81	16.57	NoLiq	8.31	24.88	0.28
36.80	10.44	1.96	1.00	1.514	0.81	16.63	NoLiq	8.33	24.95	0.28
36.85	10.48	1.96	1.00	1.516	0.81	16.68	NoLiq	8.34	25.02	0.28
36.90	10.52	1.96	1.00	1.517	0.81	16.74	NoLiq	8.35	25.08	0.28
36.95	10.56	1.96	1.00	1.519	0.81	16.79	NoLiq	8.36	25.15	0.29
37.00	10.60	1.96	1.00	1.520	0.81	16.85	NoLiq	8.37	25.22	0.29
37.05	10.64	1.96	1.00	1.522	0.81	16.90	NoLiq	8.38	25.28	0.29
37.10	10.68	1.96	1.00	1.523	0.81	16.96	NoLiq	8.39	25.35	0.29
37.15	10.72	1.96	1.00	1.524	0.81	17.01	NoLiq	8.40	25.42	0.29
37.20	10.76	1.96	1.00	1.526	0.81	17.07	NoLiq	8.41	25.48	0.29
37.25	10.80	1.96	1.00	1.527	0.81	17.12	NoLiq	8.42	25.55	0.29
37.30	10.84	1.96	1.00	1.529	0.81	17.18	NoLiq	8.44	25.61	0.29
37.35	10.88	1.96	1.00	1.530	0.81	17.23	NoLiq	8.45	25.68	0.29
37.40	10.92	1.96	1.00	1.532	0.81	17.29	NoLiq	8.46	25.75	0.30
37.45	10.96	1.96	1.00	1.533	0.81	17.34	NoLiq	8.47	25.81	0.30
37.50	11.00	1.96	1.00	1.535	0.81	17.40	NoLiq	8.48	25.88	0.30
37.55	11.04	1.96	1.00	1.536	0.81	17.45	NoLiq	8.49	25.94	0.30
37.60	11.08	1.96	1.00	1.538	0.81	17.51	NoLiq	8.50	26.01	0.30
37.65	11.12	1.96	1.00	1.539	0.81	17.56	NoLiq	8.51	26.08	0.30
37.70	11.16	1.96	1.00	1.541	0.81	17.62	NoLiq	8.52	26.14	0.30
37.75	11.20	1.96	1.00	1.542	0.81	17.67	NoLiq	8.53	26.21	0.30
37.80	11.24	1.96	1.00	1.544	0.80	17.73	NoLiq	8.55	26.27	0.30
37.85	11.28	1.96	1.00	1.545	0.80	17.78	NoLiq	8.56	26.34	0.31
37.90	11.32	1.96	1.00	1.547	0.80	17.84	NoLiq	8.57	26.40	0.31
37.95	11.36	1.96	1.00	1.548	0.80	17.89	NoLiq	8.58	26.47	0.31
38.00	11.40	1.96	1.00	1.550	0.80	17.94	NoLiq	8.59	26.53	0.31

38.05	11.44	1.96	1.00	1.551	0.80	18.00	NoLiq	8.60	26.60	0.31
38.10	11.48	1.96	1.00	1.553	0.80	18.05	NoLiq	8.61	26.66	0.31
38.15	11.52	1.96	1.00	1.554	0.80	18.11	NoLiq	8.62	26.73	0.31
38.20	11.56	1.96	1.00	1.556	0.80	18.16	NoLiq	8.63	26.79	0.32
38.25	11.60	1.96	1.00	1.557	0.80	18.22	NoLiq	8.64	26.86	0.32
38.30	11.64	1.96	1.00	1.559	0.80	18.27	NoLiq	8.65	26.92	0.32
38.35	11.68	1.96	1.00	1.560	0.80	18.32	NoLiq	8.66	26.99	0.32
38.40	11.72	1.96	1.00	1.562	0.80	18.38	NoLiq	8.68	27.05	0.32
38.45	11.76	1.96	1.00	1.563	0.80	18.43	NoLiq	8.69	27.12	0.32
38.50	11.80	1.96	1.00	1.565	0.80	18.49	NoLiq	8.70	27.18	0.32
38.55	11.84	1.96	1.00	1.566	0.80	18.54	NoLiq	8.71	27.25	0.32
38.60	11.88	1.96	1.00	1.568	0.80	18.59	NoLiq	8.72	27.31	0.33
38.65	11.92	1.96	1.00	1.569	0.80	18.65	NoLiq	8.73	27.38	0.33
38.70	11.96	1.96	1.00	1.571	0.80	18.70	NoLiq	8.74	27.44	0.33
38.75	12.00	1.96	1.00	1.572	0.80	18.75	NoLiq	8.75	27.51	0.33
38.80	12.04	1.96	1.00	1.574	0.80	18.81	NoLiq	8.76	27.57	0.33
38.85	12.08	1.96	1.00	1.575	0.80	18.86	NoLiq	8.77	27.63	0.33
38.90	12.12	1.96	1.00	1.577	0.80	18.92	NoLiq	8.78	27.70	0.34
38.95	12.16	1.96	1.00	1.578	0.80	18.97	NoLiq	8.79	27.76	0.34
39.00	12.20	1.96	1.00	1.580	0.80	19.02	NoLiq	8.80	27.83	0.34
39.05	12.24	1.96	1.00	1.581	0.80	19.08	NoLiq	8.82	27.89	0.34
39.10	12.28	1.96	1.00	1.583	0.79	19.13	NoLiq	8.83	27.95	0.34
39.15	12.32	1.96	1.00	1.584	0.79	19.18	NoLiq	8.84	28.02	0.34
39.20	12.36	1.96	1.00	1.586	0.79	19.23	NoLiq	8.85	28.08	0.35
39.25	12.40	1.96	1.00	1.587	0.79	19.29	NoLiq	8.86	28.15	0.35
39.30	12.44	1.96	1.00	1.589	0.79	19.34	NoLiq	8.87	28.21	0.35
39.35	12.48	1.96	1.00	1.590	0.79	19.39	NoLiq	8.88	28.27	0.35
39.40	12.52	1.96	1.00	1.592	0.79	19.45	NoLiq	8.89	28.34	0.35
39.45	12.56	1.96	1.00	1.593	0.79	19.50	NoLiq	8.90	28.40	0.35
39.50	12.60	1.96	1.00	1.595	0.79	19.55	NoLiq	8.91	28.46	0.36
39.55	12.64	1.96	1.00	1.596	0.79	19.61	NoLiq	8.92	28.53	0.36
39.60	12.68	1.96	1.00	1.598	0.79	19.66	NoLiq	8.93	28.59	0.36
39.65	12.72	1.96	1.00	1.599	0.79	19.71	NoLiq	8.94	28.65	0.36
39.70	12.76	1.96	1.00	1.601	0.79	19.76	NoLiq	8.95	28.72	0.36
39.75	12.80	1.96	1.00	1.602	0.79	19.82	NoLiq	8.96	28.78	0.37
39.80	12.84	1.96	1.00	1.604	0.79	19.87	NoLiq	8.97	28.84	0.37
39.85	12.88	1.96	1.00	1.605	0.79	19.92	NoLiq	8.98	28.91	0.37
39.90	12.92	1.96	1.00	1.607	0.79	19.97	NoLiq	8.99	28.97	0.37
39.95	12.96	1.96	1.00	1.608	0.79	20.03	NoLiq	9.01	29.03	0.38
40.00	13.00	1.96	1.00	1.610	0.79	20.08	NoLiq	9.02	29.10	0.38
40.05	13.00	1.96	1.00	1.611	0.79	20.07	NoLiq	9.01	29.08	0.38
40.10	13.00	1.96	1.00	1.613	0.79	20.06	99.10	9.01	29.07	0.38
40.15	13.00	1.96	1.00	1.614	0.79	20.05	98.15	9.01	29.06	0.38
40.20	13.00	1.96	1.00	1.616	0.79	20.04	97.20	9.01	29.05	0.38
40.25	13.00	1.96	1.00	1.617	0.79	20.03	96.25	9.01	29.04	0.38
40.30	13.00	1.96	1.00	1.619	0.79	20.02	95.29	9.00	29.03	0.38
40.35	13.00	1.96	1.00	1.620	0.79	20.01	94.34	9.00	29.02	0.38
40.40	13.00	1.96	1.00	1.622	0.79	20.00	93.39	9.00	29.01	0.38
40.45	13.00	1.96	1.00	1.623	0.78	20.00	92.44	9.00	28.99	0.37
40.50	13.00	1.96	1.00	1.625	0.78	19.99	91.49	9.00	28.98	0.37
40.55	13.00	1.96	1.00	1.626	0.78	19.98	90.53	9.00	28.97	0.37
40.60	13.00	1.96	1.00	1.628	0.78	19.97	89.58	8.99	28.96	0.37
40.65	13.00	1.96	1.00	1.629	0.78	19.96	88.63	8.99	28.95	0.37
40.70	13.00	1.96	1.00	1.631	0.78	19.95	87.68	8.99	28.94	0.37
40.75	13.00	1.96	1.00	1.632	0.78	19.94	86.73	8.99	28.93	0.37
40.80	13.00	1.96	1.00	1.634	0.78	19.93	85.77	8.99	28.92	0.37
40.85	13.00	1.96	1.00	1.635	0.78	19.92	84.82	8.98	28.90	0.37
40.90	13.00	1.96	1.00	1.637	0.78	19.91	83.87	8.98	28.89	0.37
40.95	13.00	1.96	1.00	1.638	0.78	19.90	82.92	8.98	28.88	0.37
41.00	13.00	1.96	1.00	1.640	0.78	19.89	81.97	8.98	28.87	0.37
41.05	13.00	1.96	1.00	1.642	0.78	19.88	81.01	8.98	28.86	0.37
41.10	13.00	1.96	1.00	1.643	0.78	19.87	80.06	8.97	28.85	0.37
41.15	13.00	1.96	1.00	1.645	0.78	19.86	79.11	8.97	28.84	0.37
41.20	13.00	1.96	1.00	1.646	0.78	19.86	78.16	8.97	28.83	0.37
41.25	13.00	1.96	1.00	1.648	0.78	19.85	77.21	8.97	28.81	0.37
41.30	13.00	1.96	1.00	1.649	0.78	19.84	76.25	8.97	28.80	0.37
41.35	13.00	1.96	1.00	1.651	0.78	19.83	75.30	8.97	28.79	0.37
41.40	13.00	1.96	1.00	1.652	0.78	19.82	74.35	8.96	28.78	0.37
41.45	13.00	1.96	1.00	1.654	0.78	19.81	73.40	8.96	28.77	0.37
41.50	13.00	1.96	1.00	1.655	0.78	19.80	72.45	8.96	28.76	0.37
41.55	13.00	1.96	1.00	1.657	0.78	19.79	71.49	8.96	28.75	0.37
41.60	13.00	1.96	1.00	1.659	0.78	19.78	70.54	8.96	28.74	0.37
41.65	13.00	1.96	1.00	1.660	0.78	19.77	69.59	8.95	28.73	0.36

41.70	13.00	1.96	1.00	1.662	0.78	19.76	68.64	8.95	28.71	0.36
41.75	13.00	1.96	1.00	1.663	0.78	19.75	67.69	8.95	28.70	0.36
41.80	13.00	1.96	1.00	1.665	0.78	19.74	66.74	8.95	28.69	0.36
41.85	13.00	1.96	1.00	1.666	0.77	19.73	65.78	8.95	28.68	0.36
41.90	13.00	1.96	1.00	1.668	0.77	19.73	64.83	8.95	28.67	0.36
41.95	13.00	1.96	1.00	1.670	0.77	19.72	63.88	8.94	28.66	0.36
42.00	13.00	1.96	1.00	1.671	0.77	19.71	62.93	8.94	28.65	0.36
42.05	13.00	1.96	1.00	1.673	0.77	19.70	61.98	8.94	28.64	0.36
42.10	13.00	1.96	1.00	1.674	0.77	19.69	61.02	8.94	28.63	0.36
42.15	13.00	1.96	1.00	1.676	0.77	19.68	60.07	8.94	28.61	0.36
42.20	13.00	1.96	1.00	1.677	0.77	19.67	59.12	8.93	28.60	0.36
42.25	13.00	1.96	1.00	1.679	0.77	19.66	58.17	8.93	28.59	0.36
42.30	13.00	1.96	1.00	1.681	0.77	19.65	57.22	8.93	28.58	0.36
42.35	13.00	1.96	1.00	1.682	0.77	19.64	56.26	8.93	28.57	0.36
42.40	13.00	1.96	1.00	1.684	0.77	19.63	55.31	8.93	28.56	0.36
42.45	13.00	1.96	1.00	1.685	0.77	19.62	54.36	8.92	28.55	0.36
42.50	13.00	1.96	1.00	1.687	0.77	19.61	53.41	8.92	28.54	0.36
42.55	13.00	1.96	1.00	1.688	0.77	19.61	52.46	8.92	28.53	0.36
42.60	13.00	1.96	1.00	1.690	0.77	19.60	51.50	8.92	28.52	0.36
42.65	13.00	1.96	1.00	1.692	0.77	19.59	50.55	8.92	28.50	0.36
42.70	13.00	1.96	1.00	1.693	0.77	19.58	49.60	8.92	28.49	0.36
42.75	13.00	1.96	1.00	1.695	0.77	19.57	48.65	8.91	28.48	0.36
42.80	13.00	1.96	1.00	1.696	0.77	19.56	47.70	8.91	28.47	0.36
42.85	13.00	1.96	1.00	1.698	0.77	19.55	46.74	8.91	28.46	0.36
42.90	13.00	1.96	1.00	1.700	0.77	19.54	45.79	8.91	28.45	0.36
42.95	13.00	1.96	1.00	1.701	0.77	19.53	44.84	8.91	28.44	0.36
43.00	13.00	1.96	1.00	1.703	0.77	19.52	43.89	8.90	28.43	0.36
43.05	13.00	1.96	1.00	1.704	0.77	19.51	42.94	8.90	28.42	0.35
43.10	13.00	1.96	1.00	1.706	0.77	19.50	41.98	8.90	28.40	0.35
43.15	13.00	1.96	1.00	1.708	0.77	19.49	41.03	8.90	28.39	0.35
43.20	13.00	1.96	1.00	1.709	0.76	19.49	40.08	8.90	28.38	0.35
43.25	13.00	1.96	1.00	1.711	0.76	19.48	39.13	8.90	28.37	0.35
43.30	13.00	1.96	1.00	1.712	0.76	19.47	38.18	8.89	28.36	0.35
43.35	13.00	1.96	1.00	1.714	0.76	19.46	37.22	8.89	28.35	0.35
43.40	13.00	1.96	1.00	1.716	0.76	19.45	36.27	8.89	28.34	0.35
43.45	13.00	1.96	1.00	1.717	0.76	19.44	35.32	8.89	28.33	0.35
43.50	13.00	1.96	1.00	1.719	0.76	19.43	34.37	8.67	28.10	0.35
43.55	13.00	1.96	1.00	1.720	0.76	19.42	33.42	8.46	27.88	0.34
43.60	13.00	1.96	1.00	1.722	0.76	19.41	32.46	8.25	27.66	0.33
43.65	13.00	1.96	1.00	1.724	0.76	19.40	31.51	8.04	27.44	0.33
43.70	13.00	1.96	1.00	1.725	0.76	19.39	30.56	7.82	27.22	0.32
43.75	13.00	1.96	1.00	1.727	0.76	19.39	29.61	7.61	26.99	0.32
43.80	13.00	1.96	1.00	1.729	0.76	19.38	28.66	7.39	26.77	0.31
43.85	13.00	1.96	1.00	1.730	0.76	19.37	27.70	7.17	26.54	0.31
43.90	13.00	1.96	1.00	1.732	0.76	19.36	26.75	6.94	26.30	0.31
43.95	13.00	1.96	1.00	1.733	0.76	19.35	25.80	6.71	26.06	0.30
44.00	13.00	1.96	1.00	1.735	0.76	19.34	24.85	6.47	25.81	0.30
44.05	13.00	1.96	1.00	1.737	0.76	19.33	23.90	6.23	25.56	0.29
44.10	13.00	1.96	1.00	1.738	0.76	19.32	22.94	5.98	25.30	0.29
44.15	13.00	1.96	1.00	1.740	0.76	19.31	21.99	5.72	25.04	0.28
44.20	13.00	1.96	1.00	1.742	0.76	19.30	21.04	5.45	24.76	0.28
44.25	13.00	1.96	1.00	1.743	0.76	19.29	20.09	5.17	24.47	0.27
44.30	13.00	1.96	1.00	1.745	0.76	19.29	19.14	4.88	24.17	0.27
44.35	13.00	1.96	1.00	1.747	0.76	19.28	18.18	4.57	23.85	0.27
44.40	13.00	1.96	1.00	1.748	0.76	19.27	17.23	4.25	23.52	0.26
44.45	13.00	1.96	1.00	1.750	0.76	19.26	16.28	3.91	23.17	0.26
44.50	13.00	1.96	1.00	1.751	0.76	19.25	15.33	3.55	22.80	0.25
44.55	13.00	1.96	1.00	1.753	0.76	19.24	14.38	3.17	22.41	0.25
44.60	13.00	1.96	1.00	1.755	0.75	19.23	13.42	2.78	22.01	0.24
44.65	13.00	1.96	1.00	1.756	0.75	19.22	12.47	2.37	21.59	0.23
44.70	13.00	1.96	1.00	1.758	0.75	19.21	11.52	1.95	21.16	0.23
44.75	13.00	1.96	1.00	1.760	0.75	19.20	10.57	1.53	20.73	0.22
44.80	13.00	1.96	1.00	1.761	0.75	19.19	9.62	1.13	20.32	0.22
44.85	13.00	1.96	1.00	1.763	0.75	19.19	8.66	0.76	19.95	0.22
44.90	13.00	1.96	1.00	1.765	0.75	19.18	7.71	0.46	19.63	0.21
44.95	13.00	1.96	1.00	1.766	0.75	19.17	6.76	0.24	19.40	0.21
45.00	13.00	1.96	1.00	1.768	0.75	19.16	5.81	0.10	19.26	0.21
45.05	13.39	1.96	1.00	1.770	0.75	19.72	5.80	0.10	19.82	0.21
45.10	13.78	1.96	1.00	1.771	0.75	20.28	5.80	0.10	20.39	0.22
45.15	14.17	1.96	1.00	1.773	0.75	20.85	5.80	0.10	20.95	0.23
45.20	14.56	1.96	1.00	1.775	0.75	21.41	5.80	0.11	21.52	0.23
45.25	14.95	1.96	1.00	1.776	0.75	21.98	5.80	0.11	22.08	0.24
45.30	15.34	1.96	1.00	1.778	0.75	22.54	5.80	0.11	22.65	0.25

45.35	15.73	1.96	1.00	1.780	0.75	23.10	5.80	0.11	23.21	0.26
45.40	16.12	1.96	1.00	1.781	0.75	23.66	5.80	0.11	23.78	0.26
45.45	16.51	1.96	1.00	1.783	0.75	24.22	5.80	0.12	24.34	0.27
45.50	16.90	1.96	1.00	1.785	0.75	24.79	5.80	0.12	24.90	0.28
45.55	17.29	1.96	1.00	1.786	0.75	25.35	5.80	0.12	25.47	0.29
45.60	17.68	1.96	1.00	1.788	0.75	25.91	5.80	0.12	26.03	0.30
45.65	18.07	1.96	1.00	1.790	0.75	26.46	5.80	0.13	26.59	0.31
45.70	18.46	1.96	1.00	1.791	0.75	27.02	5.80	0.13	27.15	0.32
45.75	18.85	1.96	1.00	1.793	0.75	27.58	5.80	0.13	27.71	0.34
45.80	19.24	1.96	1.00	1.795	0.75	28.14	5.80	0.13	28.27	0.35
45.85	19.63	1.96	1.00	1.796	0.75	28.70	5.80	0.13	28.83	0.37
45.90	20.02	1.96	1.00	1.798	0.75	29.25	5.80	0.14	29.39	0.39
45.95	20.41	1.96	1.00	1.800	0.75	29.81	5.80	0.14	29.95	0.45
46.00	20.80	1.96	1.00	1.801	0.75	30.36	5.80	0.14	30.51	0.50
46.05	21.19	1.96	1.00	1.803	0.74	30.92	5.80	0.14	31.06	0.50
46.10	21.58	1.96	1.00	1.805	0.74	31.47	5.80	0.15	31.62	0.50
46.15	21.97	1.96	1.00	1.806	0.74	32.03	5.80	0.15	32.18	0.50
46.20	22.36	1.96	1.00	1.808	0.74	32.58	5.80	0.15	32.73	0.50
46.25	22.75	1.96	1.00	1.810	0.74	33.14	5.80	0.15	33.29	0.50
46.30	23.14	1.96	1.00	1.811	0.74	33.69	5.80	0.15	33.84	0.50
46.35	23.53	1.96	1.00	1.813	0.74	34.24	5.80	0.16	34.40	0.50
46.40	23.92	1.96	1.00	1.815	0.74	34.79	5.80	0.16	34.95	0.50
46.45	24.31	1.96	1.00	1.816	0.74	35.34	5.80	0.16	35.50	0.50
46.50	24.70	1.96	1.00	1.818	0.74	35.89	5.80	0.16	36.06	0.50
46.55	25.09	1.96	1.00	1.820	0.74	36.44	5.80	0.17	36.61	0.50
46.60	25.48	1.96	1.00	1.821	0.74	36.99	5.80	0.17	37.16	0.50
46.65	25.87	1.96	1.00	1.823	0.74	37.54	5.80	0.17	37.71	0.50
46.70	26.26	1.96	1.00	1.825	0.74	38.09	5.80	0.17	38.26	0.50
46.75	26.65	1.96	1.00	1.826	0.74	38.64	5.80	0.17	38.81	0.50
46.80	27.04	1.96	1.00	1.828	0.74	39.19	5.80	0.18	39.36	0.50
46.85	27.43	1.96	1.00	1.830	0.74	39.73	5.80	0.18	39.91	0.50
46.90	27.82	1.96	1.00	1.831	0.74	40.28	5.80	0.18	40.46	0.50
46.95	28.21	1.96	1.00	1.833	0.74	40.83	5.80	0.18	41.01	0.50
47.00	28.60	1.96	1.00	1.835	0.74	41.37	5.80	0.18	41.56	0.50
47.05	28.99	1.96	1.00	1.836	0.74	41.92	5.80	0.19	42.10	0.50
47.10	29.38	1.96	1.00	1.838	0.74	42.46	5.80	0.19	42.65	0.50
47.15	29.77	1.96	1.00	1.840	0.74	43.01	5.80	0.19	43.20	0.50
47.20	30.16	1.96	1.00	1.841	0.74	43.55	5.80	0.19	43.74	0.50
47.25	30.55	1.96	1.00	1.843	0.74	44.09	5.80	0.20	44.29	0.50
47.30	30.94	1.96	1.00	1.845	0.74	44.64	5.80	0.20	44.83	0.50
47.35	31.33	1.96	1.00	1.846	0.74	45.18	5.80	0.20	45.38	0.50
47.40	31.72	1.96	1.00	1.848	0.74	45.72	5.80	0.20	45.92	0.50
47.45	32.11	1.96	1.00	1.850	0.74	46.26	5.80	0.20	46.47	0.50
47.50	32.50	1.96	1.00	1.851	0.73	46.80	5.80	0.21	47.01	0.50
47.55	32.89	1.96	1.00	1.853	0.73	47.34	5.80	0.21	47.55	0.50
47.60	33.28	1.96	1.00	1.855	0.73	47.88	5.80	0.21	48.09	0.50
47.65	33.67	1.96	1.00	1.856	0.73	48.42	5.80	0.21	48.64	0.50
47.70	34.06	1.96	1.00	1.858	0.73	48.96	5.80	0.21	49.18	0.50
47.75	34.45	1.96	1.00	1.860	0.73	49.50	5.80	0.22	49.72	0.50
47.80	34.84	1.96	1.00	1.861	0.73	50.04	5.80	0.22	50.26	0.50
47.85	35.23	1.96	1.00	1.863	0.73	50.58	5.80	0.22	50.80	0.50
47.90	35.62	1.96	1.00	1.865	0.73	51.11	5.80	0.22	51.34	0.50
47.95	36.01	1.96	1.00	1.866	0.73	51.65	5.80	0.23	51.88	0.50
48.00	36.40	1.96	1.00	1.868	0.73	52.19	5.80	0.23	52.41	0.50
48.05	36.79	1.96	1.00	1.869	0.73	52.72	5.80	0.23	52.95	0.50
48.10	37.18	1.96	1.00	1.871	0.73	53.26	5.80	0.23	53.49	0.50
48.15	37.57	1.96	1.00	1.873	0.73	53.79	5.80	0.23	54.03	0.50
48.20	37.96	1.96	1.00	1.874	0.73	54.33	5.80	0.24	54.56	0.50
48.25	38.35	1.96	1.00	1.876	0.73	54.86	5.80	0.24	55.10	0.50
48.30	38.74	1.96	1.00	1.878	0.73	55.39	5.80	0.24	55.63	0.50
48.35	39.13	1.96	1.00	1.879	0.73	55.93	5.80	0.24	56.17	0.50
48.40	39.52	1.96	1.00	1.881	0.73	56.46	5.80	0.24	56.70	0.50
48.45	39.91	1.96	1.00	1.883	0.73	56.99	5.80	0.25	57.24	0.50
48.50	40.30	1.96	1.00	1.884	0.73	57.52	5.80	0.25	57.77	0.50
48.55	40.69	1.96	1.00	1.886	0.73	58.05	5.80	0.25	58.30	0.50
48.60	41.08	1.96	1.00	1.888	0.73	58.58	5.80	0.25	58.84	0.50
48.65	41.47	1.96	1.00	1.889	0.73	59.11	5.80	0.26	59.37	0.50
48.70	41.86	1.96	1.00	1.891	0.73	59.64	5.80	0.26	59.90	0.50
48.75	42.25	1.96	1.00	1.893	0.73	60.17	5.80	0.26	60.43	0.50
48.80	42.64	1.96	1.00	1.894	0.73	60.70	5.80	0.26	60.96	0.50
48.85	43.03	1.96	1.00	1.896	0.73	61.23	5.80	0.26	61.49	0.50
48.90	43.42	1.96	1.00	1.898	0.73	61.76	5.80	0.27	62.02	0.50
48.95	43.81	1.96	1.00	1.899	0.73	62.29	5.80	0.27	62.55	0.50

49.00	44.20	1.96	1.00	1.901	0.73	62.81	5.80	0.27	63.08	0.50
49.05	44.59	1.96	1.00	1.903	0.72	63.34	5.80	0.27	63.61	0.50
49.10	44.98	1.96	1.00	1.904	0.72	63.87	5.80	0.27	64.14	0.50
49.15	45.37	1.96	1.00	1.906	0.72	64.39	5.80	0.28	64.67	0.50
49.20	45.76	1.96	1.00	1.908	0.72	64.92	5.80	0.28	65.19	0.50
49.25	46.15	1.96	1.00	1.909	0.72	65.44	5.80	0.28	65.72	0.50
49.30	46.54	1.96	1.00	1.911	0.72	65.97	5.80	0.28	66.25	0.50
49.35	46.93	1.96	1.00	1.913	0.72	66.49	5.80	0.28	66.77	0.50
49.40	47.32	1.96	1.00	1.914	0.72	67.01	5.80	0.29	67.30	0.50
49.45	47.71	1.96	1.00	1.916	0.72	67.54	5.80	0.29	67.82	0.50
49.50	48.10	1.96	1.00	1.918	0.72	68.06	5.80	0.29	68.35	0.50
49.55	48.49	1.96	1.00	1.919	0.72	68.58	5.80	0.29	68.87	0.50
49.60	48.88	1.96	1.00	1.921	0.72	69.10	5.80	0.29	69.40	0.50
49.65	49.27	1.96	1.00	1.923	0.72	69.62	5.80	0.30	69.92	0.50
49.70	49.66	1.96	1.00	1.924	0.72	70.14	5.80	0.30	70.44	0.50
49.75	50.05	1.96	1.00	1.926	0.72	70.67	5.80	0.30	70.97	0.50
49.80	50.44	1.96	1.00	1.928	0.72	71.19	5.80	0.30	71.49	0.50
49.85	50.83	1.96	1.00	1.929	0.72	71.70	5.80	0.31	72.01	0.50
49.90	51.22	1.96	1.00	1.931	0.72	72.22	5.80	0.31	72.53	0.50
49.95	51.61	1.96	1.00	1.933	0.72	72.74	5.80	0.31	73.05	0.50
50.00	52.00	1.96	1.00	1.934	0.72	73.26	5.80	0.31	73.57	0.50
50.05	52.00	1.96	1.00	1.936	0.72	73.23	5.80	0.31	73.55	0.50
50.10	52.00	1.96	1.00	1.938	0.72	73.20	5.80	0.31	73.51	0.50
50.15	52.00	1.96	1.00	1.939	0.72	73.17	5.80	0.31	73.48	0.50
50.20	52.00	1.96	1.00	1.941	0.72	73.14	5.80	0.31	73.45	0.50
50.25	52.00	1.96	1.00	1.943	0.72	73.11	5.80	0.31	73.42	0.50
50.30	52.00	1.96	1.00	1.944	0.72	73.08	5.80	0.31	73.39	0.50
50.35	52.00	1.96	1.00	1.946	0.72	73.05	5.80	0.31	73.36	0.50
50.40	52.00	1.96	1.00	1.948	0.72	73.01	5.80	0.31	73.32	0.50
50.45	52.00	1.96	1.00	1.949	0.72	72.98	5.80	0.31	73.29	0.50
50.50	52.00	1.96	1.00	1.951	0.72	72.95	5.80	0.31	73.26	0.50
50.55	52.00	1.96	1.00	1.953	0.72	72.92	5.80	0.31	73.23	0.50
50.60	52.00	1.96	1.00	1.954	0.72	72.89	5.80	0.31	73.20	0.50
50.65	52.00	1.96	1.00	1.956	0.72	72.86	5.80	0.31	73.17	0.50
50.70	52.00	1.96	1.00	1.958	0.71	72.83	5.80	0.31	73.14	0.50
50.75	52.00	1.96	1.00	1.959	0.71	72.80	5.80	0.31	73.11	0.50
50.80	52.00	1.96	1.00	1.961	0.71	72.76	5.80	0.31	73.07	0.50
50.85	52.00	1.96	1.00	1.963	0.71	72.73	5.80	0.31	73.04	0.50
50.90	52.00	1.96	1.00	1.964	0.71	72.70	5.80	0.31	73.01	0.50
50.95	52.00	1.96	1.00	1.966	0.71	72.67	5.80	0.31	72.98	0.50
51.00	52.00	1.96	1.00	1.968	0.71	72.64	5.80	0.31	72.95	0.50
51.05	52.00	1.96	1.00	1.970	0.71	72.61	5.80	0.31	72.92	0.50
51.10	52.00	1.96	1.00	1.971	0.71	72.58	5.80	0.31	72.89	0.50
51.15	52.00	1.96	1.00	1.973	0.71	72.55	5.80	0.31	72.86	0.50
51.20	52.00	1.96	1.00	1.975	0.71	72.52	5.80	0.31	72.82	0.50
51.25	52.00	1.96	1.00	1.976	0.71	72.49	5.80	0.31	72.79	0.50
51.30	52.00	1.96	1.00	1.978	0.71	72.45	5.80	0.31	72.76	0.50
51.35	52.00	1.96	1.00	1.980	0.71	72.42	5.80	0.31	72.73	0.50
51.40	52.00	1.96	1.00	1.981	0.71	72.39	5.80	0.31	72.70	0.50
51.45	52.00	1.96	1.00	1.983	0.71	72.36	5.80	0.31	72.67	0.50
51.50	52.00	1.96	1.00	1.985	0.71	72.33	5.80	0.31	72.64	0.50
51.55	52.00	1.96	1.00	1.986	0.71	72.30	5.80	0.31	72.61	0.50
51.60	52.00	1.96	1.00	1.988	0.71	72.27	5.80	0.31	72.58	0.50
51.65	52.00	1.96	1.00	1.990	0.71	72.24	5.80	0.31	72.54	0.50
51.70	52.00	1.96	1.00	1.992	0.71	72.21	5.80	0.31	72.51	0.50
51.75	52.00	1.96	1.00	1.993	0.71	72.18	5.80	0.31	72.48	0.50
51.80	52.00	1.96	1.00	1.995	0.71	72.15	5.80	0.31	72.45	0.50
51.85	52.00	1.96	1.00	1.997	0.71	72.11	5.80	0.31	72.42	0.50
51.90	52.00	1.96	1.00	1.998	0.71	72.08	5.80	0.31	72.39	0.50
51.95	52.00	1.96	1.00	2.000	0.71	72.05	5.80	0.31	72.36	0.50
52.00	52.00	1.96	1.00	2.002	0.71	72.02	5.80	0.31	72.33	0.50
52.05	52.00	1.96	1.00	2.003	0.71	71.99	5.80	0.31	72.30	0.50
52.10	52.00	1.96	1.00	2.005	0.71	71.96	5.80	0.31	72.27	0.50
52.15	52.00	1.96	1.00	2.007	0.71	71.93	5.80	0.31	72.24	0.50
52.20	52.00	1.96	1.00	2.009	0.71	71.90	5.80	0.31	72.21	0.50
52.25	52.00	1.96	1.00	2.010	0.71	71.87	5.80	0.31	72.18	0.50
52.30	52.00	1.96	1.00	2.012	0.70	71.84	5.80	0.31	72.14	0.50
52.35	52.00	1.96	1.00	2.014	0.70	71.81	5.80	0.31	72.11	0.50
52.40	52.00	1.96	1.00	2.015	0.70	71.78	5.80	0.31	72.08	0.50
52.45	52.00	1.96	1.00	2.017	0.70	71.75	5.80	0.31	72.05	0.50
52.50	52.00	1.96	1.00	2.019	0.70	71.72	5.80	0.31	72.02	0.50
52.55	52.00	1.96	1.00	2.021	0.70	71.69	5.80	0.30	71.99	0.50
52.60	52.00	1.96	1.00	2.022	0.70	71.66	5.80	0.30	71.96	0.50

52.65	52.00	1.96	1.00	2.024	0.70	71.63	5.80	0.30	71.93	0.50
52.70	52.00	1.96	1.00	2.026	0.70	71.60	5.80	0.30	71.90	0.50
52.75	52.00	1.96	1.00	2.027	0.70	71.56	5.80	0.30	71.87	0.50
52.80	52.00	1.96	1.00	2.029	0.70	71.53	5.80	0.30	71.84	0.50
52.85	52.00	1.96	1.00	2.031	0.70	71.50	5.80	0.30	71.81	0.50
52.90	52.00	1.96	1.00	2.033	0.70	71.47	5.80	0.30	71.78	0.50
52.95	52.00	1.96	1.00	2.034	0.70	71.44	5.80	0.30	71.75	0.50
53.00	52.00	1.96	1.00	2.036	0.70	71.41	5.80	0.30	71.72	0.50
53.05	52.00	1.96	1.00	2.038	0.70	71.38	5.80	0.30	71.69	0.50
53.10	52.00	1.96	1.00	2.039	0.70	71.35	5.80	0.30	71.66	0.50
53.15	52.00	1.96	1.00	2.041	0.70	71.32	5.80	0.30	71.63	0.50
53.20	52.00	1.96	1.00	2.043	0.70	71.29	5.80	0.30	71.60	0.50
53.25	52.00	1.96	1.00	2.045	0.70	71.26	5.80	0.30	71.57	0.50
53.30	52.00	1.96	1.00	2.046	0.70	71.23	5.80	0.30	71.53	0.50
53.35	52.00	1.96	1.00	2.048	0.70	71.20	5.80	0.30	71.50	0.50
53.40	52.00	1.96	1.00	2.050	0.70	71.17	5.80	0.30	71.47	0.50
53.45	52.00	1.96	1.00	2.052	0.70	71.14	5.80	0.30	71.44	0.50
53.50	52.00	1.96	1.00	2.053	0.70	71.11	5.80	0.30	71.41	0.50
53.55	52.00	1.96	1.00	2.055	0.70	71.08	5.80	0.30	71.38	0.50
53.60	52.00	1.96	1.00	2.057	0.70	71.05	5.80	0.30	71.35	0.50
53.65	52.00	1.96	1.00	2.059	0.70	71.02	5.80	0.30	71.32	0.50
53.70	52.00	1.96	1.00	2.060	0.70	70.99	5.80	0.30	71.29	0.50
53.75	52.00	1.96	1.00	2.062	0.70	70.96	5.80	0.30	71.26	0.50
53.80	52.00	1.96	1.00	2.064	0.70	70.93	5.80	0.30	71.23	0.50
53.85	52.00	1.96	1.00	2.066	0.70	70.90	5.80	0.30	71.20	0.50
53.90	52.00	1.96	1.00	2.067	0.70	70.87	5.80	0.30	71.17	0.50
53.95	52.00	1.96	1.00	2.069	0.70	70.84	5.80	0.30	71.14	0.50
54.00	52.00	1.96	1.00	2.071	0.69	70.81	5.80	0.30	71.11	0.50
54.05	52.00	1.96	1.00	2.073	0.69	70.78	5.80	0.30	71.08	0.50
54.10	52.00	1.96	1.00	2.074	0.69	70.75	5.80	0.30	71.05	0.50
54.15	52.00	1.96	1.00	2.076	0.69	70.72	5.80	0.30	71.02	0.50
54.20	52.00	1.96	1.00	2.078	0.69	70.69	5.80	0.30	70.99	0.50
54.25	52.00	1.96	1.00	2.080	0.69	70.66	5.80	0.30	70.96	0.50
54.30	52.00	1.96	1.00	2.081	0.69	70.63	5.80	0.30	70.93	0.50
54.35	52.00	1.96	1.00	2.083	0.69	70.60	5.80	0.30	70.90	0.50
54.40	52.00	1.96	1.00	2.085	0.69	70.57	5.80	0.30	70.87	0.50
54.45	52.00	1.96	1.00	2.087	0.69	70.54	5.80	0.30	70.84	0.50
54.50	52.00	1.96	1.00	2.088	0.69	70.51	5.80	0.30	70.81	0.50
54.55	52.00	1.96	1.00	2.090	0.69	70.48	5.80	0.30	70.78	0.50
54.60	52.00	1.96	1.00	2.092	0.69	70.45	5.80	0.30	70.75	0.50
54.65	52.00	1.96	1.00	2.094	0.69	70.42	5.80	0.30	70.72	0.50
54.70	52.00	1.96	1.00	2.095	0.69	70.39	5.80	0.30	70.69	0.50
54.75	52.00	1.96	1.00	2.097	0.69	70.37	5.80	0.30	70.67	0.50
54.80	52.00	1.96	1.00	2.099	0.69	70.34	5.80	0.30	70.64	0.50
54.85	52.00	1.96	1.00	2.101	0.69	70.31	5.80	0.30	70.61	0.50
54.90	52.00	1.96	1.00	2.102	0.69	70.28	5.80	0.30	70.58	0.50
54.95	52.00	1.96	1.00	2.104	0.69	70.25	5.80	0.30	70.55	0.50
55.00	52.00	1.96	1.00	2.106	0.69	70.22	5.80	0.30	70.52	0.50

CRR is based on water table at 17.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.73:

Depth ft	sigC' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	F.S.=CRRm/CSRfs
10.00	0.37	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
10.05	0.37	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
10.10	0.38	0.50	1.00	0.50	1.32	0.66	0.75	0.88 *
10.15	0.38	0.50	1.00	0.50	1.32	0.66	0.75	0.89 *
10.20	0.38	0.50	1.00	0.50	1.32	0.66	0.75	0.89 *
10.25	0.38	0.50	1.00	0.50	1.32	0.66	0.75	0.89 *
10.30	0.38	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.35	0.38	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.40	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.45	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.50	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.55	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.60	0.39	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.65	0.40	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.70	0.40	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.75	0.40	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.80	0.40	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.85	0.40	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *

10.90	0.41	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
10.95	0.41	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.00	0.41	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.05	0.41	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.10	0.41	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.15	0.41	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.20	0.42	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.25	0.42	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.30	0.42	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.35	0.42	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.40	0.42	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.45	0.43	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.50	0.43	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.55	0.43	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.60	0.43	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.65	0.43	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.70	0.44	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.75	0.44	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.80	0.44	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.85	0.44	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.90	0.44	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
11.95	0.44	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.00	0.45	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.05	0.45	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.10	0.45	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.15	0.45	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.20	0.45	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.25	0.46	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.30	0.46	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.35	0.46	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.40	0.46	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.45	0.46	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.50	0.46	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.55	0.47	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.60	0.47	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.65	0.47	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.70	0.47	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.75	0.47	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.80	0.48	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.85	0.48	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.90	0.48	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
12.95	0.48	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.00	0.48	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.05	0.49	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.10	0.49	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.15	0.49	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.20	0.49	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.25	0.49	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.30	0.49	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.35	0.50	0.50	1.00	0.50	1.32	0.66	0.74	0.89 *
13.40	0.50	0.49	1.00	0.49	1.32	0.64	0.74	0.87 *
13.45	0.50	0.47	1.00	0.47	1.32	0.62	0.74	0.84 *
13.50	0.50	0.46	1.00	0.46	1.32	0.61	0.74	0.82 *
13.55	0.50	0.45	1.00	0.45	1.32	0.59	0.74	0.81 *
13.60	0.51	0.44	1.00	0.44	1.32	0.58	0.74	0.79 *
13.65	0.51	0.44	1.00	0.44	1.32	0.57	0.74	0.78 *
13.70	0.51	0.43	1.00	0.43	1.32	0.57	0.74	0.77 *
13.75	0.51	0.42	1.00	0.42	1.32	0.56	0.74	0.76 *
13.80	0.51	0.42	1.00	0.42	1.32	0.55	0.74	0.75 *
13.85	0.52	0.41	1.00	0.41	1.32	0.55	0.74	0.74 *
13.90	0.52	0.41	1.00	0.41	1.32	0.54	0.74	0.73 *
13.95	0.52	0.41	1.00	0.41	1.32	0.54	0.74	0.73 *
14.00	0.52	0.40	1.00	0.40	1.32	0.53	0.74	0.72 *
14.05	0.52	0.40	1.00	0.40	1.32	0.53	0.74	0.72 *
14.10	0.53	0.40	1.00	0.40	1.32	0.52	0.74	0.71 *
14.15	0.53	0.40	1.00	0.40	1.32	0.52	0.74	0.71 *
14.20	0.53	0.39	1.00	0.39	1.32	0.52	0.74	0.70 *
14.25	0.53	0.39	1.00	0.39	1.32	0.51	0.74	0.70 *
14.30	0.53	0.39	1.00	0.39	1.32	0.51	0.74	0.70 *
14.35	0.53	0.39	1.00	0.39	1.32	0.51	0.74	0.69 *
14.40	0.54	0.38	1.00	0.38	1.32	0.51	0.74	0.69 *
14.45	0.54	0.38	1.00	0.38	1.32	0.50	0.74	0.68 *
14.50	0.54	0.38	1.00	0.38	1.32	0.50	0.74	0.68 *

14.55	0.54	0.38	1.00	0.38	1.32	0.50	0.74	0.68 *
14.60	0.54	0.38	1.00	0.38	1.32	0.50	0.74	0.68 *
14.65	0.55	0.37	1.00	0.37	1.32	0.49	0.74	0.67 *
14.70	0.55	0.37	1.00	0.37	1.32	0.49	0.74	0.67 *
14.75	0.55	0.37	1.00	0.37	1.32	0.49	0.74	0.67 *
14.80	0.55	0.50	1.00	0.50	1.32	0.66	0.74	0.90 *
14.85	0.55	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
14.90	0.56	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
14.95	0.56	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
15.00	0.56	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
15.05	0.56	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
15.10	0.56	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
15.15	0.56	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
15.20	0.57	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
15.25	0.57	0.50	1.00	0.50	1.32	0.66	0.73	0.90 *
15.30	0.57	0.48	1.00	0.48	1.32	0.64	0.73	0.87 *
15.35	0.57	0.43	1.00	0.43	1.32	0.57	0.73	0.78 *
15.40	0.57	0.41	1.00	0.41	1.32	0.54	0.73	0.74 *
15.45	0.58	0.39	1.00	0.39	1.32	0.52	0.73	0.71 *
15.50	0.58	0.38	1.00	0.38	1.32	0.50	0.73	0.69 *
15.55	0.58	0.37	1.00	0.37	1.32	0.49	0.73	0.67 *
15.60	0.58	0.36	1.00	0.36	1.32	0.48	0.73	0.66 *
15.65	0.58	0.36	1.00	0.36	1.32	0.47	0.73	0.64 *
15.70	0.59	0.35	1.00	0.35	1.32	0.46	0.73	0.63 *
15.75	0.59	0.34	1.00	0.34	1.32	0.45	0.73	0.62 *
15.80	0.59	0.34	1.00	0.34	1.32	0.45	0.73	0.61 *
15.85	0.59	0.33	1.00	0.33	1.32	0.44	0.73	0.60 *
15.90	0.59	0.33	1.00	0.33	1.32	0.43	0.73	0.59 *
15.95	0.59	0.32	1.00	0.32	1.32	0.43	0.73	0.58 *
16.00	0.60	0.32	1.00	0.32	1.32	0.42	0.73	0.57 *
16.05	0.60	0.31	1.00	0.31	1.32	0.41	0.73	0.56 *
16.10	0.60	0.31	1.00	0.31	1.32	0.41	0.73	0.56 *
16.15	0.60	0.30	1.00	0.30	1.32	0.40	0.73	0.55 *
16.20	0.60	0.30	1.00	0.30	1.32	0.40	0.73	0.54 *
16.25	0.61	0.30	1.00	0.30	1.32	0.39	0.73	0.53 *
16.30	0.61	0.29	1.00	0.29	1.32	0.39	0.73	0.53 *
16.35	0.61	0.29	1.00	0.29	1.32	0.38	0.73	0.52 *
16.40	0.61	0.29	1.00	0.29	1.32	0.38	0.73	0.51 *
16.45	0.61	0.28	1.00	0.28	1.32	0.37	0.73	0.51 *
16.50	0.62	0.28	1.00	0.28	1.32	0.37	0.73	0.50 *
16.55	0.62	0.28	1.00	0.28	1.32	0.36	0.73	0.50 *
16.60	0.62	0.27	1.00	0.27	1.32	0.36	0.73	0.49 *
16.65	0.62	0.27	1.00	0.27	1.32	0.35	0.73	0.49 *
16.70	0.62	0.27	1.00	0.27	1.32	0.35	0.73	0.48 *
16.75	0.62	0.26	1.00	0.26	1.32	0.35	0.73	0.47 *
16.80	0.63	0.26	1.00	0.26	1.32	0.34	0.73	0.47 *
16.85	0.63	0.26	1.00	0.26	1.32	0.34	0.73	0.46 *
16.90	0.63	0.25	1.00	0.25	1.32	0.33	0.73	0.46 *
16.95	0.63	0.25	1.00	0.25	1.32	0.33	0.73	0.45 *
17.00	0.63	0.25	1.00	0.25	1.32	0.33	0.73	0.45 *
17.05	0.63	0.25	1.00	0.25	1.32	0.32	0.73	0.44 *
17.10	0.64	0.24	1.00	0.24	1.32	0.32	0.73	0.44 *
17.15	0.64	0.24	1.00	0.24	1.32	0.32	0.73	0.44 *
17.20	0.64	0.24	1.00	0.24	1.32	0.31	0.73	0.43 *
17.25	0.64	0.24	1.00	0.24	1.32	0.31	0.73	0.43 *
17.30	0.64	0.23	1.00	0.23	1.32	0.31	0.73	0.42 *
17.35	0.64	0.23	1.00	0.23	1.32	0.31	0.73	0.42 *
17.40	0.64	0.23	1.00	0.23	1.32	0.30	0.73	0.41 *
17.45	0.64	0.23	1.00	0.23	1.32	0.30	0.73	0.41 *
17.50	0.64	0.22	1.00	0.22	1.32	0.30	0.73	0.41 *
17.55	0.64	0.22	1.00	0.22	1.32	0.29	0.73	0.40 *
17.60	0.64	0.22	1.00	0.22	1.32	0.29	0.73	0.40 *
17.65	0.65	0.22	1.00	0.22	1.32	0.29	0.73	0.39 *
17.70	0.65	0.22	1.00	0.22	1.32	0.28	0.73	0.39 *
17.75	0.65	0.21	1.00	0.21	1.32	0.28	0.73	0.39 *
17.80	0.65	0.21	1.00	0.21	1.32	0.28	0.73	0.38 *
17.85	0.65	0.21	1.00	0.21	1.32	0.28	0.73	0.38 *
17.90	0.65	0.21	1.00	0.21	1.32	0.27	0.73	0.38 *
17.95	0.65	0.21	1.00	0.21	1.32	0.27	0.73	0.37 *
18.00	0.65	0.20	1.00	0.20	1.32	0.27	0.73	0.37 *
18.05	0.65	0.20	1.00	0.20	1.32	0.27	0.73	0.36 *
18.10	0.65	0.20	1.00	0.20	1.32	0.26	0.73	0.36 *
18.15	0.65	0.20	1.00	0.20	1.32	0.26	0.73	0.36 *

18.20	0.66	0.20	1.00	0.20	1.32	0.26	0.73	0.35 *
18.25	0.66	0.19	1.00	0.19	1.32	0.25	0.73	0.35 *
18.30	0.66	0.19	1.00	0.19	1.32	0.25	0.73	0.35 *
18.35	0.66	0.19	1.00	0.19	1.32	0.25	0.73	0.34 *
18.40	0.66	0.19	1.00	0.19	1.32	0.25	0.73	0.34 *
18.45	0.66	0.19	1.00	0.19	1.32	0.24	0.73	0.34 *
18.50	0.66	0.18	1.00	0.18	1.32	0.24	0.73	0.33 *
18.55	0.66	0.18	1.00	0.18	1.32	0.24	0.73	0.33 *
18.60	0.66	0.18	1.00	0.18	1.32	0.24	0.73	0.32 *
18.65	0.66	0.18	1.00	0.18	1.32	0.23	0.73	0.32 *
18.70	0.66	0.18	1.00	0.18	1.32	0.23	0.73	0.32 *
18.75	0.67	0.17	1.00	0.17	1.32	0.23	0.73	0.31 *
18.80	0.67	0.17	1.00	0.17	1.32	0.23	0.73	0.31 *
18.85	0.67	0.17	1.00	0.17	1.32	0.22	0.73	0.31 *
18.90	0.67	0.17	1.00	0.17	1.32	0.22	0.73	0.30 *
18.95	0.67	0.17	1.00	0.17	1.32	0.22	0.73	0.30 *
19.00	0.67	0.16	1.00	0.16	1.32	0.22	0.73	0.30 *
19.05	0.67	0.16	1.00	0.16	1.32	0.21	0.73	0.29 *
19.10	0.67	0.16	1.00	0.16	1.32	0.21	0.73	0.29 *
19.15	0.67	0.16	1.00	0.16	1.32	0.21	0.73	0.29 *
19.20	0.67	0.16	1.00	0.16	1.32	0.21	0.73	0.28 *
19.25	0.67	0.15	1.00	0.15	1.32	0.20	0.73	0.28 *
19.30	0.67	0.15	1.00	0.15	1.32	0.20	0.73	0.28 *
19.35	0.68	0.15	1.00	0.15	1.32	0.20	0.73	0.27 *
19.40	0.68	0.15	1.00	0.15	1.32	0.20	0.73	0.27 *
19.45	0.68	0.15	1.00	0.15	1.32	0.19	0.73	0.26 *
19.50	0.68	0.14	1.00	0.14	1.32	0.19	0.73	0.26 *
19.55	0.68	0.14	1.00	0.14	1.32	0.19	0.73	0.26 *
19.60	0.68	0.14	1.00	0.14	1.32	0.18	0.73	0.25 *
19.65	0.68	0.14	1.00	0.14	1.32	0.18	0.73	0.25 *
19.70	0.68	0.14	1.00	0.14	1.32	0.18	0.73	0.25 *
19.75	0.68	0.13	1.00	0.13	1.32	0.18	0.73	0.24 *
19.80	0.68	0.13	1.00	0.13	1.32	0.17	0.73	0.24 *
19.85	0.68	0.13	1.00	0.13	1.32	0.17	0.73	0.24 *
19.90	0.69	0.13	1.00	0.13	1.32	0.17	0.73	0.23 *
19.95	0.69	0.13	1.00	0.13	1.32	0.17	0.73	0.23 *
20.00	0.69	0.12	1.00	0.12	1.32	0.16	0.73	0.23 *
20.05	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.10	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.15	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.20	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.25	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.30	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.35	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.40	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.45	0.69	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.50	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.55	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.60	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.65	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.70	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.75	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.80	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.85	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.90	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
20.95	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.00	0.70	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.05	0.71	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.10	0.71	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.15	0.71	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.20	0.71	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.25	0.71	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.30	0.71	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.35	0.71	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.40	0.71	0.12	1.00	0.12	1.32	2.00	0.73	5.00 ^
21.45	0.71	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.50	0.71	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.55	0.71	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.60	0.71	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.65	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.70	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.75	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.80	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^

21.85	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.90	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
21.95	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.00	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.05	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.10	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.15	0.72	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.20	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.25	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.30	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.35	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.40	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.45	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.50	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.55	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.60	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.65	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.70	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.75	0.73	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.80	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.85	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.90	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
22.95	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.00	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.05	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.10	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.15	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.20	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.25	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.30	0.74	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.35	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.40	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.45	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.50	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.55	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.60	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.65	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.70	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.75	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.80	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.85	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.90	0.75	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
23.95	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.00	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.05	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.10	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.15	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.20	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.25	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.30	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.35	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.40	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.45	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.50	0.76	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.55	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.60	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.65	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.70	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.75	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.80	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.85	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.90	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
24.95	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
25.00	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
25.05	0.77	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
25.10	0.78	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
25.15	0.78	0.12	1.00	0.12	1.32	2.00	0.72	5.00 ^
25.20	0.78	0.13	1.00	0.13	1.32	2.00	0.72	5.00 ^
25.25	0.78	0.13	1.00	0.13	1.32	2.00	0.72	5.00 ^
25.30	0.78	0.13	1.00	0.13	1.32	2.00	0.72	5.00 ^
25.35	0.78	0.13	1.00	0.13	1.32	2.00	0.72	5.00 ^
25.40	0.78	0.13	1.00	0.13	1.32	2.00	0.72	5.00 ^
25.45	0.78	0.13	1.00	0.13	1.32	2.00	0.72	5.00 ^

25.50	0.78	0.13	1.00	0.13	1.32	2.00	0.72	5.00 ^
25.55	0.78	0.13	1.00	0.13	1.32	2.00	0.72	5.00 ^
25.60	0.78	0.14	1.00	0.14	1.32	2.00	0.72	5.00 ^
25.65	0.78	0.14	1.00	0.14	1.32	2.00	0.72	5.00 ^
25.70	0.79	0.14	1.00	0.14	1.32	2.00	0.72	5.00 ^
25.75	0.79	0.14	1.00	0.14	1.32	2.00	0.72	5.00 ^
25.80	0.79	0.14	1.00	0.14	1.32	2.00	0.72	5.00 ^
25.85	0.79	0.14	1.00	0.14	1.32	2.00	0.72	5.00 ^
25.90	0.79	0.14	1.00	0.14	1.32	2.00	0.72	5.00 ^
25.95	0.79	0.14	1.00	0.14	1.32	2.00	0.72	5.00 ^
26.00	0.79	0.15	1.00	0.15	1.32	2.00	0.72	5.00 ^
26.05	0.79	0.15	1.00	0.15	1.32	2.00	0.72	5.00 ^
26.10	0.79	0.15	1.00	0.15	1.32	2.00	0.72	5.00 ^
26.15	0.79	0.15	1.00	0.15	1.32	2.00	0.72	5.00 ^
26.20	0.79	0.15	1.00	0.15	1.32	2.00	0.72	5.00 ^
26.25	0.80	0.15	1.00	0.15	1.32	2.00	0.72	5.00 ^
26.30	0.80	0.15	1.00	0.15	1.32	2.00	0.72	5.00 ^
26.35	0.80	0.15	1.00	0.15	1.32	2.00	0.72	5.00 ^
26.40	0.80	0.16	1.00	0.16	1.32	2.00	0.72	5.00 ^
26.45	0.80	0.16	1.00	0.16	1.32	2.00	0.72	5.00 ^
26.50	0.80	0.16	1.00	0.16	1.32	2.00	0.72	5.00 ^
26.55	0.80	0.16	1.00	0.16	1.32	2.00	0.72	5.00 ^
26.60	0.80	0.16	1.00	0.16	1.32	2.00	0.72	5.00 ^
26.65	0.80	0.16	1.00	0.16	1.32	2.00	0.72	5.00 ^
26.70	0.80	0.16	1.00	0.16	1.32	2.00	0.72	5.00 ^
26.75	0.80	0.16	1.00	0.16	1.32	2.00	0.72	5.00 ^
26.80	0.80	0.17	1.00	0.17	1.32	2.00	0.72	5.00 ^
26.85	0.81	0.17	1.00	0.17	1.32	2.00	0.72	5.00 ^
26.90	0.81	0.17	1.00	0.17	1.32	2.00	0.72	5.00 ^
26.95	0.81	0.17	1.00	0.17	1.32	2.00	0.72	5.00 ^
27.00	0.81	0.17	1.00	0.17	1.32	2.00	0.72	5.00 ^
27.05	0.81	0.17	1.00	0.17	1.32	2.00	0.72	5.00 ^
27.10	0.81	0.17	1.00	0.17	1.32	2.00	0.72	5.00 ^
27.15	0.81	0.17	1.00	0.17	1.32	2.00	0.72	5.00 ^
27.20	0.81	0.18	1.00	0.18	1.32	2.00	0.72	5.00 ^
27.25	0.81	0.18	1.00	0.18	1.32	2.00	0.72	5.00 ^
27.30	0.81	0.18	1.00	0.18	1.32	2.00	0.72	5.00 ^
27.35	0.81	0.18	1.00	0.18	1.32	2.00	0.72	5.00 ^
27.40	0.82	0.18	1.00	0.18	1.32	2.00	0.72	5.00 ^
27.45	0.82	0.18	1.00	0.18	1.32	2.00	0.72	5.00 ^
27.50	0.82	0.18	1.00	0.18	1.32	2.00	0.72	5.00 ^
27.55	0.82	0.18	1.00	0.18	1.32	2.00	0.72	5.00 ^
27.60	0.82	0.19	1.00	0.19	1.32	2.00	0.72	5.00 ^
27.65	0.82	0.19	1.00	0.19	1.32	2.00	0.72	5.00 ^
27.70	0.82	0.19	1.00	0.19	1.32	2.00	0.72	5.00 ^
27.75	0.82	0.19	1.00	0.19	1.32	2.00	0.72	5.00 ^
27.80	0.82	0.19	1.00	0.19	1.32	2.00	0.72	5.00 ^
27.85	0.82	0.19	1.00	0.19	1.32	2.00	0.72	5.00 ^
27.90	0.82	0.20	1.00	0.20	1.32	2.00	0.72	5.00 ^
27.95	0.82	0.20	1.00	0.20	1.32	2.00	0.72	5.00 ^
28.00	0.83	0.20	1.00	0.20	1.32	2.00	0.72	5.00 ^
28.05	0.83	0.20	1.00	0.20	1.32	2.00	0.72	5.00 ^
28.10	0.83	0.21	1.00	0.21	1.32	2.00	0.72	5.00 ^
28.15	0.83	0.21	1.00	0.21	1.32	2.00	0.72	5.00 ^
28.20	0.83	0.21	1.00	0.21	1.32	2.00	0.72	5.00 ^
28.25	0.83	0.21	1.00	0.21	1.32	2.00	0.72	5.00 ^
28.30	0.83	0.21	1.00	0.21	1.32	2.00	0.72	5.00 ^
28.35	0.83	0.21	1.00	0.21	1.32	2.00	0.72	5.00 ^
28.40	0.83	0.21	1.00	0.21	1.32	2.00	0.72	5.00 ^
28.45	0.83	0.21	1.00	0.21	1.32	2.00	0.72	5.00 ^
28.50	0.83	0.22	1.00	0.22	1.32	2.00	0.72	5.00 ^
28.55	0.84	0.22	1.00	0.22	1.32	2.00	0.72	5.00 ^
28.60	0.84	0.22	1.00	0.22	1.32	2.00	0.72	5.00 ^
28.65	0.84	0.22	1.00	0.22	1.32	2.00	0.72	5.00 ^
28.70	0.84	0.22	1.00	0.22	1.32	2.00	0.72	5.00 ^
28.75	0.84	0.22	1.00	0.22	1.32	2.00	0.72	5.00 ^
28.80	0.84	0.22	1.00	0.22	1.32	2.00	0.72	5.00 ^
28.85	0.84	0.23	1.00	0.23	1.32	2.00	0.72	5.00 ^
28.90	0.84	0.23	1.00	0.23	1.32	2.00	0.72	5.00 ^
28.95	0.84	0.23	1.00	0.23	1.32	2.00	0.72	5.00 ^
29.00	0.84	0.23	1.00	0.23	1.32	2.00	0.72	5.00 ^
29.05	0.84	0.23	1.00	0.23	1.32	2.00	0.72	5.00 ^
29.10	0.84	0.23	1.00	0.23	1.32	2.00	0.72	5.00 ^

29.15	0.85	0.23	1.00	0.23	1.32	2.00	0.72	5.00 ^
29.20	0.85	0.23	1.00	0.23	1.32	2.00	0.72	5.00 ^
29.25	0.85	0.24	1.00	0.24	1.32	2.00	0.71	5.00 ^
29.30	0.85	0.24	1.00	0.24	1.32	2.00	0.71	5.00 ^
29.35	0.85	0.24	1.00	0.24	1.32	2.00	0.71	5.00 ^
29.40	0.85	0.24	1.00	0.24	1.32	2.00	0.71	5.00 ^
29.45	0.85	0.24	1.00	0.24	1.32	2.00	0.71	5.00 ^
29.50	0.85	0.24	1.00	0.24	1.32	2.00	0.71	5.00 ^
29.55	0.85	0.24	1.00	0.24	1.32	2.00	0.71	5.00 ^
29.60	0.85	0.25	1.00	0.25	1.32	2.00	0.71	5.00 ^
29.65	0.85	0.25	1.00	0.25	1.32	2.00	0.71	5.00 ^
29.70	0.85	0.25	1.00	0.25	1.32	2.00	0.71	5.00 ^
29.75	0.86	0.25	1.00	0.25	1.32	2.00	0.71	5.00 ^
29.80	0.86	0.25	1.00	0.25	1.32	2.00	0.71	5.00 ^
29.85	0.86	0.25	1.00	0.25	1.32	2.00	0.71	5.00 ^
29.90	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
29.95	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.00	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.05	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.10	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.15	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.20	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.25	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.30	0.86	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.35	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.40	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.45	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.50	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.55	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.60	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.65	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.70	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.75	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.80	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.85	0.87	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.90	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
30.95	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.00	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.05	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.10	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.15	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.20	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.25	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.30	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.35	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.40	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.45	0.88	0.26	1.00	0.26	1.32	2.00	0.71	5.00 ^
31.50	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.55	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.60	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.65	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.70	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.75	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.80	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.85	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.90	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
31.95	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.00	0.89	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.05	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.10	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.15	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.20	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.25	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.30	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.35	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.40	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.45	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.50	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.55	0.90	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.60	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.65	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.70	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.75	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^

32.80	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.85	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.90	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
32.95	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
33.00	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
33.05	0.91	0.25	1.00	0.25	1.32	2.00	0.70	5.00 ^
33.10	0.91	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.15	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.20	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.25	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.30	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.35	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.40	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.45	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.50	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.55	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.60	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.65	0.92	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.70	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.75	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.80	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.85	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.90	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
33.95	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.00	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.05	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.10	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.15	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.20	0.93	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.25	0.94	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.30	0.94	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.35	0.94	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.40	0.94	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.45	0.94	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.50	0.94	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.55	0.94	0.25	1.00	0.25	1.32	2.00	0.69	5.00 ^
34.60	0.94	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
34.65	0.94	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
34.70	0.94	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
34.75	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
34.80	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
34.85	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
34.90	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
34.95	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.00	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.05	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.10	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.15	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.20	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.25	0.95	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.30	0.96	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.35	0.96	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.40	0.96	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.45	0.96	0.25	1.00	0.25	1.32	2.00	0.68	5.00 ^
35.50	0.96	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.55	0.96	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.60	0.96	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.65	0.96	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.70	0.96	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.75	0.96	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.80	0.97	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.85	0.97	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.90	0.97	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
35.95	0.97	0.26	1.00	0.26	1.32	2.00	0.68	5.00 ^
36.00	0.97	0.27	1.00	0.27	1.32	2.00	0.68	5.00 ^
36.05	0.97	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^
36.10	0.97	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^
36.15	0.97	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^
36.20	0.97	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^
36.25	0.97	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^
36.30	0.97	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^
36.35	0.98	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^
36.40	0.98	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^

36.45	0.98	0.27	1.00	0.27	1.32	2.00	0.67	5.00 ^
36.50	0.98	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.55	0.98	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.60	0.98	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.65	0.98	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.70	0.98	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.75	0.98	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.80	0.98	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.85	0.99	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.90	0.99	0.28	1.00	0.28	1.32	2.00	0.67	5.00 ^
36.95	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.00	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.05	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.10	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.15	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.20	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.25	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.30	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.35	0.99	0.29	1.00	0.29	1.32	2.00	0.67	5.00 ^
37.40	1.00	0.30	1.00	0.30	1.32	2.00	0.67	5.00 ^
37.45	1.00	0.30	1.00	0.30	1.32	2.00	0.67	5.00 ^
37.50	1.00	0.30	1.00	0.30	1.32	2.00	0.66	5.00 ^
37.55	1.00	0.30	1.00	0.30	1.32	2.00	0.66	5.00 ^
37.60	1.00	0.30	1.00	0.30	1.32	2.00	0.66	5.00 ^
37.65	1.00	0.30	1.01	0.30	1.32	2.00	0.66	5.00 ^
37.70	1.00	0.30	1.01	0.30	1.32	2.00	0.66	5.00 ^
37.75	1.00	0.30	1.01	0.31	1.32	2.00	0.66	5.00 ^
37.80	1.00	0.30	1.01	0.31	1.32	2.00	0.66	5.00 ^
37.85	1.00	0.31	1.01	0.31	1.32	2.00	0.66	5.00 ^
37.90	1.01	0.31	1.01	0.31	1.32	2.00	0.66	5.00 ^
37.95	1.01	0.31	1.01	0.31	1.32	2.00	0.66	5.00 ^
38.00	1.01	0.31	1.01	0.31	1.32	2.00	0.66	5.00 ^
38.05	1.01	0.31	1.00	0.31	1.32	2.00	0.66	5.00 ^
38.10	1.01	0.31	1.00	0.31	1.32	2.00	0.66	5.00 ^
38.15	1.01	0.31	1.00	0.32	1.32	2.00	0.66	5.00 ^
38.20	1.01	0.32	1.00	0.32	1.32	2.00	0.66	5.00 ^
38.25	1.01	0.32	1.00	0.32	1.32	2.00	0.66	5.00 ^
38.30	1.01	0.32	1.00	0.32	1.32	2.00	0.66	5.00 ^
38.35	1.01	0.32	1.00	0.32	1.32	2.00	0.66	5.00 ^
38.40	1.02	0.32	1.00	0.32	1.32	2.00	0.66	5.00 ^
38.45	1.02	0.32	1.00	0.32	1.32	2.00	0.66	5.00 ^
38.50	1.02	0.32	1.00	0.32	1.32	2.00	0.66	5.00 ^
38.55	1.02	0.32	1.00	0.33	1.32	2.00	0.66	5.00 ^
38.60	1.02	0.33	1.00	0.33	1.32	2.00	0.66	5.00 ^
38.65	1.02	0.33	1.00	0.33	1.32	2.00	0.66	5.00 ^
38.70	1.02	0.33	1.00	0.33	1.32	2.00	0.66	5.00 ^
38.75	1.02	0.33	1.00	0.33	1.32	2.00	0.66	5.00 ^
38.80	1.02	0.33	1.00	0.33	1.32	2.00	0.66	5.00 ^
38.85	1.02	0.33	1.00	0.33	1.32	2.00	0.66	5.00 ^
38.90	1.02	0.34	1.00	0.34	1.32	2.00	0.66	5.00 ^
38.95	1.03	0.34	1.00	0.34	1.32	2.00	0.65	5.00 ^
39.00	1.03	0.34	1.00	0.34	1.32	2.00	0.65	5.00 ^
39.05	1.03	0.34	1.00	0.34	1.32	2.00	0.65	5.00 ^
39.10	1.03	0.34	1.00	0.34	1.32	2.00	0.65	5.00 ^
39.15	1.03	0.34	1.00	0.34	1.32	2.00	0.65	5.00 ^
39.20	1.03	0.35	1.00	0.35	1.32	2.00	0.65	5.00 ^
39.25	1.03	0.35	1.00	0.35	1.32	2.00	0.65	5.00 ^
39.30	1.03	0.35	1.00	0.35	1.32	2.00	0.65	5.00 ^
39.35	1.03	0.35	1.00	0.35	1.32	2.00	0.65	5.00 ^
39.40	1.03	0.35	1.00	0.35	1.32	2.00	0.65	5.00 ^
39.45	1.04	0.35	1.00	0.35	1.32	2.00	0.65	5.00 ^
39.50	1.04	0.36	1.00	0.36	1.32	2.00	0.65	5.00 ^
39.55	1.04	0.36	1.00	0.36	1.32	2.00	0.65	5.00 ^
39.60	1.04	0.36	1.00	0.36	1.32	2.00	0.65	5.00 ^
39.65	1.04	0.36	1.00	0.36	1.32	2.00	0.65	5.00 ^
39.70	1.04	0.36	1.00	0.36	1.32	2.00	0.65	5.00 ^
39.75	1.04	0.37	1.00	0.37	1.32	2.00	0.65	5.00 ^
39.80	1.04	0.37	1.00	0.37	1.32	2.00	0.65	5.00 ^
39.85	1.04	0.37	1.00	0.37	1.32	2.00	0.65	5.00 ^
39.90	1.04	0.37	1.00	0.37	1.32	2.00	0.65	5.00 ^
39.95	1.05	0.38	1.00	0.38	1.32	2.00	0.65	5.00 ^
40.00	1.05	0.38	1.00	0.38	1.32	2.00	0.65	5.00 ^
40.05	1.05	0.38	1.00	0.38	1.32	0.50	0.65	0.77 *

40.10	1.05	0.38	1.00	0.38	1.32	0.50	0.65	0.77 *
40.15	1.05	0.38	1.00	0.38	1.32	0.50	0.65	0.77 *
40.20	1.05	0.38	1.00	0.38	1.32	0.50	0.65	0.77 *
40.25	1.05	0.38	1.00	0.38	1.32	0.50	0.65	0.77 *
40.30	1.05	0.38	1.00	0.38	1.32	0.49	0.65	0.77 *
40.35	1.05	0.38	1.00	0.37	1.32	0.49	0.65	0.77 *
40.40	1.05	0.38	1.00	0.37	1.32	0.49	0.64	0.77 *
40.45	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.77 *
40.50	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.55	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.60	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.65	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.70	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.75	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.80	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.85	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.90	1.06	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
40.95	1.07	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
41.00	1.07	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
41.05	1.07	0.37	1.00	0.37	1.32	0.49	0.64	0.76 *
41.10	1.07	0.37	1.00	0.37	1.32	0.48	0.64	0.76 *
41.15	1.07	0.37	1.00	0.37	1.32	0.48	0.64	0.76 *
41.20	1.07	0.37	1.00	0.37	1.32	0.48	0.64	0.76 *
41.25	1.07	0.37	0.99	0.37	1.32	0.48	0.64	0.76 *
41.30	1.07	0.37	0.99	0.37	1.32	0.48	0.64	0.76 *
41.35	1.07	0.37	0.99	0.37	1.32	0.48	0.64	0.75 *
41.40	1.07	0.37	0.99	0.36	1.32	0.48	0.64	0.75 *
41.45	1.08	0.37	0.99	0.36	1.32	0.48	0.64	0.75 *
41.50	1.08	0.37	0.99	0.36	1.32	0.48	0.64	0.75 *
41.55	1.08	0.37	0.99	0.36	1.32	0.48	0.64	0.75 *
41.60	1.08	0.37	0.99	0.36	1.32	0.48	0.64	0.75 *
41.65	1.08	0.36	0.99	0.36	1.32	0.48	0.64	0.75 *
41.70	1.08	0.36	0.99	0.36	1.32	0.48	0.64	0.75 *
41.75	1.08	0.36	0.99	0.36	1.32	0.48	0.64	0.75 *
41.80	1.08	0.36	0.99	0.36	1.32	0.48	0.63	0.75 *
41.85	1.08	0.36	0.99	0.36	1.32	0.48	0.63	0.75 *
41.90	1.08	0.36	0.99	0.36	1.32	0.48	0.63	0.75 *
41.95	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.00	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.05	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.10	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.15	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.20	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.25	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.30	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.35	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.75 *
42.40	1.09	0.36	0.99	0.36	1.32	0.47	0.63	0.74 *
42.45	1.10	0.36	0.99	0.36	1.32	0.47	0.63	0.74 *
42.50	1.10	0.36	0.99	0.36	1.32	0.47	0.63	0.74 *
42.55	1.10	0.36	0.99	0.35	1.32	0.47	0.63	0.74 *
42.60	1.10	0.36	0.99	0.35	1.32	0.47	0.63	0.74 *
42.65	1.10	0.36	0.99	0.35	1.32	0.47	0.63	0.74 *
42.70	1.10	0.36	0.99	0.35	1.32	0.47	0.63	0.74 *
42.75	1.10	0.36	0.99	0.35	1.32	0.47	0.63	0.74 *
42.80	1.10	0.36	0.99	0.35	1.32	0.47	0.63	0.74 *
42.85	1.10	0.36	0.99	0.35	1.32	0.46	0.63	0.74 *
42.90	1.10	0.36	0.99	0.35	1.32	0.46	0.63	0.74 *
42.95	1.11	0.36	0.99	0.35	1.32	0.46	0.63	0.74 *
43.00	1.11	0.36	0.99	0.35	1.32	0.46	0.63	0.74 *
43.05	1.11	0.35	0.99	0.35	1.32	0.46	0.63	0.74 *
43.10	1.11	0.35	0.99	0.35	1.32	0.46	0.63	0.74 *
43.15	1.11	0.35	0.99	0.35	1.32	0.46	0.63	0.74 *
43.20	1.11	0.35	0.99	0.35	1.32	0.46	0.62	0.74 *
43.25	1.11	0.35	0.99	0.35	1.32	0.46	0.62	0.74 *
43.30	1.11	0.35	0.99	0.35	1.32	0.46	0.62	0.74 *
43.35	1.11	0.35	0.99	0.35	1.32	0.46	0.62	0.74 *
43.40	1.12	0.35	0.99	0.35	1.32	0.46	0.62	0.74 *
43.45	1.12	0.35	0.99	0.35	1.32	0.46	0.62	0.74 *
43.50	1.12	0.35	0.99	0.34	1.32	0.45	0.62	0.72 *
43.55	1.12	0.34	0.99	0.34	1.32	0.44	0.62	0.71 *
43.60	1.12	0.33	0.99	0.33	1.32	0.44	0.62	0.70 *
43.65	1.12	0.33	0.99	0.33	1.32	0.43	0.62	0.69 *
43.70	1.12	0.32	0.99	0.32	1.32	0.42	0.62	0.68 *

43.75	1.12	0.32	0.99	0.32	1.32	0.42	0.62	0.67 *
43.80	1.12	0.31	0.99	0.31	1.32	0.41	0.62	0.66 *
43.85	1.12	0.31	0.99	0.31	1.32	0.40	0.62	0.65 *
43.90	1.13	0.31	0.99	0.30	1.32	0.40	0.62	0.64 *
43.95	1.13	0.30	0.99	0.30	1.32	0.39	0.62	0.63 *
44.00	1.13	0.30	0.99	0.29	1.32	0.39	0.62	0.62 *
44.05	1.13	0.29	0.99	0.29	1.32	0.38	0.62	0.61 *
44.10	1.13	0.29	0.99	0.28	1.32	0.37	0.62	0.61 *
44.15	1.13	0.28	0.99	0.28	1.32	0.37	0.62	0.60 *
44.20	1.13	0.28	0.99	0.27	1.32	0.36	0.62	0.59 *
44.25	1.13	0.27	0.99	0.27	1.32	0.36	0.62	0.58 *
44.30	1.13	0.27	0.99	0.27	1.32	0.35	0.62	0.57 *
44.35	1.14	0.27	0.99	0.26	1.32	0.34	0.62	0.56 *
44.40	1.14	0.26	0.98	0.26	1.32	0.34	0.62	0.55 *
44.45	1.14	0.26	0.98	0.25	1.32	0.33	0.62	0.54 *
44.50	1.14	0.25	0.98	0.25	1.32	0.33	0.62	0.53 *
44.55	1.14	0.25	0.98	0.24	1.32	0.32	0.61	0.52 *
44.60	1.14	0.24	0.98	0.24	1.32	0.31	0.61	0.51 *
44.65	1.14	0.23	0.98	0.23	1.32	0.31	0.61	0.50 *
44.70	1.14	0.23	0.98	0.23	1.32	0.30	0.61	0.49 *
44.75	1.14	0.22	0.98	0.22	1.32	0.29	0.61	0.48 *
44.80	1.14	0.22	0.98	0.22	1.32	0.29	0.61	0.47 *
44.85	1.15	0.22	0.98	0.21	1.32	0.28	0.61	0.46 *
44.90	1.15	0.21	0.98	0.21	1.32	0.28	0.61	0.45 *
44.95	1.15	0.21	0.98	0.21	1.32	0.27	0.61	0.44 *
45.00	1.15	0.21	0.98	0.20	1.32	0.27	0.61	0.44 *
45.05	1.15	0.21	0.98	0.21	1.32	0.28	0.61	0.45 *
45.10	1.15	0.22	0.98	0.22	1.32	0.29	0.61	0.47 *
45.15	1.15	0.23	0.98	0.22	1.32	0.29	0.61	0.48 *
45.20	1.15	0.23	0.98	0.23	1.32	0.30	0.61	0.50 *
45.25	1.15	0.24	0.98	0.24	1.32	0.31	0.61	0.51 *
45.30	1.16	0.25	0.98	0.24	1.32	0.32	0.61	0.53 *
45.35	1.16	0.26	0.98	0.25	1.32	0.33	0.61	0.54 *
45.40	1.16	0.26	0.98	0.26	1.32	0.34	0.61	0.56 *
45.45	1.16	0.27	0.98	0.27	1.32	0.35	0.61	0.58 *
45.50	1.16	0.28	0.98	0.28	1.32	0.36	0.61	0.60 *
45.55	1.16	0.29	0.98	0.28	1.32	0.38	0.61	0.62 *
45.60	1.16	0.30	0.98	0.29	1.32	0.39	0.61	0.64 *
45.65	1.16	0.31	0.98	0.31	1.32	0.40	0.61	0.66 *
45.70	1.16	0.32	0.98	0.32	1.32	0.42	0.61	0.69 *
45.75	1.17	0.34	0.98	0.33	1.32	0.43	0.61	0.72 *
45.80	1.17	0.35	0.98	0.34	1.32	0.45	0.61	0.75 *
45.85	1.17	0.37	0.98	0.36	1.32	0.48	0.61	0.79 *
45.90	1.17	0.39	0.98	0.39	1.32	0.51	0.60	0.84 *
45.95	1.17	0.45	0.98	0.44	1.32	0.58	0.60	0.96 *
46.00	1.17	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.05	1.17	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.10	1.17	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.15	1.17	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.20	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.25	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.30	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.35	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.40	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.45	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.50	1.18	0.50	0.98	0.49	1.32	0.65	0.60	1.07
46.55	1.18	0.50	0.98	0.49	1.32	0.64	0.60	1.07
46.60	1.18	0.50	0.98	0.49	1.32	0.64	0.60	1.08
46.65	1.18	0.50	0.98	0.49	1.32	0.64	0.60	1.08
46.70	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
46.75	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
46.80	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
46.85	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
46.90	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
46.95	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
47.00	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
47.05	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
47.10	1.19	0.50	0.98	0.49	1.32	0.64	0.60	1.08
47.15	1.20	0.50	0.98	0.49	1.32	0.64	0.60	1.08
47.20	1.20	0.50	0.98	0.49	1.32	0.64	0.60	1.08
47.25	1.20	0.50	0.98	0.49	1.32	0.64	0.59	1.08
47.30	1.20	0.50	0.98	0.49	1.32	0.64	0.59	1.08
47.35	1.20	0.50	0.98	0.49	1.32	0.64	0.59	1.08

47.40	1.20	0.50	0.98	0.49	1.32	0.64	0.59	1.08
47.45	1.20	0.50	0.97	0.49	1.32	0.64	0.59	1.08
47.50	1.20	0.50	0.97	0.49	1.32	0.64	0.59	1.08
47.55	1.20	0.50	0.97	0.49	1.32	0.64	0.59	1.08
47.60	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.08
47.65	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
47.70	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
47.75	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
47.80	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
47.85	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
47.90	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
47.95	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.00	1.21	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.05	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.10	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.15	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.20	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.25	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.30	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.35	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.40	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.45	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.50	1.22	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.55	1.23	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.60	1.23	0.50	0.97	0.49	1.32	0.64	0.59	1.09
48.65	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
48.70	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
48.75	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
48.80	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
48.85	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
48.90	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
48.95	1.23	0.50	0.97	0.49	1.32	0.64	0.58	1.10
49.00	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.05	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.10	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.15	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.20	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.25	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.30	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.35	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.40	1.24	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.45	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.50	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.55	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.60	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.65	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.10
49.70	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
49.75	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
49.80	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
49.85	1.25	0.50	0.97	0.48	1.32	0.64	0.58	1.11
49.90	1.26	0.50	0.97	0.48	1.32	0.64	0.58	1.11
49.95	1.26	0.50	0.97	0.48	1.32	0.64	0.58	1.11
50.00	1.26	0.50	0.97	0.48	1.32	0.64	0.58	1.11
50.05	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.10	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.15	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.20	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.25	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.30	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.35	1.26	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.40	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.45	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.50	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.55	1.27	0.50	0.97	0.48	1.32	0.64	0.57	1.11
50.60	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.11
50.65	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.11
50.70	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
50.75	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
50.80	1.27	0.50	0.96	0.48	1.32	0.64	0.57	1.12
50.85	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
50.90	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
50.95	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
51.00	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12

51.05	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
51.10	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
51.15	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
51.20	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
51.25	1.28	0.50	0.96	0.48	1.32	0.64	0.57	1.12
51.30	1.29	0.50	0.96	0.48	1.32	0.63	0.57	1.12
51.35	1.29	0.50	0.96	0.48	1.32	0.63	0.57	1.12
51.40	1.29	0.50	0.96	0.48	1.32	0.63	0.57	1.12
51.45	1.29	0.50	0.96	0.48	1.32	0.63	0.57	1.12
51.50	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.12
51.55	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.12
51.60	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.12
51.65	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
51.70	1.29	0.50	0.96	0.48	1.32	0.63	0.56	1.13
51.75	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
51.80	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
51.85	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
51.90	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
51.95	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.00	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.05	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.10	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.15	1.30	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.20	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.25	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.30	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.35	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.40	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.45	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.50	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.55	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.13
52.60	1.31	0.50	0.96	0.48	1.32	0.63	0.56	1.14
52.65	1.32	0.50	0.96	0.48	1.32	0.63	0.56	1.14
52.70	1.32	0.50	0.96	0.48	1.32	0.63	0.56	1.14
52.75	1.32	0.50	0.96	0.48	1.32	0.63	0.56	1.14
52.80	1.32	0.50	0.96	0.48	1.32	0.63	0.56	1.14
52.85	1.32	0.50	0.96	0.48	1.32	0.63	0.56	1.14
52.90	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.14
52.95	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.00	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.05	1.32	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.10	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.15	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.20	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.25	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.30	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.35	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.40	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.45	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.50	1.33	0.50	0.96	0.48	1.32	0.63	0.55	1.14
53.55	1.34	0.50	0.96	0.48	1.32	0.63	0.55	1.15
53.60	1.34	0.50	0.96	0.48	1.32	0.63	0.55	1.15
53.65	1.34	0.50	0.96	0.48	1.32	0.63	0.55	1.15
53.70	1.34	0.50	0.95	0.48	1.32	0.63	0.55	1.15
53.75	1.34	0.50	0.95	0.48	1.32	0.63	0.55	1.15
53.80	1.34	0.50	0.95	0.48	1.32	0.63	0.55	1.15
53.85	1.34	0.50	0.95	0.48	1.32	0.63	0.55	1.15
53.90	1.34	0.50	0.95	0.48	1.32	0.63	0.55	1.15
53.95	1.34	0.50	0.95	0.48	1.32	0.63	0.55	1.15
54.00	1.35	0.50	0.95	0.48	1.32	0.63	0.55	1.15
54.05	1.35	0.50	0.95	0.48	1.32	0.63	0.55	1.15
54.10	1.35	0.50	0.95	0.48	1.32	0.63	0.55	1.15
54.15	1.35	0.50	0.95	0.48	1.32	0.63	0.55	1.15
54.20	1.35	0.50	0.95	0.48	1.32	0.63	0.55	1.15
54.25	1.35	0.50	0.95	0.48	1.32	0.63	0.55	1.15
54.30	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.15
54.35	1.35	0.50	0.95	0.48	1.32	0.63	0.54	1.15
54.40	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.15
54.45	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.50	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.55	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.60	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.65	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.16

54.70	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.75	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.80	1.36	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.85	1.37	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.90	1.37	0.50	0.95	0.48	1.32	0.63	0.54	1.16
54.95	1.37	0.50	0.95	0.48	1.32	0.63	0.54	1.16
55.00	1.37	0.50	0.95	0.48	1.32	0.63	0.54	1.16

* F.S.<1: Liquefaction Potential Zone. (If above water table: F.S.=5)
^ No-liquefiable Soils or above Water Table.
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:
Fines Correction for Settlement Analysis:

Depth ft	Ic	qc/N60	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
10.00	-	-	-	34.08	68.60	0.00	34.08
10.05	-	-	-	34.00	68.60	0.00	34.00
10.10	-	-	-	33.93	68.60	0.00	33.93
10.15	-	-	-	33.86	68.60	0.00	33.86
10.20	-	-	-	33.79	68.60	0.00	33.79
10.25	-	-	-	33.72	68.60	0.00	33.72
10.30	-	-	-	33.65	68.60	0.00	33.65
10.35	-	-	-	33.58	68.60	0.00	33.58
10.40	-	-	-	33.51	68.60	0.00	33.51
10.45	-	-	-	33.44	68.60	0.00	33.44
10.50	-	-	-	33.38	68.60	0.00	33.38
10.55	-	-	-	33.31	68.60	0.00	33.31
10.60	-	-	-	33.24	68.60	0.00	33.24
10.65	-	-	-	33.17	68.60	0.00	33.17
10.70	-	-	-	33.11	68.60	0.00	33.11
10.75	-	-	-	33.04	68.60	0.00	33.04
10.80	-	-	-	32.98	68.60	0.00	32.98
10.85	-	-	-	32.91	68.60	0.00	32.91
10.90	-	-	-	32.85	68.60	0.00	32.85
10.95	-	-	-	32.79	68.60	0.00	32.79
11.00	-	-	-	32.72	68.60	0.00	32.72
11.05	-	-	-	32.66	68.60	0.00	32.66
11.10	-	-	-	32.60	68.60	0.00	32.60
11.15	-	-	-	32.53	68.60	0.00	32.53
11.20	-	-	-	32.47	68.60	0.00	32.47
11.25	-	-	-	32.41	68.60	0.00	32.41
11.30	-	-	-	32.35	68.60	0.00	32.35
11.35	-	-	-	32.29	68.60	0.00	32.29
11.40	-	-	-	32.23	68.60	0.00	32.23
11.45	-	-	-	32.17	68.60	0.00	32.17
11.50	-	-	-	32.11	68.60	0.00	32.11
11.55	-	-	-	32.05	68.60	0.00	32.05
11.60	-	-	-	31.99	68.60	0.00	31.99
11.65	-	-	-	31.93	68.60	0.00	31.93
11.70	-	-	-	31.88	68.60	0.00	31.88
11.75	-	-	-	31.82	68.60	0.00	31.82
11.80	-	-	-	31.76	68.60	0.00	31.76
11.85	-	-	-	31.70	68.60	0.00	31.70
11.90	-	-	-	31.65	68.60	0.00	31.65
11.95	-	-	-	31.59	68.60	0.00	31.59
12.00	-	-	-	31.54	68.60	0.00	31.54
12.05	-	-	-	31.48	68.60	0.00	31.48
12.10	-	-	-	31.43	68.60	0.00	31.43
12.15	-	-	-	31.37	68.60	0.00	31.37
12.20	-	-	-	31.32	68.60	0.00	31.32
12.25	-	-	-	31.26	68.60	0.00	31.26
12.30	-	-	-	31.21	68.60	0.00	31.21
12.35	-	-	-	31.16	68.60	0.00	31.16
12.40	-	-	-	31.10	68.60	0.00	31.10
12.45	-	-	-	31.05	68.60	0.00	31.05
12.50	-	-	-	31.00	68.60	0.00	31.00
12.55	-	-	-	30.94	68.60	0.00	30.94
12.60	-	-	-	30.89	68.60	0.00	30.89
12.65	-	-	-	30.84	68.60	0.00	30.84
12.70	-	-	-	30.79	68.60	0.00	30.79

12.75	-	-	-	30.74	68.60	0.00	30.74
12.80	-	-	-	30.69	68.60	0.00	30.69
12.85	-	-	-	30.64	68.60	0.00	30.64
12.90	-	-	-	30.59	68.60	0.00	30.59
12.95	-	-	-	30.54	68.60	0.00	30.54
13.00	-	-	-	30.49	68.60	0.00	30.49
13.05	-	-	-	30.44	68.60	0.00	30.44
13.10	-	-	-	30.39	68.60	0.00	30.39
13.15	-	-	-	30.34	68.60	0.00	30.34
13.20	-	-	-	30.29	68.60	0.00	30.29
13.25	-	-	-	30.24	68.60	0.00	30.24
13.30	-	-	-	30.20	68.60	0.00	30.20
13.35	-	-	-	30.15	68.60	0.00	30.15
13.40	-	-	-	30.10	68.60	0.00	30.10
13.45	-	-	-	30.05	68.60	0.00	30.05
13.50	-	-	-	30.01	68.60	0.00	30.01
13.55	-	-	-	29.96	68.60	0.00	29.96
13.60	-	-	-	29.91	68.60	0.00	29.91
13.65	-	-	-	29.87	68.60	0.00	29.87
13.70	-	-	-	29.82	68.60	0.00	29.82
13.75	-	-	-	29.78	68.60	0.00	29.78
13.80	-	-	-	29.73	68.60	0.00	29.73
13.85	-	-	-	29.69	68.60	0.00	29.69
13.90	-	-	-	29.64	68.60	0.00	29.64
13.95	-	-	-	29.60	68.60	0.00	29.60
14.00	-	-	-	29.55	68.60	0.00	29.55
14.05	-	-	-	29.51	68.60	0.00	29.51
14.10	-	-	-	29.46	68.60	0.00	29.46
14.15	-	-	-	29.42	68.60	0.00	29.42
14.20	-	-	-	29.38	68.60	0.00	29.38
14.25	-	-	-	29.33	68.60	0.00	29.33
14.30	-	-	-	29.29	68.60	0.00	29.29
14.35	-	-	-	29.25	68.60	0.00	29.25
14.40	-	-	-	29.21	68.60	0.00	29.21
14.45	-	-	-	29.16	68.60	0.00	29.16
14.50	-	-	-	29.12	68.60	0.00	29.12
14.55	-	-	-	29.08	68.60	0.00	29.08
14.60	-	-	-	29.04	68.60	0.00	29.04
14.65	-	-	-	29.00	68.60	0.00	29.00
14.70	-	-	-	28.95	68.60	0.00	28.95
14.75	-	-	-	28.91	68.60	0.00	28.91
14.80	-	-	-	31.68	68.60	0.00	31.68
14.85	-	-	-	31.64	68.60	0.00	31.64
14.90	-	-	-	31.59	68.60	0.00	31.59
14.95	-	-	-	31.54	68.60	0.00	31.54
15.00	-	-	-	31.50	68.60	0.00	31.50
15.05	-	-	-	31.26	68.92	0.00	31.26
15.10	-	-	-	31.03	69.25	0.00	31.03
15.15	-	-	-	30.79	69.57	0.00	30.79
15.20	-	-	-	30.56	69.90	0.00	30.56
15.25	-	-	-	30.32	70.22	0.00	30.32
15.30	-	-	-	30.09	70.54	0.00	30.09
15.35	-	-	-	29.86	70.87	0.00	29.86
15.40	-	-	-	29.63	71.19	0.00	29.63
15.45	-	-	-	29.40	71.52	0.00	29.40
15.50	-	-	-	29.17	71.84	0.00	29.17
15.55	-	-	-	28.94	72.16	0.00	28.94
15.60	-	-	-	28.71	72.49	0.00	28.71
15.65	-	-	-	28.49	72.81	0.00	28.49
15.70	-	-	-	28.26	73.14	0.00	28.26
15.75	-	-	-	28.03	73.46	0.00	28.03
15.80	-	-	-	27.81	73.78	0.00	27.81
15.85	-	-	-	27.59	74.11	0.00	27.59
15.90	-	-	-	27.36	74.43	0.00	27.36
15.95	-	-	-	27.14	74.76	0.00	27.14
16.00	-	-	-	26.92	75.08	0.00	26.92
16.05	-	-	-	26.70	75.40	0.00	26.70
16.10	-	-	-	26.48	75.73	0.00	26.48
16.15	-	-	-	26.26	76.05	0.00	26.26
16.20	-	-	-	26.04	76.38	0.00	26.04
16.25	-	-	-	25.82	76.70	0.00	25.82
16.30	-	-	-	25.61	77.02	0.00	25.61
16.35	-	-	-	25.39	77.35	0.00	25.39

16.40	-	-	-	25.18	77.67	0.00	25.18
16.45	-	-	-	24.96	78.00	0.00	24.96
16.50	-	-	-	24.75	78.32	0.00	24.75
16.55	-	-	-	24.53	78.64	0.00	24.53
16.60	-	-	-	24.32	78.97	0.00	24.32
16.65	-	-	-	24.11	79.29	0.00	24.11
16.70	-	-	-	23.90	79.62	0.00	23.90
16.75	-	-	-	23.69	79.94	0.00	23.69
16.80	-	-	-	23.48	80.26	0.00	23.48
16.85	-	-	-	23.27	80.59	0.00	23.27
16.90	-	-	-	23.06	80.91	0.00	23.06
16.95	-	-	-	22.85	81.24	0.00	22.85
17.00	-	-	-	22.64	81.56	0.00	22.64
17.05	-	-	-	22.45	81.88	0.00	22.45
17.10	-	-	-	22.26	82.21	0.00	22.26
17.15	-	-	-	22.06	82.53	0.00	22.06
17.20	-	-	-	21.87	82.86	0.00	21.87
17.25	-	-	-	21.68	83.18	0.00	21.68
17.30	-	-	-	21.49	83.50	0.00	21.49
17.35	-	-	-	21.30	83.83	0.00	21.30
17.40	-	-	-	21.11	84.15	0.00	21.11
17.45	-	-	-	20.91	84.48	0.00	20.91
17.50	-	-	-	20.72	84.80	0.00	20.72
17.55	-	-	-	20.53	85.12	0.00	20.53
17.60	-	-	-	20.34	85.45	0.00	20.34
17.65	-	-	-	20.15	85.77	0.00	20.15
17.70	-	-	-	19.96	86.10	0.00	19.96
17.75	-	-	-	19.77	86.42	0.00	19.77
17.80	-	-	-	19.58	86.74	0.00	19.58
17.85	-	-	-	19.40	87.07	0.00	19.40
17.90	-	-	-	19.21	87.39	0.00	19.21
17.95	-	-	-	19.02	87.72	0.00	19.02
18.00	-	-	-	18.83	88.04	0.00	18.83
18.05	-	-	-	18.64	88.36	0.00	18.64
18.10	-	-	-	18.46	88.69	0.00	18.46
18.15	-	-	-	18.27	89.01	0.00	18.27
18.20	-	-	-	18.08	89.34	0.00	18.08
18.25	-	-	-	17.89	89.66	0.00	17.89
18.30	-	-	-	17.71	89.98	0.00	17.71
18.35	-	-	-	17.52	90.31	0.00	17.52
18.40	-	-	-	17.34	90.63	0.00	17.34
18.45	-	-	-	17.15	90.96	0.00	17.15
18.50	-	-	-	16.96	91.28	0.00	16.96
18.55	-	-	-	16.78	91.60	0.00	16.78
18.60	-	-	-	16.59	91.93	0.00	16.59
18.65	-	-	-	16.41	92.25	0.00	16.41
18.70	-	-	-	16.23	92.58	0.00	16.23
18.75	-	-	-	16.04	92.90	0.00	16.04
18.80	-	-	-	15.86	93.22	0.00	15.86
18.85	-	-	-	15.67	93.55	0.00	15.67
18.90	-	-	-	15.49	93.87	0.00	15.49
18.95	-	-	-	15.31	94.20	0.00	15.31
19.00	-	-	-	15.13	94.52	0.00	15.13
19.05	-	-	-	14.94	94.84	0.00	14.94
19.10	-	-	-	14.76	95.17	0.00	14.76
19.15	-	-	-	14.58	95.49	0.00	14.58
19.20	-	-	-	14.40	95.82	0.00	14.40
19.25	-	-	-	14.21	96.14	0.00	14.21
19.30	-	-	-	14.03	96.46	0.00	14.03
19.35	-	-	-	13.85	96.79	0.00	13.85
19.40	-	-	-	13.67	97.11	0.00	13.67
19.45	-	-	-	13.49	97.44	0.00	13.49
19.50	-	-	-	13.31	97.76	0.00	13.31
19.55	-	-	-	13.13	98.08	0.00	13.13
19.60	-	-	-	12.95	98.41	0.00	12.95
19.65	-	-	-	12.77	98.73	0.00	12.77
19.70	-	-	-	12.59	99.06	0.00	12.59
19.75	-	-	-	12.41	99.38	0.00	12.41
19.80	-	-	-	12.23	99.70	0.00	12.23
19.85	-	-	-	12.05	NoLiq	0.00	12.05
19.90	-	-	-	11.88	NoLiq	0.00	11.88
19.95	-	-	-	11.70	NoLiq	0.00	11.70
20.00	-	-	-	11.52	NoLiq	0.00	11.52

20.05	-	-	-	11.51	NoLiq	0.00	11.51
20.10	-	-	-	11.51	NoLiq	0.00	11.51
20.15	-	-	-	11.51	NoLiq	0.00	11.51
20.20	-	-	-	11.50	NoLiq	0.00	11.50
20.25	-	-	-	11.50	NoLiq	0.00	11.50
20.30	-	-	-	11.49	NoLiq	0.00	11.49
20.35	-	-	-	11.49	NoLiq	0.00	11.49
20.40	-	-	-	11.49	NoLiq	0.00	11.49
20.45	-	-	-	11.48	NoLiq	0.00	11.48
20.50	-	-	-	11.48	NoLiq	0.00	11.48
20.55	-	-	-	11.47	NoLiq	0.00	11.47
20.60	-	-	-	11.47	NoLiq	0.00	11.47
20.65	-	-	-	11.47	NoLiq	0.00	11.47
20.70	-	-	-	11.46	NoLiq	0.00	11.46
20.75	-	-	-	11.46	NoLiq	0.00	11.46
20.80	-	-	-	11.45	NoLiq	0.00	11.45
20.85	-	-	-	11.45	NoLiq	0.00	11.45
20.90	-	-	-	11.45	NoLiq	0.00	11.45
20.95	-	-	-	11.44	NoLiq	0.00	11.44
21.00	-	-	-	11.44	NoLiq	0.00	11.44
21.05	-	-	-	11.43	NoLiq	0.00	11.43
21.10	-	-	-	11.43	NoLiq	0.00	11.43
21.15	-	-	-	11.43	NoLiq	0.00	11.43
21.20	-	-	-	11.42	NoLiq	0.00	11.42
21.25	-	-	-	11.42	NoLiq	0.00	11.42
21.30	-	-	-	11.41	NoLiq	0.00	11.41
21.35	-	-	-	11.41	NoLiq	0.00	11.41
21.40	-	-	-	11.41	NoLiq	0.00	11.41
21.45	-	-	-	11.40	NoLiq	0.00	11.40
21.50	-	-	-	11.40	NoLiq	0.00	11.40
21.55	-	-	-	11.40	NoLiq	0.00	11.40
21.60	-	-	-	11.39	NoLiq	0.00	11.39
21.65	-	-	-	11.39	NoLiq	0.00	11.39
21.70	-	-	-	11.38	NoLiq	0.00	11.38
21.75	-	-	-	11.38	NoLiq	0.00	11.38
21.80	-	-	-	11.38	NoLiq	0.00	11.38
21.85	-	-	-	11.37	NoLiq	0.00	11.37
21.90	-	-	-	11.37	NoLiq	0.00	11.37
21.95	-	-	-	11.36	NoLiq	0.00	11.36
22.00	-	-	-	11.36	NoLiq	0.00	11.36
22.05	-	-	-	11.36	NoLiq	0.00	11.36
22.10	-	-	-	11.35	NoLiq	0.00	11.35
22.15	-	-	-	11.35	NoLiq	0.00	11.35
22.20	-	-	-	11.35	NoLiq	0.00	11.35
22.25	-	-	-	11.34	NoLiq	0.00	11.34
22.30	-	-	-	11.34	NoLiq	0.00	11.34
22.35	-	-	-	11.33	NoLiq	0.00	11.33
22.40	-	-	-	11.33	NoLiq	0.00	11.33
22.45	-	-	-	11.33	NoLiq	0.00	11.33
22.50	-	-	-	11.32	NoLiq	0.00	11.32
22.55	-	-	-	11.32	NoLiq	0.00	11.32
22.60	-	-	-	11.32	NoLiq	0.00	11.32
22.65	-	-	-	11.31	NoLiq	0.00	11.31
22.70	-	-	-	11.31	NoLiq	0.00	11.31
22.75	-	-	-	11.30	NoLiq	0.00	11.30
22.80	-	-	-	11.30	NoLiq	0.00	11.30
22.85	-	-	-	11.30	NoLiq	0.00	11.30
22.90	-	-	-	11.29	NoLiq	0.00	11.29
22.95	-	-	-	11.29	NoLiq	0.00	11.29
23.00	-	-	-	11.29	NoLiq	0.00	11.29
23.05	-	-	-	11.28	NoLiq	0.00	11.28
23.10	-	-	-	11.28	NoLiq	0.00	11.28
23.15	-	-	-	11.27	NoLiq	0.00	11.27
23.20	-	-	-	11.27	NoLiq	0.00	11.27
23.25	-	-	-	11.27	NoLiq	0.00	11.27
23.30	-	-	-	11.26	NoLiq	0.00	11.26
23.35	-	-	-	11.26	NoLiq	0.00	11.26
23.40	-	-	-	11.26	NoLiq	0.00	11.26
23.45	-	-	-	11.25	NoLiq	0.00	11.25
23.50	-	-	-	11.25	NoLiq	0.00	11.25
23.55	-	-	-	11.25	NoLiq	0.00	11.25
23.60	-	-	-	11.24	NoLiq	0.00	11.24
23.65	-	-	-	11.24	NoLiq	0.00	11.24

23.70	-	-	-	11.23	NoLiq	0.00	11.23
23.75	-	-	-	11.23	NoLiq	0.00	11.23
23.80	-	-	-	11.23	NoLiq	0.00	11.23
23.85	-	-	-	11.22	NoLiq	0.00	11.22
23.90	-	-	-	11.22	NoLiq	0.00	11.22
23.95	-	-	-	11.22	NoLiq	0.00	11.22
24.00	-	-	-	11.21	NoLiq	0.00	11.21
24.05	-	-	-	11.21	NoLiq	0.00	11.21
24.10	-	-	-	11.21	NoLiq	0.00	11.21
24.15	-	-	-	11.20	NoLiq	0.00	11.20
24.20	-	-	-	11.20	NoLiq	0.00	11.20
24.25	-	-	-	11.20	NoLiq	0.00	11.20
24.30	-	-	-	11.19	NoLiq	0.00	11.19
24.35	-	-	-	11.19	NoLiq	0.00	11.19
24.40	-	-	-	11.18	NoLiq	0.00	11.18
24.45	-	-	-	11.18	NoLiq	0.00	11.18
24.50	-	-	-	11.18	NoLiq	0.00	11.18
24.55	-	-	-	11.17	NoLiq	0.00	11.17
24.60	-	-	-	11.17	NoLiq	0.00	11.17
24.65	-	-	-	11.17	NoLiq	0.00	11.17
24.70	-	-	-	11.16	NoLiq	0.00	11.16
24.75	-	-	-	11.16	NoLiq	0.00	11.16
24.80	-	-	-	11.16	NoLiq	0.00	11.16
24.85	-	-	-	11.15	NoLiq	0.00	11.15
24.90	-	-	-	11.15	NoLiq	0.00	11.15
24.95	-	-	-	11.15	NoLiq	0.00	11.15
25.00	-	-	-	11.14	NoLiq	0.00	11.14
25.05	-	-	-	11.26	NoLiq	0.00	11.26
25.10	-	-	-	11.38	NoLiq	0.00	11.38
25.15	-	-	-	11.50	NoLiq	0.00	11.50
25.20	-	-	-	11.62	NoLiq	0.00	11.62
25.25	-	-	-	11.74	NoLiq	0.00	11.74
25.30	-	-	-	11.86	NoLiq	0.00	11.86
25.35	-	-	-	11.98	NoLiq	0.00	11.98
25.40	-	-	-	12.09	NoLiq	0.00	12.09
25.45	-	-	-	12.21	NoLiq	0.00	12.21
25.50	-	-	-	12.33	NoLiq	0.00	12.33
25.55	-	-	-	12.45	NoLiq	0.00	12.45
25.60	-	-	-	12.57	NoLiq	0.00	12.57
25.65	-	-	-	12.68	NoLiq	0.00	12.68
25.70	-	-	-	12.80	NoLiq	0.00	12.80
25.75	-	-	-	12.92	NoLiq	0.00	12.92
25.80	-	-	-	13.04	NoLiq	0.00	13.04
25.85	-	-	-	13.15	NoLiq	0.00	13.15
25.90	-	-	-	13.27	NoLiq	0.00	13.27
25.95	-	-	-	13.39	NoLiq	0.00	13.39
26.00	-	-	-	13.50	NoLiq	0.00	13.50
26.05	-	-	-	13.62	NoLiq	0.00	13.62
26.10	-	-	-	13.74	NoLiq	0.00	13.74
26.15	-	-	-	13.85	NoLiq	0.00	13.85
26.20	-	-	-	13.97	NoLiq	0.00	13.97
26.25	-	-	-	14.09	NoLiq	0.00	14.09
26.30	-	-	-	14.20	NoLiq	0.00	14.20
26.35	-	-	-	14.32	NoLiq	0.00	14.32
26.40	-	-	-	14.44	NoLiq	0.00	14.44
26.45	-	-	-	14.55	NoLiq	0.00	14.55
26.50	-	-	-	14.67	NoLiq	0.00	14.67
26.55	-	-	-	14.78	NoLiq	0.00	14.78
26.60	-	-	-	14.90	NoLiq	0.00	14.90
26.65	-	-	-	15.01	NoLiq	0.00	15.01
26.70	-	-	-	15.13	NoLiq	0.00	15.13
26.75	-	-	-	15.24	NoLiq	0.00	15.24
26.80	-	-	-	15.36	NoLiq	0.00	15.36
26.85	-	-	-	15.47	NoLiq	0.00	15.47
26.90	-	-	-	15.59	NoLiq	0.00	15.59
26.95	-	-	-	15.70	NoLiq	0.00	15.70
27.00	-	-	-	15.82	NoLiq	0.00	15.82
27.05	-	-	-	15.93	NoLiq	0.00	15.93
27.10	-	-	-	16.05	NoLiq	0.00	16.05
27.15	-	-	-	16.16	NoLiq	0.00	16.16
27.20	-	-	-	16.27	NoLiq	0.00	16.27
27.25	-	-	-	16.39	NoLiq	0.00	16.39
27.30	-	-	-	16.50	NoLiq	0.00	16.50

27.35	-	-	-	16.62	NoLiq	0.00	16.62
27.40	-	-	-	16.73	NoLiq	0.00	16.73
27.45	-	-	-	16.84	NoLiq	0.00	16.84
27.50	-	-	-	16.96	NoLiq	0.00	16.96
27.55	-	-	-	17.07	NoLiq	0.00	17.07
27.60	-	-	-	17.18	NoLiq	0.00	17.18
27.65	-	-	-	17.29	NoLiq	0.00	17.29
27.70	-	-	-	17.41	NoLiq	0.00	17.41
27.75	-	-	-	17.52	NoLiq	0.00	17.52
27.80	-	-	-	17.63	NoLiq	0.00	17.63
27.85	-	-	-	17.75	NoLiq	0.00	17.75
27.90	-	-	-	18.53	NoLiq	0.00	18.53
27.95	-	-	-	18.65	NoLiq	0.00	18.65
28.00	-	-	-	18.77	NoLiq	0.00	18.77
28.05	-	-	-	18.89	NoLiq	0.00	18.89
28.10	-	-	-	19.01	NoLiq	0.00	19.01
28.15	-	-	-	19.12	NoLiq	0.00	19.12
28.20	-	-	-	19.24	NoLiq	0.00	19.24
28.25	-	-	-	19.36	NoLiq	0.00	19.36
28.30	-	-	-	19.48	NoLiq	0.00	19.48
28.35	-	-	-	19.59	NoLiq	0.00	19.59
28.40	-	-	-	19.71	NoLiq	0.00	19.71
28.45	-	-	-	19.83	NoLiq	0.00	19.83
28.50	-	-	-	19.95	NoLiq	0.00	19.95
28.55	-	-	-	20.06	NoLiq	0.00	20.06
28.60	-	-	-	20.18	NoLiq	0.00	20.18
28.65	-	-	-	20.30	NoLiq	0.00	20.30
28.70	-	-	-	20.41	NoLiq	0.00	20.41
28.75	-	-	-	20.53	NoLiq	0.00	20.53
28.80	-	-	-	20.64	NoLiq	0.00	20.64
28.85	-	-	-	20.76	NoLiq	0.00	20.76
28.90	-	-	-	20.88	NoLiq	0.00	20.88
28.95	-	-	-	20.99	NoLiq	0.00	20.99
29.00	-	-	-	21.11	NoLiq	0.00	21.11
29.05	-	-	-	21.22	NoLiq	0.00	21.22
29.10	-	-	-	21.34	NoLiq	0.00	21.34
29.15	-	-	-	21.45	NoLiq	0.00	21.45
29.20	-	-	-	21.57	NoLiq	0.00	21.57
29.25	-	-	-	21.69	NoLiq	0.00	21.69
29.30	-	-	-	21.80	NoLiq	0.00	21.80
29.35	-	-	-	21.92	NoLiq	0.00	21.92
29.40	-	-	-	22.03	NoLiq	0.00	22.03
29.45	-	-	-	22.15	NoLiq	0.00	22.15
29.50	-	-	-	22.26	NoLiq	0.00	22.26
29.55	-	-	-	22.37	NoLiq	0.00	22.37
29.60	-	-	-	22.49	NoLiq	0.00	22.49
29.65	-	-	-	22.60	NoLiq	0.00	22.60
29.70	-	-	-	22.72	NoLiq	0.00	22.72
29.75	-	-	-	22.83	NoLiq	0.00	22.83
29.80	-	-	-	22.95	NoLiq	0.00	22.95
29.85	-	-	-	23.06	NoLiq	0.00	23.06
29.90	-	-	-	23.17	NoLiq	0.00	23.17
29.95	-	-	-	23.29	NoLiq	0.00	23.29
30.00	-	-	-	23.40	NoLiq	0.00	23.40
30.05	-	-	-	23.39	NoLiq	0.00	23.39
30.10	-	-	-	23.38	NoLiq	0.00	23.38
30.15	-	-	-	23.37	NoLiq	0.00	23.37
30.20	-	-	-	23.36	NoLiq	0.00	23.36
30.25	-	-	-	23.36	NoLiq	0.00	23.36
30.30	-	-	-	23.35	NoLiq	0.00	23.35
30.35	-	-	-	23.34	NoLiq	0.00	23.34
30.40	-	-	-	23.33	NoLiq	0.00	23.33
30.45	-	-	-	23.32	NoLiq	0.00	23.32
30.50	-	-	-	23.31	NoLiq	0.00	23.31
30.55	-	-	-	23.30	NoLiq	0.00	23.30
30.60	-	-	-	23.29	NoLiq	0.00	23.29
30.65	-	-	-	23.28	NoLiq	0.00	23.28
30.70	-	-	-	23.27	NoLiq	0.00	23.27
30.75	-	-	-	23.26	NoLiq	0.00	23.26
30.80	-	-	-	23.26	NoLiq	0.00	23.26
30.85	-	-	-	23.25	NoLiq	0.00	23.25
30.90	-	-	-	23.24	NoLiq	0.00	23.24
30.95	-	-	-	23.23	NoLiq	0.00	23.23

31.00	-	-	-	23.22	NoLiq	0.00	23.22
31.05	-	-	-	23.21	NoLiq	0.00	23.21
31.10	-	-	-	23.20	NoLiq	0.00	23.20
31.15	-	-	-	23.19	NoLiq	0.00	23.19
31.20	-	-	-	23.18	NoLiq	0.00	23.18
31.25	-	-	-	23.17	NoLiq	0.00	23.17
31.30	-	-	-	23.16	NoLiq	0.00	23.16
31.35	-	-	-	23.16	NoLiq	0.00	23.16
31.40	-	-	-	23.15	NoLiq	0.00	23.15
31.45	-	-	-	23.14	NoLiq	0.00	23.14
31.50	-	-	-	23.13	NoLiq	0.00	23.13
31.55	-	-	-	23.12	NoLiq	0.00	23.12
31.60	-	-	-	23.11	NoLiq	0.00	23.11
31.65	-	-	-	23.10	NoLiq	0.00	23.10
31.70	-	-	-	23.09	NoLiq	0.00	23.09
31.75	-	-	-	23.08	NoLiq	0.00	23.08
31.80	-	-	-	23.07	NoLiq	0.00	23.07
31.85	-	-	-	23.07	NoLiq	0.00	23.07
31.90	-	-	-	23.06	NoLiq	0.00	23.06
31.95	-	-	-	23.05	NoLiq	0.00	23.05
32.00	-	-	-	23.04	NoLiq	0.00	23.04
32.05	-	-	-	23.03	NoLiq	0.00	23.03
32.10	-	-	-	23.02	NoLiq	0.00	23.02
32.15	-	-	-	23.01	NoLiq	0.00	23.01
32.20	-	-	-	23.00	NoLiq	0.00	23.00
32.25	-	-	-	22.99	NoLiq	0.00	22.99
32.30	-	-	-	22.98	NoLiq	0.00	22.98
32.35	-	-	-	22.98	NoLiq	0.00	22.98
32.40	-	-	-	22.97	NoLiq	0.00	22.97
32.45	-	-	-	22.96	NoLiq	0.00	22.96
32.50	-	-	-	22.95	NoLiq	0.00	22.95
32.55	-	-	-	22.94	NoLiq	0.00	22.94
32.60	-	-	-	22.93	NoLiq	0.00	22.93
32.65	-	-	-	22.92	NoLiq	0.00	22.92
32.70	-	-	-	22.91	NoLiq	0.00	22.91
32.75	-	-	-	22.90	NoLiq	0.00	22.90
32.80	-	-	-	22.90	NoLiq	0.00	22.90
32.85	-	-	-	22.89	NoLiq	0.00	22.89
32.90	-	-	-	22.88	NoLiq	0.00	22.88
32.95	-	-	-	22.87	NoLiq	0.00	22.87
33.00	-	-	-	22.86	NoLiq	0.00	22.86
33.05	-	-	-	22.85	NoLiq	0.00	22.85
33.10	-	-	-	22.84	NoLiq	0.00	22.84
33.15	-	-	-	22.83	NoLiq	0.00	22.83
33.20	-	-	-	22.82	NoLiq	0.00	22.82
33.25	-	-	-	22.82	NoLiq	0.00	22.82
33.30	-	-	-	22.81	NoLiq	0.00	22.81
33.35	-	-	-	22.80	NoLiq	0.00	22.80
33.40	-	-	-	22.79	NoLiq	0.00	22.79
33.45	-	-	-	22.78	NoLiq	0.00	22.78
33.50	-	-	-	22.77	NoLiq	0.00	22.77
33.55	-	-	-	22.76	NoLiq	0.00	22.76
33.60	-	-	-	22.75	NoLiq	0.00	22.75
33.65	-	-	-	22.74	NoLiq	0.00	22.74
33.70	-	-	-	22.74	NoLiq	0.00	22.74
33.75	-	-	-	22.73	NoLiq	0.00	22.73
33.80	-	-	-	22.72	NoLiq	0.00	22.72
33.85	-	-	-	22.71	NoLiq	0.00	22.71
33.90	-	-	-	22.70	NoLiq	0.00	22.70
33.95	-	-	-	22.69	NoLiq	0.00	22.69
34.00	-	-	-	22.68	NoLiq	0.00	22.68
34.05	-	-	-	22.67	NoLiq	0.00	22.67
34.10	-	-	-	22.67	NoLiq	0.00	22.67
34.15	-	-	-	22.66	NoLiq	0.00	22.66
34.20	-	-	-	22.65	NoLiq	0.00	22.65
34.25	-	-	-	22.64	NoLiq	0.00	22.64
34.30	-	-	-	22.63	NoLiq	0.00	22.63
34.35	-	-	-	22.62	NoLiq	0.00	22.62
34.40	-	-	-	22.61	NoLiq	0.00	22.61
34.45	-	-	-	22.60	NoLiq	0.00	22.60
34.50	-	-	-	22.59	NoLiq	0.00	22.59
34.55	-	-	-	22.59	NoLiq	0.00	22.59
34.60	-	-	-	22.58	NoLiq	0.00	22.58

34.65	-	-	-	22.57	NoLiq	0.00	22.57
34.70	-	-	-	22.56	NoLiq	0.00	22.56
34.75	-	-	-	22.55	NoLiq	0.00	22.55
34.80	-	-	-	22.54	NoLiq	0.00	22.54
34.85	-	-	-	22.53	NoLiq	0.00	22.53
34.90	-	-	-	22.52	NoLiq	0.00	22.52
34.95	-	-	-	22.52	NoLiq	0.00	22.52
35.00	-	-	-	22.51	NoLiq	0.00	22.51
35.05	-	-	-	22.58	NoLiq	0.00	22.58
35.10	-	-	-	22.64	NoLiq	0.00	22.64
35.15	-	-	-	22.71	NoLiq	0.00	22.71
35.20	-	-	-	22.78	NoLiq	0.00	22.78
35.25	-	-	-	22.85	NoLiq	0.00	22.85
35.30	-	-	-	22.92	NoLiq	0.00	22.92
35.35	-	-	-	22.99	NoLiq	0.00	22.99
35.40	-	-	-	23.06	NoLiq	0.00	23.06
35.45	-	-	-	23.13	NoLiq	0.00	23.13
35.50	-	-	-	23.19	NoLiq	0.00	23.19
35.55	-	-	-	23.26	NoLiq	0.00	23.26
35.60	-	-	-	23.33	NoLiq	0.00	23.33
35.65	-	-	-	23.40	NoLiq	0.00	23.40
35.70	-	-	-	23.47	NoLiq	0.00	23.47
35.75	-	-	-	23.54	NoLiq	0.00	23.54
35.80	-	-	-	23.60	NoLiq	0.00	23.60
35.85	-	-	-	23.67	NoLiq	0.00	23.67
35.90	-	-	-	23.74	NoLiq	0.00	23.74
35.95	-	-	-	23.81	NoLiq	0.00	23.81
36.00	-	-	-	23.87	NoLiq	0.00	23.87
36.05	-	-	-	23.94	NoLiq	0.00	23.94
36.10	-	-	-	24.01	NoLiq	0.00	24.01
36.15	-	-	-	24.08	NoLiq	0.00	24.08
36.20	-	-	-	24.15	NoLiq	0.00	24.15
36.25	-	-	-	24.21	NoLiq	0.00	24.21
36.30	-	-	-	24.28	NoLiq	0.00	24.28
36.35	-	-	-	24.35	NoLiq	0.00	24.35
36.40	-	-	-	24.41	NoLiq	0.00	24.41
36.45	-	-	-	24.48	NoLiq	0.00	24.48
36.50	-	-	-	24.55	NoLiq	0.00	24.55
36.55	-	-	-	24.62	NoLiq	0.00	24.62
36.60	-	-	-	24.68	NoLiq	0.00	24.68
36.65	-	-	-	24.75	NoLiq	0.00	24.75
36.70	-	-	-	24.82	NoLiq	0.00	24.82
36.75	-	-	-	24.88	NoLiq	0.00	24.88
36.80	-	-	-	24.95	NoLiq	0.00	24.95
36.85	-	-	-	25.02	NoLiq	0.00	25.02
36.90	-	-	-	25.08	NoLiq	0.00	25.08
36.95	-	-	-	25.15	NoLiq	0.00	25.15
37.00	-	-	-	25.22	NoLiq	0.00	25.22
37.05	-	-	-	25.28	NoLiq	0.00	25.28
37.10	-	-	-	25.35	NoLiq	0.00	25.35
37.15	-	-	-	25.42	NoLiq	0.00	25.42
37.20	-	-	-	25.48	NoLiq	0.00	25.48
37.25	-	-	-	25.55	NoLiq	0.00	25.55
37.30	-	-	-	25.61	NoLiq	0.00	25.61
37.35	-	-	-	25.68	NoLiq	0.00	25.68
37.40	-	-	-	25.75	NoLiq	0.00	25.75
37.45	-	-	-	25.81	NoLiq	0.00	25.81
37.50	-	-	-	25.88	NoLiq	0.00	25.88
37.55	-	-	-	25.94	NoLiq	0.00	25.94
37.60	-	-	-	26.01	NoLiq	0.00	26.01
37.65	-	-	-	26.08	NoLiq	0.00	26.08
37.70	-	-	-	26.14	NoLiq	0.00	26.14
37.75	-	-	-	26.21	NoLiq	0.00	26.21
37.80	-	-	-	26.27	NoLiq	0.00	26.27
37.85	-	-	-	26.34	NoLiq	0.00	26.34
37.90	-	-	-	26.40	NoLiq	0.00	26.40
37.95	-	-	-	26.47	NoLiq	0.00	26.47
38.00	-	-	-	26.53	NoLiq	0.00	26.53
38.05	-	-	-	26.60	NoLiq	0.00	26.60
38.10	-	-	-	26.66	NoLiq	0.00	26.66
38.15	-	-	-	26.73	NoLiq	0.00	26.73
38.20	-	-	-	26.79	NoLiq	0.00	26.79
38.25	-	-	-	26.86	NoLiq	0.00	26.86

38.30	-	-	-	26.92	NoLiq	0.00	26.92
38.35	-	-	-	26.99	NoLiq	0.00	26.99
38.40	-	-	-	27.05	NoLiq	0.00	27.05
38.45	-	-	-	27.12	NoLiq	0.00	27.12
38.50	-	-	-	27.18	NoLiq	0.00	27.18
38.55	-	-	-	27.25	NoLiq	0.00	27.25
38.60	-	-	-	27.31	NoLiq	0.00	27.31
38.65	-	-	-	27.38	NoLiq	0.00	27.38
38.70	-	-	-	27.44	NoLiq	0.00	27.44
38.75	-	-	-	27.51	NoLiq	0.00	27.51
38.80	-	-	-	27.57	NoLiq	0.00	27.57
38.85	-	-	-	27.63	NoLiq	0.00	27.63
38.90	-	-	-	27.70	NoLiq	0.00	27.70
38.95	-	-	-	27.76	NoLiq	0.00	27.76
39.00	-	-	-	27.83	NoLiq	0.00	27.83
39.05	-	-	-	27.89	NoLiq	0.00	27.89
39.10	-	-	-	27.95	NoLiq	0.00	27.95
39.15	-	-	-	28.02	NoLiq	0.00	28.02
39.20	-	-	-	28.08	NoLiq	0.00	28.08
39.25	-	-	-	28.15	NoLiq	0.00	28.15
39.30	-	-	-	28.21	NoLiq	0.00	28.21
39.35	-	-	-	28.27	NoLiq	0.00	28.27
39.40	-	-	-	28.34	NoLiq	0.00	28.34
39.45	-	-	-	28.40	NoLiq	0.00	28.40
39.50	-	-	-	28.46	NoLiq	0.00	28.46
39.55	-	-	-	28.53	NoLiq	0.00	28.53
39.60	-	-	-	28.59	NoLiq	0.00	28.59
39.65	-	-	-	28.65	NoLiq	0.00	28.65
39.70	-	-	-	28.72	NoLiq	0.00	28.72
39.75	-	-	-	28.78	NoLiq	0.00	28.78
39.80	-	-	-	28.84	NoLiq	0.00	28.84
39.85	-	-	-	28.91	NoLiq	0.00	28.91
39.90	-	-	-	28.97	NoLiq	0.00	28.97
39.95	-	-	-	29.03	NoLiq	0.00	29.03
40.00	-	-	-	29.10	NoLiq	0.00	29.10
40.05	-	-	-	29.08	NoLiq	0.00	29.08
40.10	-	-	-	29.07	99.10	0.00	29.07
40.15	-	-	-	29.06	98.15	0.00	29.06
40.20	-	-	-	29.05	97.20	0.00	29.05
40.25	-	-	-	29.04	96.25	0.00	29.04
40.30	-	-	-	29.03	95.29	0.00	29.03
40.35	-	-	-	29.02	94.34	0.00	29.02
40.40	-	-	-	29.01	93.39	0.00	29.01
40.45	-	-	-	28.99	92.44	0.00	28.99
40.50	-	-	-	28.98	91.49	0.00	28.98
40.55	-	-	-	28.97	90.53	0.00	28.97
40.60	-	-	-	28.96	89.58	0.00	28.96
40.65	-	-	-	28.95	88.63	0.00	28.95
40.70	-	-	-	28.94	87.68	0.00	28.94
40.75	-	-	-	28.93	86.73	0.00	28.93
40.80	-	-	-	28.92	85.77	0.00	28.92
40.85	-	-	-	28.90	84.82	0.00	28.90
40.90	-	-	-	28.89	83.87	0.00	28.89
40.95	-	-	-	28.88	82.92	0.00	28.88
41.00	-	-	-	28.87	81.97	0.00	28.87
41.05	-	-	-	28.86	81.01	0.00	28.86
41.10	-	-	-	28.85	80.06	0.00	28.85
41.15	-	-	-	28.84	79.11	0.00	28.84
41.20	-	-	-	28.83	78.16	0.00	28.83
41.25	-	-	-	28.81	77.21	0.00	28.81
41.30	-	-	-	28.80	76.25	0.00	28.80
41.35	-	-	-	28.79	75.30	0.00	28.79
41.40	-	-	-	28.78	74.35	0.00	28.78
41.45	-	-	-	28.77	73.40	0.00	28.77
41.50	-	-	-	28.76	72.45	0.00	28.76
41.55	-	-	-	28.75	71.49	0.00	28.75
41.60	-	-	-	28.74	70.54	0.00	28.74
41.65	-	-	-	28.73	69.59	0.00	28.73
41.70	-	-	-	28.71	68.64	0.00	28.71
41.75	-	-	-	28.70	67.69	0.00	28.70
41.80	-	-	-	28.69	66.74	0.00	28.69
41.85	-	-	-	28.68	65.78	0.00	28.68
41.90	-	-	-	28.67	64.83	0.00	28.67

41.95	-	-	-	28.66	63.88	0.00	28.66
42.00	-	-	-	28.65	62.93	0.00	28.65
42.05	-	-	-	28.64	61.98	0.00	28.64
42.10	-	-	-	28.63	61.02	0.00	28.63
42.15	-	-	-	28.61	60.07	0.00	28.61
42.20	-	-	-	28.60	59.12	0.00	28.60
42.25	-	-	-	28.59	58.17	0.00	28.59
42.30	-	-	-	28.58	57.22	0.00	28.58
42.35	-	-	-	28.57	56.26	0.00	28.57
42.40	-	-	-	28.56	55.31	0.00	28.56
42.45	-	-	-	28.55	54.36	0.00	28.55
42.50	-	-	-	28.54	53.41	0.00	28.54
42.55	-	-	-	28.53	52.46	0.00	28.53
42.60	-	-	-	28.52	51.50	0.00	28.52
42.65	-	-	-	28.50	50.55	0.00	28.50
42.70	-	-	-	28.49	49.60	0.00	28.49
42.75	-	-	-	28.48	48.65	0.00	28.48
42.80	-	-	-	28.47	47.70	0.00	28.47
42.85	-	-	-	28.46	46.74	0.00	28.46
42.90	-	-	-	28.45	45.79	0.00	28.45
42.95	-	-	-	28.44	44.84	0.00	28.44
43.00	-	-	-	28.43	43.89	0.00	28.43
43.05	-	-	-	28.42	42.94	0.00	28.42
43.10	-	-	-	28.40	41.98	0.00	28.40
43.15	-	-	-	28.39	41.03	0.00	28.39
43.20	-	-	-	28.38	40.08	0.00	28.38
43.25	-	-	-	28.37	39.13	0.00	28.37
43.30	-	-	-	28.36	38.18	0.00	28.36
43.35	-	-	-	28.35	37.22	0.00	28.35
43.40	-	-	-	28.34	36.27	0.00	28.34
43.45	-	-	-	28.33	35.32	0.00	28.33
43.50	-	-	-	28.10	34.37	0.00	28.10
43.55	-	-	-	27.88	33.42	0.00	27.88
43.60	-	-	-	27.66	32.46	0.00	27.66
43.65	-	-	-	27.44	31.51	0.00	27.44
43.70	-	-	-	27.22	30.56	0.00	27.22
43.75	-	-	-	26.99	29.61	0.00	26.99
43.80	-	-	-	26.77	28.66	0.00	26.77
43.85	-	-	-	26.54	27.70	0.00	26.54
43.90	-	-	-	26.30	26.75	0.00	26.30
43.95	-	-	-	26.06	25.80	0.00	26.06
44.00	-	-	-	25.81	24.85	0.00	25.81
44.05	-	-	-	25.56	23.90	0.00	25.56
44.10	-	-	-	25.30	22.94	0.00	25.30
44.15	-	-	-	25.04	21.99	0.00	25.04
44.20	-	-	-	24.76	21.04	0.00	24.76
44.25	-	-	-	24.47	20.09	0.00	24.47
44.30	-	-	-	24.17	19.14	0.00	24.17
44.35	-	-	-	23.85	18.18	0.00	23.85
44.40	-	-	-	23.52	17.23	0.00	23.52
44.45	-	-	-	23.17	16.28	0.00	23.17
44.50	-	-	-	22.80	15.33	0.00	22.80
44.55	-	-	-	22.41	14.38	0.00	22.41
44.60	-	-	-	22.01	13.42	0.00	22.01
44.65	-	-	-	21.59	12.47	0.00	21.59
44.70	-	-	-	21.16	11.52	0.00	21.16
44.75	-	-	-	20.73	10.57	0.00	20.73
44.80	-	-	-	20.32	9.62	0.00	20.32
44.85	-	-	-	19.95	8.66	0.00	19.95
44.90	-	-	-	19.63	7.71	0.00	19.63
44.95	-	-	-	19.40	6.76	0.00	19.40
45.00	-	-	-	19.26	5.81	0.00	19.26
45.05	-	-	-	19.82	5.80	0.00	19.82
45.10	-	-	-	20.39	5.80	0.00	20.39
45.15	-	-	-	20.95	5.80	0.00	20.95
45.20	-	-	-	21.52	5.80	0.00	21.52
45.25	-	-	-	22.08	5.80	0.00	22.08
45.30	-	-	-	22.65	5.80	0.00	22.65
45.35	-	-	-	23.21	5.80	0.00	23.21
45.40	-	-	-	23.78	5.80	0.00	23.78
45.45	-	-	-	24.34	5.80	0.00	24.34
45.50	-	-	-	24.90	5.80	0.00	24.90
45.55	-	-	-	25.47	5.80	0.00	25.47

45.60	-	-	-	26.03	5.80	0.00	26.03
45.65	-	-	-	26.59	5.80	0.00	26.59
45.70	-	-	-	27.15	5.80	0.00	27.15
45.75	-	-	-	27.71	5.80	0.00	27.71
45.80	-	-	-	28.27	5.80	0.00	28.27
45.85	-	-	-	28.83	5.80	0.00	28.83
45.90	-	-	-	29.39	5.80	0.00	29.39
45.95	-	-	-	29.95	5.80	0.00	29.95
46.00	-	-	-	30.51	5.80	0.00	30.51
46.05	-	-	-	31.06	5.80	0.00	31.06
46.10	-	-	-	31.62	5.80	0.00	31.62
46.15	-	-	-	32.18	5.80	0.00	32.18
46.20	-	-	-	32.73	5.80	0.00	32.73
46.25	-	-	-	33.29	5.80	0.00	33.29
46.30	-	-	-	33.84	5.80	0.00	33.84
46.35	-	-	-	34.40	5.80	0.00	34.40
46.40	-	-	-	34.95	5.80	0.00	34.95
46.45	-	-	-	35.50	5.80	0.00	35.50
46.50	-	-	-	36.06	5.80	0.00	36.06
46.55	-	-	-	36.61	5.80	0.00	36.61
46.60	-	-	-	37.16	5.80	0.00	37.16
46.65	-	-	-	37.71	5.80	0.00	37.71
46.70	-	-	-	38.26	5.80	0.00	38.26
46.75	-	-	-	38.81	5.80	0.00	38.81
46.80	-	-	-	39.36	5.80	0.00	39.36
46.85	-	-	-	39.91	5.80	0.00	39.91
46.90	-	-	-	40.46	5.80	0.00	40.46
46.95	-	-	-	41.01	5.80	0.00	41.01
47.00	-	-	-	41.56	5.80	0.00	41.56
47.05	-	-	-	42.10	5.80	0.00	42.10
47.10	-	-	-	42.65	5.80	0.00	42.65
47.15	-	-	-	43.20	5.80	0.00	43.20
47.20	-	-	-	43.74	5.80	0.00	43.74
47.25	-	-	-	44.29	5.80	0.00	44.29
47.30	-	-	-	44.83	5.80	0.00	44.83
47.35	-	-	-	45.38	5.80	0.00	45.38
47.40	-	-	-	45.92	5.80	0.00	45.92
47.45	-	-	-	46.47	5.80	0.00	46.47
47.50	-	-	-	47.01	5.80	0.00	47.01
47.55	-	-	-	47.55	5.80	0.00	47.55
47.60	-	-	-	48.09	5.80	0.00	48.09
47.65	-	-	-	48.64	5.80	0.00	48.64
47.70	-	-	-	49.18	5.80	0.00	49.18
47.75	-	-	-	49.72	5.80	0.00	49.72
47.80	-	-	-	50.26	5.80	0.00	50.26
47.85	-	-	-	50.80	5.80	0.00	50.80
47.90	-	-	-	51.34	5.80	0.00	51.34
47.95	-	-	-	51.88	5.80	0.00	51.88
48.00	-	-	-	52.41	5.80	0.00	52.41
48.05	-	-	-	52.95	5.80	0.00	52.95
48.10	-	-	-	53.49	5.80	0.00	53.49
48.15	-	-	-	54.03	5.80	0.00	54.03
48.20	-	-	-	54.56	5.80	0.00	54.56
48.25	-	-	-	55.10	5.80	0.00	55.10
48.30	-	-	-	55.63	5.80	0.00	55.63
48.35	-	-	-	56.17	5.80	0.00	56.17
48.40	-	-	-	56.70	5.80	0.00	56.70
48.45	-	-	-	57.24	5.80	0.00	57.24
48.50	-	-	-	57.77	5.80	0.00	57.77
48.55	-	-	-	58.30	5.80	0.00	58.30
48.60	-	-	-	58.84	5.80	0.00	58.84
48.65	-	-	-	59.37	5.80	0.00	59.37
48.70	-	-	-	59.90	5.80	0.00	59.90
48.75	-	-	-	60.43	5.80	0.00	60.43
48.80	-	-	-	60.96	5.80	0.00	60.96
48.85	-	-	-	61.49	5.80	0.00	61.49
48.90	-	-	-	62.02	5.80	0.00	62.02
48.95	-	-	-	62.55	5.80	0.00	62.55
49.00	-	-	-	63.08	5.80	0.00	63.08
49.05	-	-	-	63.61	5.80	0.00	63.61
49.10	-	-	-	64.14	5.80	0.00	64.14
49.15	-	-	-	64.67	5.80	0.00	64.67
49.20	-	-	-	65.19	5.80	0.00	65.19

49.25	-	-	-	65.72	5.80	0.00	65.72
49.30	-	-	-	66.25	5.80	0.00	66.25
49.35	-	-	-	66.77	5.80	0.00	66.77
49.40	-	-	-	67.30	5.80	0.00	67.30
49.45	-	-	-	67.82	5.80	0.00	67.82
49.50	-	-	-	68.35	5.80	0.00	68.35
49.55	-	-	-	68.87	5.80	0.00	68.87
49.60	-	-	-	69.40	5.80	0.00	69.40
49.65	-	-	-	69.92	5.80	0.00	69.92
49.70	-	-	-	70.44	5.80	0.00	70.44
49.75	-	-	-	70.97	5.80	0.00	70.97
49.80	-	-	-	71.49	5.80	0.00	71.49
49.85	-	-	-	72.01	5.80	0.00	72.01
49.90	-	-	-	72.53	5.80	0.00	72.53
49.95	-	-	-	73.05	5.80	0.00	73.05
50.00	-	-	-	73.57	5.80	0.00	73.57
50.05	-	-	-	73.55	5.80	0.00	73.55
50.10	-	-	-	73.51	5.80	0.00	73.51
50.15	-	-	-	73.48	5.80	0.00	73.48
50.20	-	-	-	73.45	5.80	0.00	73.45
50.25	-	-	-	73.42	5.80	0.00	73.42
50.30	-	-	-	73.39	5.80	0.00	73.39
50.35	-	-	-	73.36	5.80	0.00	73.36
50.40	-	-	-	73.32	5.80	0.00	73.32
50.45	-	-	-	73.29	5.80	0.00	73.29
50.50	-	-	-	73.26	5.80	0.00	73.26
50.55	-	-	-	73.23	5.80	0.00	73.23
50.60	-	-	-	73.20	5.80	0.00	73.20
50.65	-	-	-	73.17	5.80	0.00	73.17
50.70	-	-	-	73.14	5.80	0.00	73.14
50.75	-	-	-	73.11	5.80	0.00	73.11
50.80	-	-	-	73.07	5.80	0.00	73.07
50.85	-	-	-	73.04	5.80	0.00	73.04
50.90	-	-	-	73.01	5.80	0.00	73.01
50.95	-	-	-	72.98	5.80	0.00	72.98
51.00	-	-	-	72.95	5.80	0.00	72.95
51.05	-	-	-	72.92	5.80	0.00	72.92
51.10	-	-	-	72.89	5.80	0.00	72.89
51.15	-	-	-	72.86	5.80	0.00	72.86
51.20	-	-	-	72.82	5.80	0.00	72.82
51.25	-	-	-	72.79	5.80	0.00	72.79
51.30	-	-	-	72.76	5.80	0.00	72.76
51.35	-	-	-	72.73	5.80	0.00	72.73
51.40	-	-	-	72.70	5.80	0.00	72.70
51.45	-	-	-	72.67	5.80	0.00	72.67
51.50	-	-	-	72.64	5.80	0.00	72.64
51.55	-	-	-	72.61	5.80	0.00	72.61
51.60	-	-	-	72.58	5.80	0.00	72.58
51.65	-	-	-	72.54	5.80	0.00	72.54
51.70	-	-	-	72.51	5.80	0.00	72.51
51.75	-	-	-	72.48	5.80	0.00	72.48
51.80	-	-	-	72.45	5.80	0.00	72.45
51.85	-	-	-	72.42	5.80	0.00	72.42
51.90	-	-	-	72.39	5.80	0.00	72.39
51.95	-	-	-	72.36	5.80	0.00	72.36
52.00	-	-	-	72.33	5.80	0.00	72.33
52.05	-	-	-	72.30	5.80	0.00	72.30
52.10	-	-	-	72.27	5.80	0.00	72.27
52.15	-	-	-	72.24	5.80	0.00	72.24
52.20	-	-	-	72.21	5.80	0.00	72.21
52.25	-	-	-	72.18	5.80	0.00	72.18
52.30	-	-	-	72.14	5.80	0.00	72.14
52.35	-	-	-	72.11	5.80	0.00	72.11
52.40	-	-	-	72.08	5.80	0.00	72.08
52.45	-	-	-	72.05	5.80	0.00	72.05
52.50	-	-	-	72.02	5.80	0.00	72.02
52.55	-	-	-	71.99	5.80	0.00	71.99
52.60	-	-	-	71.96	5.80	0.00	71.96
52.65	-	-	-	71.93	5.80	0.00	71.93
52.70	-	-	-	71.90	5.80	0.00	71.90
52.75	-	-	-	71.87	5.80	0.00	71.87
52.80	-	-	-	71.84	5.80	0.00	71.84
52.85	-	-	-	71.81	5.80	0.00	71.81

52.90	-	-	-	71.78	5.80	0.00	71.78
52.95	-	-	-	71.75	5.80	0.00	71.75
53.00	-	-	-	71.72	5.80	0.00	71.72
53.05	-	-	-	71.69	5.80	0.00	71.69
53.10	-	-	-	71.66	5.80	0.00	71.66
53.15	-	-	-	71.63	5.80	0.00	71.63
53.20	-	-	-	71.60	5.80	0.00	71.60
53.25	-	-	-	71.57	5.80	0.00	71.57
53.30	-	-	-	71.53	5.80	0.00	71.53
53.35	-	-	-	71.50	5.80	0.00	71.50
53.40	-	-	-	71.47	5.80	0.00	71.47
53.45	-	-	-	71.44	5.80	0.00	71.44
53.50	-	-	-	71.41	5.80	0.00	71.41
53.55	-	-	-	71.38	5.80	0.00	71.38
53.60	-	-	-	71.35	5.80	0.00	71.35
53.65	-	-	-	71.32	5.80	0.00	71.32
53.70	-	-	-	71.29	5.80	0.00	71.29
53.75	-	-	-	71.26	5.80	0.00	71.26
53.80	-	-	-	71.23	5.80	0.00	71.23
53.85	-	-	-	71.20	5.80	0.00	71.20
53.90	-	-	-	71.17	5.80	0.00	71.17
53.95	-	-	-	71.14	5.80	0.00	71.14
54.00	-	-	-	71.11	5.80	0.00	71.11
54.05	-	-	-	71.08	5.80	0.00	71.08
54.10	-	-	-	71.05	5.80	0.00	71.05
54.15	-	-	-	71.02	5.80	0.00	71.02
54.20	-	-	-	70.99	5.80	0.00	70.99
54.25	-	-	-	70.96	5.80	0.00	70.96
54.30	-	-	-	70.93	5.80	0.00	70.93
54.35	-	-	-	70.90	5.80	0.00	70.90
54.40	-	-	-	70.87	5.80	0.00	70.87
54.45	-	-	-	70.84	5.80	0.00	70.84
54.50	-	-	-	70.81	5.80	0.00	70.81
54.55	-	-	-	70.78	5.80	0.00	70.78
54.60	-	-	-	70.75	5.80	0.00	70.75
54.65	-	-	-	70.72	5.80	0.00	70.72
54.70	-	-	-	70.69	5.80	0.00	70.69
54.75	-	-	-	70.67	5.80	0.00	70.67
54.80	-	-	-	70.64	5.80	0.00	70.64
54.85	-	-	-	70.61	5.80	0.00	70.61
54.90	-	-	-	70.58	5.80	0.00	70.58
54.95	-	-	-	70.55	5.80	0.00	70.55
55.00	-	-	-	70.52	5.80	0.00	70.52

(N1)60s has been fines corrected in liquefaction analysis, therefore d(N1)60=0.
Fines=NoLiq means the soils are not liquefiable.

Settlement of Saturated Sands:
Settlement Analysis Method: Tokimatsu, M-correction

Depth ft	CSRsf	/ MSF*	=CSRm	F.S.	Fines %	(N1)60s	Dr %	ec %	dsz in.	dsp in.	S in.
54.95	0.54	1.32	0.41	1.16	5.80	70.55	100.00	0.000	0.0E0	0.000	0.000
54.90	0.54	1.32	0.41	1.16	5.80	70.58	100.00	0.000	0.0E0	0.000	0.000
54.85	0.54	1.32	0.41	1.16	5.80	70.61	100.00	0.000	0.0E0	0.000	0.000
54.80	0.54	1.32	0.41	1.16	5.80	70.64	100.00	0.000	0.0E0	0.000	0.000
54.75	0.54	1.32	0.41	1.16	5.80	70.67	100.00	0.000	0.0E0	0.000	0.000
54.70	0.54	1.32	0.41	1.16	5.80	70.69	100.00	0.000	0.0E0	0.000	0.000
54.65	0.54	1.32	0.41	1.16	5.80	70.72	100.00	0.000	0.0E0	0.000	0.000
54.60	0.54	1.32	0.41	1.16	5.80	70.75	100.00	0.000	0.0E0	0.000	0.000
54.55	0.54	1.32	0.41	1.16	5.80	70.78	100.00	0.000	0.0E0	0.000	0.000
54.50	0.54	1.32	0.41	1.16	5.80	70.81	100.00	0.000	0.0E0	0.000	0.000
54.45	0.54	1.32	0.41	1.16	5.80	70.84	100.00	0.000	0.0E0	0.000	0.000
54.40	0.54	1.32	0.41	1.15	5.80	70.87	100.00	0.000	0.0E0	0.000	0.000
54.35	0.54	1.32	0.41	1.15	5.80	70.90	100.00	0.000	0.0E0	0.000	0.000
54.30	0.54	1.32	0.41	1.15	5.80	70.93	100.00	0.000	0.0E0	0.000	0.000
54.25	0.55	1.32	0.41	1.15	5.80	70.96	100.00	0.000	0.0E0	0.000	0.000
54.20	0.55	1.32	0.41	1.15	5.80	70.99	100.00	0.000	0.0E0	0.000	0.000
54.15	0.55	1.32	0.41	1.15	5.80	71.02	100.00	0.000	0.0E0	0.000	0.000
54.10	0.55	1.32	0.41	1.15	5.80	71.05	100.00	0.000	0.0E0	0.000	0.000
54.05	0.55	1.32	0.41	1.15	5.80	71.08	100.00	0.000	0.0E0	0.000	0.000
54.00	0.55	1.32	0.41	1.15	5.80	71.11	100.00	0.000	0.0E0	0.000	0.000

53.95	0.55	1.32	0.41	1.15	5.80	71.14	100.00	0.000	0.0E0	0.000	0.000
53.90	0.55	1.32	0.42	1.15	5.80	71.17	100.00	0.000	0.0E0	0.000	0.000
53.85	0.55	1.32	0.42	1.15	5.80	71.20	100.00	0.000	0.0E0	0.000	0.000
53.80	0.55	1.32	0.42	1.15	5.80	71.23	100.00	0.000	0.0E0	0.000	0.000
53.75	0.55	1.32	0.42	1.15	5.80	71.26	100.00	0.000	0.0E0	0.000	0.000
53.70	0.55	1.32	0.42	1.15	5.80	71.29	100.00	0.000	0.0E0	0.000	0.000
53.65	0.55	1.32	0.42	1.15	5.80	71.32	100.00	0.000	0.0E0	0.000	0.000
53.60	0.55	1.32	0.42	1.15	5.80	71.35	100.00	0.000	0.0E0	0.000	0.000
53.55	0.55	1.32	0.42	1.15	5.80	71.38	100.00	0.000	0.0E0	0.000	0.000
53.50	0.55	1.32	0.42	1.14	5.80	71.41	100.00	0.000	0.0E0	0.000	0.000
53.45	0.55	1.32	0.42	1.14	5.80	71.44	100.00	0.000	0.0E0	0.000	0.000
53.40	0.55	1.32	0.42	1.14	5.80	71.47	100.00	0.000	0.0E0	0.000	0.000
53.35	0.55	1.32	0.42	1.14	5.80	71.50	100.00	0.000	0.0E0	0.000	0.000
53.30	0.55	1.32	0.42	1.14	5.80	71.53	100.00	0.000	0.0E0	0.000	0.000
53.25	0.55	1.32	0.42	1.14	5.80	71.57	100.00	0.000	0.0E0	0.000	0.000
53.20	0.55	1.32	0.42	1.14	5.80	71.60	100.00	0.000	0.0E0	0.000	0.000
53.15	0.55	1.32	0.42	1.14	5.80	71.63	100.00	0.000	0.0E0	0.000	0.000
53.10	0.55	1.32	0.42	1.14	5.80	71.66	100.00	0.000	0.0E0	0.000	0.000
53.05	0.55	1.32	0.42	1.14	5.80	71.69	100.00	0.000	0.0E0	0.000	0.000
53.00	0.55	1.32	0.42	1.14	5.80	71.72	100.00	0.000	0.0E0	0.000	0.000
52.95	0.55	1.32	0.42	1.14	5.80	71.75	100.00	0.000	0.0E0	0.000	0.000
52.90	0.55	1.32	0.42	1.14	5.80	71.78	100.00	0.000	0.0E0	0.000	0.000
52.85	0.56	1.32	0.42	1.14	5.80	71.81	100.00	0.000	0.0E0	0.000	0.000
52.80	0.56	1.32	0.42	1.14	5.80	71.84	100.00	0.000	0.0E0	0.000	0.000
52.75	0.56	1.32	0.42	1.14	5.80	71.87	100.00	0.000	0.0E0	0.000	0.000
52.70	0.56	1.32	0.42	1.14	5.80	71.90	100.00	0.000	0.0E0	0.000	0.000
52.65	0.56	1.32	0.42	1.14	5.80	71.93	100.00	0.000	0.0E0	0.000	0.000
52.60	0.56	1.32	0.42	1.14	5.80	71.96	100.00	0.000	0.0E0	0.000	0.000
52.55	0.56	1.32	0.42	1.13	5.80	71.99	100.00	0.000	0.0E0	0.000	0.000
52.50	0.56	1.32	0.42	1.13	5.80	72.02	100.00	0.000	0.0E0	0.000	0.000
52.45	0.56	1.32	0.42	1.13	5.80	72.05	100.00	0.000	0.0E0	0.000	0.000
52.40	0.56	1.32	0.42	1.13	5.80	72.08	100.00	0.000	0.0E0	0.000	0.000
52.35	0.56	1.32	0.42	1.13	5.80	72.11	100.00	0.000	0.0E0	0.000	0.000
52.30	0.56	1.32	0.42	1.13	5.80	72.14	100.00	0.000	0.0E0	0.000	0.000
52.25	0.56	1.32	0.42	1.13	5.80	72.18	100.00	0.000	0.0E0	0.000	0.000
52.20	0.56	1.32	0.42	1.13	5.80	72.21	100.00	0.000	0.0E0	0.000	0.000
52.15	0.56	1.32	0.42	1.13	5.80	72.24	100.00	0.000	0.0E0	0.000	0.000
52.10	0.56	1.32	0.42	1.13	5.80	72.27	100.00	0.000	0.0E0	0.000	0.000
52.05	0.56	1.32	0.43	1.13	5.80	72.30	100.00	0.000	0.0E0	0.000	0.000
52.00	0.56	1.32	0.43	1.13	5.80	72.33	100.00	0.000	0.0E0	0.000	0.000
51.95	0.56	1.32	0.43	1.13	5.80	72.36	100.00	0.000	0.0E0	0.000	0.000
51.90	0.56	1.32	0.43	1.13	5.80	72.39	100.00	0.000	0.0E0	0.000	0.000
51.85	0.56	1.32	0.43	1.13	5.80	72.42	100.00	0.000	0.0E0	0.000	0.000
51.80	0.56	1.32	0.43	1.13	5.80	72.45	100.00	0.000	0.0E0	0.000	0.000
51.75	0.56	1.32	0.43	1.13	5.80	72.48	100.00	0.000	0.0E0	0.000	0.000
51.70	0.56	1.32	0.43	1.13	5.80	72.51	100.00	0.000	0.0E0	0.000	0.000
51.65	0.56	1.32	0.43	1.13	5.80	72.54	100.00	0.000	0.0E0	0.000	0.000
51.60	0.56	1.32	0.43	1.12	5.80	72.58	100.00	0.000	0.0E0	0.000	0.000
51.55	0.56	1.32	0.43	1.12	5.80	72.61	100.00	0.000	0.0E0	0.000	0.000
51.50	0.56	1.32	0.43	1.12	5.80	72.64	100.00	0.000	0.0E0	0.000	0.000
51.45	0.57	1.32	0.43	1.12	5.80	72.67	100.00	0.000	0.0E0	0.000	0.000
51.40	0.57	1.32	0.43	1.12	5.80	72.70	100.00	0.000	0.0E0	0.000	0.000
51.35	0.57	1.32	0.43	1.12	5.80	72.73	100.00	0.000	0.0E0	0.000	0.000
51.30	0.57	1.32	0.43	1.12	5.80	72.76	100.00	0.000	0.0E0	0.000	0.000
51.25	0.57	1.32	0.43	1.12	5.80	72.79	100.00	0.000	0.0E0	0.000	0.000
51.20	0.57	1.32	0.43	1.12	5.80	72.82	100.00	0.000	0.0E0	0.000	0.000
51.15	0.57	1.32	0.43	1.12	5.80	72.86	100.00	0.000	0.0E0	0.000	0.000
51.10	0.57	1.32	0.43	1.12	5.80	72.89	100.00	0.000	0.0E0	0.000	0.000
51.05	0.57	1.32	0.43	1.12	5.80	72.92	100.00	0.000	0.0E0	0.000	0.000
51.00	0.57	1.32	0.43	1.12	5.80	72.95	100.00	0.000	0.0E0	0.000	0.000
50.95	0.57	1.32	0.43	1.12	5.80	72.98	100.00	0.000	0.0E0	0.000	0.000
50.90	0.57	1.32	0.43	1.12	5.80	73.01	100.00	0.000	0.0E0	0.000	0.000
50.85	0.57	1.32	0.43	1.12	5.80	73.04	100.00	0.000	0.0E0	0.000	0.000
50.80	0.57	1.32	0.43	1.12	5.80	73.07	100.00	0.000	0.0E0	0.000	0.000
50.75	0.57	1.32	0.43	1.12	5.80	73.11	100.00	0.000	0.0E0	0.000	0.000
50.70	0.57	1.32	0.43	1.12	5.80	73.14	100.00	0.000	0.0E0	0.000	0.000
50.65	0.57	1.32	0.43	1.11	5.80	73.17	100.00	0.000	0.0E0	0.000	0.000
50.60	0.57	1.32	0.43	1.11	5.80	73.20	100.00	0.000	0.0E0	0.000	0.000
50.55	0.57	1.32	0.43	1.11	5.80	73.23	100.00	0.000	0.0E0	0.000	0.000
50.50	0.57	1.32	0.43	1.11	5.80	73.26	100.00	0.000	0.0E0	0.000	0.000
50.45	0.57	1.32	0.43	1.11	5.80	73.29	100.00	0.000	0.0E0	0.000	0.000
50.40	0.57	1.32	0.43	1.11	5.80	73.32	100.00	0.000	0.0E0	0.000	0.000
50.35	0.57	1.32	0.43	1.11	5.80	73.36	100.00	0.000	0.0E0	0.000	0.000

50.30	0.57	1.32	0.43	1.11	5.80	73.39	100.00	0.000	0.0E0	0.000	0.000
50.25	0.57	1.32	0.43	1.11	5.80	73.42	100.00	0.000	0.0E0	0.000	0.000
50.20	0.57	1.32	0.44	1.11	5.80	73.45	100.00	0.000	0.0E0	0.000	0.000
50.15	0.57	1.32	0.44	1.11	5.80	73.48	100.00	0.000	0.0E0	0.000	0.000
50.10	0.57	1.32	0.44	1.11	5.80	73.51	100.00	0.000	0.0E0	0.000	0.000
50.05	0.57	1.32	0.44	1.11	5.80	73.55	100.00	0.000	0.0E0	0.000	0.000
50.00	0.58	1.32	0.44	1.11	5.80	73.57	100.00	0.000	0.0E0	0.000	0.000
49.95	0.58	1.32	0.44	1.11	5.80	73.05	100.00	0.000	0.0E0	0.000	0.000
49.90	0.58	1.32	0.44	1.11	5.80	72.53	100.00	0.000	0.0E0	0.000	0.000
49.85	0.58	1.32	0.44	1.11	5.80	72.01	100.00	0.000	0.0E0	0.000	0.000
49.80	0.58	1.32	0.44	1.11	5.80	71.49	100.00	0.000	0.0E0	0.000	0.000
49.75	0.58	1.32	0.44	1.11	5.80	70.97	100.00	0.000	0.0E0	0.000	0.000
49.70	0.58	1.32	0.44	1.11	5.80	70.44	100.00	0.000	0.0E0	0.000	0.000
49.65	0.58	1.32	0.44	1.10	5.80	69.92	100.00	0.000	0.0E0	0.000	0.000
49.60	0.58	1.32	0.44	1.10	5.80	69.40	100.00	0.000	0.0E0	0.000	0.000
49.55	0.58	1.32	0.44	1.10	5.80	68.87	100.00	0.000	0.0E0	0.000	0.000
49.50	0.58	1.32	0.44	1.10	5.80	68.35	100.00	0.000	0.0E0	0.000	0.000
49.45	0.58	1.32	0.44	1.10	5.80	67.82	100.00	0.000	0.0E0	0.000	0.000
49.40	0.58	1.32	0.44	1.10	5.80	67.30	100.00	0.000	0.0E0	0.000	0.000
49.35	0.58	1.32	0.44	1.10	5.80	66.77	100.00	0.000	0.0E0	0.000	0.000
49.30	0.58	1.32	0.44	1.10	5.80	66.25	100.00	0.000	0.0E0	0.000	0.000
49.25	0.58	1.32	0.44	1.10	5.80	65.72	100.00	0.000	0.0E0	0.000	0.000
49.20	0.58	1.32	0.44	1.10	5.80	65.19	100.00	0.000	0.0E0	0.000	0.000
49.15	0.58	1.32	0.44	1.10	5.80	64.67	100.00	0.000	0.0E0	0.000	0.000
49.10	0.58	1.32	0.44	1.10	5.80	64.14	100.00	0.000	0.0E0	0.000	0.000
49.05	0.58	1.32	0.44	1.10	5.80	63.61	100.00	0.000	0.0E0	0.000	0.000
49.00	0.58	1.32	0.44	1.10	5.80	63.08	100.00	0.000	0.0E0	0.000	0.000
48.95	0.58	1.32	0.44	1.10	5.80	62.55	100.00	0.000	0.0E0	0.000	0.000
48.90	0.58	1.32	0.44	1.10	5.80	62.02	100.00	0.000	0.0E0	0.000	0.000
48.85	0.58	1.32	0.44	1.10	5.80	61.49	100.00	0.000	0.0E0	0.000	0.000
48.80	0.58	1.32	0.44	1.10	5.80	60.96	100.00	0.000	0.0E0	0.000	0.000
48.75	0.58	1.32	0.44	1.10	5.80	60.43	100.00	0.000	0.0E0	0.000	0.000
48.70	0.58	1.32	0.44	1.10	5.80	59.90	100.00	0.000	0.0E0	0.000	0.000
48.65	0.58	1.32	0.44	1.10	5.80	59.37	100.00	0.000	0.0E0	0.000	0.000
48.60	0.59	1.32	0.44	1.09	5.80	58.84	100.00	0.000	0.0E0	0.000	0.000
48.55	0.59	1.32	0.44	1.09	5.80	58.30	100.00	0.000	0.0E0	0.000	0.000
48.50	0.59	1.32	0.44	1.09	5.80	57.77	100.00	0.000	0.0E0	0.000	0.000
48.45	0.59	1.32	0.44	1.09	5.80	57.24	100.00	0.000	0.0E0	0.000	0.000
48.40	0.59	1.32	0.44	1.09	5.80	56.70	100.00	0.000	0.0E0	0.000	0.000
48.35	0.59	1.32	0.45	1.09	5.80	56.17	100.00	0.000	0.0E0	0.000	0.000
48.30	0.59	1.32	0.45	1.09	5.80	55.63	100.00	0.000	0.0E0	0.000	0.000
48.25	0.59	1.32	0.45	1.09	5.80	55.10	100.00	0.000	0.0E0	0.000	0.000
48.20	0.59	1.32	0.45	1.09	5.80	54.56	100.00	0.000	0.0E0	0.000	0.000
48.15	0.59	1.32	0.45	1.09	5.80	54.03	100.00	0.000	0.0E0	0.000	0.000
48.10	0.59	1.32	0.45	1.09	5.80	53.49	100.00	0.000	0.0E0	0.000	0.000
48.05	0.59	1.32	0.45	1.09	5.80	52.95	100.00	0.000	0.0E0	0.000	0.000
48.00	0.59	1.32	0.45	1.09	5.80	52.41	100.00	0.000	0.0E0	0.000	0.000
47.95	0.59	1.32	0.45	1.09	5.80	51.88	100.00	0.000	0.0E0	0.000	0.000
47.90	0.59	1.32	0.45	1.09	5.80	51.34	100.00	0.000	0.0E0	0.000	0.000
47.85	0.59	1.32	0.45	1.09	5.80	50.80	100.00	0.000	0.0E0	0.000	0.000
47.80	0.59	1.32	0.45	1.09	5.80	50.26	100.00	0.000	0.0E0	0.000	0.000
47.75	0.59	1.32	0.45	1.09	5.80	49.72	100.00	0.000	0.0E0	0.000	0.000
47.70	0.59	1.32	0.45	1.09	5.80	49.18	100.00	0.000	0.0E0	0.000	0.000
47.65	0.59	1.32	0.45	1.09	5.80	48.64	100.00	0.000	0.0E0	0.000	0.000
47.60	0.59	1.32	0.45	1.08	5.80	48.09	100.00	0.000	0.0E0	0.000	0.000
47.55	0.59	1.32	0.45	1.08	5.80	47.55	100.00	0.000	0.0E0	0.000	0.000
47.50	0.59	1.32	0.45	1.08	5.80	47.01	100.00	0.000	0.0E0	0.000	0.000
47.45	0.59	1.32	0.45	1.08	5.80	46.47	100.00	0.000	0.0E0	0.000	0.000
47.40	0.59	1.32	0.45	1.08	5.80	45.92	100.00	0.000	0.0E0	0.000	0.000
47.35	0.59	1.32	0.45	1.08	5.80	45.38	100.00	0.000	0.0E0	0.000	0.000
47.30	0.59	1.32	0.45	1.08	5.80	44.83	100.00	0.000	0.0E0	0.000	0.000
47.25	0.59	1.32	0.45	1.08	5.80	44.29	100.00	0.000	0.0E0	0.000	0.000
47.20	0.60	1.32	0.45	1.08	5.80	43.74	100.00	0.000	0.0E0	0.000	0.000
47.15	0.60	1.32	0.45	1.08	5.80	43.20	100.00	0.000	0.0E0	0.000	0.000
47.10	0.60	1.32	0.45	1.08	5.80	42.65	100.00	0.000	0.0E0	0.000	0.000
47.05	0.60	1.32	0.45	1.08	5.80	42.10	100.00	0.000	0.0E0	0.000	0.000
47.00	0.60	1.32	0.45	1.08	5.80	41.56	100.00	0.000	0.0E0	0.000	0.000
46.95	0.60	1.32	0.45	1.08	5.80	41.01	100.00	0.000	0.0E0	0.000	0.000
46.90	0.60	1.32	0.45	1.08	5.80	40.46	100.00	0.000	0.0E0	0.000	0.000
46.85	0.60	1.32	0.45	1.08	5.80	39.91	100.00	0.000	0.0E0	0.000	0.000
46.80	0.60	1.32	0.45	1.08	5.80	39.36	100.00	0.000	0.0E0	0.000	0.000
46.75	0.60	1.32	0.45	1.08	5.80	38.81	100.00	0.000	0.0E0	0.000	0.000
46.70	0.60	1.32	0.45	1.08	5.80	38.26	100.00	0.000	0.0E0	0.000	0.000

46.65	0.60	1.32	0.45	1.08	5.80	37.71	100.00	0.000	0.0E0	0.000	0.000
46.60	0.60	1.32	0.45	1.08	5.80	37.16	100.00	0.000	0.0E0	0.000	0.000
46.55	0.60	1.32	0.45	1.07	5.80	36.61	100.00	0.000	0.0E0	0.000	0.000
46.50	0.60	1.32	0.46	1.07	5.80	36.06	100.00	0.000	0.0E0	0.000	0.000
46.45	0.60	1.32	0.46	1.07	5.80	35.50	100.00	0.000	0.0E0	0.000	0.000
46.40	0.60	1.32	0.46	1.07	5.80	34.95	100.00	0.119	7.1E-4	0.001	0.001
46.35	0.60	1.32	0.46	1.07	5.80	34.40	100.00	0.141	8.5E-4	0.001	0.002
46.30	0.60	1.32	0.46	1.07	5.80	33.84	99.47	0.164	9.8E-4	0.001	0.003
46.25	0.60	1.32	0.46	1.07	5.80	33.29	98.01	0.186	1.1E-3	0.001	0.004
46.20	0.60	1.32	0.46	1.07	5.80	32.73	96.59	0.251	1.5E-3	0.002	0.005
46.15	0.60	1.32	0.46	1.07	5.80	32.18	95.20	0.388	2.3E-3	0.002	0.007
46.10	0.60	1.32	0.46	1.07	5.80	31.62	93.84	0.513	3.1E-3	0.003	0.011
46.05	0.60	1.32	0.46	1.07	5.80	31.06	92.51	0.583	3.5E-3	0.003	0.014
46.00	0.60	1.32	0.46	1.07	5.80	30.51	91.21	0.653	3.9E-3	0.004	0.018
45.95	0.60	1.32	0.46	0.96	5.80	29.95	89.94	0.723	4.3E-3	0.004	0.022
45.90	0.60	1.32	0.46	0.84	5.80	29.39	88.69	0.793	4.8E-3	0.005	0.027
45.85	0.61	1.32	0.46	0.79	5.80	28.83	87.48	0.863	5.2E-3	0.005	0.032
45.80	0.61	1.32	0.46	0.75	5.80	28.27	86.28	0.933	5.6E-3	0.006	0.038
45.75	0.61	1.32	0.46	0.72	5.80	27.71	85.11	1.001	6.0E-3	0.006	0.044
45.70	0.61	1.32	0.46	0.69	5.80	27.15	83.96	1.038	6.2E-3	0.006	0.050
45.65	0.61	1.32	0.46	0.66	5.80	26.59	82.83	1.074	6.4E-3	0.006	0.057
45.60	0.61	1.32	0.46	0.64	5.80	26.03	81.71	1.110	6.7E-3	0.007	0.063
45.55	0.61	1.32	0.46	0.62	5.80	25.47	80.62	1.146	6.9E-3	0.007	0.070
45.50	0.61	1.32	0.46	0.60	5.80	24.90	79.53	1.183	7.1E-3	0.007	0.077
45.45	0.61	1.32	0.46	0.58	5.80	24.34	78.47	1.219	7.3E-3	0.007	0.084
45.40	0.61	1.32	0.46	0.56	5.80	23.78	77.41	1.255	7.5E-3	0.008	0.092
45.35	0.61	1.32	0.46	0.54	5.80	23.21	76.37	1.291	7.7E-3	0.008	0.100
45.30	0.61	1.32	0.46	0.53	5.80	22.65	75.33	1.328	8.0E-3	0.008	0.108
45.25	0.61	1.32	0.46	0.51	5.80	22.08	74.30	1.364	8.2E-3	0.008	0.116
45.20	0.61	1.32	0.46	0.50	5.80	21.52	73.27	1.400	8.4E-3	0.008	0.124
45.15	0.61	1.32	0.46	0.48	5.80	20.95	72.25	1.437	8.6E-3	0.009	0.133
45.10	0.61	1.32	0.46	0.47	5.80	20.39	71.23	1.473	8.8E-3	0.009	0.142
45.05	0.61	1.32	0.46	0.45	5.80	19.82	70.21	1.512	9.1E-3	0.009	0.151
45.00	0.61	1.32	0.46	0.44	5.81	19.26	69.20	1.557	9.3E-3	0.009	0.160
44.95	0.61	1.32	0.46	0.44	6.76	19.40	69.46	1.545	9.3E-3	0.009	0.169
44.90	0.61	1.32	0.46	0.45	7.71	19.63	69.88	1.527	9.2E-3	0.009	0.179
44.85	0.61	1.32	0.46	0.46	8.66	19.95	70.44	1.502	9.0E-3	0.009	0.188
44.80	0.61	1.32	0.46	0.47	9.62	20.32	71.11	1.478	8.9E-3	0.009	0.196
44.75	0.61	1.32	0.46	0.48	10.57	20.73	71.86	1.451	8.7E-3	0.009	0.205
44.70	0.61	1.32	0.47	0.49	11.52	21.16	72.63	1.424	8.5E-3	0.009	0.214
44.65	0.61	1.32	0.47	0.50	12.47	21.59	73.40	1.396	8.4E-3	0.008	0.222
44.60	0.61	1.32	0.47	0.51	13.42	22.01	74.16	1.369	8.2E-3	0.008	0.230
44.55	0.61	1.32	0.47	0.52	14.38	22.41	74.90	1.344	8.1E-3	0.008	0.238
44.50	0.62	1.32	0.47	0.53	15.33	22.80	75.61	1.319	7.9E-3	0.008	0.246
44.45	0.62	1.32	0.47	0.54	16.28	23.17	76.28	1.295	7.8E-3	0.008	0.254
44.40	0.62	1.32	0.47	0.55	17.23	23.52	76.93	1.273	7.6E-3	0.008	0.262
44.35	0.62	1.32	0.47	0.56	18.18	23.85	77.55	1.252	7.5E-3	0.008	0.269
44.30	0.62	1.32	0.47	0.57	19.14	24.17	78.14	1.232	7.4E-3	0.007	0.277
44.25	0.62	1.32	0.47	0.58	20.09	24.47	78.71	1.212	7.3E-3	0.007	0.284
44.20	0.62	1.32	0.47	0.59	21.04	24.76	79.26	1.194	7.2E-3	0.007	0.291
44.15	0.62	1.32	0.47	0.60	21.99	25.04	79.79	1.176	7.1E-3	0.007	0.298
44.10	0.62	1.32	0.47	0.61	22.94	25.30	80.30	1.159	7.0E-3	0.007	0.305
44.05	0.62	1.32	0.47	0.61	23.90	25.56	80.80	1.143	6.9E-3	0.007	0.312
44.00	0.62	1.32	0.47	0.62	24.85	25.81	81.29	1.127	6.8E-3	0.007	0.319
43.95	0.62	1.32	0.47	0.63	25.80	26.06	81.77	1.111	6.7E-3	0.007	0.325
43.90	0.62	1.32	0.47	0.64	26.75	26.30	82.25	1.096	6.6E-3	0.007	0.332
43.85	0.62	1.32	0.47	0.65	27.70	26.54	82.72	1.081	6.5E-3	0.006	0.338
43.80	0.62	1.32	0.47	0.66	28.66	26.77	83.18	1.066	6.4E-3	0.006	0.345
43.75	0.62	1.32	0.47	0.67	29.61	26.99	83.64	1.052	6.3E-3	0.006	0.351
43.70	0.62	1.32	0.47	0.68	30.56	27.22	84.10	1.038	6.2E-3	0.006	0.357
43.65	0.62	1.32	0.47	0.69	31.51	27.44	84.55	1.024	6.1E-3	0.006	0.363
43.60	0.62	1.32	0.47	0.70	32.46	27.66	85.01	1.010	6.1E-3	0.006	0.370
43.55	0.62	1.32	0.47	0.71	33.42	27.88	85.46	0.992	5.9E-3	0.006	0.375
43.50	0.62	1.32	0.47	0.72	34.37	28.10	85.92	0.965	5.8E-3	0.006	0.381
43.45	0.62	1.32	0.47	0.74	35.32	28.33	86.40	0.937	5.6E-3	0.006	0.387
43.40	0.62	1.32	0.47	0.74	36.27	28.34	86.42	0.936	5.6E-3	0.006	0.393
43.35	0.62	1.32	0.47	0.74	37.22	28.35	86.45	0.935	5.6E-3	0.006	0.398
43.30	0.62	1.32	0.47	0.74	38.18	28.36	86.47	0.934	5.6E-3	0.006	0.404
43.25	0.62	1.32	0.47	0.74	39.13	28.37	86.49	0.933	5.6E-3	0.006	0.409
43.20	0.62	1.32	0.47	0.74	40.08	28.38	86.52	0.931	5.6E-3	0.006	0.415
43.15	0.63	1.32	0.47	0.74	41.03	28.39	86.54	0.930	5.6E-3	0.006	0.420
43.10	0.63	1.32	0.47	0.74	41.98	28.40	86.56	0.929	5.6E-3	0.006	0.426
43.05	0.63	1.32	0.47	0.74	42.94	28.42	86.59	0.928	5.6E-3	0.006	0.432

43.00	0.63	1.32	0.47	0.74	43.89	28.43	86.61	0.927	5.6E-3	0.006	0.437
42.95	0.63	1.32	0.47	0.74	44.84	28.44	86.63	0.926	5.6E-3	0.006	0.443
42.90	0.63	1.32	0.48	0.74	45.79	28.45	86.66	0.925	5.5E-3	0.006	0.448
42.85	0.63	1.32	0.48	0.74	46.74	28.46	86.68	0.924	5.5E-3	0.006	0.454
42.80	0.63	1.32	0.48	0.74	47.70	28.47	86.70	0.922	5.5E-3	0.006	0.459
42.75	0.63	1.32	0.48	0.74	48.65	28.48	86.73	0.921	5.5E-3	0.006	0.465
42.70	0.63	1.32	0.48	0.74	49.60	28.49	86.75	0.920	5.5E-3	0.006	0.470
42.65	0.63	1.32	0.48	0.74	50.55	28.50	86.78	0.919	5.5E-3	0.006	0.476
42.60	0.63	1.32	0.48	0.74	51.50	28.52	86.80	0.918	5.5E-3	0.006	0.481
42.55	0.63	1.32	0.48	0.74	52.46	28.53	86.82	0.917	5.5E-3	0.006	0.487
42.50	0.63	1.32	0.48	0.74	53.41	28.54	86.85	0.916	5.5E-3	0.005	0.492
42.45	0.63	1.32	0.48	0.74	54.36	28.55	86.87	0.914	5.5E-3	0.005	0.498
42.40	0.63	1.32	0.48	0.74	55.31	28.56	86.89	0.913	5.5E-3	0.005	0.503
42.35	0.63	1.32	0.48	0.75	56.26	28.57	86.92	0.912	5.5E-3	0.005	0.509
42.30	0.63	1.32	0.48	0.75	57.22	28.58	86.94	0.911	5.5E-3	0.005	0.514
42.25	0.63	1.32	0.48	0.75	58.17	28.59	86.96	0.910	5.5E-3	0.005	0.520
42.20	0.63	1.32	0.48	0.75	59.12	28.60	86.99	0.909	5.5E-3	0.005	0.525
42.15	0.63	1.32	0.48	0.75	60.07	28.61	87.01	0.908	5.4E-3	0.005	0.531
42.10	0.63	1.32	0.48	0.75	61.02	28.63	87.04	0.906	5.4E-3	0.005	0.536
42.05	0.63	1.32	0.48	0.75	61.98	28.64	87.06	0.905	5.4E-3	0.005	0.542
42.00	0.63	1.32	0.48	0.75	62.93	28.65	87.08	0.904	5.4E-3	0.005	0.547
41.95	0.63	1.32	0.48	0.75	63.88	28.66	87.11	0.903	5.4E-3	0.005	0.552
41.90	0.63	1.32	0.48	0.75	64.83	28.67	87.13	0.902	5.4E-3	0.005	0.558
41.85	0.63	1.32	0.48	0.75	65.78	28.68	87.15	0.901	5.4E-3	0.005	0.563
41.80	0.63	1.32	0.48	0.75	66.74	28.69	87.18	0.900	5.4E-3	0.005	0.569
41.75	0.64	1.32	0.48	0.75	67.69	28.70	87.20	0.898	5.4E-3	0.005	0.574
41.70	0.64	1.32	0.48	0.75	68.64	28.71	87.23	0.897	5.4E-3	0.005	0.579
41.65	0.64	1.32	0.48	0.75	69.59	28.73	87.25	0.896	5.4E-3	0.005	0.585
41.60	0.64	1.32	0.48	0.75	70.54	28.74	87.27	0.895	5.4E-3	0.005	0.590
41.55	0.64	1.32	0.48	0.75	71.49	28.75	87.30	0.894	5.4E-3	0.005	0.596
41.50	0.64	1.32	0.48	0.75	72.45	28.76	87.32	0.893	5.4E-3	0.005	0.601
41.45	0.64	1.32	0.48	0.75	73.40	28.77	87.35	0.892	5.3E-3	0.005	0.606
41.40	0.64	1.32	0.48	0.75	74.35	28.78	87.37	0.890	5.3E-3	0.005	0.612
41.35	0.64	1.32	0.48	0.75	75.30	28.79	87.39	0.889	5.3E-3	0.005	0.617
41.30	0.64	1.32	0.48	0.76	76.25	28.80	87.42	0.888	5.3E-3	0.005	0.622
41.25	0.64	1.32	0.48	0.76	77.21	28.81	87.44	0.887	5.3E-3	0.005	0.628
41.20	0.64	1.32	0.48	0.76	78.16	28.83	87.47	0.886	5.3E-3	0.005	0.633
41.15	0.64	1.32	0.48	0.76	79.11	28.84	87.49	0.885	5.3E-3	0.005	0.638
41.10	0.64	1.32	0.48	0.76	80.06	28.85	87.51	0.883	5.3E-3	0.005	0.643
41.05	0.64	1.32	0.49	0.76	81.01	28.86	87.54	0.882	5.3E-3	0.005	0.649
41.00	0.64	1.32	0.49	0.76	81.97	28.87	87.56	0.881	5.3E-3	0.005	0.654
40.95	0.64	1.32	0.49	0.76	82.92	28.88	87.59	0.880	5.3E-3	0.005	0.659
40.90	0.64	1.32	0.49	0.76	83.87	28.89	87.61	0.879	5.3E-3	0.005	0.665
40.85	0.64	1.32	0.49	0.76	84.82	28.90	87.64	0.878	5.3E-3	0.005	0.670
40.80	0.64	1.32	0.49	0.76	85.77	28.92	87.66	0.876	5.3E-3	0.005	0.675
40.75	0.64	1.32	0.49	0.76	86.73	28.93	87.68	0.875	5.3E-3	0.005	0.680
40.70	0.64	1.32	0.49	0.76	87.68	28.94	87.71	0.874	5.2E-3	0.005	0.686
40.65	0.64	1.32	0.49	0.76	88.63	28.95	87.73	0.873	5.2E-3	0.005	0.691
40.60	0.64	1.32	0.49	0.76	89.58	28.96	87.76	0.872	5.2E-3	0.005	0.696
40.55	0.64	1.32	0.49	0.76	90.53	28.97	87.78	0.870	5.2E-3	0.005	0.701
40.50	0.64	1.32	0.49	0.76	91.49	28.98	87.81	0.869	5.2E-3	0.005	0.707
40.45	0.64	1.32	0.49	0.77	92.44	28.99	87.83	0.868	5.2E-3	0.005	0.712
40.40	0.64	1.32	0.49	0.77	93.39	29.01	87.85	0.867	5.2E-3	0.005	0.717
40.35	0.65	1.32	0.49	0.77	94.34	29.02	87.88	0.866	5.2E-3	0.005	0.722
40.30	0.65	1.32	0.49	0.77	95.29	29.03	87.90	0.864	5.2E-3	0.005	0.727
40.25	0.65	1.32	0.49	0.77	96.25	29.04	87.93	0.863	5.2E-3	0.005	0.732
40.20	0.65	1.32	0.49	0.77	97.20	29.05	87.95	0.862	5.2E-3	0.005	0.738
40.15	0.65	1.32	0.49	0.77	98.15	29.06	87.98	0.861	5.2E-3	0.005	0.743
40.10	0.65	1.32	0.49	0.77	99.10	29.07	88.00	0.860	5.2E-3	0.005	0.748
40.05	0.65	1.32	0.49	0.77	NoLiq	29.08	88.03	0.859	0.0E0	0.000	0.748
40.00	0.65	1.32	0.49	5.00	NoLiq	29.10	88.05	0.857	0.0E0	0.000	0.748
39.95	0.65	1.32	0.49	5.00	NoLiq	29.03	87.91	0.865	0.0E0	0.000	0.748
39.90	0.65	1.32	0.49	5.00	NoLiq	28.97	87.78	0.874	0.0E0	0.000	0.748
39.85	0.65	1.32	0.49	5.00	NoLiq	28.91	87.64	0.882	0.0E0	0.000	0.748
39.80	0.65	1.32	0.49	5.00	NoLiq	28.84	87.50	0.890	0.0E0	0.000	0.748
39.75	0.65	1.32	0.49	5.00	NoLiq	28.78	87.37	0.898	0.0E0	0.000	0.748
39.70	0.65	1.32	0.49	5.00	NoLiq	28.72	87.23	0.906	0.0E0	0.000	0.748
39.65	0.65	1.32	0.49	5.00	NoLiq	28.65	87.10	0.914	0.0E0	0.000	0.748
39.60	0.65	1.32	0.49	5.00	NoLiq	28.59	86.96	0.922	0.0E0	0.000	0.748
39.55	0.65	1.32	0.49	5.00	NoLiq	28.53	86.82	0.931	0.0E0	0.000	0.748
39.50	0.65	1.32	0.49	5.00	NoLiq	28.46	86.69	0.939	0.0E0	0.000	0.748
39.45	0.65	1.32	0.49	5.00	NoLiq	28.40	86.55	0.947	0.0E0	0.000	0.748
39.40	0.65	1.32	0.49	5.00	NoLiq	28.34	86.42	0.955	0.0E0	0.000	0.748

39.35	0.65	1.32	0.49	5.00	NoLiq	28.27	86.28	0.963	0.0E0	0.000	0.748
39.30	0.65	1.32	0.49	5.00	NoLiq	28.21	86.15	0.972	0.0E0	0.000	0.748
39.25	0.65	1.32	0.49	5.00	NoLiq	28.15	86.02	0.980	0.0E0	0.000	0.748
39.20	0.65	1.32	0.50	5.00	NoLiq	28.08	85.88	0.988	0.0E0	0.000	0.748
39.15	0.65	1.32	0.50	5.00	NoLiq	28.02	85.75	0.997	0.0E0	0.000	0.748
39.10	0.65	1.32	0.50	5.00	NoLiq	27.95	85.61	1.002	0.0E0	0.000	0.748
39.05	0.65	1.32	0.50	5.00	NoLiq	27.89	85.48	1.007	0.0E0	0.000	0.748
39.00	0.65	1.32	0.50	5.00	NoLiq	27.83	85.35	1.011	0.0E0	0.000	0.748
38.95	0.65	1.32	0.50	5.00	NoLiq	27.76	85.21	1.015	0.0E0	0.000	0.748
38.90	0.66	1.32	0.50	5.00	NoLiq	27.70	85.08	1.019	0.0E0	0.000	0.748
38.85	0.66	1.32	0.50	5.00	NoLiq	27.63	84.95	1.023	0.0E0	0.000	0.748
38.80	0.66	1.32	0.50	5.00	NoLiq	27.57	84.82	1.027	0.0E0	0.000	0.748
38.75	0.66	1.32	0.50	5.00	NoLiq	27.51	84.68	1.032	0.0E0	0.000	0.748
38.70	0.66	1.32	0.50	5.00	NoLiq	27.44	84.55	1.036	0.0E0	0.000	0.748
38.65	0.66	1.32	0.50	5.00	NoLiq	27.38	84.42	1.040	0.0E0	0.000	0.748
38.60	0.66	1.32	0.50	5.00	NoLiq	27.31	84.29	1.044	0.0E0	0.000	0.748
38.55	0.66	1.32	0.50	5.00	NoLiq	27.25	84.15	1.048	0.0E0	0.000	0.748
38.50	0.66	1.32	0.50	5.00	NoLiq	27.18	84.02	1.052	0.0E0	0.000	0.748
38.45	0.66	1.32	0.50	5.00	NoLiq	27.12	83.89	1.057	0.0E0	0.000	0.748
38.40	0.66	1.32	0.50	5.00	NoLiq	27.05	83.76	1.061	0.0E0	0.000	0.748
38.35	0.66	1.32	0.50	5.00	NoLiq	26.99	83.63	1.065	0.0E0	0.000	0.748
38.30	0.66	1.32	0.50	5.00	NoLiq	26.92	83.50	1.069	0.0E0	0.000	0.748
38.25	0.66	1.32	0.50	5.00	NoLiq	26.86	83.37	1.073	0.0E0	0.000	0.748
38.20	0.66	1.32	0.50	5.00	NoLiq	26.79	83.24	1.077	0.0E0	0.000	0.748
38.15	0.66	1.32	0.50	5.00	NoLiq	26.73	83.11	1.082	0.0E0	0.000	0.748
38.10	0.66	1.32	0.50	5.00	NoLiq	26.66	82.97	1.086	0.0E0	0.000	0.748
38.05	0.66	1.32	0.50	5.00	NoLiq	26.60	82.84	1.090	0.0E0	0.000	0.748
38.00	0.66	1.32	0.50	5.00	NoLiq	26.53	82.71	1.094	0.0E0	0.000	0.748
37.95	0.66	1.32	0.50	5.00	NoLiq	26.47	82.58	1.098	0.0E0	0.000	0.748
37.90	0.66	1.32	0.50	5.00	NoLiq	26.40	82.45	1.102	0.0E0	0.000	0.748
37.85	0.66	1.32	0.50	5.00	NoLiq	26.34	82.32	1.106	0.0E0	0.000	0.748
37.80	0.66	1.32	0.50	5.00	NoLiq	26.27	82.19	1.110	0.0E0	0.000	0.748
37.75	0.66	1.32	0.50	5.00	NoLiq	26.21	82.06	1.114	0.0E0	0.000	0.748
37.70	0.66	1.32	0.50	5.00	NoLiq	26.14	81.94	1.118	0.0E0	0.000	0.748
37.65	0.66	1.32	0.50	5.00	NoLiq	26.08	81.81	1.122	0.0E0	0.000	0.748
37.60	0.66	1.32	0.50	5.00	NoLiq	26.01	81.68	1.126	0.0E0	0.000	0.748
37.55	0.66	1.32	0.50	5.00	NoLiq	25.94	81.55	1.131	0.0E0	0.000	0.748
37.50	0.66	1.32	0.50	5.00	NoLiq	25.88	81.42	1.135	0.0E0	0.000	0.748
37.45	0.67	1.32	0.50	5.00	NoLiq	25.81	81.29	1.139	0.0E0	0.000	0.748
37.40	0.67	1.32	0.50	5.00	NoLiq	25.75	81.16	1.143	0.0E0	0.000	0.748
37.35	0.67	1.32	0.50	5.00	NoLiq	25.68	81.03	1.147	0.0E0	0.000	0.748
37.30	0.67	1.32	0.51	5.00	NoLiq	25.61	80.90	1.151	0.0E0	0.000	0.748
37.25	0.67	1.32	0.51	5.00	NoLiq	25.55	80.78	1.155	0.0E0	0.000	0.748
37.20	0.67	1.32	0.51	5.00	NoLiq	25.48	80.65	1.159	0.0E0	0.000	0.748
37.15	0.67	1.32	0.51	5.00	NoLiq	25.42	80.52	1.164	0.0E0	0.000	0.748
37.10	0.67	1.32	0.51	5.00	NoLiq	25.35	80.39	1.168	0.0E0	0.000	0.748
37.05	0.67	1.32	0.51	5.00	NoLiq	25.28	80.26	1.172	0.0E0	0.000	0.748
37.00	0.67	1.32	0.51	5.00	NoLiq	25.22	80.13	1.176	0.0E0	0.000	0.748
36.95	0.67	1.32	0.51	5.00	NoLiq	25.15	80.01	1.180	0.0E0	0.000	0.748
36.90	0.67	1.32	0.51	5.00	NoLiq	25.08	79.88	1.184	0.0E0	0.000	0.748
36.85	0.67	1.32	0.51	5.00	NoLiq	25.02	79.75	1.188	0.0E0	0.000	0.748
36.80	0.67	1.32	0.51	5.00	NoLiq	24.95	79.62	1.193	0.0E0	0.000	0.748
36.75	0.67	1.32	0.51	5.00	NoLiq	24.88	79.50	1.197	0.0E0	0.000	0.748
36.70	0.67	1.32	0.51	5.00	NoLiq	24.82	79.37	1.201	0.0E0	0.000	0.748
36.65	0.67	1.32	0.51	5.00	NoLiq	24.75	79.24	1.205	0.0E0	0.000	0.748
36.60	0.67	1.32	0.51	5.00	NoLiq	24.68	79.11	1.209	0.0E0	0.000	0.748
36.55	0.67	1.32	0.51	5.00	NoLiq	24.62	78.99	1.214	0.0E0	0.000	0.748
36.50	0.67	1.32	0.51	5.00	NoLiq	24.55	78.86	1.218	0.0E0	0.000	0.748
36.45	0.67	1.32	0.51	5.00	NoLiq	24.48	78.73	1.222	0.0E0	0.000	0.748
36.40	0.67	1.32	0.51	5.00	NoLiq	24.41	78.61	1.226	0.0E0	0.000	0.748
36.35	0.67	1.32	0.51	5.00	NoLiq	24.35	78.48	1.230	0.0E0	0.000	0.748
36.30	0.67	1.32	0.51	5.00	NoLiq	24.28	78.35	1.235	0.0E0	0.000	0.748
36.25	0.67	1.32	0.51	5.00	NoLiq	24.21	78.23	1.239	0.0E0	0.000	0.748
36.20	0.67	1.32	0.51	5.00	NoLiq	24.15	78.10	1.243	0.0E0	0.000	0.748
36.15	0.67	1.32	0.51	5.00	NoLiq	24.08	77.97	1.247	0.0E0	0.000	0.748
36.10	0.67	1.32	0.51	5.00	NoLiq	24.01	77.85	1.251	0.0E0	0.000	0.748
36.05	0.67	1.32	0.51	5.00	NoLiq	23.94	77.72	1.256	0.0E0	0.000	0.748
36.00	0.68	1.32	0.51	5.00	NoLiq	23.87	77.59	1.260	0.0E0	0.000	0.748
35.95	0.68	1.32	0.51	5.00	NoLiq	23.81	77.47	1.264	0.0E0	0.000	0.748
35.90	0.68	1.32	0.51	5.00	NoLiq	23.74	77.34	1.268	0.0E0	0.000	0.748
35.85	0.68	1.32	0.51	5.00	NoLiq	23.67	77.21	1.273	0.0E0	0.000	0.748
35.80	0.68	1.32	0.51	5.00	NoLiq	23.60	77.09	1.277	0.0E0	0.000	0.748
35.75	0.68	1.32	0.51	5.00	NoLiq	23.54	76.96	1.281	0.0E0	0.000	0.748

35.70	0.68	1.32	0.51	5.00	NoLiq	23.47	76.84	1.285	0.0E0	0.000	0.748
35.65	0.68	1.32	0.51	5.00	NoLiq	23.40	76.71	1.290	0.0E0	0.000	0.748
35.60	0.68	1.32	0.51	5.00	NoLiq	23.33	76.58	1.294	0.0E0	0.000	0.748
35.55	0.68	1.32	0.51	5.00	NoLiq	23.26	76.46	1.298	0.0E0	0.000	0.748
35.50	0.68	1.32	0.51	5.00	NoLiq	23.19	76.33	1.302	0.0E0	0.000	0.748
35.45	0.68	1.32	0.51	5.00	NoLiq	23.13	76.20	1.307	0.0E0	0.000	0.748
35.40	0.68	1.32	0.51	5.00	NoLiq	23.06	76.08	1.311	0.0E0	0.000	0.748
35.35	0.68	1.32	0.52	5.00	NoLiq	22.99	75.95	1.315	0.0E0	0.000	0.748
35.30	0.68	1.32	0.52	5.00	NoLiq	22.92	75.83	1.320	0.0E0	0.000	0.748
35.25	0.68	1.32	0.52	5.00	NoLiq	22.85	75.70	1.324	0.0E0	0.000	0.748
35.20	0.68	1.32	0.52	5.00	NoLiq	22.78	75.57	1.328	0.0E0	0.000	0.748
35.15	0.68	1.32	0.52	5.00	NoLiq	22.71	75.45	1.332	0.0E0	0.000	0.748
35.10	0.68	1.32	0.52	5.00	NoLiq	22.64	75.32	1.337	0.0E0	0.000	0.748
35.05	0.68	1.32	0.52	5.00	NoLiq	22.58	75.20	1.341	0.0E0	0.000	0.748
35.00	0.68	1.32	0.52	5.00	NoLiq	22.51	75.07	1.345	0.0E0	0.000	0.748
34.95	0.68	1.32	0.52	5.00	NoLiq	22.52	75.09	1.345	0.0E0	0.000	0.748
34.90	0.68	1.32	0.52	5.00	NoLiq	22.52	75.10	1.344	0.0E0	0.000	0.748
34.85	0.68	1.32	0.52	5.00	NoLiq	22.53	75.12	1.344	0.0E0	0.000	0.748
34.80	0.68	1.32	0.52	5.00	NoLiq	22.54	75.13	1.343	0.0E0	0.000	0.748
34.75	0.68	1.32	0.52	5.00	NoLiq	22.55	75.15	1.343	0.0E0	0.000	0.748
34.70	0.68	1.32	0.52	5.00	NoLiq	22.56	75.17	1.342	0.0E0	0.000	0.748
34.65	0.68	1.32	0.52	5.00	NoLiq	22.57	75.18	1.341	0.0E0	0.000	0.748
34.60	0.68	1.32	0.52	5.00	NoLiq	22.58	75.20	1.341	0.0E0	0.000	0.748
34.55	0.69	1.32	0.52	5.00	NoLiq	22.59	75.21	1.340	0.0E0	0.000	0.748
34.50	0.69	1.32	0.52	5.00	NoLiq	22.59	75.23	1.340	0.0E0	0.000	0.748
34.45	0.69	1.32	0.52	5.00	NoLiq	22.60	75.25	1.339	0.0E0	0.000	0.748
34.40	0.69	1.32	0.52	5.00	NoLiq	22.61	75.26	1.339	0.0E0	0.000	0.748
34.35	0.69	1.32	0.52	5.00	NoLiq	22.62	75.28	1.338	0.0E0	0.000	0.748
34.30	0.69	1.32	0.52	5.00	NoLiq	22.63	75.29	1.338	0.0E0	0.000	0.748
34.25	0.69	1.32	0.52	5.00	NoLiq	22.64	75.31	1.337	0.0E0	0.000	0.748
34.20	0.69	1.32	0.52	5.00	NoLiq	22.65	75.33	1.337	0.0E0	0.000	0.748
34.15	0.69	1.32	0.52	5.00	NoLiq	22.66	75.34	1.336	0.0E0	0.000	0.748
34.10	0.69	1.32	0.52	5.00	NoLiq	22.67	75.36	1.335	0.0E0	0.000	0.748
34.05	0.69	1.32	0.52	5.00	NoLiq	22.67	75.37	1.335	0.0E0	0.000	0.748
34.00	0.69	1.32	0.52	5.00	NoLiq	22.68	75.39	1.334	0.0E0	0.000	0.748
33.95	0.69	1.32	0.52	5.00	NoLiq	22.69	75.41	1.334	0.0E0	0.000	0.748
33.90	0.69	1.32	0.52	5.00	NoLiq	22.70	75.42	1.333	0.0E0	0.000	0.748
33.85	0.69	1.32	0.52	5.00	NoLiq	22.71	75.44	1.333	0.0E0	0.000	0.748
33.80	0.69	1.32	0.52	5.00	NoLiq	22.72	75.46	1.332	0.0E0	0.000	0.748
33.75	0.69	1.32	0.52	5.00	NoLiq	22.73	75.47	1.332	0.0E0	0.000	0.748
33.70	0.69	1.32	0.52	5.00	NoLiq	22.74	75.49	1.331	0.0E0	0.000	0.748
33.65	0.69	1.32	0.52	5.00	NoLiq	22.74	75.50	1.330	0.0E0	0.000	0.748
33.60	0.69	1.32	0.52	5.00	NoLiq	22.75	75.52	1.330	0.0E0	0.000	0.748
33.55	0.69	1.32	0.52	5.00	NoLiq	22.76	75.54	1.329	0.0E0	0.000	0.748
33.50	0.69	1.32	0.52	5.00	NoLiq	22.77	75.55	1.329	0.0E0	0.000	0.748
33.45	0.69	1.32	0.52	5.00	NoLiq	22.78	75.57	1.328	0.0E0	0.000	0.748
33.40	0.69	1.32	0.53	5.00	NoLiq	22.79	75.59	1.328	0.0E0	0.000	0.748
33.35	0.69	1.32	0.53	5.00	NoLiq	22.80	75.60	1.327	0.0E0	0.000	0.748
33.30	0.69	1.32	0.53	5.00	NoLiq	22.81	75.62	1.327	0.0E0	0.000	0.748
33.25	0.69	1.32	0.53	5.00	NoLiq	22.82	75.63	1.326	0.0E0	0.000	0.748
33.20	0.69	1.32	0.53	5.00	NoLiq	22.82	75.65	1.326	0.0E0	0.000	0.748
33.15	0.69	1.32	0.53	5.00	NoLiq	22.83	75.67	1.325	0.0E0	0.000	0.748
33.10	0.69	1.32	0.53	5.00	NoLiq	22.84	75.68	1.324	0.0E0	0.000	0.748
33.05	0.70	1.32	0.53	5.00	NoLiq	22.85	75.70	1.324	0.0E0	0.000	0.748
33.00	0.70	1.32	0.53	5.00	NoLiq	22.86	75.72	1.323	0.0E0	0.000	0.748
32.95	0.70	1.32	0.53	5.00	NoLiq	22.87	75.73	1.323	0.0E0	0.000	0.748
32.90	0.70	1.32	0.53	5.00	NoLiq	22.88	75.75	1.322	0.0E0	0.000	0.748
32.85	0.70	1.32	0.53	5.00	NoLiq	22.89	75.76	1.322	0.0E0	0.000	0.748
32.80	0.70	1.32	0.53	5.00	NoLiq	22.90	75.78	1.321	0.0E0	0.000	0.748
32.75	0.70	1.32	0.53	5.00	NoLiq	22.90	75.80	1.321	0.0E0	0.000	0.748
32.70	0.70	1.32	0.53	5.00	NoLiq	22.91	75.81	1.320	0.0E0	0.000	0.748
32.65	0.70	1.32	0.53	5.00	NoLiq	22.92	75.83	1.319	0.0E0	0.000	0.748
32.60	0.70	1.32	0.53	5.00	NoLiq	22.93	75.85	1.319	0.0E0	0.000	0.748
32.55	0.70	1.32	0.53	5.00	NoLiq	22.94	75.86	1.318	0.0E0	0.000	0.748
32.50	0.70	1.32	0.53	5.00	NoLiq	22.95	75.88	1.318	0.0E0	0.000	0.748
32.45	0.70	1.32	0.53	5.00	NoLiq	22.96	75.90	1.317	0.0E0	0.000	0.748
32.40	0.70	1.32	0.53	5.00	NoLiq	22.97	75.91	1.317	0.0E0	0.000	0.748
32.35	0.70	1.32	0.53	5.00	NoLiq	22.98	75.93	1.316	0.0E0	0.000	0.748
32.30	0.70	1.32	0.53	5.00	NoLiq	22.98	75.95	1.315	0.0E0	0.000	0.748
32.25	0.70	1.32	0.53	5.00	NoLiq	22.99	75.96	1.315	0.0E0	0.000	0.748
32.20	0.70	1.32	0.53	5.00	NoLiq	23.00	75.98	1.314	0.0E0	0.000	0.748
32.15	0.70	1.32	0.53	5.00	NoLiq	23.01	75.99	1.314	0.0E0	0.000	0.748
32.10	0.70	1.32	0.53	5.00	NoLiq	23.02	76.01	1.313	0.0E0	0.000	0.748

32.05	0.70	1.32	0.53	5.00	NoLiq	23.03	76.03	1.313	0.0E0	0.000	0.748
32.00	0.70	1.32	0.53	5.00	NoLiq	23.04	76.04	1.312	0.0E0	0.000	0.748
31.95	0.70	1.32	0.53	5.00	NoLiq	23.05	76.06	1.312	0.0E0	0.000	0.748
31.90	0.70	1.32	0.53	5.00	NoLiq	23.06	76.08	1.311	0.0E0	0.000	0.748
31.85	0.70	1.32	0.53	5.00	NoLiq	23.07	76.09	1.310	0.0E0	0.000	0.748
31.80	0.70	1.32	0.53	5.00	NoLiq	23.07	76.11	1.310	0.0E0	0.000	0.748
31.75	0.70	1.32	0.53	5.00	NoLiq	23.08	76.13	1.309	0.0E0	0.000	0.748
31.70	0.70	1.32	0.53	5.00	NoLiq	23.09	76.14	1.309	0.0E0	0.000	0.748
31.65	0.70	1.32	0.53	5.00	NoLiq	23.10	76.16	1.308	0.0E0	0.000	0.748
31.60	0.70	1.32	0.53	5.00	NoLiq	23.11	76.18	1.308	0.0E0	0.000	0.748
31.55	0.70	1.32	0.53	5.00	NoLiq	23.12	76.19	1.307	0.0E0	0.000	0.748
31.50	0.70	1.32	0.53	5.00	NoLiq	23.13	76.21	1.306	0.0E0	0.000	0.748
31.45	0.71	1.32	0.53	5.00	NoLiq	23.14	76.23	1.306	0.0E0	0.000	0.748
31.40	0.71	1.32	0.53	5.00	NoLiq	23.15	76.24	1.305	0.0E0	0.000	0.748
31.35	0.71	1.32	0.54	5.00	NoLiq	23.16	76.26	1.305	0.0E0	0.000	0.748
31.30	0.71	1.32	0.54	5.00	NoLiq	23.16	76.28	1.304	0.0E0	0.000	0.748
31.25	0.71	1.32	0.54	5.00	NoLiq	23.17	76.29	1.304	0.0E0	0.000	0.748
31.20	0.71	1.32	0.54	5.00	NoLiq	23.18	76.31	1.303	0.0E0	0.000	0.748
31.15	0.71	1.32	0.54	5.00	NoLiq	23.19	76.33	1.303	0.0E0	0.000	0.748
31.10	0.71	1.32	0.54	5.00	NoLiq	23.20	76.34	1.302	0.0E0	0.000	0.748
31.05	0.71	1.32	0.54	5.00	NoLiq	23.21	76.36	1.301	0.0E0	0.000	0.748
31.00	0.71	1.32	0.54	5.00	NoLiq	23.22	76.38	1.301	0.0E0	0.000	0.748
30.95	0.71	1.32	0.54	5.00	NoLiq	23.23	76.39	1.300	0.0E0	0.000	0.748
30.90	0.71	1.32	0.54	5.00	NoLiq	23.24	76.41	1.300	0.0E0	0.000	0.748
30.85	0.71	1.32	0.54	5.00	NoLiq	23.25	76.43	1.299	0.0E0	0.000	0.748
30.80	0.71	1.32	0.54	5.00	NoLiq	23.26	76.44	1.299	0.0E0	0.000	0.748
30.75	0.71	1.32	0.54	5.00	NoLiq	23.26	76.46	1.298	0.0E0	0.000	0.748
30.70	0.71	1.32	0.54	5.00	NoLiq	23.27	76.48	1.297	0.0E0	0.000	0.748
30.65	0.71	1.32	0.54	5.00	NoLiq	23.28	76.49	1.297	0.0E0	0.000	0.748
30.60	0.71	1.32	0.54	5.00	NoLiq	23.29	76.51	1.296	0.0E0	0.000	0.748
30.55	0.71	1.32	0.54	5.00	NoLiq	23.30	76.53	1.296	0.0E0	0.000	0.748
30.50	0.71	1.32	0.54	5.00	NoLiq	23.31	76.54	1.295	0.0E0	0.000	0.748
30.45	0.71	1.32	0.54	5.00	NoLiq	23.32	76.56	1.295	0.0E0	0.000	0.748
30.40	0.71	1.32	0.54	5.00	NoLiq	23.33	76.58	1.294	0.0E0	0.000	0.748
30.35	0.71	1.32	0.54	5.00	NoLiq	23.34	76.59	1.293	0.0E0	0.000	0.748
30.30	0.71	1.32	0.54	5.00	NoLiq	23.35	76.61	1.293	0.0E0	0.000	0.748
30.25	0.71	1.32	0.54	5.00	NoLiq	23.36	76.63	1.292	0.0E0	0.000	0.748
30.20	0.71	1.32	0.54	5.00	NoLiq	23.36	76.64	1.292	0.0E0	0.000	0.748
30.15	0.71	1.32	0.54	5.00	NoLiq	23.37	76.66	1.291	0.0E0	0.000	0.748
30.10	0.71	1.32	0.54	5.00	NoLiq	23.38	76.68	1.291	0.0E0	0.000	0.748
30.05	0.71	1.32	0.54	5.00	NoLiq	23.39	76.70	1.290	0.0E0	0.000	0.748
30.00	0.71	1.32	0.54	5.00	NoLiq	23.40	76.71	1.290	0.0E0	0.000	0.748
29.95	0.71	1.32	0.54	5.00	NoLiq	23.29	76.50	1.297	0.0E0	0.000	0.748
29.90	0.71	1.32	0.54	5.00	NoLiq	23.17	76.29	1.304	0.0E0	0.000	0.748
29.85	0.71	1.32	0.54	5.00	NoLiq	23.06	76.08	1.311	0.0E0	0.000	0.748
29.80	0.71	1.32	0.54	5.00	NoLiq	22.95	75.87	1.318	0.0E0	0.000	0.748
29.75	0.71	1.32	0.54	5.00	NoLiq	22.83	75.66	1.325	0.0E0	0.000	0.748
29.70	0.71	1.32	0.54	5.00	NoLiq	22.72	75.45	1.332	0.0E0	0.000	0.748
29.65	0.71	1.32	0.54	5.00	NoLiq	22.60	75.25	1.339	0.0E0	0.000	0.748
29.60	0.71	1.32	0.54	5.00	NoLiq	22.49	75.04	1.346	0.0E0	0.000	0.748
29.55	0.71	1.32	0.54	5.00	NoLiq	22.37	74.83	1.354	0.0E0	0.000	0.748
29.50	0.71	1.32	0.54	5.00	NoLiq	22.26	74.62	1.361	0.0E0	0.000	0.748
29.45	0.71	1.32	0.54	5.00	NoLiq	22.15	74.41	1.368	0.0E0	0.000	0.748
29.40	0.71	1.32	0.54	5.00	NoLiq	22.03	74.20	1.375	0.0E0	0.000	0.748
29.35	0.71	1.32	0.54	5.00	NoLiq	21.92	73.99	1.382	0.0E0	0.000	0.748
29.30	0.71	1.32	0.54	5.00	NoLiq	21.80	73.78	1.389	0.0E0	0.000	0.748
29.25	0.71	1.32	0.54	5.00	NoLiq	21.69	73.58	1.397	0.0E0	0.000	0.748
29.20	0.72	1.32	0.54	5.00	NoLiq	21.57	73.37	1.404	0.0E0	0.000	0.748
29.15	0.72	1.32	0.54	5.00	NoLiq	21.45	73.16	1.411	0.0E0	0.000	0.748
29.10	0.72	1.32	0.54	5.00	NoLiq	21.34	72.95	1.418	0.0E0	0.000	0.748
29.05	0.72	1.32	0.54	5.00	NoLiq	21.22	72.74	1.426	0.0E0	0.000	0.748
29.00	0.72	1.32	0.54	5.00	NoLiq	21.11	72.53	1.433	0.0E0	0.000	0.748
28.95	0.72	1.32	0.54	5.00	NoLiq	20.99	72.32	1.440	0.0E0	0.000	0.748
28.90	0.72	1.32	0.54	5.00	NoLiq	20.88	72.12	1.447	0.0E0	0.000	0.748
28.85	0.72	1.32	0.54	5.00	NoLiq	20.76	71.91	1.454	0.0E0	0.000	0.748
28.80	0.72	1.32	0.54	5.00	NoLiq	20.64	71.70	1.462	0.0E0	0.000	0.748
28.75	0.72	1.32	0.54	5.00	NoLiq	20.53	71.49	1.469	0.0E0	0.000	0.748
28.70	0.72	1.32	0.54	5.00	NoLiq	20.41	71.28	1.476	0.0E0	0.000	0.748
28.65	0.72	1.32	0.54	5.00	NoLiq	20.30	71.07	1.484	0.0E0	0.000	0.748
28.60	0.72	1.32	0.54	5.00	NoLiq	20.18	70.86	1.491	0.0E0	0.000	0.748
28.55	0.72	1.32	0.54	5.00	NoLiq	20.06	70.65	1.498	0.0E0	0.000	0.748
28.50	0.72	1.32	0.54	5.00	NoLiq	19.95	70.44	1.507	0.0E0	0.000	0.748
28.45	0.72	1.32	0.54	5.00	NoLiq	19.83	70.23	1.517	0.0E0	0.000	0.748

28.40	0.72	1.32	0.54	5.00	NoLiq	19.71	70.02	1.527	0.0E0	0.000	0.748
28.35	0.72	1.32	0.54	5.00	NoLiq	19.59	69.81	1.537	0.0E0	0.000	0.748
28.30	0.72	1.32	0.54	5.00	NoLiq	19.48	69.60	1.546	0.0E0	0.000	0.748
28.25	0.72	1.32	0.54	5.00	NoLiq	19.36	69.38	1.556	0.0E0	0.000	0.748
28.20	0.72	1.32	0.54	5.00	NoLiq	19.24	69.17	1.566	0.0E0	0.000	0.748
28.15	0.72	1.32	0.54	5.00	NoLiq	19.12	68.96	1.576	0.0E0	0.000	0.748
28.10	0.72	1.32	0.54	5.00	NoLiq	19.01	68.75	1.586	0.0E0	0.000	0.748
28.05	0.72	1.32	0.54	5.00	NoLiq	18.89	68.53	1.596	0.0E0	0.000	0.748
28.00	0.72	1.32	0.54	5.00	NoLiq	18.77	68.32	1.605	0.0E0	0.000	0.748
27.95	0.72	1.32	0.54	5.00	NoLiq	18.65	68.11	1.615	0.0E0	0.000	0.748
27.90	0.72	1.32	0.54	5.00	NoLiq	18.53	67.89	1.625	0.0E0	0.000	0.748
27.85	0.72	1.32	0.54	5.00	NoLiq	17.75	66.45	1.691	0.0E0	0.000	0.748
27.80	0.72	1.32	0.54	5.00	NoLiq	17.63	66.25	1.701	0.0E0	0.000	0.748
27.75	0.72	1.32	0.54	5.00	NoLiq	17.52	66.04	1.710	0.0E0	0.000	0.748
27.70	0.72	1.32	0.54	5.00	NoLiq	17.41	65.83	1.720	0.0E0	0.000	0.748
27.65	0.72	1.32	0.54	5.00	NoLiq	17.29	65.62	1.729	0.0E0	0.000	0.748
27.60	0.72	1.32	0.54	5.00	NoLiq	17.18	65.41	1.738	0.0E0	0.000	0.748
27.55	0.72	1.32	0.54	5.00	NoLiq	17.07	65.20	1.748	0.0E0	0.000	0.748
27.50	0.72	1.32	0.54	5.00	NoLiq	16.96	64.99	1.757	0.0E0	0.000	0.748
27.45	0.72	1.32	0.54	5.00	NoLiq	16.84	64.78	1.767	0.0E0	0.000	0.748
27.40	0.72	1.32	0.54	5.00	NoLiq	16.73	64.57	1.776	0.0E0	0.000	0.748
27.35	0.72	1.32	0.54	5.00	NoLiq	16.62	64.36	1.786	0.0E0	0.000	0.748
27.30	0.72	1.32	0.54	5.00	NoLiq	16.50	64.15	1.795	0.0E0	0.000	0.748
27.25	0.72	1.32	0.54	5.00	NoLiq	16.39	63.93	1.805	0.0E0	0.000	0.748
27.20	0.72	1.32	0.54	5.00	NoLiq	16.27	63.72	1.814	0.0E0	0.000	0.748
27.15	0.72	1.32	0.54	5.00	NoLiq	16.16	63.50	1.824	0.0E0	0.000	0.748
27.10	0.72	1.32	0.54	5.00	NoLiq	16.05	63.29	1.834	0.0E0	0.000	0.748
27.05	0.72	1.32	0.54	5.00	NoLiq	15.93	63.07	1.843	0.0E0	0.000	0.748
27.00	0.72	1.32	0.54	5.00	NoLiq	15.82	62.85	1.853	0.0E0	0.000	0.748
26.95	0.72	1.32	0.54	5.00	NoLiq	15.70	62.63	1.862	0.0E0	0.000	0.748
26.90	0.72	1.32	0.54	5.00	NoLiq	15.59	62.41	1.872	0.0E0	0.000	0.748
26.85	0.72	1.32	0.54	5.00	NoLiq	15.47	62.19	1.881	0.0E0	0.000	0.748
26.80	0.72	1.32	0.54	5.00	NoLiq	15.36	61.97	1.891	0.0E0	0.000	0.748
26.75	0.72	1.32	0.54	5.00	NoLiq	15.24	61.75	1.901	0.0E0	0.000	0.748
26.70	0.72	1.32	0.54	5.00	NoLiq	15.13	61.53	1.910	0.0E0	0.000	0.748
26.65	0.72	1.32	0.54	5.00	NoLiq	15.01	61.30	1.920	0.0E0	0.000	0.748
26.60	0.72	1.32	0.54	5.00	NoLiq	14.90	61.08	1.930	0.0E0	0.000	0.748
26.55	0.72	1.32	0.54	5.00	NoLiq	14.78	60.85	1.939	0.0E0	0.000	0.748
26.50	0.72	1.32	0.54	5.00	NoLiq	14.67	60.62	1.949	0.0E0	0.000	0.748
26.45	0.72	1.32	0.54	5.00	NoLiq	14.55	60.40	1.959	0.0E0	0.000	0.748
26.40	0.72	1.32	0.54	5.00	NoLiq	14.44	60.17	1.968	0.0E0	0.000	0.748
26.35	0.72	1.32	0.54	5.00	NoLiq	14.32	59.94	1.978	0.0E0	0.000	0.748
26.30	0.72	1.32	0.54	5.00	NoLiq	14.20	59.70	1.988	0.0E0	0.000	0.748
26.25	0.72	1.32	0.54	5.00	NoLiq	14.09	59.47	1.997	0.0E0	0.000	0.748
26.20	0.72	1.32	0.55	5.00	NoLiq	13.97	59.24	2.011	0.0E0	0.000	0.748
26.15	0.72	1.32	0.55	5.00	NoLiq	13.85	59.00	2.027	0.0E0	0.000	0.748
26.10	0.72	1.32	0.55	5.00	NoLiq	13.74	58.77	2.042	0.0E0	0.000	0.748
26.05	0.72	1.32	0.55	5.00	NoLiq	13.62	58.53	2.057	0.0E0	0.000	0.748
26.00	0.72	1.32	0.55	5.00	NoLiq	13.50	58.29	2.073	0.0E0	0.000	0.748
25.95	0.72	1.32	0.55	5.00	NoLiq	13.39	58.05	2.088	0.0E0	0.000	0.748
25.90	0.72	1.32	0.55	5.00	NoLiq	13.27	57.81	2.103	0.0E0	0.000	0.748
25.85	0.72	1.32	0.55	5.00	NoLiq	13.15	57.56	2.119	0.0E0	0.000	0.748
25.80	0.72	1.32	0.55	5.00	NoLiq	13.04	57.32	2.134	0.0E0	0.000	0.748
25.75	0.72	1.32	0.55	5.00	NoLiq	12.92	57.07	2.150	0.0E0	0.000	0.748
25.70	0.72	1.32	0.55	5.00	NoLiq	12.80	56.83	2.165	0.0E0	0.000	0.748
25.65	0.72	1.32	0.55	5.00	NoLiq	12.68	56.58	2.181	0.0E0	0.000	0.748
25.60	0.72	1.32	0.55	5.00	NoLiq	12.57	56.33	2.196	0.0E0	0.000	0.748
25.55	0.72	1.32	0.55	5.00	NoLiq	12.45	56.08	2.212	0.0E0	0.000	0.748
25.50	0.72	1.32	0.55	5.00	NoLiq	12.33	55.82	2.227	0.0E0	0.000	0.748
25.45	0.72	1.32	0.55	5.00	NoLiq	12.21	55.57	2.243	0.0E0	0.000	0.748
25.40	0.72	1.32	0.55	5.00	NoLiq	12.09	55.31	2.258	0.0E0	0.000	0.748
25.35	0.72	1.32	0.55	5.00	NoLiq	11.98	55.05	2.274	0.0E0	0.000	0.748
25.30	0.72	1.32	0.55	5.00	NoLiq	11.86	54.79	2.289	0.0E0	0.000	0.748
25.25	0.72	1.32	0.55	5.00	NoLiq	11.74	54.53	2.305	0.0E0	0.000	0.748
25.20	0.72	1.32	0.55	5.00	NoLiq	11.62	54.27	2.321	0.0E0	0.000	0.748
25.15	0.72	1.32	0.55	5.00	NoLiq	11.50	54.00	2.336	0.0E0	0.000	0.748
25.10	0.72	1.32	0.55	5.00	NoLiq	11.38	53.74	2.352	0.0E0	0.000	0.748
25.05	0.72	1.32	0.55	5.00	NoLiq	11.26	53.47	2.368	0.0E0	0.000	0.748
25.00	0.72	1.32	0.55	5.00	NoLiq	11.14	53.20	2.383	0.0E0	0.000	0.748
24.95	0.72	1.32	0.55	5.00	NoLiq	11.15	53.21	2.383	0.0E0	0.000	0.748
24.90	0.72	1.32	0.55	5.00	NoLiq	11.15	53.22	2.382	0.0E0	0.000	0.748
24.85	0.72	1.32	0.55	5.00	NoLiq	11.15	53.22	2.382	0.0E0	0.000	0.748
24.80	0.72	1.32	0.55	5.00	NoLiq	11.16	53.23	2.381	0.0E0	0.000	0.748

24.75	0.72	1.32	0.55	5.00	NoLiq	11.16	53.24	2.381	0.0E0	0.000	0.748
24.70	0.72	1.32	0.55	5.00	NoLiq	11.16	53.25	2.381	0.0E0	0.000	0.748
24.65	0.72	1.32	0.55	5.00	NoLiq	11.17	53.26	2.380	0.0E0	0.000	0.748
24.60	0.72	1.32	0.55	5.00	NoLiq	11.17	53.26	2.380	0.0E0	0.000	0.748
24.55	0.72	1.32	0.55	5.00	NoLiq	11.17	53.27	2.379	0.0E0	0.000	0.748
24.50	0.72	1.32	0.55	5.00	NoLiq	11.18	53.28	2.379	0.0E0	0.000	0.748
24.45	0.72	1.32	0.55	5.00	NoLiq	11.18	53.29	2.378	0.0E0	0.000	0.748
24.40	0.72	1.32	0.55	5.00	NoLiq	11.18	53.30	2.378	0.0E0	0.000	0.748
24.35	0.72	1.32	0.55	5.00	NoLiq	11.19	53.30	2.377	0.0E0	0.000	0.748
24.30	0.72	1.32	0.55	5.00	NoLiq	11.19	53.31	2.377	0.0E0	0.000	0.748
24.25	0.72	1.32	0.55	5.00	NoLiq	11.20	53.32	2.376	0.0E0	0.000	0.748
24.20	0.72	1.32	0.55	5.00	NoLiq	11.20	53.33	2.376	0.0E0	0.000	0.748
24.15	0.72	1.32	0.55	5.00	NoLiq	11.20	53.34	2.375	0.0E0	0.000	0.748
24.10	0.72	1.32	0.55	5.00	NoLiq	11.21	53.34	2.375	0.0E0	0.000	0.748
24.05	0.72	1.32	0.55	5.00	NoLiq	11.21	53.35	2.375	0.0E0	0.000	0.748
24.00	0.72	1.32	0.55	5.00	NoLiq	11.21	53.36	2.374	0.0E0	0.000	0.748
23.95	0.72	1.32	0.55	5.00	NoLiq	11.22	53.37	2.374	0.0E0	0.000	0.748
23.90	0.72	1.32	0.55	5.00	NoLiq	11.22	53.38	2.373	0.0E0	0.000	0.748
23.85	0.72	1.32	0.55	5.00	NoLiq	11.22	53.38	2.373	0.0E0	0.000	0.748
23.80	0.72	1.32	0.55	5.00	NoLiq	11.23	53.39	2.372	0.0E0	0.000	0.748
23.75	0.72	1.32	0.55	5.00	NoLiq	11.23	53.40	2.372	0.0E0	0.000	0.748
23.70	0.72	1.32	0.55	5.00	NoLiq	11.23	53.41	2.371	0.0E0	0.000	0.748
23.65	0.72	1.32	0.55	5.00	NoLiq	11.24	53.42	2.371	0.0E0	0.000	0.748
23.60	0.72	1.32	0.55	5.00	NoLiq	11.24	53.43	2.370	0.0E0	0.000	0.748
23.55	0.72	1.32	0.55	5.00	NoLiq	11.25	53.43	2.370	0.0E0	0.000	0.748
23.50	0.72	1.32	0.55	5.00	NoLiq	11.25	53.44	2.369	0.0E0	0.000	0.748
23.45	0.72	1.32	0.55	5.00	NoLiq	11.25	53.45	2.369	0.0E0	0.000	0.748
23.40	0.72	1.32	0.55	5.00	NoLiq	11.26	53.46	2.368	0.0E0	0.000	0.748
23.35	0.72	1.32	0.55	5.00	NoLiq	11.26	53.47	2.368	0.0E0	0.000	0.748
23.30	0.72	1.32	0.55	5.00	NoLiq	11.26	53.47	2.367	0.0E0	0.000	0.748
23.25	0.72	1.32	0.55	5.00	NoLiq	11.27	53.48	2.367	0.0E0	0.000	0.748
23.20	0.72	1.32	0.55	5.00	NoLiq	11.27	53.49	2.366	0.0E0	0.000	0.748
23.15	0.72	1.32	0.55	5.00	NoLiq	11.27	53.50	2.366	0.0E0	0.000	0.748
23.10	0.72	1.32	0.55	5.00	NoLiq	11.28	53.51	2.365	0.0E0	0.000	0.748
23.05	0.72	1.32	0.55	5.00	NoLiq	11.28	53.52	2.365	0.0E0	0.000	0.748
23.00	0.72	1.32	0.55	5.00	NoLiq	11.29	53.52	2.365	0.0E0	0.000	0.748
22.95	0.72	1.32	0.55	5.00	NoLiq	11.29	53.53	2.364	0.0E0	0.000	0.748
22.90	0.72	1.32	0.55	5.00	NoLiq	11.29	53.54	2.364	0.0E0	0.000	0.748
22.85	0.72	1.32	0.55	5.00	NoLiq	11.30	53.55	2.363	0.0E0	0.000	0.748
22.80	0.72	1.32	0.55	5.00	NoLiq	11.30	53.56	2.363	0.0E0	0.000	0.748
22.75	0.72	1.32	0.55	5.00	NoLiq	11.30	53.57	2.362	0.0E0	0.000	0.748
22.70	0.72	1.32	0.55	5.00	NoLiq	11.31	53.57	2.362	0.0E0	0.000	0.748
22.65	0.72	1.32	0.55	5.00	NoLiq	11.31	53.58	2.361	0.0E0	0.000	0.748
22.60	0.72	1.32	0.55	5.00	NoLiq	11.32	53.59	2.361	0.0E0	0.000	0.748
22.55	0.72	1.32	0.55	5.00	NoLiq	11.32	53.60	2.360	0.0E0	0.000	0.748
22.50	0.72	1.32	0.55	5.00	NoLiq	11.32	53.61	2.360	0.0E0	0.000	0.748
22.45	0.72	1.32	0.55	5.00	NoLiq	11.33	53.62	2.359	0.0E0	0.000	0.748
22.40	0.72	1.32	0.55	5.00	NoLiq	11.33	53.62	2.359	0.0E0	0.000	0.748
22.35	0.72	1.32	0.55	5.00	NoLiq	11.33	53.63	2.358	0.0E0	0.000	0.748
22.30	0.72	1.32	0.55	5.00	NoLiq	11.34	53.64	2.358	0.0E0	0.000	0.748
22.25	0.72	1.32	0.55	5.00	NoLiq	11.34	53.65	2.357	0.0E0	0.000	0.748
22.20	0.72	1.32	0.55	5.00	NoLiq	11.35	53.66	2.357	0.0E0	0.000	0.748
22.15	0.72	1.32	0.55	5.00	NoLiq	11.35	53.67	2.356	0.0E0	0.000	0.748
22.10	0.72	1.32	0.55	5.00	NoLiq	11.35	53.68	2.356	0.0E0	0.000	0.748
22.05	0.72	1.32	0.55	5.00	NoLiq	11.36	53.68	2.355	0.0E0	0.000	0.748
22.00	0.72	1.32	0.55	5.00	NoLiq	11.36	53.69	2.355	0.0E0	0.000	0.748
21.95	0.72	1.32	0.55	5.00	NoLiq	11.36	53.70	2.354	0.0E0	0.000	0.748
21.90	0.72	1.32	0.55	5.00	NoLiq	11.37	53.71	2.354	0.0E0	0.000	0.748
21.85	0.72	1.32	0.55	5.00	NoLiq	11.37	53.72	2.353	0.0E0	0.000	0.748
21.80	0.72	1.32	0.55	5.00	NoLiq	11.38	53.73	2.353	0.0E0	0.000	0.748
21.75	0.72	1.32	0.55	5.00	NoLiq	11.38	53.74	2.352	0.0E0	0.000	0.748
21.70	0.72	1.32	0.55	5.00	NoLiq	11.38	53.74	2.352	0.0E0	0.000	0.748
21.65	0.72	1.32	0.55	5.00	NoLiq	11.39	53.75	2.351	0.0E0	0.000	0.748
21.60	0.72	1.32	0.55	5.00	NoLiq	11.39	53.76	2.351	0.0E0	0.000	0.748
21.55	0.72	1.32	0.55	5.00	NoLiq	11.40	53.77	2.350	0.0E0	0.000	0.748
21.50	0.72	1.32	0.55	5.00	NoLiq	11.40	53.78	2.350	0.0E0	0.000	0.748
21.45	0.72	1.32	0.55	5.00	NoLiq	11.40	53.79	2.349	0.0E0	0.000	0.748
21.40	0.73	1.32	0.55	5.00	NoLiq	11.41	53.80	2.349	0.0E0	0.000	0.748
21.35	0.73	1.32	0.55	5.00	NoLiq	11.41	53.81	2.348	0.0E0	0.000	0.748
21.30	0.73	1.32	0.55	5.00	NoLiq	11.41	53.81	2.348	0.0E0	0.000	0.748
21.25	0.73	1.32	0.55	5.00	NoLiq	11.42	53.82	2.347	0.0E0	0.000	0.748
21.20	0.73	1.32	0.55	5.00	NoLiq	11.42	53.83	2.346	0.0E0	0.000	0.748
21.15	0.73	1.32	0.55	5.00	NoLiq	11.43	53.84	2.346	0.0E0	0.000	0.748

21.10	0.73	1.32	0.55	5.00	NoLiq	11.43	53.85	2.345	0.0E0	0.000	0.748
21.05	0.73	1.32	0.55	5.00	NoLiq	11.43	53.86	2.345	0.0E0	0.000	0.748
21.00	0.73	1.32	0.55	5.00	NoLiq	11.44	53.87	2.344	0.0E0	0.000	0.748
20.95	0.73	1.32	0.55	5.00	NoLiq	11.44	53.88	2.344	0.0E0	0.000	0.748
20.90	0.73	1.32	0.55	5.00	NoLiq	11.45	53.88	2.343	0.0E0	0.000	0.748
20.85	0.73	1.32	0.55	5.00	NoLiq	11.45	53.89	2.343	0.0E0	0.000	0.748
20.80	0.73	1.32	0.55	5.00	NoLiq	11.45	53.90	2.342	0.0E0	0.000	0.748
20.75	0.73	1.32	0.55	5.00	NoLiq	11.46	53.91	2.342	0.0E0	0.000	0.748
20.70	0.73	1.32	0.55	5.00	NoLiq	11.46	53.92	2.341	0.0E0	0.000	0.748
20.65	0.73	1.32	0.55	5.00	NoLiq	11.47	53.93	2.341	0.0E0	0.000	0.748
20.60	0.73	1.32	0.55	5.00	NoLiq	11.47	53.94	2.340	0.0E0	0.000	0.748
20.55	0.73	1.32	0.55	5.00	NoLiq	11.47	53.95	2.340	0.0E0	0.000	0.748
20.50	0.73	1.32	0.55	5.00	NoLiq	11.48	53.96	2.339	0.0E0	0.000	0.748
20.45	0.73	1.32	0.55	5.00	NoLiq	11.48	53.97	2.339	0.0E0	0.000	0.748
20.40	0.73	1.32	0.55	5.00	NoLiq	11.49	53.97	2.338	0.0E0	0.000	0.748
20.35	0.73	1.32	0.55	5.00	NoLiq	11.49	53.98	2.338	0.0E0	0.000	0.748
20.30	0.73	1.32	0.55	5.00	NoLiq	11.49	53.99	2.337	0.0E0	0.000	0.748
20.25	0.73	1.32	0.55	5.00	NoLiq	11.50	54.00	2.336	0.0E0	0.000	0.748
20.20	0.73	1.32	0.55	5.00	NoLiq	11.50	54.01	2.336	0.0E0	0.000	0.748
20.15	0.73	1.32	0.55	5.00	NoLiq	11.51	54.02	2.335	0.0E0	0.000	0.748
20.10	0.73	1.32	0.55	5.00	NoLiq	11.51	54.03	2.335	0.0E0	0.000	0.748
20.05	0.73	1.32	0.55	5.00	NoLiq	11.51	54.04	2.334	0.0E0	0.000	0.748
20.00	0.73	1.32	0.55	0.23	NoLiq	11.52	54.05	2.334	0.0E0	0.000	0.748
19.95	0.73	1.32	0.55	0.23	NoLiq	11.70	54.44	2.310	0.0E0	0.000	0.748
19.90	0.73	1.32	0.55	0.23	NoLiq	11.88	54.83	2.287	0.0E0	0.000	0.748
19.85	0.73	1.32	0.55	0.24	NoLiq	12.05	55.22	2.263	0.0E0	0.000	0.748
19.80	0.73	1.32	0.55	0.24	99.70	12.23	55.61	2.240	1.3E-2	0.013	0.761
19.75	0.73	1.32	0.55	0.24	99.38	12.41	56.00	2.216	1.3E-2	0.013	0.775
19.70	0.73	1.32	0.55	0.25	99.06	12.59	56.38	2.193	1.3E-2	0.013	0.788
19.65	0.73	1.32	0.55	0.25	98.73	12.77	56.76	2.169	1.3E-2	0.013	0.801
19.60	0.73	1.32	0.55	0.25	98.41	12.95	57.14	2.146	1.3E-2	0.013	0.814
19.55	0.73	1.32	0.55	0.26	98.08	13.13	57.51	2.122	1.3E-2	0.013	0.827
19.50	0.73	1.32	0.55	0.26	97.76	13.31	57.89	2.098	1.3E-2	0.013	0.839
19.45	0.73	1.32	0.55	0.26	97.44	13.49	58.26	2.075	1.2E-2	0.012	0.852
19.40	0.73	1.32	0.55	0.27	97.11	13.67	58.63	2.051	1.2E-2	0.012	0.864
19.35	0.73	1.32	0.55	0.27	96.79	13.85	59.00	2.027	1.2E-2	0.012	0.876
19.30	0.73	1.32	0.55	0.28	96.46	14.03	59.36	2.003	1.2E-2	0.012	0.888
19.25	0.73	1.32	0.55	0.28	96.14	14.21	59.73	1.987	1.2E-2	0.012	0.900
19.20	0.73	1.32	0.55	0.28	95.82	14.40	60.09	1.972	1.2E-2	0.012	0.912
19.15	0.73	1.32	0.55	0.29	95.49	14.58	60.45	1.956	1.2E-2	0.012	0.924
19.10	0.73	1.32	0.55	0.29	95.17	14.76	60.81	1.941	1.2E-2	0.012	0.935
19.05	0.73	1.32	0.55	0.29	94.84	14.94	61.16	1.926	1.2E-2	0.012	0.947
19.00	0.73	1.32	0.55	0.30	94.52	15.13	61.52	1.911	1.1E-2	0.011	0.958
18.95	0.73	1.32	0.55	0.30	94.20	15.31	61.88	1.895	1.1E-2	0.011	0.970
18.90	0.73	1.32	0.55	0.30	93.87	15.49	62.23	1.880	1.1E-2	0.011	0.981
18.85	0.73	1.32	0.55	0.31	93.55	15.67	62.58	1.865	1.1E-2	0.011	0.992
18.80	0.73	1.32	0.55	0.31	93.22	15.86	62.93	1.849	1.1E-2	0.011	1.003
18.75	0.73	1.32	0.55	0.31	92.90	16.04	63.28	1.834	1.1E-2	0.011	1.014
18.70	0.73	1.32	0.55	0.32	92.58	16.23	63.63	1.819	1.1E-2	0.011	1.025
18.65	0.73	1.32	0.55	0.32	92.25	16.41	63.98	1.803	1.1E-2	0.011	1.036
18.60	0.73	1.32	0.55	0.32	91.93	16.59	64.32	1.788	1.1E-2	0.011	1.047
18.55	0.73	1.32	0.55	0.33	91.60	16.78	64.67	1.772	1.1E-2	0.011	1.057
18.50	0.73	1.32	0.55	0.33	91.28	16.96	65.01	1.757	1.1E-2	0.011	1.068
18.45	0.73	1.32	0.55	0.34	90.96	17.15	65.36	1.741	1.0E-2	0.010	1.078
18.40	0.73	1.32	0.55	0.34	90.63	17.34	65.70	1.726	1.0E-2	0.010	1.089
18.35	0.73	1.32	0.55	0.34	90.31	17.52	66.04	1.710	1.0E-2	0.010	1.099
18.30	0.73	1.32	0.55	0.35	89.98	17.71	66.38	1.694	1.0E-2	0.010	1.109
18.25	0.73	1.32	0.55	0.35	89.66	17.89	66.72	1.679	1.0E-2	0.010	1.119
18.20	0.73	1.32	0.55	0.35	89.34	18.08	67.07	1.663	1.0E-2	0.010	1.129
18.15	0.73	1.32	0.55	0.36	89.01	18.27	67.41	1.648	9.9E-3	0.010	1.139
18.10	0.73	1.32	0.55	0.36	88.69	18.46	67.75	1.632	9.8E-3	0.010	1.149
18.05	0.73	1.32	0.55	0.36	88.36	18.64	68.09	1.616	9.7E-3	0.010	1.158
18.00	0.73	1.32	0.55	0.37	88.04	18.83	68.43	1.601	9.6E-3	0.010	1.168
17.95	0.73	1.32	0.55	0.37	87.72	19.02	68.77	1.585	9.5E-3	0.010	1.178
17.90	0.73	1.32	0.55	0.38	87.39	19.21	69.11	1.569	9.4E-3	0.009	1.187
17.85	0.73	1.32	0.55	0.38	87.07	19.40	69.45	1.553	9.3E-3	0.009	1.196
17.80	0.73	1.32	0.55	0.38	86.74	19.58	69.79	1.537	9.2E-3	0.009	1.205
17.75	0.73	1.32	0.55	0.39	86.42	19.77	70.13	1.522	9.1E-3	0.009	1.215
17.70	0.73	1.32	0.55	0.39	86.10	19.96	70.47	1.506	9.0E-3	0.009	1.224
17.65	0.73	1.32	0.55	0.39	85.77	20.15	70.81	1.492	9.0E-3	0.009	1.233
17.60	0.73	1.32	0.55	0.40	85.45	20.34	71.15	1.481	8.9E-3	0.009	1.241
17.55	0.73	1.32	0.55	0.40	85.12	20.53	71.50	1.469	8.8E-3	0.009	1.250
17.50	0.73	1.32	0.55	0.41	84.80	20.72	71.84	1.457	8.7E-3	0.009	1.259

17.45	0.73	1.32	0.55	0.41	84.48	20.91	72.18	1.445	8.7E-3	0.009	1.268
17.40	0.73	1.32	0.55	0.41	84.15	21.11	72.53	1.433	8.6E-3	0.009	1.276
17.35	0.73	1.32	0.55	0.42	83.83	21.30	72.87	1.421	8.5E-3	0.009	1.285
17.30	0.73	1.32	0.55	0.42	83.50	21.49	73.22	1.409	8.5E-3	0.008	1.293
17.25	0.73	1.32	0.55	0.43	83.18	21.68	73.57	1.397	8.4E-3	0.008	1.302
17.20	0.73	1.32	0.55	0.43	82.86	21.87	73.92	1.385	8.3E-3	0.008	1.310
17.15	0.73	1.32	0.55	0.44	82.53	22.06	74.26	1.373	8.2E-3	0.008	1.318
17.10	0.73	1.32	0.55	0.44	82.21	22.26	74.62	1.361	8.2E-3	0.008	1.326
17.05	0.73	1.32	0.55	0.44	81.88	22.45	74.97	1.349	8.1E-3	0.008	1.334
17.00	0.73	1.32	0.55	0.45	81.56	22.64	75.32	1.337	8.0E-3	0.008	1.342
16.95	0.73	1.32	0.55	0.45	81.24	22.85	75.70	1.324	7.9E-3	0.008	1.350
16.90	0.73	1.32	0.55	0.46	80.91	23.06	76.08	1.311	7.9E-3	0.008	1.358
16.85	0.73	1.32	0.55	0.46	80.59	23.27	76.47	1.298	7.8E-3	0.008	1.366
16.80	0.73	1.32	0.55	0.47	80.26	23.48	76.85	1.285	7.7E-3	0.008	1.374
16.75	0.73	1.32	0.55	0.47	79.94	23.69	77.24	1.272	7.6E-3	0.008	1.381
16.70	0.73	1.32	0.55	0.48	79.62	23.90	77.64	1.258	7.6E-3	0.008	1.389
16.65	0.73	1.32	0.55	0.49	79.29	24.11	78.03	1.245	7.5E-3	0.007	1.396
16.60	0.73	1.32	0.55	0.49	78.97	24.32	78.43	1.232	7.4E-3	0.007	1.404
16.55	0.73	1.32	0.55	0.50	78.64	24.53	78.83	1.219	7.3E-3	0.007	1.411
16.50	0.73	1.32	0.55	0.50	78.32	24.75	79.24	1.205	7.2E-3	0.007	1.418
16.45	0.73	1.32	0.55	0.51	78.00	24.96	79.64	1.192	7.2E-3	0.007	1.426
16.40	0.73	1.32	0.55	0.51	77.67	25.18	80.05	1.179	7.1E-3	0.007	1.433
16.35	0.73	1.32	0.55	0.52	77.35	25.39	80.47	1.165	7.0E-3	0.007	1.440
16.30	0.73	1.32	0.55	0.53	77.02	25.61	80.89	1.152	6.9E-3	0.007	1.446
16.25	0.73	1.32	0.55	0.53	76.70	25.82	81.31	1.138	6.8E-3	0.007	1.453
16.20	0.73	1.32	0.55	0.54	76.38	26.04	81.74	1.125	6.7E-3	0.007	1.460
16.15	0.73	1.32	0.55	0.55	76.05	26.26	82.17	1.111	6.7E-3	0.007	1.467
16.10	0.73	1.32	0.56	0.56	75.73	26.48	82.60	1.097	6.6E-3	0.007	1.473
16.05	0.73	1.32	0.56	0.56	75.40	26.70	83.04	1.083	6.5E-3	0.007	1.480
16.00	0.73	1.32	0.56	0.57	75.08	26.92	83.49	1.070	6.4E-3	0.006	1.486
15.95	0.73	1.32	0.56	0.58	74.76	27.14	83.94	1.056	6.3E-3	0.006	1.493
15.90	0.73	1.32	0.56	0.59	74.43	27.36	84.39	1.042	6.3E-3	0.006	1.499
15.85	0.73	1.32	0.56	0.60	74.11	27.59	84.85	1.028	6.2E-3	0.006	1.505
15.80	0.73	1.32	0.56	0.61	73.78	27.81	85.31	1.014	6.1E-3	0.006	1.511
15.75	0.73	1.32	0.56	0.62	73.46	28.03	85.78	1.000	6.0E-3	0.006	1.517
15.70	0.73	1.32	0.56	0.63	73.14	28.26	86.26	0.971	5.8E-3	0.006	1.523
15.65	0.73	1.32	0.56	0.64	72.81	28.49	86.74	0.943	5.7E-3	0.006	1.529
15.60	0.73	1.32	0.56	0.66	72.49	28.71	87.22	0.914	5.5E-3	0.005	1.534
15.55	0.73	1.32	0.56	0.67	72.16	28.94	87.71	0.885	5.3E-3	0.005	1.539
15.50	0.73	1.32	0.56	0.69	71.84	29.17	88.21	0.855	5.1E-3	0.005	1.544
15.45	0.73	1.32	0.56	0.71	71.52	29.40	88.71	0.826	5.0E-3	0.005	1.549
15.40	0.73	1.32	0.56	0.74	71.19	29.63	89.22	0.797	4.8E-3	0.005	1.554
15.35	0.73	1.32	0.56	0.78	70.87	29.86	89.74	0.767	4.6E-3	0.005	1.559
15.30	0.73	1.32	0.56	0.87	70.54	30.09	90.26	0.738	4.4E-3	0.004	1.563
15.25	0.73	1.32	0.56	0.90	70.22	30.32	90.79	0.708	4.2E-3	0.004	1.568
15.20	0.73	1.32	0.56	0.90	69.90	30.56	91.33	0.678	4.1E-3	0.004	1.572
15.15	0.73	1.32	0.56	0.90	69.57	30.79	91.87	0.649	3.9E-3	0.004	1.575
15.10	0.73	1.32	0.56	0.90	69.25	31.03	92.42	0.619	3.7E-3	0.004	1.579
15.05	0.73	1.32	0.56	0.90	68.92	31.26	92.98	0.589	3.5E-3	0.004	1.583
15.00	0.73	1.32	0.56	0.90	68.60	31.50	93.55	0.558	3.3E-3	0.003	1.586
14.95	0.73	1.32	0.56	0.90	68.60	31.54	93.66	0.553	3.3E-3	0.003	1.589
14.90	0.73	1.32	0.56	0.90	68.60	31.59	93.77	0.547	3.3E-3	0.003	1.593
14.85	0.73	1.32	0.56	0.90	68.60	31.64	93.87	0.541	3.2E-3	0.003	1.596
14.80	0.74	1.32	0.56	0.90	68.60	31.68	93.98	0.535	3.2E-3	0.003	1.599
14.75	0.74	1.32	0.56	0.67	68.60	28.91	87.65	0.888	5.3E-3	0.005	1.604
14.70	0.74	1.32	0.56	0.67	68.60	28.95	87.74	0.883	5.3E-3	0.005	1.610
14.65	0.74	1.32	0.56	0.67	68.60	29.00	87.83	0.877	5.3E-3	0.005	1.615
14.60	0.74	1.32	0.56	0.68	68.60	29.04	87.92	0.872	5.2E-3	0.005	1.620
14.55	0.74	1.32	0.56	0.68	68.60	29.08	88.01	0.867	5.2E-3	0.005	1.625
14.50	0.74	1.32	0.56	0.68	68.60	29.12	88.11	0.862	5.2E-3	0.005	1.631
14.45	0.74	1.32	0.56	0.68	68.60	29.16	88.20	0.856	5.1E-3	0.005	1.636
14.40	0.74	1.32	0.56	0.69	68.60	29.21	88.29	0.851	5.1E-3	0.005	1.641
14.35	0.74	1.32	0.56	0.69	68.60	29.25	88.38	0.845	5.1E-3	0.005	1.646
14.30	0.74	1.32	0.56	0.70	68.60	29.29	88.48	0.840	5.0E-3	0.005	1.651
14.25	0.74	1.32	0.56	0.70	68.60	29.33	88.57	0.834	5.0E-3	0.005	1.656
14.20	0.74	1.32	0.56	0.70	68.60	29.38	88.67	0.829	5.0E-3	0.005	1.661
14.15	0.74	1.32	0.56	0.71	68.60	29.42	88.76	0.823	4.9E-3	0.005	1.666
14.10	0.74	1.32	0.56	0.71	68.60	29.46	88.86	0.818	4.9E-3	0.005	1.671
14.05	0.74	1.32	0.56	0.72	68.60	29.51	88.96	0.812	4.9E-3	0.005	1.676
14.00	0.74	1.32	0.56	0.72	68.60	29.55	89.06	0.806	4.8E-3	0.005	1.680
13.95	0.74	1.32	0.56	0.73	68.60	29.60	89.15	0.801	4.8E-3	0.005	1.685
13.90	0.74	1.32	0.56	0.73	68.60	29.64	89.25	0.795	4.8E-3	0.005	1.690
13.85	0.74	1.32	0.56	0.74	68.60	29.69	89.35	0.789	4.7E-3	0.005	1.695

13.80	0.74	1.32	0.56	0.75	68.60	29.73	89.45	0.784	4.7E-3	0.005	1.700
13.75	0.74	1.32	0.56	0.76	68.60	29.78	89.56	0.778	4.7E-3	0.005	1.704
13.70	0.74	1.32	0.56	0.77	68.60	29.82	89.66	0.772	4.6E-3	0.005	1.709
13.65	0.74	1.32	0.56	0.78	68.60	29.87	89.76	0.766	4.6E-3	0.005	1.713
13.60	0.74	1.32	0.56	0.79	68.60	29.91	89.86	0.760	4.6E-3	0.005	1.718
13.55	0.74	1.32	0.56	0.81	68.60	29.96	89.97	0.754	4.5E-3	0.005	1.722
13.50	0.74	1.32	0.56	0.82	68.60	30.01	90.07	0.748	4.5E-3	0.004	1.727
13.45	0.74	1.32	0.56	0.84	68.60	30.05	90.18	0.742	4.5E-3	0.004	1.731
13.40	0.74	1.32	0.56	0.87	68.60	30.10	90.29	0.736	4.4E-3	0.004	1.736
13.35	0.74	1.32	0.56	0.89	68.60	30.15	90.39	0.730	4.4E-3	0.004	1.740
13.30	0.74	1.32	0.56	0.89	68.60	30.20	90.50	0.724	4.3E-3	0.004	1.745
13.25	0.74	1.32	0.56	0.89	68.60	30.24	90.61	0.718	4.3E-3	0.004	1.749
13.20	0.74	1.32	0.56	0.89	68.60	30.29	90.72	0.712	4.3E-3	0.004	1.753
13.15	0.74	1.32	0.56	0.89	68.60	30.34	90.83	0.706	4.2E-3	0.004	1.757
13.10	0.74	1.32	0.56	0.89	68.60	30.39	90.94	0.700	4.2E-3	0.004	1.762
13.05	0.74	1.32	0.56	0.89	68.60	30.44	91.06	0.693	4.2E-3	0.004	1.766
13.00	0.74	1.32	0.56	0.89	68.60	30.49	91.17	0.687	4.1E-3	0.004	1.770
12.95	0.74	1.32	0.56	0.89	68.60	30.54	91.28	0.681	4.1E-3	0.004	1.774
12.90	0.74	1.32	0.56	0.89	68.60	30.59	91.40	0.675	4.0E-3	0.004	1.778
12.85	0.74	1.32	0.56	0.89	68.60	30.64	91.52	0.668	4.0E-3	0.004	1.782
12.80	0.74	1.32	0.56	0.89	68.60	30.69	91.63	0.662	4.0E-3	0.004	1.786
12.75	0.74	1.32	0.56	0.89	68.60	30.74	91.75	0.655	3.9E-3	0.004	1.790
12.70	0.74	1.32	0.56	0.89	68.60	30.79	91.87	0.649	3.9E-3	0.004	1.794
12.65	0.74	1.32	0.56	0.89	68.60	30.84	91.99	0.642	3.9E-3	0.004	1.798
12.60	0.74	1.32	0.56	0.89	68.60	30.89	92.11	0.636	3.8E-3	0.004	1.801
12.55	0.74	1.32	0.56	0.89	68.60	30.94	92.23	0.629	3.8E-3	0.004	1.805
12.50	0.74	1.32	0.56	0.89	68.60	31.00	92.35	0.622	3.7E-3	0.004	1.809
12.45	0.74	1.32	0.56	0.89	68.60	31.05	92.48	0.616	3.7E-3	0.004	1.813
12.40	0.74	1.32	0.56	0.89	68.60	31.10	92.60	0.609	3.7E-3	0.004	1.816
12.35	0.74	1.32	0.56	0.89	68.60	31.16	92.73	0.602	3.6E-3	0.004	1.820
12.30	0.74	1.32	0.56	0.89	68.60	31.21	92.85	0.595	3.6E-3	0.004	1.824
12.25	0.74	1.32	0.56	0.89	68.60	31.26	92.98	0.589	3.5E-3	0.004	1.827
12.20	0.74	1.32	0.56	0.89	68.60	31.32	93.11	0.582	3.5E-3	0.003	1.831
12.15	0.74	1.32	0.56	0.89	68.60	31.37	93.24	0.575	3.4E-3	0.003	1.834
12.10	0.74	1.32	0.56	0.89	68.60	31.43	93.37	0.568	3.4E-3	0.003	1.837
12.05	0.74	1.32	0.56	0.89	68.60	31.48	93.50	0.561	3.4E-3	0.003	1.841
12.00	0.74	1.32	0.56	0.89	68.60	31.54	93.64	0.554	3.3E-3	0.003	1.844
11.95	0.74	1.32	0.56	0.89	68.60	31.59	93.77	0.546	3.3E-3	0.003	1.847
11.90	0.74	1.32	0.56	0.89	68.60	31.65	93.91	0.539	3.2E-3	0.003	1.851
11.85	0.74	1.32	0.56	0.89	68.60	31.70	94.04	0.532	3.2E-3	0.003	1.854
11.80	0.74	1.32	0.56	0.89	68.60	31.76	94.18	0.525	3.1E-3	0.003	1.857
11.75	0.74	1.32	0.56	0.89	68.60	31.82	94.32	0.518	3.1E-3	0.003	1.860
11.70	0.74	1.32	0.56	0.89	68.60	31.88	94.46	0.510	3.1E-3	0.003	1.863
11.65	0.74	1.32	0.56	0.89	68.60	31.93	94.60	0.503	3.0E-3	0.003	1.866
11.60	0.74	1.32	0.56	0.89	68.60	31.99	94.74	0.493	3.0E-3	0.003	1.869
11.55	0.74	1.32	0.56	0.89	68.60	32.05	94.89	0.482	2.9E-3	0.003	1.872
11.50	0.74	1.32	0.56	0.89	68.60	32.11	95.03	0.470	2.8E-3	0.003	1.875
11.45	0.74	1.32	0.56	0.89	68.60	32.17	95.18	0.459	2.8E-3	0.003	1.878
11.40	0.74	1.32	0.56	0.89	68.60	32.23	95.33	0.447	2.7E-3	0.003	1.880
11.35	0.74	1.32	0.56	0.89	68.60	32.29	95.48	0.435	2.6E-3	0.003	1.883
11.30	0.74	1.32	0.56	0.89	68.60	32.35	95.63	0.424	2.5E-3	0.003	1.885
11.25	0.74	1.32	0.56	0.89	68.60	32.41	95.78	0.412	2.5E-3	0.002	1.888
11.20	0.74	1.32	0.56	0.89	68.60	32.47	95.93	0.400	2.4E-3	0.002	1.890
11.15	0.74	1.32	0.56	0.89	68.60	32.53	96.09	0.388	2.3E-3	0.002	1.893
11.10	0.74	1.32	0.56	0.89	68.60	32.60	96.24	0.376	2.3E-3	0.002	1.895
11.05	0.74	1.32	0.56	0.89	68.60	32.66	96.40	0.364	2.2E-3	0.002	1.897
11.00	0.74	1.32	0.56	0.89	68.60	32.72	96.56	0.351	2.1E-3	0.002	1.899
10.95	0.74	1.32	0.56	0.89	68.60	32.79	96.72	0.339	2.0E-3	0.002	1.901
10.90	0.74	1.32	0.56	0.89	68.60	32.85	96.88	0.327	2.0E-3	0.002	1.903
10.85	0.74	1.32	0.56	0.89	68.60	32.91	97.05	0.314	1.9E-3	0.002	1.905
10.80	0.74	1.32	0.56	0.89	68.60	32.98	97.21	0.302	1.8E-3	0.002	1.907
10.75	0.74	1.32	0.56	0.89	68.60	33.04	97.38	0.289	1.7E-3	0.002	1.909
10.70	0.74	1.32	0.56	0.89	68.60	33.11	97.55	0.276	1.7E-3	0.002	1.910
10.65	0.74	1.32	0.56	0.89	68.60	33.17	97.72	0.263	1.6E-3	0.002	1.912
10.60	0.74	1.32	0.56	0.89	68.60	33.24	97.89	0.250	1.5E-3	0.002	1.913
10.55	0.74	1.32	0.56	0.89	68.60	33.31	98.07	0.237	1.4E-3	0.001	1.915
10.50	0.74	1.32	0.56	0.89	68.60	33.38	98.24	0.224	1.3E-3	0.001	1.916
10.45	0.74	1.32	0.56	0.89	68.60	33.44	98.42	0.211	1.3E-3	0.001	1.917
10.40	0.74	1.32	0.56	0.89	68.60	33.51	98.60	0.200	1.2E-3	0.001	1.919
10.35	0.74	1.32	0.56	0.89	68.60	33.58	98.78	0.197	1.2E-3	0.001	1.920
10.30	0.74	1.32	0.56	0.89	68.60	33.65	98.96	0.195	1.2E-3	0.001	1.921
10.25	0.75	1.32	0.56	0.89	68.60	33.72	99.14	0.193	1.2E-3	0.001	1.922
10.20	0.75	1.32	0.56	0.89	68.60	33.79	99.33	0.191	1.1E-3	0.001	1.923

10.15	0.75	1.32	0.56	0.89	68.60	33.86	99.52	0.188	1.1E-3	0.001	1.924
10.10	0.75	1.32	0.57	0.88	68.60	33.93	99.71	0.186	1.1E-3	0.001	1.925
10.05	0.75	1.32	0.57	0.88	68.60	34.00	99.90	0.184	1.1E-3	0.001	1.927
10.00	0.75	1.32	0.57	0.88	68.60	34.08	100.00	0.181	1.1E-3	0.001	1.928

Settlement of Saturated Sands=1.928 in.
qc1 and (N1)60 is after fines correction in liquefaction analysis
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

Depth	sigma'	sigC'	(N1)60s	CSRsf	Gmax	g*Ge/Gm	g_eff	ec7.5	Cec	ec	dsz	dsp	S
ft	atm	atm			atm			%		%	in.	in.	in.

Settlement of Unsaturated Sands

Settlement of Unsaturated Sands=0.000 in.
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=1.928 in.
Differential Settlement=0.964 to 1.272 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf(1 tsf = 1 ton/ft2 = 2 kip/ft2)
1 atm (atmosphere) = 101.325 kPa(1 kPa = 1 kN/m2 = 0.001 Mpa)

SPT	Field data from Standard Penetration Test (SPT)
BPT	Field data from Becker Penetration Test (BPT)
qc	Field data from Cone Penetration Test (CPT) [atm (tsf)]
fs	Friction from CPT testing [atm (tsf)]
Rf	Ratio of fs/qc (%)
gamma	Total unit weight of soil
gamma'	Effective unit weight of soil
Fines	Fines content [%]
D50	Mean grain size
Dr	Relative Density
sigma	Total vertical stress [atm]
sigma'	Effective vertical stress [atm]
sigC'	Effective confining pressure [atm]
rd	Acceleration reduction coefficient by Seed
a_max.	Peak Ground Acceleration (PGA) in ground surface
mZ	Linear acceleration reduction coefficient X depth
a_min.	Minimum acceleration under linear reduction, mZ
CRRv	CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
CRR7.5	Cyclic resistance ratio (M=7.5)
Ksig	Overburden stress correction factor for CRR7.5
CRRm	After magnitude scaling correction CRRm=CRRv * MSF
MSF	Magnitude scaling factor from M=7.5 to user input M
CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F.S.	Calculated factor of safety against liquefaction F.S.=CRRm/CSRsf
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT
qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1

qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement calculation CSRm=CSRsf / MSF*
CSRfs	Cyclic stress ratio induced by earthquake with user inputed fs
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2 of Page C.
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5
NoLiq	No-Liquefy Soils

References:

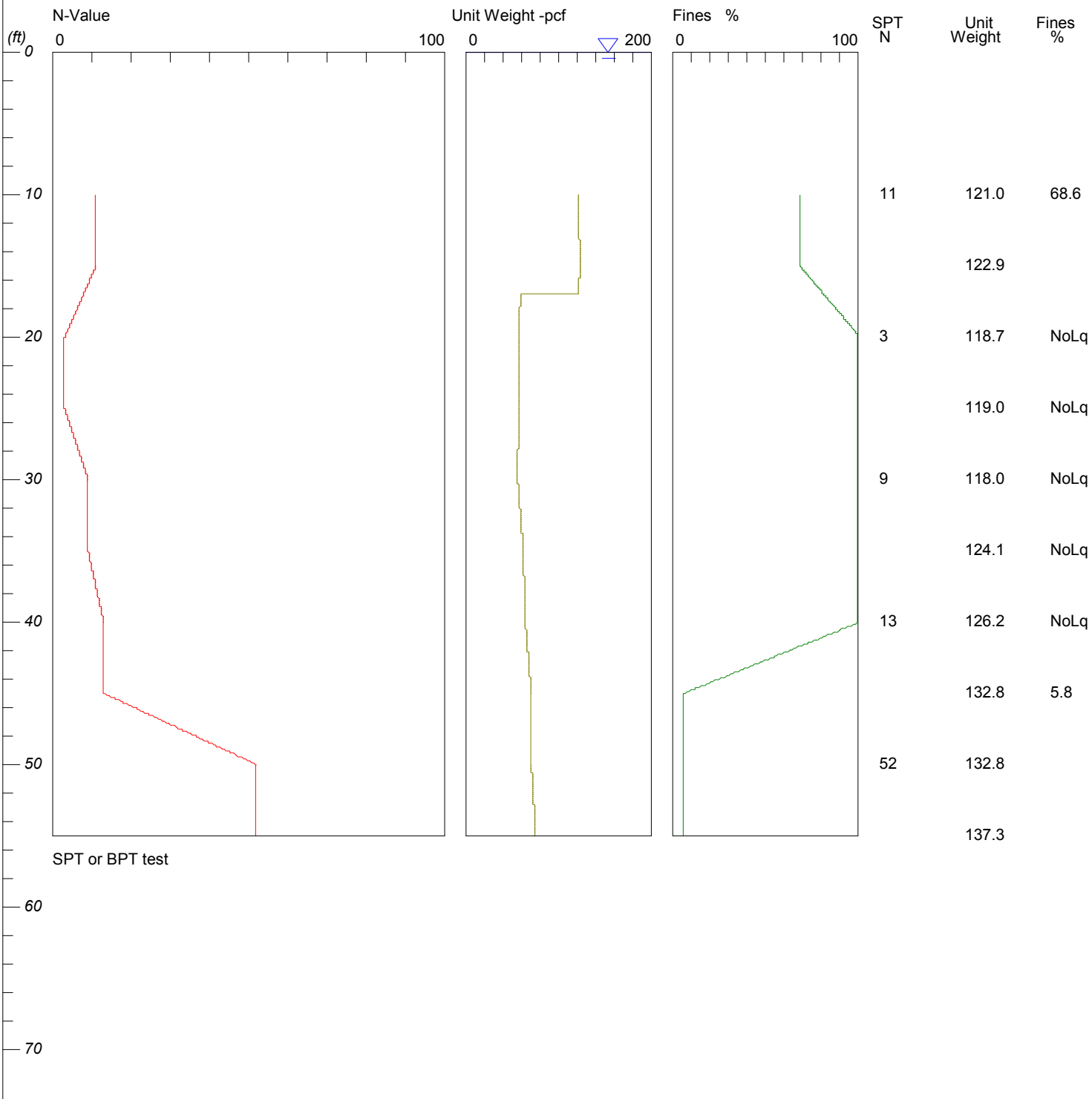
1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T.L., and Idriss, I.M., eds., Technical Report NCEER 97-0022.
SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for
Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.
2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth
International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center,
Report No. EERC 2003-06 by R.B Seed and etc. April 2003.

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-3-18 ***Water Depth=0 ft***

Magnitude=6.77
Acceleration=0.776g



SPT N	Unit Weight	Fines %
11	121.0	68.6
	122.9	
3	118.7	NoLq
	119.0	NoLq
9	118.0	NoLq
	124.1	NoLq
13	126.2	NoLq
	132.8	5.8
52	132.8	
	137.3	

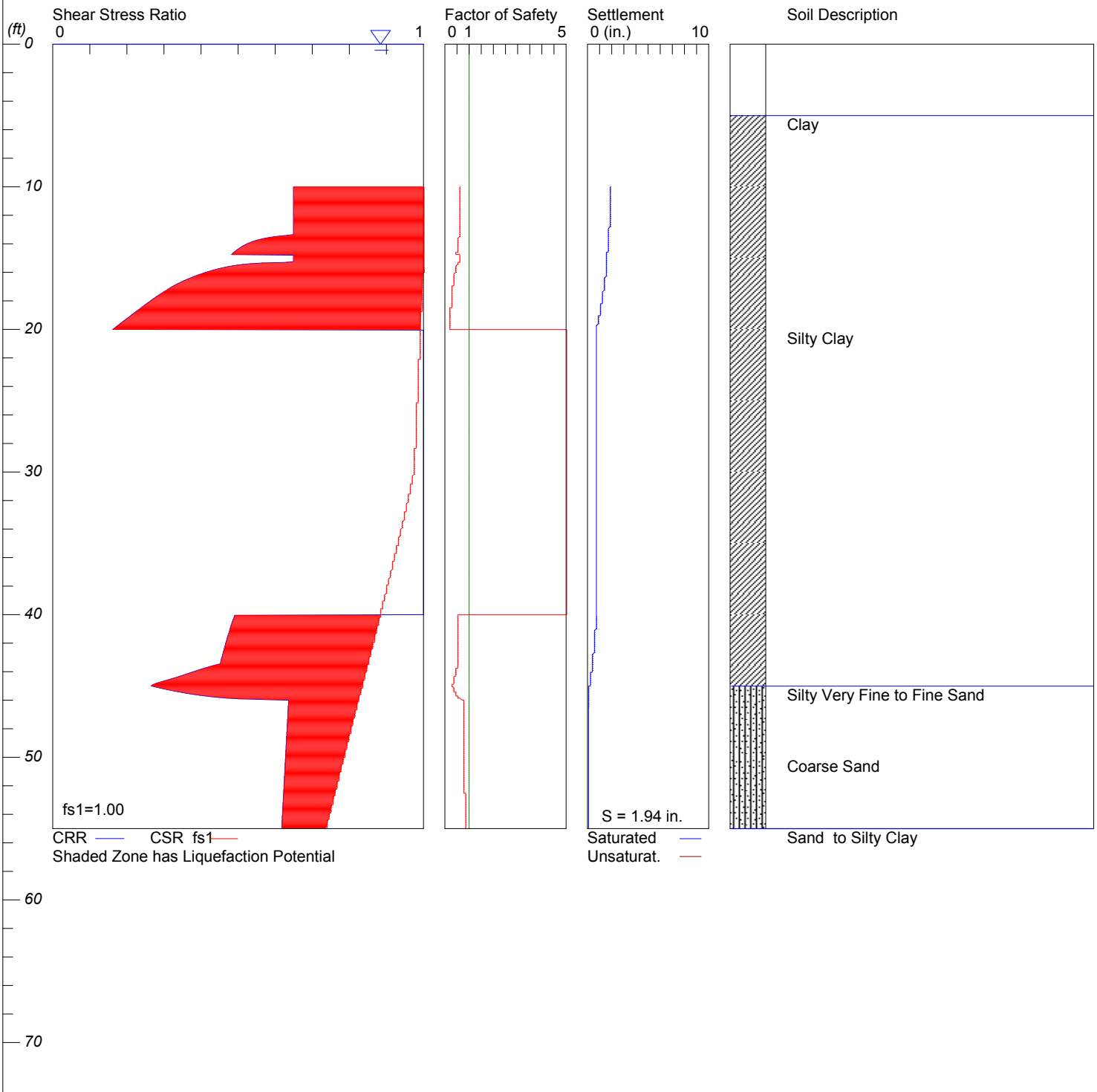
LiquefyPro CivilTech Software USA www.civiltech.com

LIQUEFACTION ANALYSIS

Sportsmen's Lodge

Hole No.=B-3-18 ***Water Depth=0 ft***

Magnitude=6.77
Acceleration=0.776g



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Input File Name: C:\Users\jgurunathan\OneDrive\Work\Projects\6792A -- Sportsmens August 2018\Liquefaction\B-3-18 Full.liq
Title: Sportsmen's Lodge
Subtitle: Boring B-3-18 Analysis (2/3 PGAm)

Input Data:
Surface Elev.=
Hole No.=B-3-18
Depth of Hole=55.00 ft
Water Table during Earthquake= 0.00 ft
Water Table during In-Situ Testing= 17.00 ft
Max. Acceleration=0.78 g
Earthquake Magnitude=6.77
No-Liquefiable Soils: Based on Analysis
1. SPT or BPT Calculation.
2. Settlement Analysis Method: Tokimatsu, M-correction
3. Fines Correction for Liquefaction: Idriss/Seed
4. Fine Correction for Settlement: During Liquefaction*
5. Settlement Calculation in: All zones*
6. Hammer Energy Ratio, Ce = 1.42
7. Borehole Diameter, Cb= 1.15
8. Sampling Method, Cs= 1.2
9. User request factor of safety (apply to CSR) , User= 1.0
Plot one CSR curve (fs1=User)
10. Average two input data between two Depths: Yes*
* Recommended Options

In-Situ Test Data:

Depth ft	SPT	Gamma pcf	Fines %
10.00	11.00	121.00	68.60
15.00	11.00	122.90	68.60
20.00	3.00	118.70	NoLiq
25.00	3.00	119.00	NoLiq
30.00	9.00	118.00	NoLiq
35.00	9.00	124.10	NoLiq
40.00	13.00	126.20	NoLiq
45.00	13.00	132.80	5.80
50.00	52.00	132.80	5.80
55.00	52.00	137.30	5.80

Output Results:
Calculation segment, dz=0.050 ft
User defined Print Interval, dp=0.05 ft

Peak Ground Acceleration (PGA), a_max = 0.78g

CSR Calculation:

Depth ft	gamma pcf	sigma atm	gamma' pcf	sigma' atm	rd	mZ g	a(z) g	CSR	x fs1	=CSRfs
10.00	121.00	0.572	58.60	0.277	0.98	0.000	0.776	1.02	1.00	1.02
10.05	121.02	0.575	58.62	0.278	0.98	0.000	0.776	1.02	1.00	1.02
10.10	121.04	0.577	58.64	0.280	0.98	0.000	0.776	1.02	1.00	1.02
10.15	121.06	0.580	58.66	0.281	0.98	0.000	0.776	1.02	1.00	1.02
10.20	121.08	0.583	58.68	0.282	0.98	0.000	0.776	1.02	1.00	1.02
10.25	121.10	0.586	58.69	0.284	0.98	0.000	0.776	1.02	1.00	1.02
10.30	121.11	0.589	58.71	0.285	0.98	0.000	0.776	1.02	1.00	1.02
10.35	121.13	0.592	58.73	0.287	0.98	0.000	0.776	1.02	1.00	1.02
10.40	121.15	0.595	58.75	0.288	0.98	0.000	0.776	1.02	1.00	1.02

10.45	121.17	0.598	58.77	0.289	0.98	0.000	0.776	1.02	1.00	1.02
10.50	121.19	0.600	58.79	0.291	0.98	0.000	0.776	1.02	1.00	1.02
10.55	121.21	0.603	58.81	0.292	0.98	0.000	0.776	1.02	1.00	1.02
10.60	121.23	0.606	58.83	0.294	0.98	0.000	0.776	1.02	1.00	1.02
10.65	121.25	0.609	58.85	0.295	0.98	0.000	0.776	1.02	1.00	1.02
10.70	121.27	0.612	58.87	0.296	0.98	0.000	0.776	1.02	1.00	1.02
10.75	121.29	0.615	58.89	0.298	0.97	0.000	0.776	1.02	1.00	1.02
10.80	121.30	0.618	58.90	0.299	0.97	0.000	0.776	1.02	1.00	1.02
10.85	121.32	0.620	58.92	0.301	0.97	0.000	0.776	1.02	1.00	1.02
10.90	121.34	0.623	58.94	0.302	0.97	0.000	0.776	1.01	1.00	1.01
10.95	121.36	0.626	58.96	0.303	0.97	0.000	0.776	1.01	1.00	1.01
11.00	121.38	0.629	58.98	0.305	0.97	0.000	0.776	1.01	1.00	1.01
11.05	121.40	0.632	59.00	0.306	0.97	0.000	0.776	1.01	1.00	1.01
11.10	121.42	0.635	59.02	0.307	0.97	0.000	0.776	1.01	1.00	1.01
11.15	121.44	0.638	59.04	0.309	0.97	0.000	0.776	1.01	1.00	1.01
11.20	121.46	0.641	59.06	0.310	0.97	0.000	0.776	1.01	1.00	1.01
11.25	121.47	0.643	59.07	0.312	0.97	0.000	0.776	1.01	1.00	1.01
11.30	121.49	0.646	59.09	0.313	0.97	0.000	0.776	1.01	1.00	1.01
11.35	121.51	0.649	59.11	0.314	0.97	0.000	0.776	1.01	1.00	1.01
11.40	121.53	0.652	59.13	0.316	0.97	0.000	0.776	1.01	1.00	1.01
11.45	121.55	0.655	59.15	0.317	0.97	0.000	0.776	1.01	1.00	1.01
11.50	121.57	0.658	59.17	0.319	0.97	0.000	0.776	1.01	1.00	1.01
11.55	121.59	0.661	59.19	0.320	0.97	0.000	0.776	1.01	1.00	1.01
11.60	121.61	0.663	59.21	0.321	0.97	0.000	0.776	1.01	1.00	1.01
11.65	121.63	0.666	59.23	0.323	0.97	0.000	0.776	1.01	1.00	1.01
11.70	121.65	0.669	59.25	0.324	0.97	0.000	0.776	1.01	1.00	1.01
11.75	121.67	0.672	59.26	0.326	0.97	0.000	0.776	1.01	1.00	1.01
11.80	121.68	0.675	59.28	0.327	0.97	0.000	0.776	1.01	1.00	1.01
11.85	121.70	0.678	59.30	0.328	0.97	0.000	0.776	1.01	1.00	1.01
11.90	121.72	0.681	59.32	0.330	0.97	0.000	0.776	1.01	1.00	1.01
11.95	121.74	0.684	59.34	0.331	0.97	0.000	0.776	1.01	1.00	1.01
12.00	121.76	0.686	59.36	0.333	0.97	0.000	0.776	1.01	1.00	1.01
12.05	121.78	0.689	59.38	0.334	0.97	0.000	0.776	1.01	1.00	1.01
12.10	121.80	0.692	59.40	0.335	0.97	0.000	0.776	1.01	1.00	1.01
12.15	121.82	0.695	59.42	0.337	0.97	0.000	0.776	1.01	1.00	1.01
12.20	121.84	0.698	59.44	0.338	0.97	0.000	0.776	1.01	1.00	1.01
12.25	121.86	0.701	59.46	0.340	0.97	0.000	0.776	1.01	1.00	1.01
12.30	121.87	0.704	59.47	0.341	0.97	0.000	0.776	1.01	1.00	1.01
12.35	121.89	0.707	59.49	0.342	0.97	0.000	0.776	1.01	1.00	1.01
12.40	121.91	0.710	59.51	0.344	0.97	0.000	0.776	1.01	1.00	1.01
12.45	121.93	0.712	59.53	0.345	0.97	0.000	0.776	1.01	1.00	1.01
12.50	121.95	0.715	59.55	0.347	0.97	0.000	0.776	1.01	1.00	1.01
12.55	121.97	0.718	59.57	0.348	0.97	0.000	0.776	1.01	1.00	1.01
12.60	121.99	0.721	59.59	0.350	0.97	0.000	0.776	1.01	1.00	1.01
12.65	122.01	0.724	59.61	0.351	0.97	0.000	0.776	1.01	1.00	1.01
12.70	122.03	0.727	59.63	0.352	0.97	0.000	0.776	1.01	1.00	1.01
12.75	122.05	0.730	59.65	0.354	0.97	0.000	0.776	1.01	1.00	1.01
12.80	122.06	0.733	59.66	0.355	0.97	0.000	0.776	1.01	1.00	1.01
12.85	122.08	0.735	59.68	0.357	0.97	0.000	0.776	1.01	1.00	1.01
12.90	122.10	0.738	59.70	0.358	0.97	0.000	0.776	1.01	1.00	1.01
12.95	122.12	0.741	59.72	0.359	0.97	0.000	0.776	1.01	1.00	1.01
13.00	122.14	0.744	59.74	0.361	0.97	0.000	0.776	1.01	1.00	1.01
13.05	122.16	0.747	59.76	0.362	0.97	0.000	0.776	1.01	1.00	1.01
13.10	122.18	0.750	59.78	0.364	0.97	0.000	0.776	1.01	1.00	1.01
13.15	122.20	0.753	59.80	0.365	0.97	0.000	0.776	1.01	1.00	1.01
13.20	122.22	0.756	59.82	0.366	0.97	0.000	0.776	1.01	1.00	1.01
13.25	122.24	0.759	59.84	0.368	0.97	0.000	0.776	1.01	1.00	1.01
13.30	122.25	0.761	59.85	0.369	0.97	0.000	0.776	1.01	1.00	1.01
13.35	122.27	0.764	59.87	0.371	0.97	0.000	0.776	1.01	1.00	1.01
13.40	122.29	0.767	59.89	0.372	0.97	0.000	0.776	1.01	1.00	1.01
13.45	122.31	0.770	59.91	0.373	0.97	0.000	0.776	1.01	1.00	1.01
13.50	122.33	0.773	59.93	0.375	0.97	0.000	0.776	1.01	1.00	1.01
13.55	122.35	0.776	59.95	0.376	0.97	0.000	0.776	1.01	1.00	1.01
13.60	122.37	0.779	59.97	0.378	0.97	0.000	0.776	1.01	1.00	1.01
13.65	122.39	0.782	59.99	0.379	0.97	0.000	0.776	1.01	1.00	1.01
13.70	122.41	0.785	60.01	0.381	0.97	0.000	0.776	1.01	1.00	1.01
13.75	122.43	0.787	60.03	0.382	0.97	0.000	0.776	1.01	1.00	1.01
13.80	122.44	0.790	60.04	0.383	0.97	0.000	0.776	1.01	1.00	1.01
13.85	122.46	0.793	60.06	0.385	0.97	0.000	0.776	1.01	1.00	1.01
13.90	122.48	0.796	60.08	0.386	0.97	0.000	0.776	1.01	1.00	1.01
13.95	122.50	0.799	60.10	0.388	0.97	0.000	0.776	1.01	1.00	1.01
14.00	122.52	0.802	60.12	0.389	0.97	0.000	0.776	1.01	1.00	1.01
14.05	122.54	0.805	60.14	0.391	0.97	0.000	0.776	1.01	1.00	1.01

14.10	122.56	0.808	60.16	0.392	0.97	0.000	0.776	1.01	1.00	1.01
14.15	122.58	0.811	60.18	0.393	0.97	0.000	0.776	1.01	1.00	1.01
14.20	122.60	0.813	60.20	0.395	0.97	0.000	0.776	1.00	1.00	1.00
14.25	122.62	0.816	60.22	0.396	0.97	0.000	0.776	1.00	1.00	1.00
14.30	122.63	0.819	60.23	0.398	0.97	0.000	0.776	1.00	1.00	1.00
14.35	122.65	0.822	60.25	0.399	0.97	0.000	0.776	1.00	1.00	1.00
14.40	122.67	0.825	60.27	0.400	0.97	0.000	0.776	1.00	1.00	1.00
14.45	122.69	0.828	60.29	0.402	0.97	0.000	0.776	1.00	1.00	1.00
14.50	122.71	0.831	60.31	0.403	0.97	0.000	0.776	1.00	1.00	1.00
14.55	122.73	0.834	60.33	0.405	0.97	0.000	0.776	1.00	1.00	1.00
14.60	122.75	0.837	60.35	0.406	0.97	0.000	0.776	1.00	1.00	1.00
14.65	122.77	0.840	60.37	0.408	0.97	0.000	0.776	1.00	1.00	1.00
14.70	122.79	0.842	60.39	0.409	0.97	0.000	0.776	1.00	1.00	1.00
14.75	122.81	0.845	60.41	0.410	0.97	0.000	0.776	1.00	1.00	1.00
14.80	122.82	0.848	60.42	0.412	0.97	0.000	0.776	1.00	1.00	1.00
14.85	122.84	0.851	60.44	0.413	0.97	0.000	0.776	1.00	1.00	1.00
14.90	122.86	0.854	60.46	0.415	0.97	0.000	0.776	1.00	1.00	1.00
14.95	122.88	0.857	60.48	0.416	0.97	0.000	0.776	1.00	1.00	1.00
15.00	122.90	0.860	60.50	0.418	0.97	0.000	0.776	1.00	1.00	1.00
15.05	122.86	0.863	60.46	0.419	0.96	0.000	0.776	1.00	1.00	1.00
15.10	122.82	0.866	60.42	0.420	0.96	0.000	0.776	1.00	1.00	1.00
15.15	122.77	0.869	60.37	0.422	0.96	0.000	0.776	1.00	1.00	1.00
15.20	122.73	0.872	60.33	0.423	0.96	0.000	0.776	1.00	1.00	1.00
15.25	122.69	0.874	60.29	0.425	0.96	0.000	0.776	1.00	1.00	1.00
15.30	122.65	0.877	60.25	0.426	0.96	0.000	0.776	1.00	1.00	1.00
15.35	122.61	0.880	60.21	0.428	0.96	0.000	0.776	1.00	1.00	1.00
15.40	122.56	0.883	60.16	0.429	0.96	0.000	0.776	1.00	1.00	1.00
15.45	122.52	0.886	60.12	0.430	0.96	0.000	0.776	1.00	1.00	1.00
15.50	122.48	0.889	60.08	0.432	0.96	0.000	0.776	1.00	1.00	1.00
15.55	122.44	0.892	60.04	0.433	0.96	0.000	0.776	1.00	1.00	1.00
15.60	122.40	0.895	60.00	0.435	0.96	0.000	0.776	1.00	1.00	1.00
15.65	122.35	0.898	59.95	0.436	0.96	0.000	0.776	1.00	1.00	1.00
15.70	122.31	0.900	59.91	0.438	0.96	0.000	0.776	1.00	1.00	1.00
15.75	122.27	0.903	59.87	0.439	0.96	0.000	0.776	1.00	1.00	1.00
15.80	122.23	0.906	59.83	0.440	0.96	0.000	0.776	1.00	1.00	1.00
15.85	122.19	0.909	59.79	0.442	0.96	0.000	0.776	1.00	1.00	1.00
15.90	122.14	0.912	59.74	0.443	0.96	0.000	0.776	1.00	1.00	1.00
15.95	122.10	0.915	59.70	0.445	0.96	0.000	0.776	1.00	1.00	1.00
16.00	122.06	0.918	59.66	0.446	0.96	0.000	0.776	1.00	1.00	1.00
16.05	122.02	0.921	59.62	0.447	0.96	0.000	0.776	1.00	1.00	1.00
16.10	121.98	0.924	59.58	0.449	0.96	0.000	0.776	1.00	1.00	1.00
16.15	121.93	0.926	59.53	0.450	0.96	0.000	0.776	1.00	1.00	1.00
16.20	121.89	0.929	59.49	0.452	0.96	0.000	0.776	1.00	1.00	1.00
16.25	121.85	0.932	59.45	0.453	0.96	0.000	0.776	1.00	1.00	1.00
16.30	121.81	0.935	59.41	0.454	0.96	0.000	0.776	1.00	1.00	1.00
16.35	121.77	0.938	59.37	0.456	0.96	0.000	0.776	1.00	1.00	1.00
16.40	121.72	0.941	59.32	0.457	0.96	0.000	0.776	1.00	1.00	1.00
16.45	121.68	0.944	59.28	0.459	0.96	0.000	0.776	1.00	1.00	1.00
16.50	121.64	0.947	59.24	0.460	0.96	0.000	0.776	1.00	1.00	1.00
16.55	121.60	0.949	59.20	0.461	0.96	0.000	0.776	1.00	1.00	1.00
16.60	121.56	0.952	59.16	0.463	0.96	0.000	0.776	1.00	1.00	1.00
16.65	121.51	0.955	59.11	0.464	0.96	0.000	0.776	1.00	1.00	1.00
16.70	121.47	0.958	59.07	0.466	0.96	0.000	0.776	1.00	1.00	1.00
16.75	121.43	0.961	59.03	0.467	0.96	0.000	0.776	1.00	1.00	1.00
16.80	121.39	0.964	58.99	0.468	0.96	0.000	0.776	1.00	1.00	1.00
16.85	121.35	0.967	58.95	0.470	0.96	0.000	0.776	1.00	1.00	1.00
16.90	121.30	0.970	58.90	0.471	0.96	0.000	0.776	1.00	1.00	1.00
16.95	121.26	0.972	58.86	0.473	0.96	0.000	0.776	1.00	1.00	1.00
17.00	121.22	0.975	58.82	0.474	0.96	0.000	0.776	1.00	1.00	1.00
17.05	121.18	0.978	58.78	0.475	0.96	0.000	0.776	1.00	1.00	1.00
17.10	121.14	0.981	58.74	0.477	0.96	0.000	0.776	1.00	1.00	1.00
17.15	121.09	0.984	58.69	0.478	0.96	0.000	0.776	1.00	1.00	1.00
17.20	121.05	0.987	58.65	0.480	0.96	0.000	0.776	1.00	1.00	1.00
17.25	121.01	0.990	58.61	0.481	0.96	0.000	0.776	1.00	1.00	1.00
17.30	120.97	0.992	58.57	0.482	0.96	0.000	0.776	1.00	1.00	1.00
17.35	120.93	0.995	58.53	0.484	0.96	0.000	0.776	1.00	1.00	1.00
17.40	120.88	0.998	58.48	0.485	0.96	0.000	0.776	1.00	1.00	1.00
17.45	120.84	1.001	58.44	0.486	0.96	0.000	0.776	1.00	1.00	1.00
17.50	120.80	1.004	58.40	0.488	0.96	0.000	0.776	1.00	1.00	1.00
17.55	120.76	1.007	58.36	0.489	0.96	0.000	0.776	1.00	1.00	1.00
17.60	120.72	1.010	58.32	0.491	0.96	0.000	0.776	1.00	1.00	1.00
17.65	120.67	1.012	58.27	0.492	0.96	0.000	0.776	1.00	1.00	1.00
17.70	120.63	1.015	58.23	0.493	0.96	0.000	0.776	1.00	1.00	1.00

17.75	120.59	1.018	58.19	0.495	0.96	0.000	0.776	1.00	1.00	1.00
17.80	120.55	1.021	58.15	0.496	0.96	0.000	0.776	0.99	1.00	0.99
17.85	120.51	1.024	58.11	0.497	0.96	0.000	0.776	0.99	1.00	0.99
17.90	120.46	1.027	58.06	0.499	0.96	0.000	0.776	0.99	1.00	0.99
17.95	120.42	1.030	58.02	0.500	0.96	0.000	0.776	0.99	1.00	0.99
18.00	120.38	1.032	57.98	0.502	0.96	0.000	0.776	0.99	1.00	0.99
18.05	120.34	1.035	57.94	0.503	0.96	0.000	0.776	0.99	1.00	0.99
18.10	120.30	1.038	57.90	0.504	0.96	0.000	0.776	0.99	1.00	0.99
18.15	120.25	1.041	57.85	0.506	0.96	0.000	0.776	0.99	1.00	0.99
18.20	120.21	1.044	57.81	0.507	0.96	0.000	0.776	0.99	1.00	0.99
18.25	120.17	1.047	57.77	0.508	0.96	0.000	0.776	0.99	1.00	0.99
18.30	120.13	1.049	57.73	0.510	0.96	0.000	0.776	0.99	1.00	0.99
18.35	120.09	1.052	57.69	0.511	0.96	0.000	0.776	0.99	1.00	0.99
18.40	120.04	1.055	57.64	0.513	0.96	0.000	0.776	0.99	1.00	0.99
18.45	120.00	1.058	57.60	0.514	0.96	0.000	0.776	0.99	1.00	0.99
18.50	119.96	1.061	57.56	0.515	0.96	0.000	0.776	0.99	1.00	0.99
18.55	119.92	1.064	57.52	0.517	0.96	0.000	0.776	0.99	1.00	0.99
18.60	119.88	1.066	57.48	0.518	0.96	0.000	0.776	0.99	1.00	0.99
18.65	119.83	1.069	57.43	0.519	0.96	0.000	0.776	0.99	1.00	0.99
18.70	119.79	1.072	57.39	0.521	0.96	0.000	0.776	0.99	1.00	0.99
18.75	119.75	1.075	57.35	0.522	0.96	0.000	0.776	0.99	1.00	0.99
18.80	119.71	1.078	57.31	0.523	0.96	0.000	0.776	0.99	1.00	0.99
18.85	119.67	1.081	57.27	0.525	0.96	0.000	0.776	0.99	1.00	0.99
18.90	119.62	1.083	57.22	0.526	0.96	0.000	0.776	0.99	1.00	0.99
18.95	119.58	1.086	57.18	0.527	0.96	0.000	0.776	0.99	1.00	0.99
19.00	119.54	1.089	57.14	0.529	0.96	0.000	0.776	0.99	1.00	0.99
19.05	119.50	1.092	57.10	0.530	0.96	0.000	0.776	0.99	1.00	0.99
19.10	119.46	1.095	57.06	0.532	0.96	0.000	0.776	0.99	1.00	0.99
19.15	119.41	1.098	57.01	0.533	0.96	0.000	0.776	0.99	1.00	0.99
19.20	119.37	1.100	56.97	0.534	0.96	0.000	0.776	0.99	1.00	0.99
19.25	119.33	1.103	56.93	0.536	0.96	0.000	0.776	0.99	1.00	0.99
19.30	119.29	1.106	56.89	0.537	0.96	0.000	0.776	0.99	1.00	0.99
19.35	119.25	1.109	56.85	0.538	0.95	0.000	0.776	0.99	1.00	0.99
19.40	119.20	1.112	56.80	0.540	0.95	0.000	0.776	0.99	1.00	0.99
19.45	119.16	1.114	56.76	0.541	0.95	0.000	0.776	0.99	1.00	0.99
19.50	119.12	1.117	56.72	0.542	0.95	0.000	0.776	0.99	1.00	0.99
19.55	119.08	1.120	56.68	0.544	0.95	0.000	0.776	0.99	1.00	0.99
19.60	119.04	1.123	56.64	0.545	0.95	0.000	0.776	0.99	1.00	0.99
19.65	118.99	1.126	56.59	0.546	0.95	0.000	0.776	0.99	1.00	0.99
19.70	118.95	1.129	56.55	0.548	0.95	0.000	0.776	0.99	1.00	0.99
19.75	118.91	1.131	56.51	0.549	0.95	0.000	0.776	0.99	1.00	0.99
19.80	118.87	1.134	56.47	0.550	0.95	0.000	0.776	0.99	1.00	0.99
19.85	118.83	1.137	56.43	0.552	0.95	0.000	0.776	0.99	1.00	0.99
19.90	118.78	1.140	56.38	0.553	0.95	0.000	0.776	0.99	1.00	0.99
19.95	118.74	1.143	56.34	0.554	0.95	0.000	0.776	0.99	1.00	0.99
20.00	118.70	1.145	56.30	0.556	0.95	0.000	0.776	0.99	1.00	0.99
20.05	118.70	1.148	56.30	0.557	0.95	0.000	0.776	0.99	1.00	0.99
20.10	118.71	1.151	56.31	0.558	0.95	0.000	0.776	0.99	1.00	0.99
20.15	118.71	1.154	56.31	0.560	0.95	0.000	0.776	0.99	1.00	0.99
20.20	118.71	1.157	56.31	0.561	0.95	0.000	0.776	0.99	1.00	0.99
20.25	118.71	1.159	56.31	0.562	0.95	0.000	0.776	0.99	1.00	0.99
20.30	118.72	1.162	56.32	0.564	0.95	0.000	0.776	0.99	1.00	0.99
20.35	118.72	1.165	56.32	0.565	0.95	0.000	0.776	0.99	1.00	0.99
20.40	118.72	1.168	56.32	0.566	0.95	0.000	0.776	0.99	1.00	0.99
20.45	118.73	1.171	56.33	0.568	0.95	0.000	0.776	0.99	1.00	0.99
20.50	118.73	1.173	56.33	0.569	0.95	0.000	0.776	0.99	1.00	0.99
20.55	118.73	1.176	56.33	0.570	0.95	0.000	0.776	0.99	1.00	0.99
20.60	118.74	1.179	56.34	0.572	0.95	0.000	0.776	0.99	1.00	0.99
20.65	118.74	1.182	56.34	0.573	0.95	0.000	0.776	0.99	1.00	0.99
20.70	118.74	1.185	56.34	0.574	0.95	0.000	0.776	0.99	1.00	0.99
20.75	118.74	1.187	56.34	0.576	0.95	0.000	0.776	0.99	1.00	0.99
20.80	118.75	1.190	56.35	0.577	0.95	0.000	0.776	0.99	1.00	0.99
20.85	118.75	1.193	56.35	0.578	0.95	0.000	0.776	0.99	1.00	0.99
20.90	118.75	1.196	56.35	0.580	0.95	0.000	0.776	0.99	1.00	0.99
20.95	118.76	1.199	56.36	0.581	0.95	0.000	0.776	0.99	1.00	0.99
21.00	118.76	1.201	56.36	0.582	0.95	0.000	0.776	0.99	1.00	0.99
21.05	118.76	1.204	56.36	0.584	0.95	0.000	0.776	0.99	1.00	0.99
21.10	118.77	1.207	56.37	0.585	0.95	0.000	0.776	0.99	1.00	0.99
21.15	118.77	1.210	56.37	0.586	0.95	0.000	0.776	0.99	1.00	0.99
21.20	118.77	1.213	56.37	0.588	0.95	0.000	0.776	0.99	1.00	0.99
21.25	118.77	1.215	56.37	0.589	0.95	0.000	0.776	0.99	1.00	0.99
21.30	118.78	1.218	56.38	0.590	0.95	0.000	0.776	0.99	1.00	0.99
21.35	118.78	1.221	56.38	0.592	0.95	0.000	0.776	0.99	1.00	0.99

21.40	118.78	1.224	56.38	0.593	0.95	0.000	0.776	0.99	1.00	0.99
21.45	118.79	1.227	56.39	0.594	0.95	0.000	0.776	0.99	1.00	0.99
21.50	118.79	1.230	56.39	0.596	0.95	0.000	0.776	0.99	1.00	0.99
21.55	118.79	1.232	56.39	0.597	0.95	0.000	0.776	0.99	1.00	0.99
21.60	118.80	1.235	56.40	0.598	0.95	0.000	0.776	0.99	1.00	0.99
21.65	118.80	1.238	56.40	0.600	0.95	0.000	0.776	0.99	1.00	0.99
21.70	118.80	1.241	56.40	0.601	0.95	0.000	0.776	0.99	1.00	0.99
21.75	118.80	1.244	56.40	0.602	0.95	0.000	0.776	0.99	1.00	0.99
21.80	118.81	1.246	56.41	0.604	0.95	0.000	0.776	0.99	1.00	0.99
21.85	118.81	1.249	56.41	0.605	0.95	0.000	0.776	0.99	1.00	0.99
21.90	118.81	1.252	56.41	0.606	0.95	0.000	0.776	0.99	1.00	0.99
21.95	118.82	1.255	56.42	0.608	0.95	0.000	0.776	0.99	1.00	0.99
22.00	118.82	1.258	56.42	0.609	0.95	0.000	0.776	0.99	1.00	0.99
22.05	118.82	1.260	56.42	0.610	0.95	0.000	0.776	0.99	1.00	0.99
22.10	118.83	1.263	56.43	0.612	0.95	0.000	0.776	0.99	1.00	0.99
22.15	118.83	1.266	56.43	0.613	0.95	0.000	0.776	0.99	1.00	0.99
22.20	118.83	1.269	56.43	0.614	0.95	0.000	0.776	0.99	1.00	0.99
22.25	118.83	1.272	56.43	0.616	0.95	0.000	0.776	0.99	1.00	0.99
22.30	118.84	1.274	56.44	0.617	0.95	0.000	0.776	0.99	1.00	0.99
22.35	118.84	1.277	56.44	0.618	0.95	0.000	0.776	0.99	1.00	0.99
22.40	118.84	1.280	56.44	0.620	0.95	0.000	0.776	0.99	1.00	0.99
22.45	118.85	1.283	56.45	0.621	0.95	0.000	0.776	0.99	1.00	0.99
22.50	118.85	1.286	56.45	0.622	0.95	0.000	0.776	0.99	1.00	0.99
22.55	118.85	1.288	56.45	0.624	0.95	0.000	0.776	0.99	1.00	0.99
22.60	118.86	1.291	56.46	0.625	0.95	0.000	0.776	0.99	1.00	0.99
22.65	118.86	1.294	56.46	0.626	0.95	0.000	0.776	0.99	1.00	0.99
22.70	118.86	1.297	56.46	0.628	0.95	0.000	0.776	0.99	1.00	0.99
22.75	118.86	1.300	56.46	0.629	0.95	0.000	0.776	0.99	1.00	0.99
22.80	118.87	1.303	56.47	0.630	0.95	0.000	0.776	0.99	1.00	0.99
22.85	118.87	1.305	56.47	0.632	0.95	0.000	0.776	0.99	1.00	0.99
22.90	118.87	1.308	56.47	0.633	0.95	0.000	0.776	0.99	1.00	0.99
22.95	118.88	1.311	56.48	0.634	0.95	0.000	0.776	0.99	1.00	0.99
23.00	118.88	1.314	56.48	0.636	0.95	0.000	0.776	0.99	1.00	0.99
23.05	118.88	1.317	56.48	0.637	0.95	0.000	0.776	0.99	1.00	0.99
23.10	118.89	1.319	56.49	0.638	0.95	0.000	0.776	0.99	1.00	0.99
23.15	118.89	1.322	56.49	0.640	0.95	0.000	0.776	0.99	1.00	0.99
23.20	118.89	1.325	56.49	0.641	0.95	0.000	0.776	0.99	1.00	0.99
23.25	118.89	1.328	56.49	0.642	0.95	0.000	0.776	0.99	1.00	0.99
23.30	118.90	1.331	56.50	0.644	0.95	0.000	0.776	0.99	1.00	0.99
23.35	118.90	1.333	56.50	0.645	0.95	0.000	0.776	0.99	1.00	0.99
23.40	118.90	1.336	56.50	0.646	0.95	0.000	0.776	0.99	1.00	0.99
23.45	118.91	1.339	56.51	0.648	0.95	0.000	0.776	0.99	1.00	0.99
23.50	118.91	1.342	56.51	0.649	0.95	0.000	0.776	0.99	1.00	0.99
23.55	118.91	1.345	56.51	0.650	0.95	0.000	0.776	0.99	1.00	0.99
23.60	118.92	1.347	56.52	0.652	0.94	0.000	0.776	0.99	1.00	0.99
23.65	118.92	1.350	56.52	0.653	0.94	0.000	0.776	0.99	1.00	0.99
23.70	118.92	1.353	56.52	0.654	0.94	0.000	0.776	0.99	1.00	0.99
23.75	118.92	1.356	56.52	0.656	0.94	0.000	0.776	0.99	1.00	0.99
23.80	118.93	1.359	56.53	0.657	0.94	0.000	0.776	0.99	1.00	0.99
23.85	118.93	1.362	56.53	0.658	0.94	0.000	0.776	0.99	1.00	0.99
23.90	118.93	1.364	56.53	0.660	0.94	0.000	0.776	0.99	1.00	0.99
23.95	118.94	1.367	56.54	0.661	0.94	0.000	0.776	0.99	1.00	0.99
24.00	118.94	1.370	56.54	0.662	0.94	0.000	0.776	0.99	1.00	0.99
24.05	118.94	1.373	56.54	0.664	0.94	0.000	0.776	0.98	1.00	0.98
24.10	118.95	1.376	56.55	0.665	0.94	0.000	0.776	0.98	1.00	0.98
24.15	118.95	1.378	56.55	0.666	0.94	0.000	0.776	0.98	1.00	0.98
24.20	118.95	1.381	56.55	0.668	0.94	0.000	0.776	0.98	1.00	0.98
24.25	118.95	1.384	56.55	0.669	0.94	0.000	0.776	0.98	1.00	0.98
24.30	118.96	1.387	56.56	0.670	0.94	0.000	0.776	0.98	1.00	0.98
24.35	118.96	1.390	56.56	0.672	0.94	0.000	0.776	0.98	1.00	0.98
24.40	118.96	1.392	56.56	0.673	0.94	0.000	0.776	0.98	1.00	0.98
24.45	118.97	1.395	56.57	0.674	0.94	0.000	0.776	0.98	1.00	0.98
24.50	118.97	1.398	56.57	0.676	0.94	0.000	0.776	0.98	1.00	0.98
24.55	118.97	1.401	56.57	0.677	0.94	0.000	0.776	0.98	1.00	0.98
24.60	118.98	1.404	56.58	0.678	0.94	0.000	0.776	0.98	1.00	0.98
24.65	118.98	1.406	56.58	0.680	0.94	0.000	0.776	0.98	1.00	0.98
24.70	118.98	1.409	56.58	0.681	0.94	0.000	0.776	0.98	1.00	0.98
24.75	118.98	1.412	56.58	0.682	0.94	0.000	0.776	0.98	1.00	0.98
24.80	118.99	1.415	56.59	0.684	0.94	0.000	0.776	0.98	1.00	0.98
24.85	118.99	1.418	56.59	0.685	0.94	0.000	0.776	0.98	1.00	0.98
24.90	118.99	1.421	56.59	0.686	0.94	0.000	0.776	0.98	1.00	0.98
24.95	119.00	1.423	56.60	0.688	0.94	0.000	0.776	0.98	1.00	0.98
25.00	119.00	1.426	56.60	0.689	0.94	0.000	0.776	0.98	1.00	0.98

25.05	118.99	1.429	56.59	0.690	0.94	0.000	0.776	0.98	1.00	0.98
25.10	118.98	1.432	56.58	0.692	0.94	0.000	0.776	0.98	1.00	0.98
25.15	118.97	1.435	56.57	0.693	0.94	0.000	0.776	0.98	1.00	0.98
25.20	118.96	1.437	56.56	0.694	0.94	0.000	0.776	0.98	1.00	0.98
25.25	118.95	1.440	56.55	0.696	0.94	0.000	0.776	0.98	1.00	0.98
25.30	118.94	1.443	56.54	0.697	0.94	0.000	0.776	0.98	1.00	0.98
25.35	118.93	1.446	56.53	0.698	0.94	0.000	0.776	0.98	1.00	0.98
25.40	118.92	1.449	56.52	0.700	0.94	0.000	0.776	0.98	1.00	0.98
25.45	118.91	1.451	56.51	0.701	0.94	0.000	0.776	0.98	1.00	0.98
25.50	118.90	1.454	56.50	0.702	0.94	0.000	0.776	0.98	1.00	0.98
25.55	118.89	1.457	56.49	0.704	0.94	0.000	0.776	0.98	1.00	0.98
25.60	118.88	1.460	56.48	0.705	0.94	0.000	0.776	0.98	1.00	0.98
25.65	118.87	1.463	56.47	0.706	0.94	0.000	0.776	0.98	1.00	0.98
25.70	118.86	1.466	56.46	0.708	0.94	0.000	0.776	0.98	1.00	0.98
25.75	118.85	1.468	56.45	0.709	0.94	0.000	0.776	0.98	1.00	0.98
25.80	118.84	1.471	56.44	0.710	0.94	0.000	0.776	0.98	1.00	0.98
25.85	118.83	1.474	56.43	0.712	0.94	0.000	0.776	0.98	1.00	0.98
25.90	118.82	1.477	56.42	0.713	0.94	0.000	0.776	0.98	1.00	0.98
25.95	118.81	1.480	56.41	0.714	0.94	0.000	0.776	0.98	1.00	0.98
26.00	118.80	1.482	56.40	0.716	0.94	0.000	0.776	0.98	1.00	0.98
26.05	118.79	1.485	56.39	0.717	0.94	0.000	0.776	0.98	1.00	0.98
26.10	118.78	1.488	56.38	0.718	0.94	0.000	0.776	0.98	1.00	0.98
26.15	118.77	1.491	56.37	0.720	0.94	0.000	0.776	0.98	1.00	0.98
26.20	118.76	1.494	56.36	0.721	0.94	0.000	0.776	0.98	1.00	0.98
26.25	118.75	1.496	56.35	0.722	0.94	0.000	0.776	0.98	1.00	0.98
26.30	118.74	1.499	56.34	0.724	0.94	0.000	0.776	0.98	1.00	0.98
26.35	118.73	1.502	56.33	0.725	0.94	0.000	0.776	0.98	1.00	0.98
26.40	118.72	1.505	56.32	0.726	0.94	0.000	0.776	0.98	1.00	0.98
26.45	118.71	1.508	56.31	0.728	0.94	0.000	0.776	0.98	1.00	0.98
26.50	118.70	1.510	56.30	0.729	0.94	0.000	0.776	0.98	1.00	0.98
26.55	118.69	1.513	56.29	0.730	0.94	0.000	0.776	0.98	1.00	0.98
26.60	118.68	1.516	56.28	0.732	0.94	0.000	0.776	0.98	1.00	0.98
26.65	118.67	1.519	56.27	0.733	0.94	0.000	0.776	0.98	1.00	0.98
26.70	118.66	1.522	56.26	0.734	0.94	0.000	0.776	0.98	1.00	0.98
26.75	118.65	1.524	56.25	0.736	0.94	0.000	0.776	0.98	1.00	0.98
26.80	118.64	1.527	56.24	0.737	0.94	0.000	0.776	0.98	1.00	0.98
26.85	118.63	1.530	56.23	0.738	0.94	0.000	0.776	0.98	1.00	0.98
26.90	118.62	1.533	56.22	0.740	0.94	0.000	0.776	0.98	1.00	0.98
26.95	118.61	1.536	56.21	0.741	0.94	0.000	0.776	0.98	1.00	0.98
27.00	118.60	1.538	56.20	0.742	0.94	0.000	0.776	0.98	1.00	0.98
27.05	118.59	1.541	56.19	0.744	0.94	0.000	0.776	0.98	1.00	0.98
27.10	118.58	1.544	56.18	0.745	0.94	0.000	0.776	0.98	1.00	0.98
27.15	118.57	1.547	56.17	0.746	0.94	0.000	0.776	0.98	1.00	0.98
27.20	118.56	1.550	56.16	0.748	0.94	0.000	0.776	0.98	1.00	0.98
27.25	118.55	1.552	56.15	0.749	0.94	0.000	0.776	0.98	1.00	0.98
27.30	118.54	1.555	56.14	0.750	0.94	0.000	0.776	0.98	1.00	0.98
27.35	118.53	1.558	56.13	0.752	0.94	0.000	0.776	0.98	1.00	0.98
27.40	118.52	1.561	56.12	0.753	0.94	0.000	0.776	0.98	1.00	0.98
27.45	118.51	1.564	56.11	0.754	0.94	0.000	0.776	0.98	1.00	0.98
27.50	118.50	1.566	56.10	0.756	0.94	0.000	0.776	0.98	1.00	0.98
27.55	118.49	1.569	56.09	0.757	0.94	0.000	0.776	0.98	1.00	0.98
27.60	118.48	1.572	56.08	0.758	0.94	0.000	0.776	0.98	1.00	0.98
27.65	118.47	1.575	56.07	0.760	0.94	0.000	0.776	0.98	1.00	0.98
27.70	118.46	1.578	56.06	0.761	0.94	0.000	0.776	0.98	1.00	0.98
27.75	118.45	1.580	56.05	0.762	0.94	0.000	0.776	0.98	1.00	0.98
27.80	118.44	1.583	56.04	0.764	0.94	0.000	0.776	0.98	1.00	0.98
27.85	118.43	1.586	56.03	0.765	0.94	0.000	0.776	0.98	1.00	0.98
27.90	118.42	1.589	56.02	0.766	0.93	0.000	0.776	0.98	1.00	0.98
27.95	118.41	1.592	56.01	0.767	0.93	0.000	0.776	0.98	1.00	0.98
28.00	118.40	1.594	56.00	0.769	0.93	0.000	0.776	0.98	1.00	0.98
28.05	118.39	1.597	55.99	0.770	0.93	0.000	0.776	0.98	1.00	0.98
28.10	118.38	1.600	55.98	0.771	0.93	0.000	0.776	0.98	1.00	0.98
28.15	118.37	1.603	55.97	0.773	0.93	0.000	0.776	0.98	1.00	0.98
28.20	118.36	1.606	55.96	0.774	0.93	0.000	0.776	0.98	1.00	0.98
28.25	118.35	1.608	55.95	0.775	0.93	0.000	0.776	0.98	1.00	0.98
28.30	118.34	1.611	55.94	0.777	0.93	0.000	0.776	0.98	1.00	0.98
28.35	118.33	1.614	55.93	0.778	0.93	0.000	0.776	0.98	1.00	0.98
28.40	118.32	1.617	55.92	0.779	0.93	0.000	0.776	0.98	1.00	0.98
28.45	118.31	1.620	55.91	0.781	0.93	0.000	0.776	0.98	1.00	0.98
28.50	118.30	1.622	55.90	0.782	0.93	0.000	0.776	0.98	1.00	0.98
28.55	118.29	1.625	55.89	0.783	0.93	0.000	0.776	0.98	1.00	0.98
28.60	118.28	1.628	55.88	0.785	0.93	0.000	0.776	0.98	1.00	0.98
28.65	118.27	1.631	55.87	0.786	0.93	0.000	0.776	0.98	1.00	0.98

28.70	118.26	1.634	55.86	0.787	0.93	0.000	0.776	0.98	1.00	0.98
28.75	118.25	1.636	55.85	0.789	0.93	0.000	0.776	0.98	1.00	0.98
28.80	118.24	1.639	55.84	0.790	0.93	0.000	0.776	0.98	1.00	0.98
28.85	118.23	1.642	55.83	0.791	0.93	0.000	0.776	0.98	1.00	0.98
28.90	118.22	1.645	55.82	0.793	0.93	0.000	0.776	0.98	1.00	0.98
28.95	118.21	1.648	55.81	0.794	0.93	0.000	0.776	0.98	1.00	0.98
29.00	118.20	1.650	55.80	0.795	0.93	0.000	0.776	0.98	1.00	0.98
29.05	118.19	1.653	55.79	0.797	0.93	0.000	0.776	0.98	1.00	0.98
29.10	118.18	1.656	55.78	0.798	0.93	0.000	0.776	0.98	1.00	0.98
29.15	118.17	1.659	55.77	0.799	0.93	0.000	0.776	0.98	1.00	0.98
29.20	118.16	1.662	55.76	0.801	0.93	0.000	0.776	0.98	1.00	0.98
29.25	118.15	1.664	55.75	0.802	0.93	0.000	0.776	0.98	1.00	0.98
29.30	118.14	1.667	55.74	0.803	0.93	0.000	0.776	0.98	1.00	0.98
29.35	118.13	1.670	55.73	0.804	0.93	0.000	0.776	0.98	1.00	0.98
29.40	118.12	1.673	55.72	0.806	0.93	0.000	0.776	0.98	1.00	0.98
29.45	118.11	1.675	55.71	0.807	0.93	0.000	0.776	0.98	1.00	0.98
29.50	118.10	1.678	55.70	0.808	0.93	0.000	0.776	0.98	1.00	0.98
29.55	118.09	1.681	55.69	0.810	0.93	0.000	0.776	0.98	1.00	0.98
29.60	118.08	1.684	55.68	0.811	0.93	0.000	0.776	0.97	1.00	0.97
29.65	118.07	1.687	55.67	0.812	0.93	0.000	0.776	0.97	1.00	0.97
29.70	118.06	1.689	55.66	0.814	0.93	0.000	0.776	0.97	1.00	0.97
29.75	118.05	1.692	55.65	0.815	0.93	0.000	0.776	0.97	1.00	0.97
29.80	118.04	1.695	55.64	0.816	0.93	0.000	0.776	0.97	1.00	0.97
29.85	118.03	1.698	55.63	0.818	0.93	0.000	0.776	0.97	1.00	0.97
29.90	118.02	1.701	55.62	0.819	0.93	0.000	0.776	0.97	1.00	0.97
29.95	118.01	1.703	55.61	0.820	0.93	0.000	0.776	0.97	1.00	0.97
30.00	118.00	1.706	55.60	0.822	0.93	0.000	0.776	0.97	1.00	0.97
30.05	118.06	1.709	55.66	0.823	0.93	0.000	0.776	0.97	1.00	0.97
30.10	118.12	1.712	55.72	0.824	0.93	0.000	0.776	0.97	1.00	0.97
30.15	118.18	1.715	55.78	0.826	0.93	0.000	0.776	0.97	1.00	0.97
30.20	118.24	1.717	55.84	0.827	0.93	0.000	0.776	0.97	1.00	0.97
30.25	118.30	1.720	55.90	0.828	0.93	0.000	0.776	0.97	1.00	0.97
30.30	118.37	1.723	55.97	0.829	0.93	0.000	0.776	0.97	1.00	0.97
30.35	118.43	1.726	56.03	0.831	0.93	0.000	0.776	0.97	1.00	0.97
30.40	118.49	1.729	56.09	0.832	0.93	0.000	0.776	0.97	1.00	0.97
30.45	118.55	1.731	56.15	0.833	0.93	0.000	0.776	0.97	1.00	0.97
30.50	118.61	1.734	56.21	0.835	0.93	0.000	0.776	0.97	1.00	0.97
30.55	118.67	1.737	56.27	0.836	0.93	0.000	0.776	0.97	1.00	0.97
30.60	118.73	1.740	56.33	0.837	0.92	0.000	0.776	0.97	1.00	0.97
30.65	118.79	1.743	56.39	0.839	0.92	0.000	0.776	0.97	1.00	0.97
30.70	118.85	1.745	56.45	0.840	0.92	0.000	0.776	0.97	1.00	0.97
30.75	118.91	1.748	56.51	0.841	0.92	0.000	0.776	0.97	1.00	0.97
30.80	118.98	1.751	56.58	0.843	0.92	0.000	0.776	0.97	1.00	0.97
30.85	119.04	1.754	56.64	0.844	0.92	0.000	0.776	0.97	1.00	0.97
30.90	119.10	1.757	56.70	0.845	0.92	0.000	0.776	0.97	1.00	0.97
30.95	119.16	1.759	56.76	0.847	0.92	0.000	0.776	0.97	1.00	0.97
31.00	119.22	1.762	56.82	0.848	0.92	0.000	0.776	0.97	1.00	0.97
31.05	119.28	1.765	56.88	0.849	0.92	0.000	0.776	0.97	1.00	0.97
31.10	119.34	1.768	56.94	0.851	0.92	0.000	0.776	0.97	1.00	0.97
31.15	119.40	1.771	57.00	0.852	0.92	0.000	0.776	0.96	1.00	0.96
31.20	119.46	1.773	57.06	0.853	0.92	0.000	0.776	0.96	1.00	0.96
31.25	119.52	1.776	57.12	0.855	0.92	0.000	0.776	0.96	1.00	0.96
31.30	119.59	1.779	57.19	0.856	0.92	0.000	0.776	0.96	1.00	0.96
31.35	119.65	1.782	57.25	0.858	0.92	0.000	0.776	0.96	1.00	0.96
31.40	119.71	1.785	57.31	0.859	0.92	0.000	0.776	0.96	1.00	0.96
31.45	119.77	1.788	57.37	0.860	0.92	0.000	0.776	0.96	1.00	0.96
31.50	119.83	1.790	57.43	0.862	0.92	0.000	0.776	0.96	1.00	0.96
31.55	119.89	1.793	57.49	0.863	0.92	0.000	0.776	0.96	1.00	0.96
31.60	119.95	1.796	57.55	0.864	0.92	0.000	0.776	0.96	1.00	0.96
31.65	120.01	1.799	57.61	0.866	0.92	0.000	0.776	0.96	1.00	0.96
31.70	120.07	1.802	57.67	0.867	0.92	0.000	0.776	0.96	1.00	0.96
31.75	120.13	1.805	57.73	0.868	0.92	0.000	0.776	0.96	1.00	0.96
31.80	120.20	1.807	57.80	0.870	0.92	0.000	0.776	0.96	1.00	0.96
31.85	120.26	1.810	57.86	0.871	0.91	0.000	0.776	0.96	1.00	0.96
31.90	120.32	1.813	57.92	0.872	0.91	0.000	0.776	0.96	1.00	0.96
31.95	120.38	1.816	57.98	0.874	0.91	0.000	0.776	0.96	1.00	0.96
32.00	120.44	1.819	58.04	0.875	0.91	0.000	0.776	0.96	1.00	0.96
32.05	120.50	1.822	58.10	0.877	0.91	0.000	0.776	0.96	1.00	0.96
32.10	120.56	1.824	58.16	0.878	0.91	0.000	0.776	0.96	1.00	0.96
32.15	120.62	1.827	58.22	0.879	0.91	0.000	0.776	0.96	1.00	0.96
32.20	120.68	1.830	58.28	0.881	0.91	0.000	0.776	0.96	1.00	0.96
32.25	120.74	1.833	58.34	0.882	0.91	0.000	0.776	0.96	1.00	0.96
32.30	120.81	1.836	58.41	0.883	0.91	0.000	0.776	0.96	1.00	0.96

32.35	120.87	1.839	58.47	0.885	0.91	0.000	0.776	0.95	1.00	0.95
32.40	120.93	1.842	58.53	0.886	0.91	0.000	0.776	0.95	1.00	0.95
32.45	120.99	1.844	58.59	0.888	0.91	0.000	0.776	0.95	1.00	0.95
32.50	121.05	1.847	58.65	0.889	0.91	0.000	0.776	0.95	1.00	0.95
32.55	121.11	1.850	58.71	0.890	0.91	0.000	0.776	0.95	1.00	0.95
32.60	121.17	1.853	58.77	0.892	0.91	0.000	0.776	0.95	1.00	0.95
32.65	121.23	1.856	58.83	0.893	0.91	0.000	0.776	0.95	1.00	0.95
32.70	121.29	1.859	58.89	0.895	0.91	0.000	0.776	0.95	1.00	0.95
32.75	121.35	1.862	58.95	0.896	0.91	0.000	0.776	0.95	1.00	0.95
32.80	121.42	1.865	59.02	0.897	0.91	0.000	0.776	0.95	1.00	0.95
32.85	121.48	1.867	59.08	0.899	0.91	0.000	0.776	0.95	1.00	0.95
32.90	121.54	1.870	59.14	0.900	0.91	0.000	0.776	0.95	1.00	0.95
32.95	121.60	1.873	59.20	0.902	0.91	0.000	0.776	0.95	1.00	0.95
33.00	121.66	1.876	59.26	0.903	0.91	0.000	0.776	0.95	1.00	0.95
33.05	121.72	1.879	59.32	0.904	0.91	0.000	0.776	0.95	1.00	0.95
33.10	121.78	1.882	59.38	0.906	0.90	0.000	0.776	0.95	1.00	0.95
33.15	121.84	1.885	59.44	0.907	0.90	0.000	0.776	0.95	1.00	0.95
33.20	121.90	1.887	59.50	0.909	0.90	0.000	0.776	0.95	1.00	0.95
33.25	121.96	1.890	59.56	0.910	0.90	0.000	0.776	0.95	1.00	0.95
33.30	122.03	1.893	59.63	0.911	0.90	0.000	0.776	0.95	1.00	0.95
33.35	122.09	1.896	59.69	0.913	0.90	0.000	0.776	0.95	1.00	0.95
33.40	122.15	1.899	59.75	0.914	0.90	0.000	0.776	0.95	1.00	0.95
33.45	122.21	1.902	59.81	0.916	0.90	0.000	0.776	0.94	1.00	0.94
33.50	122.27	1.905	59.87	0.917	0.90	0.000	0.776	0.94	1.00	0.94
33.55	122.33	1.908	59.93	0.918	0.90	0.000	0.776	0.94	1.00	0.94
33.60	122.39	1.911	59.99	0.920	0.90	0.000	0.776	0.94	1.00	0.94
33.65	122.45	1.913	60.05	0.921	0.90	0.000	0.776	0.94	1.00	0.94
33.70	122.51	1.916	60.11	0.923	0.90	0.000	0.776	0.94	1.00	0.94
33.75	122.57	1.919	60.17	0.924	0.90	0.000	0.776	0.94	1.00	0.94
33.80	122.64	1.922	60.24	0.926	0.90	0.000	0.776	0.94	1.00	0.94
33.85	122.70	1.925	60.30	0.927	0.90	0.000	0.776	0.94	1.00	0.94
33.90	122.76	1.928	60.36	0.928	0.90	0.000	0.776	0.94	1.00	0.94
33.95	122.82	1.931	60.42	0.930	0.90	0.000	0.776	0.94	1.00	0.94
34.00	122.88	1.934	60.48	0.931	0.90	0.000	0.776	0.94	1.00	0.94
34.05	122.94	1.937	60.54	0.933	0.90	0.000	0.776	0.94	1.00	0.94
34.10	123.00	1.940	60.60	0.934	0.90	0.000	0.776	0.94	1.00	0.94
34.15	123.06	1.942	60.66	0.935	0.90	0.000	0.776	0.94	1.00	0.94
34.20	123.12	1.945	60.72	0.937	0.90	0.000	0.776	0.94	1.00	0.94
34.25	123.18	1.948	60.78	0.938	0.90	0.000	0.776	0.94	1.00	0.94
34.30	123.25	1.951	60.85	0.940	0.89	0.000	0.776	0.94	1.00	0.94
34.35	123.31	1.954	60.91	0.941	0.89	0.000	0.776	0.94	1.00	0.94
34.40	123.37	1.957	60.97	0.943	0.89	0.000	0.776	0.94	1.00	0.94
34.45	123.43	1.960	61.03	0.944	0.89	0.000	0.776	0.94	1.00	0.94
34.50	123.49	1.963	61.09	0.946	0.89	0.000	0.776	0.94	1.00	0.94
34.55	123.55	1.966	61.15	0.947	0.89	0.000	0.776	0.93	1.00	0.93
34.60	123.61	1.969	61.21	0.948	0.89	0.000	0.776	0.93	1.00	0.93
34.65	123.67	1.972	61.27	0.950	0.89	0.000	0.776	0.93	1.00	0.93
34.70	123.73	1.975	61.33	0.951	0.89	0.000	0.776	0.93	1.00	0.93
34.75	123.79	1.977	61.39	0.953	0.89	0.000	0.776	0.93	1.00	0.93
34.80	123.86	1.980	61.46	0.954	0.89	0.000	0.776	0.93	1.00	0.93
34.85	123.92	1.983	61.52	0.956	0.89	0.000	0.776	0.93	1.00	0.93
34.90	123.98	1.986	61.58	0.957	0.89	0.000	0.776	0.93	1.00	0.93
34.95	124.04	1.989	61.64	0.959	0.89	0.000	0.776	0.93	1.00	0.93
35.00	124.10	1.992	61.70	0.960	0.89	0.000	0.776	0.93	1.00	0.93
35.05	124.12	1.995	61.72	0.962	0.89	0.000	0.776	0.93	1.00	0.93
35.10	124.14	1.998	61.74	0.963	0.89	0.000	0.776	0.93	1.00	0.93
35.15	124.16	2.001	61.76	0.964	0.89	0.000	0.776	0.93	1.00	0.93
35.20	124.18	2.004	61.78	0.966	0.89	0.000	0.776	0.93	1.00	0.93
35.25	124.20	2.007	61.80	0.967	0.89	0.000	0.776	0.93	1.00	0.93
35.30	124.23	2.010	61.83	0.969	0.89	0.000	0.776	0.93	1.00	0.93
35.35	124.25	2.013	61.85	0.970	0.89	0.000	0.776	0.93	1.00	0.93
35.40	124.27	2.016	61.87	0.972	0.89	0.000	0.776	0.93	1.00	0.93
35.45	124.29	2.019	61.89	0.973	0.89	0.000	0.776	0.93	1.00	0.93
35.50	124.31	2.021	61.91	0.975	0.89	0.000	0.776	0.93	1.00	0.93
35.55	124.33	2.024	61.93	0.976	0.88	0.000	0.776	0.93	1.00	0.93
35.60	124.35	2.027	61.95	0.978	0.88	0.000	0.776	0.92	1.00	0.92
35.65	124.37	2.030	61.97	0.979	0.88	0.000	0.776	0.92	1.00	0.92
35.70	124.39	2.033	61.99	0.981	0.88	0.000	0.776	0.92	1.00	0.92
35.75	124.41	2.036	62.01	0.982	0.88	0.000	0.776	0.92	1.00	0.92
35.80	124.44	2.039	62.04	0.983	0.88	0.000	0.776	0.92	1.00	0.92
35.85	124.46	2.042	62.06	0.985	0.88	0.000	0.776	0.92	1.00	0.92
35.90	124.48	2.045	62.08	0.986	0.88	0.000	0.776	0.92	1.00	0.92
35.95	124.50	2.048	62.10	0.988	0.88	0.000	0.776	0.92	1.00	0.92

36.00	124.52	2.051	62.12	0.989	0.88	0.000	0.776	0.92	1.00	0.92
36.05	124.54	2.054	62.14	0.991	0.88	0.000	0.776	0.92	1.00	0.92
36.10	124.56	2.057	62.16	0.992	0.88	0.000	0.776	0.92	1.00	0.92
36.15	124.58	2.060	62.18	0.994	0.88	0.000	0.776	0.92	1.00	0.92
36.20	124.60	2.063	62.20	0.995	0.88	0.000	0.776	0.92	1.00	0.92
36.25	124.62	2.066	62.22	0.997	0.88	0.000	0.776	0.92	1.00	0.92
36.30	124.65	2.068	62.25	0.998	0.88	0.000	0.776	0.92	1.00	0.92
36.35	124.67	2.071	62.27	1.000	0.88	0.000	0.776	0.92	1.00	0.92
36.40	124.69	2.074	62.29	1.001	0.88	0.000	0.776	0.92	1.00	0.92
36.45	124.71	2.077	62.31	1.003	0.88	0.000	0.776	0.92	1.00	0.92
36.50	124.73	2.080	62.33	1.004	0.88	0.000	0.776	0.92	1.00	0.92
36.55	124.75	2.083	62.35	1.005	0.88	0.000	0.776	0.92	1.00	0.92
36.60	124.77	2.086	62.37	1.007	0.88	0.000	0.776	0.92	1.00	0.92
36.65	124.79	2.089	62.39	1.008	0.88	0.000	0.776	0.92	1.00	0.92
36.70	124.81	2.092	62.41	1.010	0.88	0.000	0.776	0.91	1.00	0.91
36.75	124.83	2.095	62.43	1.011	0.87	0.000	0.776	0.91	1.00	0.91
36.80	124.86	2.098	62.46	1.013	0.87	0.000	0.776	0.91	1.00	0.91
36.85	124.88	2.101	62.48	1.014	0.87	0.000	0.776	0.91	1.00	0.91
36.90	124.90	2.104	62.50	1.016	0.87	0.000	0.776	0.91	1.00	0.91
36.95	124.92	2.107	62.52	1.017	0.87	0.000	0.776	0.91	1.00	0.91
37.00	124.94	2.110	62.54	1.019	0.87	0.000	0.776	0.91	1.00	0.91
37.05	124.96	2.113	62.56	1.020	0.87	0.000	0.776	0.91	1.00	0.91
37.10	124.98	2.116	62.58	1.022	0.87	0.000	0.776	0.91	1.00	0.91
37.15	125.00	2.119	62.60	1.023	0.87	0.000	0.776	0.91	1.00	0.91
37.20	125.02	2.122	62.62	1.025	0.87	0.000	0.776	0.91	1.00	0.91
37.25	125.04	2.125	62.64	1.026	0.87	0.000	0.776	0.91	1.00	0.91
37.30	125.07	2.127	62.67	1.028	0.87	0.000	0.776	0.91	1.00	0.91
37.35	125.09	2.130	62.69	1.029	0.87	0.000	0.776	0.91	1.00	0.91
37.40	125.11	2.133	62.71	1.031	0.87	0.000	0.776	0.91	1.00	0.91
37.45	125.13	2.136	62.73	1.032	0.87	0.000	0.776	0.91	1.00	0.91
37.50	125.15	2.139	62.75	1.034	0.87	0.000	0.776	0.91	1.00	0.91
37.55	125.17	2.142	62.77	1.035	0.87	0.000	0.776	0.91	1.00	0.91
37.60	125.19	2.145	62.79	1.037	0.87	0.000	0.776	0.91	1.00	0.91
37.65	125.21	2.148	62.81	1.038	0.87	0.000	0.776	0.91	1.00	0.91
37.70	125.23	2.151	62.83	1.039	0.87	0.000	0.776	0.91	1.00	0.91
37.75	125.25	2.154	62.85	1.041	0.87	0.000	0.776	0.90	1.00	0.90
37.80	125.28	2.157	62.88	1.042	0.87	0.000	0.776	0.90	1.00	0.90
37.85	125.30	2.160	62.90	1.044	0.87	0.000	0.776	0.90	1.00	0.90
37.90	125.32	2.163	62.92	1.045	0.87	0.000	0.776	0.90	1.00	0.90
37.95	125.34	2.166	62.94	1.047	0.87	0.000	0.776	0.90	1.00	0.90
38.00	125.36	2.169	62.96	1.048	0.86	0.000	0.776	0.90	1.00	0.90
38.05	125.38	2.172	62.98	1.050	0.86	0.000	0.776	0.90	1.00	0.90
38.10	125.40	2.175	63.00	1.051	0.86	0.000	0.776	0.90	1.00	0.90
38.15	125.42	2.178	63.02	1.053	0.86	0.000	0.776	0.90	1.00	0.90
38.20	125.44	2.181	63.04	1.054	0.86	0.000	0.776	0.90	1.00	0.90
38.25	125.46	2.184	63.06	1.056	0.86	0.000	0.776	0.90	1.00	0.90
38.30	125.49	2.187	63.09	1.057	0.86	0.000	0.776	0.90	1.00	0.90
38.35	125.51	2.190	63.11	1.059	0.86	0.000	0.776	0.90	1.00	0.90
38.40	125.53	2.193	63.13	1.060	0.86	0.000	0.776	0.90	1.00	0.90
38.45	125.55	2.196	63.15	1.062	0.86	0.000	0.776	0.90	1.00	0.90
38.50	125.57	2.199	63.17	1.063	0.86	0.000	0.776	0.90	1.00	0.90
38.55	125.59	2.202	63.19	1.065	0.86	0.000	0.776	0.90	1.00	0.90
38.60	125.61	2.204	63.21	1.066	0.86	0.000	0.776	0.90	1.00	0.90
38.65	125.63	2.207	63.23	1.068	0.86	0.000	0.776	0.90	1.00	0.90
38.70	125.65	2.210	63.25	1.069	0.86	0.000	0.776	0.90	1.00	0.90
38.75	125.67	2.213	63.27	1.071	0.86	0.000	0.776	0.90	1.00	0.90
38.80	125.70	2.216	63.30	1.072	0.86	0.000	0.776	0.89	1.00	0.89
38.85	125.72	2.219	63.32	1.074	0.86	0.000	0.776	0.89	1.00	0.89
38.90	125.74	2.222	63.34	1.075	0.86	0.000	0.776	0.89	1.00	0.89
38.95	125.76	2.225	63.36	1.077	0.86	0.000	0.776	0.89	1.00	0.89
39.00	125.78	2.228	63.38	1.078	0.86	0.000	0.776	0.89	1.00	0.89
39.05	125.80	2.231	63.40	1.080	0.86	0.000	0.776	0.89	1.00	0.89
39.10	125.82	2.234	63.42	1.081	0.86	0.000	0.776	0.89	1.00	0.89
39.15	125.84	2.237	63.44	1.083	0.86	0.000	0.776	0.89	1.00	0.89
39.20	125.86	2.240	63.46	1.084	0.86	0.000	0.776	0.89	1.00	0.89
39.25	125.88	2.243	63.48	1.086	0.85	0.000	0.776	0.89	1.00	0.89
39.30	125.91	2.246	63.51	1.087	0.85	0.000	0.776	0.89	1.00	0.89
39.35	125.93	2.249	63.53	1.089	0.85	0.000	0.776	0.89	1.00	0.89
39.40	125.95	2.252	63.55	1.090	0.85	0.000	0.776	0.89	1.00	0.89
39.45	125.97	2.255	63.57	1.092	0.85	0.000	0.776	0.89	1.00	0.89
39.50	125.99	2.258	63.59	1.093	0.85	0.000	0.776	0.89	1.00	0.89
39.55	126.01	2.261	63.61	1.095	0.85	0.000	0.776	0.89	1.00	0.89
39.60	126.03	2.264	63.63	1.096	0.85	0.000	0.776	0.89	1.00	0.89

39.65	126.05	2.267	63.65	1.098	0.85	0.000	0.776	0.89	1.00	0.89
39.70	126.07	2.270	63.67	1.099	0.85	0.000	0.776	0.89	1.00	0.89
39.75	126.09	2.273	63.69	1.101	0.85	0.000	0.776	0.89	1.00	0.89
39.80	126.12	2.276	63.72	1.102	0.85	0.000	0.776	0.89	1.00	0.89
39.85	126.14	2.279	63.74	1.104	0.85	0.000	0.776	0.88	1.00	0.88
39.90	126.16	2.282	63.76	1.105	0.85	0.000	0.776	0.88	1.00	0.88
39.95	126.18	2.285	63.78	1.107	0.85	0.000	0.776	0.88	1.00	0.88
40.00	126.20	2.288	63.80	1.108	0.85	0.000	0.776	0.88	1.00	0.88
40.05	126.27	2.291	63.87	1.110	0.85	0.000	0.776	0.88	1.00	0.88
40.10	126.33	2.294	63.93	1.111	0.85	0.000	0.776	0.88	1.00	0.88
40.15	126.40	2.297	64.00	1.113	0.85	0.000	0.776	0.88	1.00	0.88
40.20	126.46	2.300	64.06	1.114	0.85	0.000	0.776	0.88	1.00	0.88
40.25	126.53	2.303	64.13	1.116	0.85	0.000	0.776	0.88	1.00	0.88
40.30	126.60	2.306	64.20	1.117	0.85	0.000	0.776	0.88	1.00	0.88
40.35	126.66	2.309	64.26	1.119	0.85	0.000	0.776	0.88	1.00	0.88
40.40	126.73	2.312	64.33	1.120	0.85	0.000	0.776	0.88	1.00	0.88
40.45	126.79	2.315	64.39	1.122	0.84	0.000	0.776	0.88	1.00	0.88
40.50	126.86	2.318	64.46	1.123	0.84	0.000	0.776	0.88	1.00	0.88
40.55	126.93	2.321	64.53	1.125	0.84	0.000	0.776	0.88	1.00	0.88
40.60	126.99	2.324	64.59	1.126	0.84	0.000	0.776	0.88	1.00	0.88
40.65	127.06	2.327	64.66	1.128	0.84	0.000	0.776	0.88	1.00	0.88
40.70	127.12	2.330	64.72	1.130	0.84	0.000	0.776	0.88	1.00	0.88
40.75	127.19	2.333	64.79	1.131	0.84	0.000	0.776	0.88	1.00	0.88
40.80	127.26	2.336	64.86	1.133	0.84	0.000	0.776	0.88	1.00	0.88
40.85	127.32	2.339	64.92	1.134	0.84	0.000	0.776	0.88	1.00	0.88
40.90	127.39	2.342	64.99	1.136	0.84	0.000	0.776	0.87	1.00	0.87
40.95	127.45	2.345	65.05	1.137	0.84	0.000	0.776	0.87	1.00	0.87
41.00	127.52	2.348	65.12	1.139	0.84	0.000	0.776	0.87	1.00	0.87
41.05	127.59	2.351	65.19	1.140	0.84	0.000	0.776	0.87	1.00	0.87
41.10	127.65	2.354	65.25	1.142	0.84	0.000	0.776	0.87	1.00	0.87
41.15	127.72	2.357	65.32	1.143	0.84	0.000	0.776	0.87	1.00	0.87
41.20	127.78	2.360	65.38	1.145	0.84	0.000	0.776	0.87	1.00	0.87
41.25	127.85	2.363	65.45	1.146	0.84	0.000	0.776	0.87	1.00	0.87
41.30	127.92	2.366	65.52	1.148	0.84	0.000	0.776	0.87	1.00	0.87
41.35	127.98	2.369	65.58	1.150	0.84	0.000	0.776	0.87	1.00	0.87
41.40	128.05	2.372	65.65	1.151	0.84	0.000	0.776	0.87	1.00	0.87
41.45	128.11	2.375	65.71	1.153	0.84	0.000	0.776	0.87	1.00	0.87
41.50	128.18	2.378	65.78	1.154	0.84	0.000	0.776	0.87	1.00	0.87
41.55	128.25	2.381	65.85	1.156	0.84	0.000	0.776	0.87	1.00	0.87
41.60	128.31	2.384	65.91	1.157	0.84	0.000	0.776	0.87	1.00	0.87
41.65	128.38	2.387	65.98	1.159	0.84	0.000	0.776	0.87	1.00	0.87
41.70	128.44	2.390	66.04	1.160	0.83	0.000	0.776	0.87	1.00	0.87
41.75	128.51	2.393	66.11	1.162	0.83	0.000	0.776	0.87	1.00	0.87
41.80	128.58	2.396	66.18	1.164	0.83	0.000	0.776	0.87	1.00	0.87
41.85	128.64	2.399	66.24	1.165	0.83	0.000	0.776	0.87	1.00	0.87
41.90	128.71	2.402	66.31	1.167	0.83	0.000	0.776	0.87	1.00	0.87
41.95	128.77	2.405	66.37	1.168	0.83	0.000	0.776	0.86	1.00	0.86
42.00	128.84	2.408	66.44	1.170	0.83	0.000	0.776	0.86	1.00	0.86
42.05	128.91	2.411	66.51	1.171	0.83	0.000	0.776	0.86	1.00	0.86
42.10	128.97	2.414	66.57	1.173	0.83	0.000	0.776	0.86	1.00	0.86
42.15	129.04	2.417	66.64	1.175	0.83	0.000	0.776	0.86	1.00	0.86
42.20	129.10	2.420	66.70	1.176	0.83	0.000	0.776	0.86	1.00	0.86
42.25	129.17	2.423	66.77	1.178	0.83	0.000	0.776	0.86	1.00	0.86
42.30	129.24	2.427	66.84	1.179	0.83	0.000	0.776	0.86	1.00	0.86
42.35	129.30	2.430	66.90	1.181	0.83	0.000	0.776	0.86	1.00	0.86
42.40	129.37	2.433	66.97	1.182	0.83	0.000	0.776	0.86	1.00	0.86
42.45	129.43	2.436	67.03	1.184	0.83	0.000	0.776	0.86	1.00	0.86
42.50	129.50	2.439	67.10	1.186	0.83	0.000	0.776	0.86	1.00	0.86
42.55	129.57	2.442	67.17	1.187	0.83	0.000	0.776	0.86	1.00	0.86
42.60	129.63	2.445	67.23	1.189	0.83	0.000	0.776	0.86	1.00	0.86
42.65	129.70	2.448	67.30	1.190	0.83	0.000	0.776	0.86	1.00	0.86
42.70	129.76	2.451	67.36	1.192	0.83	0.000	0.776	0.86	1.00	0.86
42.75	129.83	2.454	67.43	1.194	0.83	0.000	0.776	0.86	1.00	0.86
42.80	129.90	2.457	67.50	1.195	0.83	0.000	0.776	0.86	1.00	0.86
42.85	129.96	2.460	67.56	1.197	0.83	0.000	0.776	0.86	1.00	0.86
42.90	130.03	2.463	67.63	1.198	0.82	0.000	0.776	0.86	1.00	0.86
42.95	130.09	2.466	67.69	1.200	0.82	0.000	0.776	0.85	1.00	0.85
43.00	130.16	2.469	67.76	1.201	0.82	0.000	0.776	0.85	1.00	0.85
43.05	130.23	2.473	67.83	1.203	0.82	0.000	0.776	0.85	1.00	0.85
43.10	130.29	2.476	67.89	1.205	0.82	0.000	0.776	0.85	1.00	0.85
43.15	130.36	2.479	67.96	1.206	0.82	0.000	0.776	0.85	1.00	0.85
43.20	130.42	2.482	68.02	1.208	0.82	0.000	0.776	0.85	1.00	0.85
43.25	130.49	2.485	68.09	1.210	0.82	0.000	0.776	0.85	1.00	0.85

43.30	130.56	2.488	68.16	1.211	0.82	0.000	0.776	0.85	1.00	0.85
43.35	130.62	2.491	68.22	1.213	0.82	0.000	0.776	0.85	1.00	0.85
43.40	130.69	2.494	68.29	1.214	0.82	0.000	0.776	0.85	1.00	0.85
43.45	130.75	2.497	68.35	1.216	0.82	0.000	0.776	0.85	1.00	0.85
43.50	130.82	2.500	68.42	1.218	0.82	0.000	0.776	0.85	1.00	0.85
43.55	130.89	2.503	68.49	1.219	0.82	0.000	0.776	0.85	1.00	0.85
43.60	130.95	2.506	68.55	1.221	0.82	0.000	0.776	0.85	1.00	0.85
43.65	131.02	2.510	68.62	1.222	0.82	0.000	0.776	0.85	1.00	0.85
43.70	131.08	2.513	68.68	1.224	0.82	0.000	0.776	0.85	1.00	0.85
43.75	131.15	2.516	68.75	1.226	0.82	0.000	0.776	0.85	1.00	0.85
43.80	131.22	2.519	68.82	1.227	0.82	0.000	0.776	0.85	1.00	0.85
43.85	131.28	2.522	68.88	1.229	0.82	0.000	0.776	0.85	1.00	0.85
43.90	131.35	2.525	68.95	1.231	0.82	0.000	0.776	0.85	1.00	0.85
43.95	131.41	2.528	69.01	1.232	0.82	0.000	0.776	0.84	1.00	0.84
44.00	131.48	2.531	69.08	1.234	0.82	0.000	0.776	0.84	1.00	0.84
44.05	131.55	2.534	69.15	1.235	0.82	0.000	0.776	0.84	1.00	0.84
44.10	131.61	2.537	69.21	1.237	0.82	0.000	0.776	0.84	1.00	0.84
44.15	131.68	2.541	69.28	1.239	0.81	0.000	0.776	0.84	1.00	0.84
44.20	131.74	2.544	69.34	1.240	0.81	0.000	0.776	0.84	1.00	0.84
44.25	131.81	2.547	69.41	1.242	0.81	0.000	0.776	0.84	1.00	0.84
44.30	131.88	2.550	69.48	1.244	0.81	0.000	0.776	0.84	1.00	0.84
44.35	131.94	2.553	69.54	1.245	0.81	0.000	0.776	0.84	1.00	0.84
44.40	132.01	2.556	69.61	1.247	0.81	0.000	0.776	0.84	1.00	0.84
44.45	132.07	2.559	69.67	1.249	0.81	0.000	0.776	0.84	1.00	0.84
44.50	132.14	2.562	69.74	1.250	0.81	0.000	0.776	0.84	1.00	0.84
44.55	132.21	2.565	69.81	1.252	0.81	0.000	0.776	0.84	1.00	0.84
44.60	132.27	2.569	69.87	1.254	0.81	0.000	0.776	0.84	1.00	0.84
44.65	132.34	2.572	69.94	1.255	0.81	0.000	0.776	0.84	1.00	0.84
44.70	132.40	2.575	70.00	1.257	0.81	0.000	0.776	0.84	1.00	0.84
44.75	132.47	2.578	70.07	1.258	0.81	0.000	0.776	0.84	1.00	0.84
44.80	132.54	2.581	70.14	1.260	0.81	0.000	0.776	0.84	1.00	0.84
44.85	132.60	2.584	70.20	1.262	0.81	0.000	0.776	0.84	1.00	0.84
44.90	132.67	2.587	70.27	1.263	0.81	0.000	0.776	0.84	1.00	0.84
44.95	132.73	2.591	70.33	1.265	0.81	0.000	0.776	0.83	1.00	0.83
45.00	132.80	2.594	70.40	1.267	0.81	0.000	0.776	0.83	1.00	0.83
45.05	132.80	2.597	70.40	1.268	0.81	0.000	0.776	0.83	1.00	0.83
45.10	132.80	2.600	70.40	1.270	0.81	0.000	0.776	0.83	1.00	0.83
45.15	132.80	2.603	70.40	1.272	0.81	0.000	0.776	0.83	1.00	0.83
45.20	132.80	2.606	70.40	1.273	0.81	0.000	0.776	0.83	1.00	0.83
45.25	132.80	2.609	70.40	1.275	0.81	0.000	0.776	0.83	1.00	0.83
45.30	132.80	2.612	70.40	1.277	0.81	0.000	0.776	0.83	1.00	0.83
45.35	132.80	2.616	70.40	1.278	0.80	0.000	0.776	0.83	1.00	0.83
45.40	132.80	2.619	70.40	1.280	0.80	0.000	0.776	0.83	1.00	0.83
45.45	132.80	2.622	70.40	1.282	0.80	0.000	0.776	0.83	1.00	0.83
45.50	132.80	2.625	70.40	1.283	0.80	0.000	0.776	0.83	1.00	0.83
45.55	132.80	2.628	70.40	1.285	0.80	0.000	0.776	0.83	1.00	0.83
45.60	132.80	2.631	70.40	1.287	0.80	0.000	0.776	0.83	1.00	0.83
45.65	132.80	2.634	70.40	1.288	0.80	0.000	0.776	0.83	1.00	0.83
45.70	132.80	2.638	70.40	1.290	0.80	0.000	0.776	0.83	1.00	0.83
45.75	132.80	2.641	70.40	1.292	0.80	0.000	0.776	0.83	1.00	0.83
45.80	132.80	2.644	70.40	1.293	0.80	0.000	0.776	0.83	1.00	0.83
45.85	132.80	2.647	70.40	1.295	0.80	0.000	0.776	0.83	1.00	0.83
45.90	132.80	2.650	70.40	1.297	0.80	0.000	0.776	0.83	1.00	0.83
45.95	132.80	2.653	70.40	1.298	0.80	0.000	0.776	0.82	1.00	0.82
46.00	132.80	2.656	70.40	1.300	0.80	0.000	0.776	0.82	1.00	0.82
46.05	132.80	2.660	70.40	1.302	0.80	0.000	0.776	0.82	1.00	0.82
46.10	132.80	2.663	70.40	1.303	0.80	0.000	0.776	0.82	1.00	0.82
46.15	132.80	2.666	70.40	1.305	0.80	0.000	0.776	0.82	1.00	0.82
46.20	132.80	2.669	70.40	1.307	0.80	0.000	0.776	0.82	1.00	0.82
46.25	132.80	2.672	70.40	1.308	0.80	0.000	0.776	0.82	1.00	0.82
46.30	132.80	2.675	70.40	1.310	0.80	0.000	0.776	0.82	1.00	0.82
46.35	132.80	2.678	70.40	1.312	0.80	0.000	0.776	0.82	1.00	0.82
46.40	132.80	2.682	70.40	1.313	0.80	0.000	0.776	0.82	1.00	0.82
46.45	132.80	2.685	70.40	1.315	0.80	0.000	0.776	0.82	1.00	0.82
46.50	132.80	2.688	70.40	1.317	0.80	0.000	0.776	0.82	1.00	0.82
46.55	132.80	2.691	70.40	1.318	0.80	0.000	0.776	0.82	1.00	0.82
46.60	132.80	2.694	70.40	1.320	0.79	0.000	0.776	0.82	1.00	0.82
46.65	132.80	2.697	70.40	1.322	0.79	0.000	0.776	0.82	1.00	0.82
46.70	132.80	2.700	70.40	1.323	0.79	0.000	0.776	0.82	1.00	0.82
46.75	132.80	2.703	70.40	1.325	0.79	0.000	0.776	0.82	1.00	0.82
46.80	132.80	2.707	70.40	1.327	0.79	0.000	0.776	0.82	1.00	0.82
46.85	132.80	2.710	70.40	1.328	0.79	0.000	0.776	0.82	1.00	0.82
46.90	132.80	2.713	70.40	1.330	0.79	0.000	0.776	0.82	1.00	0.82

46.95	132.80	2.716	70.40	1.332	0.79	0.000	0.776	0.81	1.00	0.81
47.00	132.80	2.719	70.40	1.333	0.79	0.000	0.776	0.81	1.00	0.81
47.05	132.80	2.722	70.40	1.335	0.79	0.000	0.776	0.81	1.00	0.81
47.10	132.80	2.725	70.40	1.337	0.79	0.000	0.776	0.81	1.00	0.81
47.15	132.80	2.729	70.40	1.338	0.79	0.000	0.776	0.81	1.00	0.81
47.20	132.80	2.732	70.40	1.340	0.79	0.000	0.776	0.81	1.00	0.81
47.25	132.80	2.735	70.40	1.342	0.79	0.000	0.776	0.81	1.00	0.81
47.30	132.80	2.738	70.40	1.343	0.79	0.000	0.776	0.81	1.00	0.81
47.35	132.80	2.741	70.40	1.345	0.79	0.000	0.776	0.81	1.00	0.81
47.40	132.80	2.744	70.40	1.347	0.79	0.000	0.776	0.81	1.00	0.81
47.45	132.80	2.747	70.40	1.348	0.79	0.000	0.776	0.81	1.00	0.81
47.50	132.80	2.751	70.40	1.350	0.79	0.000	0.776	0.81	1.00	0.81
47.55	132.80	2.754	70.40	1.352	0.79	0.000	0.776	0.81	1.00	0.81
47.60	132.80	2.757	70.40	1.353	0.79	0.000	0.776	0.81	1.00	0.81
47.65	132.80	2.760	70.40	1.355	0.79	0.000	0.776	0.81	1.00	0.81
47.70	132.80	2.763	70.40	1.357	0.79	0.000	0.776	0.81	1.00	0.81
47.75	132.80	2.766	70.40	1.358	0.79	0.000	0.776	0.81	1.00	0.81
47.80	132.80	2.769	70.40	1.360	0.79	0.000	0.776	0.81	1.00	0.81
47.85	132.80	2.773	70.40	1.362	0.78	0.000	0.776	0.81	1.00	0.81
47.90	132.80	2.776	70.40	1.363	0.78	0.000	0.776	0.81	1.00	0.81
47.95	132.80	2.779	70.40	1.365	0.78	0.000	0.776	0.80	1.00	0.80
48.00	132.80	2.782	70.40	1.367	0.78	0.000	0.776	0.80	1.00	0.80
48.05	132.80	2.785	70.40	1.368	0.78	0.000	0.776	0.80	1.00	0.80
48.10	132.80	2.788	70.40	1.370	0.78	0.000	0.776	0.80	1.00	0.80
48.15	132.80	2.791	70.40	1.372	0.78	0.000	0.776	0.80	1.00	0.80
48.20	132.80	2.794	70.40	1.373	0.78	0.000	0.776	0.80	1.00	0.80
48.25	132.80	2.798	70.40	1.375	0.78	0.000	0.776	0.80	1.00	0.80
48.30	132.80	2.801	70.40	1.377	0.78	0.000	0.776	0.80	1.00	0.80
48.35	132.80	2.804	70.40	1.378	0.78	0.000	0.776	0.80	1.00	0.80
48.40	132.80	2.807	70.40	1.380	0.78	0.000	0.776	0.80	1.00	0.80
48.45	132.80	2.810	70.40	1.382	0.78	0.000	0.776	0.80	1.00	0.80
48.50	132.80	2.813	70.40	1.383	0.78	0.000	0.776	0.80	1.00	0.80
48.55	132.80	2.816	70.40	1.385	0.78	0.000	0.776	0.80	1.00	0.80
48.60	132.80	2.820	70.40	1.387	0.78	0.000	0.776	0.80	1.00	0.80
48.65	132.80	2.823	70.40	1.388	0.78	0.000	0.776	0.80	1.00	0.80
48.70	132.80	2.826	70.40	1.390	0.78	0.000	0.776	0.80	1.00	0.80
48.75	132.80	2.829	70.40	1.392	0.78	0.000	0.776	0.80	1.00	0.80
48.80	132.80	2.832	70.40	1.393	0.78	0.000	0.776	0.80	1.00	0.80
48.85	132.80	2.835	70.40	1.395	0.78	0.000	0.776	0.80	1.00	0.80
48.90	132.80	2.838	70.40	1.396	0.78	0.000	0.776	0.80	1.00	0.80
48.95	132.80	2.842	70.40	1.398	0.78	0.000	0.776	0.80	1.00	0.80
49.00	132.80	2.845	70.40	1.400	0.78	0.000	0.776	0.79	1.00	0.79
49.05	132.80	2.848	70.40	1.401	0.77	0.000	0.776	0.79	1.00	0.79
49.10	132.80	2.851	70.40	1.403	0.77	0.000	0.776	0.79	1.00	0.79
49.15	132.80	2.854	70.40	1.405	0.77	0.000	0.776	0.79	1.00	0.79
49.20	132.80	2.857	70.40	1.406	0.77	0.000	0.776	0.79	1.00	0.79
49.25	132.80	2.860	70.40	1.408	0.77	0.000	0.776	0.79	1.00	0.79
49.30	132.80	2.863	70.40	1.410	0.77	0.000	0.776	0.79	1.00	0.79
49.35	132.80	2.867	70.40	1.411	0.77	0.000	0.776	0.79	1.00	0.79
49.40	132.80	2.870	70.40	1.413	0.77	0.000	0.776	0.79	1.00	0.79
49.45	132.80	2.873	70.40	1.415	0.77	0.000	0.776	0.79	1.00	0.79
49.50	132.80	2.876	70.40	1.416	0.77	0.000	0.776	0.79	1.00	0.79
49.55	132.80	2.879	70.40	1.418	0.77	0.000	0.776	0.79	1.00	0.79
49.60	132.80	2.882	70.40	1.420	0.77	0.000	0.776	0.79	1.00	0.79
49.65	132.80	2.885	70.40	1.421	0.77	0.000	0.776	0.79	1.00	0.79
49.70	132.80	2.889	70.40	1.423	0.77	0.000	0.776	0.79	1.00	0.79
49.75	132.80	2.892	70.40	1.425	0.77	0.000	0.776	0.79	1.00	0.79
49.80	132.80	2.895	70.40	1.426	0.77	0.000	0.776	0.79	1.00	0.79
49.85	132.80	2.898	70.40	1.428	0.77	0.000	0.776	0.79	1.00	0.79
49.90	132.80	2.901	70.40	1.430	0.77	0.000	0.776	0.79	1.00	0.79
49.95	132.80	2.904	70.40	1.431	0.77	0.000	0.776	0.79	1.00	0.79
50.00	132.80	2.907	70.40	1.433	0.77	0.000	0.776	0.79	1.00	0.79
50.05	132.84	2.911	70.44	1.435	0.77	0.000	0.776	0.78	1.00	0.78
50.10	132.89	2.914	70.49	1.436	0.77	0.000	0.776	0.78	1.00	0.78
50.15	132.93	2.917	70.53	1.438	0.77	0.000	0.776	0.78	1.00	0.78
50.20	132.98	2.920	70.58	1.440	0.77	0.000	0.776	0.78	1.00	0.78
50.25	133.02	2.923	70.62	1.441	0.77	0.000	0.776	0.78	1.00	0.78
50.30	133.07	2.926	70.67	1.443	0.76	0.000	0.776	0.78	1.00	0.78
50.35	133.11	2.929	70.71	1.445	0.76	0.000	0.776	0.78	1.00	0.78
50.40	133.16	2.933	70.76	1.446	0.76	0.000	0.776	0.78	1.00	0.78
50.45	133.20	2.936	70.80	1.448	0.76	0.000	0.776	0.78	1.00	0.78
50.50	133.25	2.939	70.85	1.450	0.76	0.000	0.776	0.78	1.00	0.78
50.55	133.29	2.942	70.89	1.451	0.76	0.000	0.776	0.78	1.00	0.78

50.60	133.34	2.945	70.94	1.453	0.76	0.000	0.776	0.78	1.00	0.78
50.65	133.38	2.948	70.98	1.455	0.76	0.000	0.776	0.78	1.00	0.78
50.70	133.43	2.951	71.03	1.456	0.76	0.000	0.776	0.78	1.00	0.78
50.75	133.47	2.955	71.07	1.458	0.76	0.000	0.776	0.78	1.00	0.78
50.80	133.52	2.958	71.12	1.460	0.76	0.000	0.776	0.78	1.00	0.78
50.85	133.56	2.961	71.16	1.462	0.76	0.000	0.776	0.78	1.00	0.78
50.90	133.61	2.964	71.21	1.463	0.76	0.000	0.776	0.78	1.00	0.78
50.95	133.65	2.967	71.25	1.465	0.76	0.000	0.776	0.78	1.00	0.78
51.00	133.70	2.970	71.30	1.467	0.76	0.000	0.776	0.78	1.00	0.78
51.05	133.74	2.974	71.34	1.468	0.76	0.000	0.776	0.77	1.00	0.77
51.10	133.79	2.977	71.39	1.470	0.76	0.000	0.776	0.77	1.00	0.77
51.15	133.83	2.980	71.43	1.472	0.76	0.000	0.776	0.77	1.00	0.77
51.20	133.88	2.983	71.48	1.473	0.76	0.000	0.776	0.77	1.00	0.77
51.25	133.92	2.986	71.52	1.475	0.76	0.000	0.776	0.77	1.00	0.77
51.30	133.97	2.989	71.57	1.477	0.76	0.000	0.776	0.77	1.00	0.77
51.35	134.01	2.993	71.61	1.478	0.76	0.000	0.776	0.77	1.00	0.77
51.40	134.06	2.996	71.66	1.480	0.76	0.000	0.776	0.77	1.00	0.77
51.45	134.10	2.999	71.70	1.482	0.76	0.000	0.776	0.77	1.00	0.77
51.50	134.15	3.002	71.75	1.483	0.75	0.000	0.776	0.77	1.00	0.77
51.55	134.19	3.005	71.79	1.485	0.75	0.000	0.776	0.77	1.00	0.77
51.60	134.24	3.008	71.84	1.487	0.75	0.000	0.776	0.77	1.00	0.77
51.65	134.28	3.012	71.88	1.489	0.75	0.000	0.776	0.77	1.00	0.77
51.70	134.33	3.015	71.93	1.490	0.75	0.000	0.776	0.77	1.00	0.77
51.75	134.37	3.018	71.97	1.492	0.75	0.000	0.776	0.77	1.00	0.77
51.80	134.42	3.021	72.02	1.494	0.75	0.000	0.776	0.77	1.00	0.77
51.85	134.46	3.024	72.06	1.495	0.75	0.000	0.776	0.77	1.00	0.77
51.90	134.51	3.027	72.11	1.497	0.75	0.000	0.776	0.77	1.00	0.77
51.95	134.55	3.031	72.15	1.499	0.75	0.000	0.776	0.77	1.00	0.77
52.00	134.60	3.034	72.20	1.500	0.75	0.000	0.776	0.77	1.00	0.77
52.05	134.64	3.037	72.24	1.502	0.75	0.000	0.776	0.77	1.00	0.77
52.10	134.69	3.040	72.29	1.504	0.75	0.000	0.776	0.76	1.00	0.76
52.15	134.73	3.043	72.33	1.506	0.75	0.000	0.776	0.76	1.00	0.76
52.20	134.78	3.046	72.38	1.507	0.75	0.000	0.776	0.76	1.00	0.76
52.25	134.82	3.050	72.42	1.509	0.75	0.000	0.776	0.76	1.00	0.76
52.30	134.87	3.053	72.47	1.511	0.75	0.000	0.776	0.76	1.00	0.76
52.35	134.91	3.056	72.51	1.512	0.75	0.000	0.776	0.76	1.00	0.76
52.40	134.96	3.059	72.56	1.514	0.75	0.000	0.776	0.76	1.00	0.76
52.45	135.00	3.062	72.60	1.516	0.75	0.000	0.776	0.76	1.00	0.76
52.50	135.05	3.066	72.65	1.518	0.75	0.000	0.776	0.76	1.00	0.76
52.55	135.09	3.069	72.69	1.519	0.75	0.000	0.776	0.76	1.00	0.76
52.60	135.14	3.072	72.74	1.521	0.75	0.000	0.776	0.76	1.00	0.76
52.65	135.18	3.075	72.78	1.523	0.75	0.000	0.776	0.76	1.00	0.76
52.70	135.23	3.078	72.83	1.524	0.75	0.000	0.776	0.76	1.00	0.76
52.75	135.27	3.082	72.87	1.526	0.74	0.000	0.776	0.76	1.00	0.76
52.80	135.32	3.085	72.92	1.528	0.74	0.000	0.776	0.76	1.00	0.76
52.85	135.36	3.088	72.96	1.530	0.74	0.000	0.776	0.76	1.00	0.76
52.90	135.41	3.091	73.01	1.531	0.74	0.000	0.776	0.76	1.00	0.76
52.95	135.45	3.094	73.05	1.533	0.74	0.000	0.776	0.76	1.00	0.76
53.00	135.50	3.098	73.10	1.535	0.74	0.000	0.776	0.76	1.00	0.76
53.05	135.54	3.101	73.14	1.536	0.74	0.000	0.776	0.76	1.00	0.76
53.10	135.59	3.104	73.19	1.538	0.74	0.000	0.776	0.76	1.00	0.76
53.15	135.63	3.107	73.23	1.540	0.74	0.000	0.776	0.75	1.00	0.75
53.20	135.68	3.110	73.28	1.542	0.74	0.000	0.776	0.75	1.00	0.75
53.25	135.72	3.114	73.32	1.543	0.74	0.000	0.776	0.75	1.00	0.75
53.30	135.77	3.117	73.37	1.545	0.74	0.000	0.776	0.75	1.00	0.75
53.35	135.81	3.120	73.41	1.547	0.74	0.000	0.776	0.75	1.00	0.75
53.40	135.86	3.123	73.46	1.549	0.74	0.000	0.776	0.75	1.00	0.75
53.45	135.90	3.126	73.50	1.550	0.74	0.000	0.776	0.75	1.00	0.75
53.50	135.95	3.130	73.55	1.552	0.74	0.000	0.776	0.75	1.00	0.75
53.55	135.99	3.133	73.59	1.554	0.74	0.000	0.776	0.75	1.00	0.75
53.60	136.04	3.136	73.64	1.556	0.74	0.000	0.776	0.75	1.00	0.75
53.65	136.08	3.139	73.68	1.557	0.74	0.000	0.776	0.75	1.00	0.75
53.70	136.13	3.142	73.73	1.559	0.74	0.000	0.776	0.75	1.00	0.75
53.75	136.17	3.146	73.77	1.561	0.74	0.000	0.776	0.75	1.00	0.75
53.80	136.22	3.149	73.82	1.563	0.74	0.000	0.776	0.75	1.00	0.75
53.85	136.26	3.152	73.86	1.564	0.74	0.000	0.776	0.75	1.00	0.75
53.90	136.31	3.155	73.91	1.566	0.74	0.000	0.776	0.75	1.00	0.75
53.95	136.35	3.159	73.95	1.568	0.73	0.000	0.776	0.75	1.00	0.75
54.00	136.40	3.162	74.00	1.570	0.73	0.000	0.776	0.75	1.00	0.75
54.05	136.44	3.165	74.04	1.571	0.73	0.000	0.776	0.75	1.00	0.75
54.10	136.49	3.168	74.09	1.573	0.73	0.000	0.776	0.75	1.00	0.75
54.15	136.53	3.171	74.13	1.575	0.73	0.000	0.776	0.74	1.00	0.74
54.20	136.58	3.175	74.18	1.577	0.73	0.000	0.776	0.74	1.00	0.74

54.25	136.62	3.178	74.22	1.578	0.73	0.000	0.776	0.74	1.00	0.74
54.30	136.67	3.181	74.27	1.580	0.73	0.000	0.776	0.74	1.00	0.74
54.35	136.71	3.184	74.31	1.582	0.73	0.000	0.776	0.74	1.00	0.74
54.40	136.76	3.188	74.36	1.584	0.73	0.000	0.776	0.74	1.00	0.74
54.45	136.80	3.191	74.40	1.585	0.73	0.000	0.776	0.74	1.00	0.74
54.50	136.85	3.194	74.45	1.587	0.73	0.000	0.776	0.74	1.00	0.74
54.55	136.89	3.197	74.49	1.589	0.73	0.000	0.776	0.74	1.00	0.74
54.60	136.94	3.201	74.54	1.591	0.73	0.000	0.776	0.74	1.00	0.74
54.65	136.98	3.204	74.58	1.592	0.73	0.000	0.776	0.74	1.00	0.74
54.70	137.03	3.207	74.63	1.594	0.73	0.000	0.776	0.74	1.00	0.74
54.75	137.07	3.210	74.67	1.596	0.73	0.000	0.776	0.74	1.00	0.74
54.80	137.12	3.213	74.72	1.598	0.73	0.000	0.776	0.74	1.00	0.74
54.85	137.16	3.217	74.76	1.599	0.73	0.000	0.776	0.74	1.00	0.74
54.90	137.21	3.220	74.81	1.601	0.73	0.000	0.776	0.74	1.00	0.74
54.95	137.25	3.223	74.85	1.603	0.73	0.000	0.776	0.74	1.00	0.74
55.00	137.30	3.226	74.90	1.605	0.73	0.000	0.776	0.74	1.00	0.74

CSR is based on water table at 0.00 during earthquake

CRR Calculation from SPT or BPT data:

Depth ft	SPT	Cebs	Cr	sigma' atm	Cn	(N1)60	Fines %	d(N1)60	(N1)60f	CRR7.5
10.00	11.00	1.96	0.85	0.572	1.32	24.23	68.60	9.85	34.08	0.50
10.05	11.00	1.96	0.85	0.575	1.32	24.17	68.60	9.83	34.00	0.50
10.10	11.00	1.96	0.85	0.577	1.32	24.11	68.60	9.82	33.93	0.50
10.15	11.00	1.96	0.85	0.580	1.31	24.05	68.60	9.81	33.86	0.50
10.20	11.00	1.96	0.85	0.583	1.31	23.99	68.60	9.80	33.79	0.50
10.25	11.00	1.96	0.85	0.586	1.31	23.93	68.60	9.79	33.72	0.50
10.30	11.00	1.96	0.85	0.589	1.30	23.88	68.60	9.78	33.65	0.50
10.35	11.00	1.96	0.85	0.592	1.30	23.82	68.60	9.76	33.58	0.50
10.40	11.00	1.96	0.85	0.595	1.30	23.76	68.60	9.75	33.51	0.50
10.45	11.00	1.96	0.85	0.598	1.29	23.70	68.60	9.74	33.44	0.50
10.50	11.00	1.96	0.85	0.600	1.29	23.65	68.60	9.73	33.38	0.50
10.55	11.00	1.96	0.85	0.603	1.29	23.59	68.60	9.72	33.31	0.50
10.60	11.00	1.96	0.85	0.606	1.28	23.53	68.60	9.71	33.24	0.50
10.65	11.00	1.96	0.85	0.609	1.28	23.48	68.60	9.70	33.17	0.50
10.70	11.00	1.96	0.85	0.612	1.28	23.42	68.60	9.68	33.11	0.50
10.75	11.00	1.96	0.85	0.615	1.28	23.37	68.60	9.67	33.04	0.50
10.80	11.00	1.96	0.85	0.618	1.27	23.31	68.60	9.66	32.98	0.50
10.85	11.00	1.96	0.85	0.620	1.27	23.26	68.60	9.65	32.91	0.50
10.90	11.00	1.96	0.85	0.623	1.27	23.21	68.60	9.64	32.85	0.50
10.95	11.00	1.96	0.85	0.626	1.26	23.15	68.60	9.63	32.79	0.50
11.00	11.00	1.96	0.85	0.629	1.26	23.10	68.60	9.62	32.72	0.50
11.05	11.00	1.96	0.85	0.632	1.26	23.05	68.60	9.61	32.66	0.50
11.10	11.00	1.96	0.85	0.635	1.26	23.00	68.60	9.60	32.60	0.50
11.15	11.00	1.96	0.85	0.638	1.25	22.95	68.60	9.59	32.53	0.50
11.20	11.00	1.96	0.85	0.641	1.25	22.89	68.60	9.58	32.47	0.50
11.25	11.00	1.96	0.85	0.643	1.25	22.84	68.60	9.57	32.41	0.50
11.30	11.00	1.96	0.85	0.646	1.24	22.79	68.60	9.56	32.35	0.50
11.35	11.00	1.96	0.85	0.649	1.24	22.74	68.60	9.55	32.29	0.50
11.40	11.00	1.96	0.85	0.652	1.24	22.69	68.60	9.54	32.23	0.50
11.45	11.00	1.96	0.85	0.655	1.24	22.64	68.60	9.53	32.17	0.50
11.50	11.00	1.96	0.85	0.658	1.23	22.59	68.60	9.52	32.11	0.50
11.55	11.00	1.96	0.85	0.661	1.23	22.54	68.60	9.51	32.05	0.50
11.60	11.00	1.96	0.85	0.663	1.23	22.49	68.60	9.50	31.99	0.50
11.65	11.00	1.96	0.85	0.666	1.23	22.45	68.60	9.49	31.93	0.50
11.70	11.00	1.96	0.85	0.669	1.22	22.40	68.60	9.48	31.88	0.50
11.75	11.00	1.96	0.85	0.672	1.22	22.35	68.60	9.47	31.82	0.50
11.80	11.00	1.96	0.85	0.675	1.22	22.30	68.60	9.46	31.76	0.50
11.85	11.00	1.96	0.85	0.678	1.21	22.25	68.60	9.45	31.70	0.50
11.90	11.00	1.96	0.85	0.681	1.21	22.21	68.60	9.44	31.65	0.50
11.95	11.00	1.96	0.85	0.684	1.21	22.16	68.60	9.43	31.59	0.50
12.00	11.00	1.96	0.85	0.686	1.21	22.11	68.60	9.42	31.54	0.50
12.05	11.00	1.96	0.85	0.689	1.20	22.07	68.60	9.41	31.48	0.50
12.10	11.00	1.96	0.85	0.692	1.20	22.02	68.60	9.40	31.43	0.50
12.15	11.00	1.96	0.85	0.695	1.20	21.98	68.60	9.40	31.37	0.50
12.20	11.00	1.96	0.85	0.698	1.20	21.93	68.60	9.39	31.32	0.50
12.25	11.00	1.96	0.85	0.701	1.19	21.89	68.60	9.38	31.26	0.50
12.30	11.00	1.96	0.85	0.704	1.19	21.84	68.60	9.37	31.21	0.50
12.35	11.00	1.96	0.85	0.707	1.19	21.80	68.60	9.36	31.16	0.50
12.40	11.00	1.96	0.85	0.710	1.19	21.75	68.60	9.35	31.10	0.50
12.45	11.00	1.96	0.85	0.712	1.18	21.71	68.60	9.34	31.05	0.50

12.50	11.00	1.96	0.85	0.715	1.18	21.66	68.60	9.33	31.00	0.50
12.55	11.00	1.96	0.85	0.718	1.18	21.62	68.60	9.32	30.94	0.50
12.60	11.00	1.96	0.85	0.721	1.18	21.58	68.60	9.32	30.89	0.50
12.65	11.00	1.96	0.85	0.724	1.18	21.53	68.60	9.31	30.84	0.50
12.70	11.00	1.96	0.85	0.727	1.17	21.49	68.60	9.30	30.79	0.50
12.75	11.00	1.96	0.85	0.730	1.17	21.45	68.60	9.29	30.74	0.50
12.80	11.00	1.96	0.85	0.733	1.17	21.41	68.60	9.28	30.69	0.50
12.85	11.00	1.96	0.85	0.735	1.17	21.36	68.60	9.27	30.64	0.50
12.90	11.00	1.96	0.85	0.738	1.16	21.32	68.60	9.26	30.59	0.50
12.95	11.00	1.96	0.85	0.741	1.16	21.28	68.60	9.26	30.54	0.50
13.00	11.00	1.96	0.85	0.744	1.16	21.24	68.60	9.25	30.49	0.50
13.05	11.00	1.96	0.85	0.747	1.16	21.20	68.60	9.24	30.44	0.50
13.10	11.00	1.96	0.85	0.750	1.15	21.16	68.60	9.23	30.39	0.50
13.15	11.00	1.96	0.85	0.753	1.15	21.12	68.60	9.22	30.34	0.50
13.20	11.00	1.96	0.85	0.756	1.15	21.08	68.60	9.22	30.29	0.50
13.25	11.00	1.96	0.85	0.759	1.15	21.04	68.60	9.21	30.24	0.50
13.30	11.00	1.96	0.85	0.761	1.15	21.00	68.60	9.20	30.20	0.50
13.35	11.00	1.96	0.85	0.764	1.14	20.96	68.60	9.19	30.15	0.50
13.40	11.00	1.96	0.85	0.767	1.14	20.92	68.60	9.18	30.10	0.49
13.45	11.00	1.96	0.85	0.770	1.14	20.88	68.60	9.18	30.05	0.47
13.50	11.00	1.96	0.85	0.773	1.14	20.84	68.60	9.17	30.01	0.46
13.55	11.00	1.96	0.85	0.776	1.14	20.80	68.60	9.16	29.96	0.45
13.60	11.00	1.96	0.85	0.779	1.13	20.76	68.60	9.15	29.91	0.44
13.65	11.00	1.96	0.85	0.782	1.13	20.72	68.60	9.14	29.87	0.44
13.70	11.00	1.96	0.85	0.785	1.13	20.69	68.60	9.14	29.82	0.43
13.75	11.00	1.96	0.85	0.787	1.13	20.65	68.60	9.13	29.78	0.42
13.80	11.00	1.96	0.85	0.790	1.12	20.61	68.60	9.12	29.73	0.42
13.85	11.00	1.96	0.85	0.793	1.12	20.57	68.60	9.11	29.69	0.41
13.90	11.00	1.96	0.85	0.796	1.12	20.53	68.60	9.11	29.64	0.41
13.95	11.00	1.96	0.85	0.799	1.12	20.50	68.60	9.10	29.60	0.41
14.00	11.00	1.96	0.85	0.802	1.12	20.46	68.60	9.09	29.55	0.40
14.05	11.00	1.96	0.85	0.805	1.11	20.42	68.60	9.08	29.51	0.40
14.10	11.00	1.96	0.85	0.808	1.11	20.39	68.60	9.08	29.46	0.40
14.15	11.00	1.96	0.85	0.811	1.11	20.35	68.60	9.07	29.42	0.40
14.20	11.00	1.96	0.85	0.813	1.11	20.31	68.60	9.06	29.38	0.39
14.25	11.00	1.96	0.85	0.816	1.11	20.28	68.60	9.06	29.33	0.39
14.30	11.00	1.96	0.85	0.819	1.10	20.24	68.60	9.05	29.29	0.39
14.35	11.00	1.96	0.85	0.822	1.10	20.21	68.60	9.04	29.25	0.39
14.40	11.00	1.96	0.85	0.825	1.10	20.17	68.60	9.03	29.21	0.38
14.45	11.00	1.96	0.85	0.828	1.10	20.14	68.60	9.03	29.16	0.38
14.50	11.00	1.96	0.85	0.831	1.10	20.10	68.60	9.02	29.12	0.38
14.55	11.00	1.96	0.85	0.834	1.10	20.07	68.60	9.01	29.08	0.38
14.60	11.00	1.96	0.85	0.837	1.09	20.03	68.60	9.01	29.04	0.38
14.65	11.00	1.96	0.85	0.840	1.09	20.00	68.60	9.00	29.00	0.37
14.70	11.00	1.96	0.85	0.842	1.09	19.96	68.60	8.99	28.95	0.37
14.75	11.00	1.96	0.85	0.845	1.09	19.93	68.60	8.99	28.91	0.37
14.80	11.00	1.96	0.95	0.848	1.09	22.23	68.60	9.45	31.68	0.50
14.85	11.00	1.96	0.95	0.851	1.08	22.20	68.60	9.44	31.64	0.50
14.90	11.00	1.96	0.95	0.854	1.08	22.16	68.60	9.43	31.59	0.50
14.95	11.00	1.96	0.95	0.857	1.08	22.12	68.60	9.42	31.54	0.50
15.00	11.00	1.96	0.95	0.860	1.08	22.08	68.60	9.42	31.50	0.50
15.05	10.92	1.96	0.95	0.863	1.08	21.89	68.92	9.38	31.26	0.50
15.10	10.84	1.96	0.95	0.866	1.07	21.69	69.25	9.34	31.03	0.50
15.15	10.76	1.96	0.95	0.869	1.07	21.49	69.57	9.30	30.79	0.50
15.20	10.68	1.96	0.95	0.872	1.07	21.30	69.90	9.26	30.56	0.50
15.25	10.60	1.96	0.95	0.874	1.07	21.10	70.22	9.22	30.32	0.50
15.30	10.52	1.96	0.95	0.877	1.07	20.91	70.54	9.18	30.09	0.48
15.35	10.44	1.96	0.95	0.880	1.07	20.72	70.87	9.14	29.86	0.43
15.40	10.36	1.96	0.95	0.883	1.06	20.52	71.19	9.10	29.63	0.41
15.45	10.28	1.96	0.95	0.886	1.06	20.33	71.52	9.07	29.40	0.39
15.50	10.20	1.96	0.95	0.889	1.06	20.14	71.84	9.03	29.17	0.38
15.55	10.12	1.96	0.95	0.892	1.06	19.95	72.16	8.99	28.94	0.37
15.60	10.04	1.96	0.95	0.895	1.06	19.76	72.49	8.95	28.71	0.36
15.65	9.96	1.96	0.95	0.898	1.06	19.57	72.81	8.91	28.49	0.36
15.70	9.88	1.96	0.95	0.900	1.05	19.38	73.14	8.88	28.26	0.35
15.75	9.80	1.96	0.95	0.903	1.05	19.20	73.46	8.84	28.03	0.34
15.80	9.72	1.96	0.95	0.906	1.05	19.01	73.78	8.80	27.81	0.34
15.85	9.64	1.96	0.95	0.909	1.05	18.82	74.11	8.76	27.59	0.33
15.90	9.56	1.96	0.95	0.912	1.05	18.64	74.43	8.73	27.36	0.33
15.95	9.48	1.96	0.95	0.915	1.05	18.45	74.76	8.69	27.14	0.32
16.00	9.40	1.96	0.95	0.918	1.04	18.27	75.08	8.65	26.92	0.32
16.05	9.32	1.96	0.95	0.921	1.04	18.08	75.40	8.62	26.70	0.31
16.10	9.24	1.96	0.95	0.924	1.04	17.90	75.73	8.58	26.48	0.31

16.15	9.16	1.96	0.95	0.926	1.04	17.72	76.05	8.54	26.26	0.30
16.20	9.08	1.96	0.95	0.929	1.04	17.53	76.38	8.51	26.04	0.30
16.25	9.00	1.96	0.95	0.932	1.04	17.35	76.70	8.47	25.82	0.30
16.30	8.92	1.96	0.95	0.935	1.03	17.17	77.02	8.43	25.61	0.29
16.35	8.84	1.96	0.95	0.938	1.03	16.99	77.35	8.40	25.39	0.29
16.40	8.76	1.96	0.95	0.941	1.03	16.81	77.67	8.36	25.18	0.29
16.45	8.68	1.96	0.95	0.944	1.03	16.63	78.00	8.33	24.96	0.28
16.50	8.60	1.96	0.95	0.947	1.03	16.46	78.32	8.29	24.75	0.28
16.55	8.52	1.96	0.95	0.949	1.03	16.28	78.64	8.26	24.53	0.28
16.60	8.44	1.96	0.95	0.952	1.02	16.10	78.97	8.22	24.32	0.27
16.65	8.36	1.96	0.95	0.955	1.02	15.92	79.29	8.18	24.11	0.27
16.70	8.28	1.96	0.95	0.958	1.02	15.75	79.62	8.15	23.90	0.27
16.75	8.20	1.96	0.95	0.961	1.02	15.57	79.94	8.11	23.69	0.26
16.80	8.12	1.96	0.95	0.964	1.02	15.40	80.26	8.08	23.48	0.26
16.85	8.04	1.96	0.95	0.967	1.02	15.22	80.59	8.04	23.27	0.26
16.90	7.96	1.96	0.95	0.970	1.02	15.05	80.91	8.01	23.06	0.25
16.95	7.88	1.96	0.95	0.972	1.01	14.88	81.24	7.98	22.85	0.25
17.00	7.80	1.96	0.95	0.975	1.01	14.70	81.56	7.94	22.64	0.25
17.05	7.72	1.96	0.95	0.977	1.01	14.54	81.88	7.91	22.45	0.25
17.10	7.64	1.96	0.95	0.978	1.01	14.38	82.21	7.88	22.26	0.24
17.15	7.56	1.96	0.95	0.979	1.01	14.22	82.53	7.84	22.06	0.24
17.20	7.48	1.96	0.95	0.981	1.01	14.06	82.86	7.81	21.87	0.24
17.25	7.40	1.96	0.95	0.982	1.01	13.90	83.18	7.78	21.68	0.24
17.30	7.32	1.96	0.95	0.984	1.01	13.74	83.50	7.75	21.49	0.23
17.35	7.24	1.96	0.95	0.985	1.01	13.58	83.83	7.72	21.30	0.23
17.40	7.16	1.96	0.95	0.986	1.01	13.42	84.15	7.68	21.11	0.23
17.45	7.08	1.96	0.95	0.988	1.01	13.26	84.48	7.65	20.91	0.23
17.50	7.00	1.96	0.95	0.989	1.01	13.10	84.80	7.62	20.72	0.22
17.55	6.92	1.96	0.95	0.991	1.00	12.94	85.12	7.59	20.53	0.22
17.60	6.84	1.96	0.95	0.992	1.00	12.79	85.45	7.56	20.34	0.22
17.65	6.76	1.96	0.95	0.993	1.00	12.63	85.77	7.53	20.15	0.22
17.70	6.68	1.96	0.95	0.995	1.00	12.47	86.10	7.49	19.96	0.22
17.75	6.60	1.96	0.95	0.996	1.00	12.31	86.42	7.46	19.77	0.21
17.80	6.52	1.96	0.95	0.997	1.00	12.15	86.74	7.43	19.58	0.21
17.85	6.44	1.96	0.95	0.999	1.00	12.00	87.07	7.40	19.40	0.21
17.90	6.36	1.96	0.95	1.000	1.00	11.84	87.39	7.37	19.21	0.21
17.95	6.28	1.96	0.95	1.002	1.00	11.68	87.72	7.34	19.02	0.21
18.00	6.20	1.96	0.95	1.003	1.00	11.53	88.04	7.31	18.83	0.20
18.05	6.12	1.96	0.95	1.004	1.00	11.37	88.36	7.27	18.64	0.20
18.10	6.04	1.96	0.95	1.006	1.00	11.21	88.69	7.24	18.46	0.20
18.15	5.96	1.96	0.95	1.007	1.00	11.06	89.01	7.21	18.27	0.20
18.20	5.88	1.96	0.95	1.008	1.00	10.90	89.34	7.18	18.08	0.20
18.25	5.80	1.96	0.95	1.010	1.00	10.75	89.66	7.15	17.89	0.19
18.30	5.72	1.96	0.95	1.011	0.99	10.59	89.98	7.12	17.71	0.19
18.35	5.64	1.96	0.95	1.012	0.99	10.43	90.31	7.09	17.52	0.19
18.40	5.56	1.96	0.95	1.014	0.99	10.28	90.63	7.06	17.34	0.19
18.45	5.48	1.96	0.95	1.015	0.99	10.13	90.96	7.03	17.15	0.19
18.50	5.40	1.96	0.95	1.017	0.99	9.97	91.28	6.99	16.96	0.18
18.55	5.32	1.96	0.95	1.018	0.99	9.82	91.60	6.96	16.78	0.18
18.60	5.24	1.96	0.95	1.019	0.99	9.66	91.93	6.93	16.59	0.18
18.65	5.16	1.96	0.95	1.021	0.99	9.51	92.25	6.90	16.41	0.18
18.70	5.08	1.96	0.95	1.022	0.99	9.35	92.58	6.87	16.23	0.18
18.75	5.00	1.96	0.95	1.023	0.99	9.20	92.90	6.84	16.04	0.17
18.80	4.92	1.96	0.95	1.025	0.99	9.05	93.22	6.81	15.86	0.17
18.85	4.84	1.96	0.95	1.026	0.99	8.90	93.55	6.78	15.67	0.17
18.90	4.76	1.96	0.95	1.027	0.99	8.74	93.87	6.75	15.49	0.17
18.95	4.68	1.96	0.95	1.029	0.99	8.59	94.20	6.72	15.31	0.17
19.00	4.60	1.96	0.95	1.030	0.99	8.44	94.52	6.69	15.13	0.16
19.05	4.52	1.96	0.95	1.031	0.98	8.29	94.84	6.66	14.94	0.16
19.10	4.44	1.96	0.95	1.033	0.98	8.13	95.17	6.63	14.76	0.16
19.15	4.36	1.96	0.95	1.034	0.98	7.98	95.49	6.60	14.58	0.16
19.20	4.28	1.96	0.95	1.035	0.98	7.83	95.82	6.57	14.40	0.16
19.25	4.20	1.96	0.95	1.037	0.98	7.68	96.14	6.54	14.21	0.15
19.30	4.12	1.96	0.95	1.038	0.98	7.53	96.46	6.51	14.03	0.15
19.35	4.04	1.96	0.95	1.040	0.98	7.38	96.79	6.48	13.85	0.15
19.40	3.96	1.96	0.95	1.041	0.98	7.23	97.11	6.45	13.67	0.15
19.45	3.88	1.96	0.95	1.042	0.98	7.08	97.44	6.42	13.49	0.15
19.50	3.80	1.96	0.95	1.044	0.98	6.93	97.76	6.39	13.31	0.14
19.55	3.72	1.96	0.95	1.045	0.98	6.77	98.08	6.35	13.13	0.14
19.60	3.64	1.96	0.95	1.046	0.98	6.63	98.41	6.33	12.95	0.14
19.65	3.56	1.96	0.95	1.048	0.98	6.48	98.73	6.30	12.77	0.14
19.70	3.48	1.96	0.95	1.049	0.98	6.33	99.06	6.27	12.59	0.14
19.75	3.40	1.96	0.95	1.050	0.98	6.18	99.38	6.24	12.41	0.13

19.80	3.32	1.96	0.95	1.052	0.98	6.03	99.70	6.21	12.23	0.13
19.85	3.24	1.96	0.95	1.053	0.97	5.88	NoLiq	6.18	12.05	0.13
19.90	3.16	1.96	0.95	1.054	0.97	5.73	NoLiq	6.15	11.88	0.13
19.95	3.08	1.96	0.95	1.056	0.97	5.58	NoLiq	6.12	11.70	0.13
20.00	3.00	1.96	0.95	1.057	0.97	5.43	NoLiq	6.09	11.52	0.12
20.05	3.00	1.96	0.95	1.058	0.97	5.43	NoLiq	6.09	11.51	0.12
20.10	3.00	1.96	0.95	1.060	0.97	5.43	NoLiq	6.09	11.51	0.12
20.15	3.00	1.96	0.95	1.061	0.97	5.42	NoLiq	6.08	11.51	0.12
20.20	3.00	1.96	0.95	1.062	0.97	5.42	NoLiq	6.08	11.50	0.12
20.25	3.00	1.96	0.95	1.064	0.97	5.42	NoLiq	6.08	11.50	0.12
20.30	3.00	1.96	0.95	1.065	0.97	5.41	NoLiq	6.08	11.49	0.12
20.35	3.00	1.96	0.95	1.066	0.97	5.41	NoLiq	6.08	11.49	0.12
20.40	3.00	1.96	0.95	1.068	0.97	5.41	NoLiq	6.08	11.49	0.12
20.45	3.00	1.96	0.95	1.069	0.97	5.40	NoLiq	6.08	11.48	0.12
20.50	3.00	1.96	0.95	1.070	0.97	5.40	NoLiq	6.08	11.48	0.12
20.55	3.00	1.96	0.95	1.072	0.97	5.40	NoLiq	6.08	11.47	0.12
20.60	3.00	1.96	0.95	1.073	0.97	5.39	NoLiq	6.08	11.47	0.12
20.65	3.00	1.96	0.95	1.074	0.96	5.39	NoLiq	6.08	11.47	0.12
20.70	3.00	1.96	0.95	1.076	0.96	5.39	NoLiq	6.08	11.46	0.12
20.75	3.00	1.96	0.95	1.077	0.96	5.38	NoLiq	6.08	11.46	0.12
20.80	3.00	1.96	0.95	1.078	0.96	5.38	NoLiq	6.08	11.45	0.12
20.85	3.00	1.96	0.95	1.080	0.96	5.38	NoLiq	6.08	11.45	0.12
20.90	3.00	1.96	0.95	1.081	0.96	5.37	NoLiq	6.07	11.45	0.12
20.95	3.00	1.96	0.95	1.082	0.96	5.37	NoLiq	6.07	11.44	0.12
21.00	3.00	1.96	0.95	1.084	0.96	5.37	NoLiq	6.07	11.44	0.12
21.05	3.00	1.96	0.95	1.085	0.96	5.36	NoLiq	6.07	11.43	0.12
21.10	3.00	1.96	0.95	1.086	0.96	5.36	NoLiq	6.07	11.43	0.12
21.15	3.00	1.96	0.95	1.088	0.96	5.36	NoLiq	6.07	11.43	0.12
21.20	3.00	1.96	0.95	1.089	0.96	5.35	NoLiq	6.07	11.42	0.12
21.25	3.00	1.96	0.95	1.090	0.96	5.35	NoLiq	6.07	11.42	0.12
21.30	3.00	1.96	0.95	1.092	0.96	5.35	NoLiq	6.07	11.41	0.12
21.35	3.00	1.96	0.95	1.093	0.96	5.34	NoLiq	6.07	11.41	0.12
21.40	3.00	1.96	0.95	1.094	0.96	5.34	NoLiq	6.07	11.41	0.12
21.45	3.00	1.96	0.95	1.096	0.96	5.34	NoLiq	6.07	11.40	0.12
21.50	3.00	1.96	0.95	1.097	0.95	5.33	NoLiq	6.07	11.40	0.12
21.55	3.00	1.96	0.95	1.098	0.95	5.33	NoLiq	6.07	11.40	0.12
21.60	3.00	1.96	0.95	1.100	0.95	5.33	NoLiq	6.07	11.39	0.12
21.65	3.00	1.96	0.95	1.101	0.95	5.32	NoLiq	6.06	11.39	0.12
21.70	3.00	1.96	0.95	1.102	0.95	5.32	NoLiq	6.06	11.38	0.12
21.75	3.00	1.96	0.95	1.103	0.95	5.32	NoLiq	6.06	11.38	0.12
21.80	3.00	1.96	0.95	1.105	0.95	5.31	NoLiq	6.06	11.38	0.12
21.85	3.00	1.96	0.95	1.106	0.95	5.31	NoLiq	6.06	11.37	0.12
21.90	3.00	1.96	0.95	1.107	0.95	5.31	NoLiq	6.06	11.37	0.12
21.95	3.00	1.96	0.95	1.109	0.95	5.30	NoLiq	6.06	11.36	0.12
22.00	3.00	1.96	0.95	1.110	0.95	5.30	NoLiq	6.06	11.36	0.12
22.05	3.00	1.96	0.95	1.111	0.95	5.30	NoLiq	6.06	11.36	0.12
22.10	3.00	1.96	0.95	1.113	0.95	5.29	NoLiq	6.06	11.35	0.12
22.15	3.00	1.96	0.95	1.114	0.95	5.29	NoLiq	6.06	11.35	0.12
22.20	3.00	1.96	0.95	1.115	0.95	5.29	NoLiq	6.06	11.35	0.12
22.25	3.00	1.96	0.95	1.117	0.95	5.28	NoLiq	6.06	11.34	0.12
22.30	3.00	1.96	0.95	1.118	0.95	5.28	NoLiq	6.06	11.34	0.12
22.35	3.00	1.96	0.95	1.119	0.95	5.28	NoLiq	6.06	11.33	0.12
22.40	3.00	1.96	0.95	1.121	0.94	5.28	NoLiq	6.06	11.33	0.12
22.45	3.00	1.96	0.95	1.122	0.94	5.27	NoLiq	6.05	11.33	0.12
22.50	3.00	1.96	0.95	1.123	0.94	5.27	NoLiq	6.05	11.32	0.12
22.55	3.00	1.96	0.95	1.125	0.94	5.27	NoLiq	6.05	11.32	0.12
22.60	3.00	1.96	0.95	1.126	0.94	5.26	NoLiq	6.05	11.32	0.12
22.65	3.00	1.96	0.95	1.127	0.94	5.26	NoLiq	6.05	11.31	0.12
22.70	3.00	1.96	0.95	1.129	0.94	5.26	NoLiq	6.05	11.31	0.12
22.75	3.00	1.96	0.95	1.130	0.94	5.25	NoLiq	6.05	11.30	0.12
22.80	3.00	1.96	0.95	1.131	0.94	5.25	NoLiq	6.05	11.30	0.12
22.85	3.00	1.96	0.95	1.133	0.94	5.25	NoLiq	6.05	11.30	0.12
22.90	3.00	1.96	0.95	1.134	0.94	5.24	NoLiq	6.05	11.29	0.12
22.95	3.00	1.96	0.95	1.136	0.94	5.24	NoLiq	6.05	11.29	0.12
23.00	3.00	1.96	0.95	1.137	0.94	5.24	NoLiq	6.05	11.29	0.12
23.05	3.00	1.96	0.95	1.138	0.94	5.23	NoLiq	6.05	11.28	0.12
23.10	3.00	1.96	0.95	1.140	0.94	5.23	NoLiq	6.05	11.28	0.12
23.15	3.00	1.96	0.95	1.141	0.94	5.23	NoLiq	6.05	11.27	0.12
23.20	3.00	1.96	0.95	1.142	0.94	5.23	NoLiq	6.05	11.27	0.12
23.25	3.00	1.96	0.95	1.144	0.94	5.22	NoLiq	6.04	11.27	0.12
23.30	3.00	1.96	0.95	1.145	0.93	5.22	NoLiq	6.04	11.26	0.12
23.35	3.00	1.96	0.95	1.146	0.93	5.22	NoLiq	6.04	11.26	0.12
23.40	3.00	1.96	0.95	1.148	0.93	5.21	NoLiq	6.04	11.26	0.12

23.45	3.00	1.96	0.95	1.149	0.93	5.21	NoLiq	6.04	11.25	0.12
23.50	3.00	1.96	0.95	1.150	0.93	5.21	NoLiq	6.04	11.25	0.12
23.55	3.00	1.96	0.95	1.152	0.93	5.20	NoLiq	6.04	11.25	0.12
23.60	3.00	1.96	0.95	1.153	0.93	5.20	NoLiq	6.04	11.24	0.12
23.65	3.00	1.96	0.95	1.154	0.93	5.20	NoLiq	6.04	11.24	0.12
23.70	3.00	1.96	0.95	1.156	0.93	5.20	NoLiq	6.04	11.23	0.12
23.75	3.00	1.96	0.95	1.157	0.93	5.19	NoLiq	6.04	11.23	0.12
23.80	3.00	1.96	0.95	1.158	0.93	5.19	NoLiq	6.04	11.23	0.12
23.85	3.00	1.96	0.95	1.160	0.93	5.19	NoLiq	6.04	11.22	0.12
23.90	3.00	1.96	0.95	1.161	0.93	5.18	NoLiq	6.04	11.22	0.12
23.95	3.00	1.96	0.95	1.162	0.93	5.18	NoLiq	6.04	11.22	0.12
24.00	3.00	1.96	0.95	1.164	0.93	5.18	NoLiq	6.04	11.21	0.12
24.05	3.00	1.96	0.95	1.165	0.93	5.17	NoLiq	6.03	11.21	0.12
24.10	3.00	1.96	0.95	1.166	0.93	5.17	NoLiq	6.03	11.21	0.12
24.15	3.00	1.96	0.95	1.168	0.93	5.17	NoLiq	6.03	11.20	0.12
24.20	3.00	1.96	0.95	1.169	0.92	5.17	NoLiq	6.03	11.20	0.12
24.25	3.00	1.96	0.95	1.170	0.92	5.16	NoLiq	6.03	11.20	0.12
24.30	3.00	1.96	0.95	1.172	0.92	5.16	NoLiq	6.03	11.19	0.12
24.35	3.00	1.96	0.95	1.173	0.92	5.16	NoLiq	6.03	11.19	0.12
24.40	3.00	1.96	0.95	1.174	0.92	5.15	NoLiq	6.03	11.18	0.12
24.45	3.00	1.96	0.95	1.176	0.92	5.15	NoLiq	6.03	11.18	0.12
24.50	3.00	1.96	0.95	1.177	0.92	5.15	NoLiq	6.03	11.18	0.12
24.55	3.00	1.96	0.95	1.178	0.92	5.15	NoLiq	6.03	11.17	0.12
24.60	3.00	1.96	0.95	1.180	0.92	5.14	NoLiq	6.03	11.17	0.12
24.65	3.00	1.96	0.95	1.181	0.92	5.14	NoLiq	6.03	11.17	0.12
24.70	3.00	1.96	0.95	1.182	0.92	5.14	NoLiq	6.03	11.16	0.12
24.75	3.00	1.96	0.95	1.184	0.92	5.13	NoLiq	6.03	11.16	0.12
24.80	3.00	1.96	0.95	1.185	0.92	5.13	NoLiq	6.03	11.16	0.12
24.85	3.00	1.96	0.95	1.186	0.92	5.13	NoLiq	6.03	11.15	0.12
24.90	3.00	1.96	0.95	1.188	0.92	5.12	NoLiq	6.02	11.15	0.12
24.95	3.00	1.96	0.95	1.189	0.92	5.12	NoLiq	6.02	11.15	0.12
25.00	3.00	1.96	0.95	1.190	0.92	5.12	NoLiq	6.02	11.14	0.12
25.05	3.06	1.96	0.95	1.192	0.92	5.22	NoLiq	6.04	11.26	0.12
25.10	3.12	1.96	0.95	1.193	0.92	5.32	NoLiq	6.06	11.38	0.12
25.15	3.18	1.96	0.95	1.194	0.92	5.42	NoLiq	6.08	11.50	0.12
25.20	3.24	1.96	0.95	1.196	0.91	5.52	NoLiq	6.10	11.62	0.13
25.25	3.30	1.96	0.95	1.197	0.91	5.61	NoLiq	6.12	11.74	0.13
25.30	3.36	1.96	0.95	1.198	0.91	5.71	NoLiq	6.14	11.86	0.13
25.35	3.42	1.96	0.95	1.200	0.91	5.81	NoLiq	6.16	11.98	0.13
25.40	3.48	1.96	0.95	1.201	0.91	5.91	NoLiq	6.18	12.09	0.13
25.45	3.54	1.96	0.95	1.202	0.91	6.01	NoLiq	6.20	12.21	0.13
25.50	3.60	1.96	0.95	1.204	0.91	6.11	NoLiq	6.22	12.33	0.13
25.55	3.66	1.96	0.95	1.205	0.91	6.21	NoLiq	6.24	12.45	0.13
25.60	3.72	1.96	0.95	1.206	0.91	6.31	NoLiq	6.26	12.57	0.14
25.65	3.78	1.96	0.95	1.208	0.91	6.40	NoLiq	6.28	12.68	0.14
25.70	3.84	1.96	0.95	1.209	0.91	6.50	NoLiq	6.30	12.80	0.14
25.75	3.90	1.96	0.95	1.210	0.91	6.60	NoLiq	6.32	12.92	0.14
25.80	3.96	1.96	0.95	1.212	0.91	6.70	NoLiq	6.34	13.04	0.14
25.85	4.02	1.96	0.95	1.213	0.91	6.79	NoLiq	6.36	13.15	0.14
25.90	4.08	1.96	0.95	1.214	0.91	6.89	NoLiq	6.38	13.27	0.14
25.95	4.14	1.96	0.95	1.216	0.91	6.99	NoLiq	6.40	13.39	0.14
26.00	4.20	1.96	0.95	1.217	0.91	7.09	NoLiq	6.42	13.50	0.15
26.05	4.26	1.96	0.95	1.218	0.91	7.18	NoLiq	6.44	13.62	0.15
26.10	4.32	1.96	0.95	1.220	0.91	7.28	NoLiq	6.46	13.74	0.15
26.15	4.38	1.96	0.95	1.221	0.90	7.38	NoLiq	6.48	13.85	0.15
26.20	4.44	1.96	0.95	1.222	0.90	7.48	NoLiq	6.50	13.97	0.15
26.25	4.50	1.96	0.95	1.224	0.90	7.57	NoLiq	6.51	14.09	0.15
26.30	4.56	1.96	0.95	1.225	0.90	7.67	NoLiq	6.53	14.20	0.15
26.35	4.62	1.96	0.95	1.226	0.90	7.77	NoLiq	6.55	14.32	0.15
26.40	4.68	1.96	0.95	1.228	0.90	7.86	NoLiq	6.57	14.44	0.16
26.45	4.74	1.96	0.95	1.229	0.90	7.96	NoLiq	6.59	14.55	0.16
26.50	4.80	1.96	0.95	1.230	0.90	8.06	NoLiq	6.61	14.67	0.16
26.55	4.86	1.96	0.95	1.232	0.90	8.15	NoLiq	6.63	14.78	0.16
26.60	4.92	1.96	0.95	1.233	0.90	8.25	NoLiq	6.65	14.90	0.16
26.65	4.98	1.96	0.95	1.234	0.90	8.34	NoLiq	6.67	15.01	0.16
26.70	5.04	1.96	0.95	1.236	0.90	8.44	NoLiq	6.69	15.13	0.16
26.75	5.10	1.96	0.95	1.237	0.90	8.54	NoLiq	6.71	15.24	0.16
26.80	5.16	1.96	0.95	1.238	0.90	8.63	NoLiq	6.73	15.36	0.17
26.85	5.22	1.96	0.95	1.240	0.90	8.73	NoLiq	6.75	15.47	0.17
26.90	5.28	1.96	0.95	1.241	0.90	8.82	NoLiq	6.76	15.59	0.17
26.95	5.34	1.96	0.95	1.242	0.90	8.92	NoLiq	6.78	15.70	0.17
27.00	5.40	1.96	0.95	1.244	0.90	9.01	NoLiq	6.80	15.82	0.17
27.05	5.46	1.96	0.95	1.245	0.90	9.11	NoLiq	6.82	15.93	0.17

27.10	5.52	1.96	0.95	1.246	0.90	9.20	NoLiq	6.84	16.05	0.17
27.15	5.58	1.96	0.95	1.248	0.90	9.30	NoLiq	6.86	16.16	0.17
27.20	5.64	1.96	0.95	1.249	0.89	9.39	NoLiq	6.88	16.27	0.18
27.25	5.70	1.96	0.95	1.250	0.89	9.49	NoLiq	6.90	16.39	0.18
27.30	5.76	1.96	0.95	1.252	0.89	9.58	NoLiq	6.92	16.50	0.18
27.35	5.82	1.96	0.95	1.253	0.89	9.68	NoLiq	6.94	16.62	0.18
27.40	5.88	1.96	0.95	1.254	0.89	9.77	NoLiq	6.95	16.73	0.18
27.45	5.94	1.96	0.95	1.256	0.89	9.87	NoLiq	6.97	16.84	0.18
27.50	6.00	1.96	0.95	1.257	0.89	9.96	NoLiq	6.99	16.96	0.18
27.55	6.06	1.96	0.95	1.258	0.89	10.06	NoLiq	7.01	17.07	0.18
27.60	6.12	1.96	0.95	1.259	0.89	10.15	NoLiq	7.03	17.18	0.19
27.65	6.18	1.96	0.95	1.261	0.89	10.25	NoLiq	7.05	17.29	0.19
27.70	6.24	1.96	0.95	1.262	0.89	10.34	NoLiq	7.07	17.41	0.19
27.75	6.30	1.96	0.95	1.263	0.89	10.43	NoLiq	7.09	17.52	0.19
27.80	6.36	1.96	0.95	1.265	0.89	10.53	NoLiq	7.11	17.63	0.19
27.85	6.42	1.96	0.95	1.266	0.89	10.62	NoLiq	7.12	17.75	0.19
27.90	6.48	1.96	1.00	1.267	0.89	11.28	NoLiq	7.26	18.53	0.20
27.95	6.54	1.96	1.00	1.269	0.89	11.38	NoLiq	7.28	18.65	0.20
28.00	6.60	1.96	1.00	1.270	0.89	11.48	NoLiq	7.30	18.77	0.20
28.05	6.66	1.96	1.00	1.271	0.89	11.57	NoLiq	7.31	18.89	0.20
28.10	6.72	1.96	1.00	1.273	0.89	11.67	NoLiq	7.33	19.01	0.21
28.15	6.78	1.96	1.00	1.274	0.89	11.77	NoLiq	7.35	19.12	0.21
28.20	6.84	1.96	1.00	1.275	0.89	11.87	NoLiq	7.37	19.24	0.21
28.25	6.90	1.96	1.00	1.277	0.89	11.97	NoLiq	7.39	19.36	0.21
28.30	6.96	1.96	1.00	1.278	0.88	12.06	NoLiq	7.41	19.48	0.21
28.35	7.02	1.96	1.00	1.279	0.88	12.16	NoLiq	7.43	19.59	0.21
28.40	7.08	1.96	1.00	1.281	0.88	12.26	NoLiq	7.45	19.71	0.21
28.45	7.14	1.96	1.00	1.282	0.88	12.36	NoLiq	7.47	19.83	0.21
28.50	7.20	1.96	1.00	1.283	0.88	12.45	NoLiq	7.49	19.95	0.22
28.55	7.26	1.96	1.00	1.285	0.88	12.55	NoLiq	7.51	20.06	0.22
28.60	7.32	1.96	1.00	1.286	0.88	12.65	NoLiq	7.53	20.18	0.22
28.65	7.38	1.96	1.00	1.287	0.88	12.75	NoLiq	7.55	20.30	0.22
28.70	7.44	1.96	1.00	1.289	0.88	12.84	NoLiq	7.57	20.41	0.22
28.75	7.50	1.96	1.00	1.290	0.88	12.94	NoLiq	7.59	20.53	0.22
28.80	7.56	1.96	1.00	1.291	0.88	13.04	NoLiq	7.61	20.64	0.22
28.85	7.62	1.96	1.00	1.293	0.88	13.13	NoLiq	7.63	20.76	0.23
28.90	7.68	1.96	1.00	1.294	0.88	13.23	NoLiq	7.65	20.88	0.23
28.95	7.74	1.96	1.00	1.295	0.88	13.33	NoLiq	7.67	20.99	0.23
29.00	7.80	1.96	1.00	1.297	0.88	13.42	NoLiq	7.68	21.11	0.23
29.05	7.86	1.96	1.00	1.298	0.88	13.52	NoLiq	7.70	21.22	0.23
29.10	7.92	1.96	1.00	1.299	0.88	13.62	NoLiq	7.72	21.34	0.23
29.15	7.98	1.96	1.00	1.300	0.88	13.71	NoLiq	7.74	21.45	0.23
29.20	8.04	1.96	1.00	1.302	0.88	13.81	NoLiq	7.76	21.57	0.23
29.25	8.10	1.96	1.00	1.303	0.88	13.90	NoLiq	7.78	21.69	0.24
29.30	8.16	1.96	1.00	1.304	0.88	14.00	NoLiq	7.80	21.80	0.24
29.35	8.22	1.96	1.00	1.306	0.88	14.10	NoLiq	7.82	21.92	0.24
29.40	8.28	1.96	1.00	1.307	0.87	14.19	NoLiq	7.84	22.03	0.24
29.45	8.34	1.96	1.00	1.308	0.87	14.29	NoLiq	7.86	22.15	0.24
29.50	8.40	1.96	1.00	1.310	0.87	14.38	NoLiq	7.88	22.26	0.24
29.55	8.46	1.96	1.00	1.311	0.87	14.48	NoLiq	7.90	22.37	0.24
29.60	8.52	1.96	1.00	1.312	0.87	14.57	NoLiq	7.91	22.49	0.25
29.65	8.58	1.96	1.00	1.314	0.87	14.67	NoLiq	7.93	22.60	0.25
29.70	8.64	1.96	1.00	1.315	0.87	14.76	NoLiq	7.95	22.72	0.25
29.75	8.70	1.96	1.00	1.316	0.87	14.86	NoLiq	7.97	22.83	0.25
29.80	8.76	1.96	1.00	1.318	0.87	14.95	NoLiq	7.99	22.95	0.25
29.85	8.82	1.96	1.00	1.319	0.87	15.05	NoLiq	8.01	23.06	0.25
29.90	8.88	1.96	1.00	1.320	0.87	15.14	NoLiq	8.03	23.17	0.26
29.95	8.94	1.96	1.00	1.322	0.87	15.24	NoLiq	8.05	23.29	0.26
30.00	9.00	1.96	1.00	1.323	0.87	15.33	NoLiq	8.07	23.40	0.26
30.05	9.00	1.96	1.00	1.324	0.87	15.33	NoLiq	8.07	23.39	0.26
30.10	9.00	1.96	1.00	1.325	0.87	15.32	NoLiq	8.06	23.38	0.26
30.15	9.00	1.96	1.00	1.327	0.87	15.31	NoLiq	8.06	23.37	0.26
30.20	9.00	1.96	1.00	1.328	0.87	15.30	NoLiq	8.06	23.36	0.26
30.25	9.00	1.96	1.00	1.329	0.87	15.30	NoLiq	8.06	23.36	0.26
30.30	9.00	1.96	1.00	1.331	0.87	15.29	NoLiq	8.06	23.35	0.26
30.35	9.00	1.96	1.00	1.332	0.87	15.28	NoLiq	8.06	23.34	0.26
30.40	9.00	1.96	1.00	1.333	0.87	15.27	NoLiq	8.05	23.33	0.26
30.45	9.00	1.96	1.00	1.335	0.87	15.27	NoLiq	8.05	23.32	0.26
30.50	9.00	1.96	1.00	1.336	0.87	15.26	NoLiq	8.05	23.31	0.26
30.55	9.00	1.96	1.00	1.337	0.86	15.25	NoLiq	8.05	23.30	0.26
30.60	9.00	1.96	1.00	1.339	0.86	15.24	NoLiq	8.05	23.29	0.26
30.65	9.00	1.96	1.00	1.340	0.86	15.24	NoLiq	8.05	23.28	0.26
30.70	9.00	1.96	1.00	1.341	0.86	15.23	NoLiq	8.05	23.27	0.26

30.75	9.00	1.96	1.00	1.343	0.86	15.22	NoLiq	8.04	23.26	0.26
30.80	9.00	1.96	1.00	1.344	0.86	15.21	NoLiq	8.04	23.26	0.26
30.85	9.00	1.96	1.00	1.345	0.86	15.21	NoLiq	8.04	23.25	0.26
30.90	9.00	1.96	1.00	1.347	0.86	15.20	NoLiq	8.04	23.24	0.26
30.95	9.00	1.96	1.00	1.348	0.86	15.19	NoLiq	8.04	23.23	0.26
31.00	9.00	1.96	1.00	1.349	0.86	15.18	NoLiq	8.04	23.22	0.26
31.05	9.00	1.96	1.00	1.351	0.86	15.17	NoLiq	8.03	23.21	0.26
31.10	9.00	1.96	1.00	1.352	0.86	15.17	NoLiq	8.03	23.20	0.26
31.15	9.00	1.96	1.00	1.353	0.86	15.16	NoLiq	8.03	23.19	0.26
31.20	9.00	1.96	1.00	1.355	0.86	15.15	NoLiq	8.03	23.18	0.26
31.25	9.00	1.96	1.00	1.356	0.86	15.14	NoLiq	8.03	23.17	0.26
31.30	9.00	1.96	1.00	1.357	0.86	15.14	NoLiq	8.03	23.16	0.26
31.35	9.00	1.96	1.00	1.359	0.86	15.13	NoLiq	8.03	23.16	0.26
31.40	9.00	1.96	1.00	1.360	0.86	15.12	NoLiq	8.02	23.15	0.26
31.45	9.00	1.96	1.00	1.362	0.86	15.11	NoLiq	8.02	23.14	0.26
31.50	9.00	1.96	1.00	1.363	0.86	15.11	NoLiq	8.02	23.13	0.25
31.55	9.00	1.96	1.00	1.364	0.86	15.10	NoLiq	8.02	23.12	0.25
31.60	9.00	1.96	1.00	1.366	0.86	15.09	NoLiq	8.02	23.11	0.25
31.65	9.00	1.96	1.00	1.367	0.86	15.08	NoLiq	8.02	23.10	0.25
31.70	9.00	1.96	1.00	1.368	0.85	15.08	NoLiq	8.02	23.09	0.25
31.75	9.00	1.96	1.00	1.370	0.85	15.07	NoLiq	8.01	23.08	0.25
31.80	9.00	1.96	1.00	1.371	0.85	15.06	NoLiq	8.01	23.07	0.25
31.85	9.00	1.96	1.00	1.372	0.85	15.05	NoLiq	8.01	23.07	0.25
31.90	9.00	1.96	1.00	1.374	0.85	15.05	NoLiq	8.01	23.06	0.25
31.95	9.00	1.96	1.00	1.375	0.85	15.04	NoLiq	8.01	23.05	0.25
32.00	9.00	1.96	1.00	1.377	0.85	15.03	NoLiq	8.01	23.04	0.25
32.05	9.00	1.96	1.00	1.378	0.85	15.02	NoLiq	8.00	23.03	0.25
32.10	9.00	1.96	1.00	1.379	0.85	15.02	NoLiq	8.00	23.02	0.25
32.15	9.00	1.96	1.00	1.381	0.85	15.01	NoLiq	8.00	23.01	0.25
32.20	9.00	1.96	1.00	1.382	0.85	15.00	NoLiq	8.00	23.00	0.25
32.25	9.00	1.96	1.00	1.383	0.85	14.99	NoLiq	8.00	22.99	0.25
32.30	9.00	1.96	1.00	1.385	0.85	14.99	NoLiq	8.00	22.98	0.25
32.35	9.00	1.96	1.00	1.386	0.85	14.98	NoLiq	8.00	22.98	0.25
32.40	9.00	1.96	1.00	1.388	0.85	14.97	NoLiq	7.99	22.97	0.25
32.45	9.00	1.96	1.00	1.389	0.85	14.96	NoLiq	7.99	22.96	0.25
32.50	9.00	1.96	1.00	1.390	0.85	14.96	NoLiq	7.99	22.95	0.25
32.55	9.00	1.96	1.00	1.392	0.85	14.95	NoLiq	7.99	22.94	0.25
32.60	9.00	1.96	1.00	1.393	0.85	14.94	NoLiq	7.99	22.93	0.25
32.65	9.00	1.96	1.00	1.394	0.85	14.94	NoLiq	7.99	22.92	0.25
32.70	9.00	1.96	1.00	1.396	0.85	14.93	NoLiq	7.99	22.91	0.25
32.75	9.00	1.96	1.00	1.397	0.85	14.92	NoLiq	7.98	22.90	0.25
32.80	9.00	1.96	1.00	1.399	0.85	14.91	NoLiq	7.98	22.90	0.25
32.85	9.00	1.96	1.00	1.400	0.85	14.91	NoLiq	7.98	22.89	0.25
32.90	9.00	1.96	1.00	1.401	0.84	14.90	NoLiq	7.98	22.88	0.25
32.95	9.00	1.96	1.00	1.403	0.84	14.89	NoLiq	7.98	22.87	0.25
33.00	9.00	1.96	1.00	1.404	0.84	14.88	NoLiq	7.98	22.86	0.25
33.05	9.00	1.96	1.00	1.406	0.84	14.88	NoLiq	7.98	22.85	0.25
33.10	9.00	1.96	1.00	1.407	0.84	14.87	NoLiq	7.97	22.84	0.25
33.15	9.00	1.96	1.00	1.408	0.84	14.86	NoLiq	7.97	22.83	0.25
33.20	9.00	1.96	1.00	1.410	0.84	14.85	NoLiq	7.97	22.82	0.25
33.25	9.00	1.96	1.00	1.411	0.84	14.85	NoLiq	7.97	22.82	0.25
33.30	9.00	1.96	1.00	1.413	0.84	14.84	NoLiq	7.97	22.81	0.25
33.35	9.00	1.96	1.00	1.414	0.84	14.83	NoLiq	7.97	22.80	0.25
33.40	9.00	1.96	1.00	1.415	0.84	14.82	NoLiq	7.96	22.79	0.25
33.45	9.00	1.96	1.00	1.417	0.84	14.82	NoLiq	7.96	22.78	0.25
33.50	9.00	1.96	1.00	1.418	0.84	14.81	NoLiq	7.96	22.77	0.25
33.55	9.00	1.96	1.00	1.420	0.84	14.80	NoLiq	7.96	22.76	0.25
33.60	9.00	1.96	1.00	1.421	0.84	14.79	NoLiq	7.96	22.75	0.25
33.65	9.00	1.96	1.00	1.423	0.84	14.79	NoLiq	7.96	22.74	0.25
33.70	9.00	1.96	1.00	1.424	0.84	14.78	NoLiq	7.96	22.74	0.25
33.75	9.00	1.96	1.00	1.425	0.84	14.77	NoLiq	7.95	22.73	0.25
33.80	9.00	1.96	1.00	1.427	0.84	14.76	NoLiq	7.95	22.72	0.25
33.85	9.00	1.96	1.00	1.428	0.84	14.76	NoLiq	7.95	22.71	0.25
33.90	9.00	1.96	1.00	1.430	0.84	14.75	NoLiq	7.95	22.70	0.25
33.95	9.00	1.96	1.00	1.431	0.84	14.74	NoLiq	7.95	22.69	0.25
34.00	9.00	1.96	1.00	1.432	0.84	14.74	NoLiq	7.95	22.68	0.25
34.05	9.00	1.96	1.00	1.434	0.84	14.73	NoLiq	7.95	22.67	0.25
34.10	9.00	1.96	1.00	1.435	0.83	14.72	NoLiq	7.94	22.67	0.25
34.15	9.00	1.96	1.00	1.437	0.83	14.71	NoLiq	7.94	22.66	0.25
34.20	9.00	1.96	1.00	1.438	0.83	14.71	NoLiq	7.94	22.65	0.25
34.25	9.00	1.96	1.00	1.440	0.83	14.70	NoLiq	7.94	22.64	0.25
34.30	9.00	1.96	1.00	1.441	0.83	14.69	NoLiq	7.94	22.63	0.25
34.35	9.00	1.96	1.00	1.443	0.83	14.68	NoLiq	7.94	22.62	0.25

34.40	9.00	1.96	1.00	1.444	0.83	14.68	NoLiq	7.94	22.61	0.25
34.45	9.00	1.96	1.00	1.445	0.83	14.67	NoLiq	7.93	22.60	0.25
34.50	9.00	1.96	1.00	1.447	0.83	14.66	NoLiq	7.93	22.59	0.25
34.55	9.00	1.96	1.00	1.448	0.83	14.65	NoLiq	7.93	22.59	0.25
34.60	9.00	1.96	1.00	1.450	0.83	14.65	NoLiq	7.93	22.58	0.25
34.65	9.00	1.96	1.00	1.451	0.83	14.64	NoLiq	7.93	22.57	0.25
34.70	9.00	1.96	1.00	1.453	0.83	14.63	NoLiq	7.93	22.56	0.25
34.75	9.00	1.96	1.00	1.454	0.83	14.63	NoLiq	7.93	22.55	0.25
34.80	9.00	1.96	1.00	1.456	0.83	14.62	NoLiq	7.92	22.54	0.25
34.85	9.00	1.96	1.00	1.457	0.83	14.61	NoLiq	7.92	22.53	0.25
34.90	9.00	1.96	1.00	1.458	0.83	14.60	NoLiq	7.92	22.52	0.25
34.95	9.00	1.96	1.00	1.460	0.83	14.60	NoLiq	7.92	22.52	0.25
35.00	9.00	1.96	1.00	1.461	0.83	14.59	NoLiq	7.92	22.51	0.25
35.05	9.04	1.96	1.00	1.463	0.83	14.65	NoLiq	7.93	22.58	0.25
35.10	9.08	1.96	1.00	1.464	0.83	14.70	NoLiq	7.94	22.64	0.25
35.15	9.12	1.96	1.00	1.466	0.83	14.76	NoLiq	7.95	22.71	0.25
35.20	9.16	1.96	1.00	1.467	0.83	14.82	NoLiq	7.96	22.78	0.25
35.25	9.20	1.96	1.00	1.469	0.83	14.88	NoLiq	7.98	22.85	0.25
35.30	9.24	1.96	1.00	1.470	0.82	14.93	NoLiq	7.99	22.92	0.25
35.35	9.28	1.96	1.00	1.472	0.82	14.99	NoLiq	8.00	22.99	0.25
35.40	9.32	1.96	1.00	1.473	0.82	15.05	NoLiq	8.01	23.06	0.25
35.45	9.36	1.96	1.00	1.474	0.82	15.10	NoLiq	8.02	23.13	0.25
35.50	9.40	1.96	1.00	1.476	0.82	15.16	NoLiq	8.03	23.19	0.26
35.55	9.44	1.96	1.00	1.477	0.82	15.22	NoLiq	8.04	23.26	0.26
35.60	9.48	1.96	1.00	1.479	0.82	15.28	NoLiq	8.06	23.33	0.26
35.65	9.52	1.96	1.00	1.480	0.82	15.33	NoLiq	8.07	23.40	0.26
35.70	9.56	1.96	1.00	1.482	0.82	15.39	NoLiq	8.08	23.47	0.26
35.75	9.60	1.96	1.00	1.483	0.82	15.45	NoLiq	8.09	23.54	0.26
35.80	9.64	1.96	1.00	1.485	0.82	15.50	NoLiq	8.10	23.60	0.26
35.85	9.68	1.96	1.00	1.486	0.82	15.56	NoLiq	8.11	23.67	0.26
35.90	9.72	1.96	1.00	1.488	0.82	15.62	NoLiq	8.12	23.74	0.26
35.95	9.76	1.96	1.00	1.489	0.82	15.67	NoLiq	8.13	23.81	0.26
36.00	9.80	1.96	1.00	1.491	0.82	15.73	NoLiq	8.15	23.87	0.27
36.05	9.84	1.96	1.00	1.492	0.82	15.79	NoLiq	8.16	23.94	0.27
36.10	9.88	1.96	1.00	1.494	0.82	15.84	NoLiq	8.17	24.01	0.27
36.15	9.92	1.96	1.00	1.495	0.82	15.90	NoLiq	8.18	24.08	0.27
36.20	9.96	1.96	1.00	1.496	0.82	15.95	NoLiq	8.19	24.15	0.27
36.25	10.00	1.96	1.00	1.498	0.82	16.01	NoLiq	8.20	24.21	0.27
36.30	10.04	1.96	1.00	1.499	0.82	16.07	NoLiq	8.21	24.28	0.27
36.35	10.08	1.96	1.00	1.501	0.82	16.12	NoLiq	8.22	24.35	0.27
36.40	10.12	1.96	1.00	1.502	0.82	16.18	NoLiq	8.24	24.41	0.27
36.45	10.16	1.96	1.00	1.504	0.82	16.24	NoLiq	8.25	24.48	0.27
36.50	10.20	1.96	1.00	1.505	0.82	16.29	NoLiq	8.26	24.55	0.28
36.55	10.24	1.96	1.00	1.507	0.81	16.35	NoLiq	8.27	24.62	0.28
36.60	10.28	1.96	1.00	1.508	0.81	16.40	NoLiq	8.28	24.68	0.28
36.65	10.32	1.96	1.00	1.510	0.81	16.46	NoLiq	8.29	24.75	0.28
36.70	10.36	1.96	1.00	1.511	0.81	16.51	NoLiq	8.30	24.82	0.28
36.75	10.40	1.96	1.00	1.513	0.81	16.57	NoLiq	8.31	24.88	0.28
36.80	10.44	1.96	1.00	1.514	0.81	16.63	NoLiq	8.33	24.95	0.28
36.85	10.48	1.96	1.00	1.516	0.81	16.68	NoLiq	8.34	25.02	0.28
36.90	10.52	1.96	1.00	1.517	0.81	16.74	NoLiq	8.35	25.08	0.28
36.95	10.56	1.96	1.00	1.519	0.81	16.79	NoLiq	8.36	25.15	0.29
37.00	10.60	1.96	1.00	1.520	0.81	16.85	NoLiq	8.37	25.22	0.29
37.05	10.64	1.96	1.00	1.522	0.81	16.90	NoLiq	8.38	25.28	0.29
37.10	10.68	1.96	1.00	1.523	0.81	16.96	NoLiq	8.39	25.35	0.29
37.15	10.72	1.96	1.00	1.524	0.81	17.01	NoLiq	8.40	25.42	0.29
37.20	10.76	1.96	1.00	1.526	0.81	17.07	NoLiq	8.41	25.48	0.29
37.25	10.80	1.96	1.00	1.527	0.81	17.12	NoLiq	8.42	25.55	0.29
37.30	10.84	1.96	1.00	1.529	0.81	17.18	NoLiq	8.44	25.61	0.29
37.35	10.88	1.96	1.00	1.530	0.81	17.23	NoLiq	8.45	25.68	0.29
37.40	10.92	1.96	1.00	1.532	0.81	17.29	NoLiq	8.46	25.75	0.30
37.45	10.96	1.96	1.00	1.533	0.81	17.34	NoLiq	8.47	25.81	0.30
37.50	11.00	1.96	1.00	1.535	0.81	17.40	NoLiq	8.48	25.88	0.30
37.55	11.04	1.96	1.00	1.536	0.81	17.45	NoLiq	8.49	25.94	0.30
37.60	11.08	1.96	1.00	1.538	0.81	17.51	NoLiq	8.50	26.01	0.30
37.65	11.12	1.96	1.00	1.539	0.81	17.56	NoLiq	8.51	26.08	0.30
37.70	11.16	1.96	1.00	1.541	0.81	17.62	NoLiq	8.52	26.14	0.30
37.75	11.20	1.96	1.00	1.542	0.81	17.67	NoLiq	8.53	26.21	0.30
37.80	11.24	1.96	1.00	1.544	0.80	17.73	NoLiq	8.55	26.27	0.30
37.85	11.28	1.96	1.00	1.545	0.80	17.78	NoLiq	8.56	26.34	0.31
37.90	11.32	1.96	1.00	1.547	0.80	17.84	NoLiq	8.57	26.40	0.31
37.95	11.36	1.96	1.00	1.548	0.80	17.89	NoLiq	8.58	26.47	0.31
38.00	11.40	1.96	1.00	1.550	0.80	17.94	NoLiq	8.59	26.53	0.31

38.05	11.44	1.96	1.00	1.551	0.80	18.00	NoLiq	8.60	26.60	0.31
38.10	11.48	1.96	1.00	1.553	0.80	18.05	NoLiq	8.61	26.66	0.31
38.15	11.52	1.96	1.00	1.554	0.80	18.11	NoLiq	8.62	26.73	0.31
38.20	11.56	1.96	1.00	1.556	0.80	18.16	NoLiq	8.63	26.79	0.32
38.25	11.60	1.96	1.00	1.557	0.80	18.22	NoLiq	8.64	26.86	0.32
38.30	11.64	1.96	1.00	1.559	0.80	18.27	NoLiq	8.65	26.92	0.32
38.35	11.68	1.96	1.00	1.560	0.80	18.32	NoLiq	8.66	26.99	0.32
38.40	11.72	1.96	1.00	1.562	0.80	18.38	NoLiq	8.68	27.05	0.32
38.45	11.76	1.96	1.00	1.563	0.80	18.43	NoLiq	8.69	27.12	0.32
38.50	11.80	1.96	1.00	1.565	0.80	18.49	NoLiq	8.70	27.18	0.32
38.55	11.84	1.96	1.00	1.566	0.80	18.54	NoLiq	8.71	27.25	0.32
38.60	11.88	1.96	1.00	1.568	0.80	18.59	NoLiq	8.72	27.31	0.33
38.65	11.92	1.96	1.00	1.569	0.80	18.65	NoLiq	8.73	27.38	0.33
38.70	11.96	1.96	1.00	1.571	0.80	18.70	NoLiq	8.74	27.44	0.33
38.75	12.00	1.96	1.00	1.572	0.80	18.75	NoLiq	8.75	27.51	0.33
38.80	12.04	1.96	1.00	1.574	0.80	18.81	NoLiq	8.76	27.57	0.33
38.85	12.08	1.96	1.00	1.575	0.80	18.86	NoLiq	8.77	27.63	0.33
38.90	12.12	1.96	1.00	1.577	0.80	18.92	NoLiq	8.78	27.70	0.34
38.95	12.16	1.96	1.00	1.578	0.80	18.97	NoLiq	8.79	27.76	0.34
39.00	12.20	1.96	1.00	1.580	0.80	19.02	NoLiq	8.80	27.83	0.34
39.05	12.24	1.96	1.00	1.581	0.80	19.08	NoLiq	8.82	27.89	0.34
39.10	12.28	1.96	1.00	1.583	0.79	19.13	NoLiq	8.83	27.95	0.34
39.15	12.32	1.96	1.00	1.584	0.79	19.18	NoLiq	8.84	28.02	0.34
39.20	12.36	1.96	1.00	1.586	0.79	19.23	NoLiq	8.85	28.08	0.35
39.25	12.40	1.96	1.00	1.587	0.79	19.29	NoLiq	8.86	28.15	0.35
39.30	12.44	1.96	1.00	1.589	0.79	19.34	NoLiq	8.87	28.21	0.35
39.35	12.48	1.96	1.00	1.590	0.79	19.39	NoLiq	8.88	28.27	0.35
39.40	12.52	1.96	1.00	1.592	0.79	19.45	NoLiq	8.89	28.34	0.35
39.45	12.56	1.96	1.00	1.593	0.79	19.50	NoLiq	8.90	28.40	0.35
39.50	12.60	1.96	1.00	1.595	0.79	19.55	NoLiq	8.91	28.46	0.36
39.55	12.64	1.96	1.00	1.596	0.79	19.61	NoLiq	8.92	28.53	0.36
39.60	12.68	1.96	1.00	1.598	0.79	19.66	NoLiq	8.93	28.59	0.36
39.65	12.72	1.96	1.00	1.599	0.79	19.71	NoLiq	8.94	28.65	0.36
39.70	12.76	1.96	1.00	1.601	0.79	19.76	NoLiq	8.95	28.72	0.36
39.75	12.80	1.96	1.00	1.602	0.79	19.82	NoLiq	8.96	28.78	0.37
39.80	12.84	1.96	1.00	1.604	0.79	19.87	NoLiq	8.97	28.84	0.37
39.85	12.88	1.96	1.00	1.605	0.79	19.92	NoLiq	8.98	28.91	0.37
39.90	12.92	1.96	1.00	1.607	0.79	19.97	NoLiq	8.99	28.97	0.37
39.95	12.96	1.96	1.00	1.608	0.79	20.03	NoLiq	9.01	29.03	0.38
40.00	13.00	1.96	1.00	1.610	0.79	20.08	NoLiq	9.02	29.10	0.38
40.05	13.00	1.96	1.00	1.611	0.79	20.07	NoLiq	9.01	29.08	0.38
40.10	13.00	1.96	1.00	1.613	0.79	20.06	99.10	9.01	29.07	0.38
40.15	13.00	1.96	1.00	1.614	0.79	20.05	98.15	9.01	29.06	0.38
40.20	13.00	1.96	1.00	1.616	0.79	20.04	97.20	9.01	29.05	0.38
40.25	13.00	1.96	1.00	1.617	0.79	20.03	96.25	9.01	29.04	0.38
40.30	13.00	1.96	1.00	1.619	0.79	20.02	95.29	9.00	29.03	0.38
40.35	13.00	1.96	1.00	1.620	0.79	20.01	94.34	9.00	29.02	0.38
40.40	13.00	1.96	1.00	1.622	0.79	20.00	93.39	9.00	29.01	0.38
40.45	13.00	1.96	1.00	1.623	0.78	20.00	92.44	9.00	28.99	0.37
40.50	13.00	1.96	1.00	1.625	0.78	19.99	91.49	9.00	28.98	0.37
40.55	13.00	1.96	1.00	1.626	0.78	19.98	90.53	9.00	28.97	0.37
40.60	13.00	1.96	1.00	1.628	0.78	19.97	89.58	8.99	28.96	0.37
40.65	13.00	1.96	1.00	1.629	0.78	19.96	88.63	8.99	28.95	0.37
40.70	13.00	1.96	1.00	1.631	0.78	19.95	87.68	8.99	28.94	0.37
40.75	13.00	1.96	1.00	1.632	0.78	19.94	86.73	8.99	28.93	0.37
40.80	13.00	1.96	1.00	1.634	0.78	19.93	85.77	8.99	28.92	0.37
40.85	13.00	1.96	1.00	1.635	0.78	19.92	84.82	8.98	28.90	0.37
40.90	13.00	1.96	1.00	1.637	0.78	19.91	83.87	8.98	28.89	0.37
40.95	13.00	1.96	1.00	1.638	0.78	19.90	82.92	8.98	28.88	0.37
41.00	13.00	1.96	1.00	1.640	0.78	19.89	81.97	8.98	28.87	0.37
41.05	13.00	1.96	1.00	1.642	0.78	19.88	81.01	8.98	28.86	0.37
41.10	13.00	1.96	1.00	1.643	0.78	19.87	80.06	8.97	28.85	0.37
41.15	13.00	1.96	1.00	1.645	0.78	19.86	79.11	8.97	28.84	0.37
41.20	13.00	1.96	1.00	1.646	0.78	19.86	78.16	8.97	28.83	0.37
41.25	13.00	1.96	1.00	1.648	0.78	19.85	77.21	8.97	28.81	0.37
41.30	13.00	1.96	1.00	1.649	0.78	19.84	76.25	8.97	28.80	0.37
41.35	13.00	1.96	1.00	1.651	0.78	19.83	75.30	8.97	28.79	0.37
41.40	13.00	1.96	1.00	1.652	0.78	19.82	74.35	8.96	28.78	0.37
41.45	13.00	1.96	1.00	1.654	0.78	19.81	73.40	8.96	28.77	0.37
41.50	13.00	1.96	1.00	1.655	0.78	19.80	72.45	8.96	28.76	0.37
41.55	13.00	1.96	1.00	1.657	0.78	19.79	71.49	8.96	28.75	0.37
41.60	13.00	1.96	1.00	1.659	0.78	19.78	70.54	8.96	28.74	0.37
41.65	13.00	1.96	1.00	1.660	0.78	19.77	69.59	8.95	28.73	0.36

41.70	13.00	1.96	1.00	1.662	0.78	19.76	68.64	8.95	28.71	0.36
41.75	13.00	1.96	1.00	1.663	0.78	19.75	67.69	8.95	28.70	0.36
41.80	13.00	1.96	1.00	1.665	0.78	19.74	66.74	8.95	28.69	0.36
41.85	13.00	1.96	1.00	1.666	0.77	19.73	65.78	8.95	28.68	0.36
41.90	13.00	1.96	1.00	1.668	0.77	19.73	64.83	8.95	28.67	0.36
41.95	13.00	1.96	1.00	1.670	0.77	19.72	63.88	8.94	28.66	0.36
42.00	13.00	1.96	1.00	1.671	0.77	19.71	62.93	8.94	28.65	0.36
42.05	13.00	1.96	1.00	1.673	0.77	19.70	61.98	8.94	28.64	0.36
42.10	13.00	1.96	1.00	1.674	0.77	19.69	61.02	8.94	28.63	0.36
42.15	13.00	1.96	1.00	1.676	0.77	19.68	60.07	8.94	28.61	0.36
42.20	13.00	1.96	1.00	1.677	0.77	19.67	59.12	8.93	28.60	0.36
42.25	13.00	1.96	1.00	1.679	0.77	19.66	58.17	8.93	28.59	0.36
42.30	13.00	1.96	1.00	1.681	0.77	19.65	57.22	8.93	28.58	0.36
42.35	13.00	1.96	1.00	1.682	0.77	19.64	56.26	8.93	28.57	0.36
42.40	13.00	1.96	1.00	1.684	0.77	19.63	55.31	8.93	28.56	0.36
42.45	13.00	1.96	1.00	1.685	0.77	19.62	54.36	8.92	28.55	0.36
42.50	13.00	1.96	1.00	1.687	0.77	19.61	53.41	8.92	28.54	0.36
42.55	13.00	1.96	1.00	1.688	0.77	19.61	52.46	8.92	28.53	0.36
42.60	13.00	1.96	1.00	1.690	0.77	19.60	51.50	8.92	28.52	0.36
42.65	13.00	1.96	1.00	1.692	0.77	19.59	50.55	8.92	28.50	0.36
42.70	13.00	1.96	1.00	1.693	0.77	19.58	49.60	8.92	28.49	0.36
42.75	13.00	1.96	1.00	1.695	0.77	19.57	48.65	8.91	28.48	0.36
42.80	13.00	1.96	1.00	1.696	0.77	19.56	47.70	8.91	28.47	0.36
42.85	13.00	1.96	1.00	1.698	0.77	19.55	46.74	8.91	28.46	0.36
42.90	13.00	1.96	1.00	1.700	0.77	19.54	45.79	8.91	28.45	0.36
42.95	13.00	1.96	1.00	1.701	0.77	19.53	44.84	8.91	28.44	0.36
43.00	13.00	1.96	1.00	1.703	0.77	19.52	43.89	8.90	28.43	0.36
43.05	13.00	1.96	1.00	1.704	0.77	19.51	42.94	8.90	28.42	0.35
43.10	13.00	1.96	1.00	1.706	0.77	19.50	41.98	8.90	28.40	0.35
43.15	13.00	1.96	1.00	1.708	0.77	19.49	41.03	8.90	28.39	0.35
43.20	13.00	1.96	1.00	1.709	0.76	19.49	40.08	8.90	28.38	0.35
43.25	13.00	1.96	1.00	1.711	0.76	19.48	39.13	8.90	28.37	0.35
43.30	13.00	1.96	1.00	1.712	0.76	19.47	38.18	8.89	28.36	0.35
43.35	13.00	1.96	1.00	1.714	0.76	19.46	37.22	8.89	28.35	0.35
43.40	13.00	1.96	1.00	1.716	0.76	19.45	36.27	8.89	28.34	0.35
43.45	13.00	1.96	1.00	1.717	0.76	19.44	35.32	8.89	28.33	0.35
43.50	13.00	1.96	1.00	1.719	0.76	19.43	34.37	8.67	28.10	0.35
43.55	13.00	1.96	1.00	1.720	0.76	19.42	33.42	8.46	27.88	0.34
43.60	13.00	1.96	1.00	1.722	0.76	19.41	32.46	8.25	27.66	0.33
43.65	13.00	1.96	1.00	1.724	0.76	19.40	31.51	8.04	27.44	0.33
43.70	13.00	1.96	1.00	1.725	0.76	19.39	30.56	7.82	27.22	0.32
43.75	13.00	1.96	1.00	1.727	0.76	19.39	29.61	7.61	26.99	0.32
43.80	13.00	1.96	1.00	1.729	0.76	19.38	28.66	7.39	26.77	0.31
43.85	13.00	1.96	1.00	1.730	0.76	19.37	27.70	7.17	26.54	0.31
43.90	13.00	1.96	1.00	1.732	0.76	19.36	26.75	6.94	26.30	0.31
43.95	13.00	1.96	1.00	1.733	0.76	19.35	25.80	6.71	26.06	0.30
44.00	13.00	1.96	1.00	1.735	0.76	19.34	24.85	6.47	25.81	0.30
44.05	13.00	1.96	1.00	1.737	0.76	19.33	23.90	6.23	25.56	0.29
44.10	13.00	1.96	1.00	1.738	0.76	19.32	22.94	5.98	25.30	0.29
44.15	13.00	1.96	1.00	1.740	0.76	19.31	21.99	5.72	25.04	0.28
44.20	13.00	1.96	1.00	1.742	0.76	19.30	21.04	5.45	24.76	0.28
44.25	13.00	1.96	1.00	1.743	0.76	19.29	20.09	5.17	24.47	0.27
44.30	13.00	1.96	1.00	1.745	0.76	19.29	19.14	4.88	24.17	0.27
44.35	13.00	1.96	1.00	1.747	0.76	19.28	18.18	4.57	23.85	0.27
44.40	13.00	1.96	1.00	1.748	0.76	19.27	17.23	4.25	23.52	0.26
44.45	13.00	1.96	1.00	1.750	0.76	19.26	16.28	3.91	23.17	0.26
44.50	13.00	1.96	1.00	1.751	0.76	19.25	15.33	3.55	22.80	0.25
44.55	13.00	1.96	1.00	1.753	0.76	19.24	14.38	3.17	22.41	0.25
44.60	13.00	1.96	1.00	1.755	0.75	19.23	13.42	2.78	22.01	0.24
44.65	13.00	1.96	1.00	1.756	0.75	19.22	12.47	2.37	21.59	0.23
44.70	13.00	1.96	1.00	1.758	0.75	19.21	11.52	1.95	21.16	0.23
44.75	13.00	1.96	1.00	1.760	0.75	19.20	10.57	1.53	20.73	0.22
44.80	13.00	1.96	1.00	1.761	0.75	19.19	9.62	1.13	20.32	0.22
44.85	13.00	1.96	1.00	1.763	0.75	19.19	8.66	0.76	19.95	0.22
44.90	13.00	1.96	1.00	1.765	0.75	19.18	7.71	0.46	19.63	0.21
44.95	13.00	1.96	1.00	1.766	0.75	19.17	6.76	0.24	19.40	0.21
45.00	13.00	1.96	1.00	1.768	0.75	19.16	5.81	0.10	19.26	0.21
45.05	13.39	1.96	1.00	1.770	0.75	19.72	5.80	0.10	19.82	0.21
45.10	13.78	1.96	1.00	1.771	0.75	20.28	5.80	0.10	20.39	0.22
45.15	14.17	1.96	1.00	1.773	0.75	20.85	5.80	0.10	20.95	0.23
45.20	14.56	1.96	1.00	1.775	0.75	21.41	5.80	0.11	21.52	0.23
45.25	14.95	1.96	1.00	1.776	0.75	21.98	5.80	0.11	22.08	0.24
45.30	15.34	1.96	1.00	1.778	0.75	22.54	5.80	0.11	22.65	0.25

45.35	15.73	1.96	1.00	1.780	0.75	23.10	5.80	0.11	23.21	0.26
45.40	16.12	1.96	1.00	1.781	0.75	23.66	5.80	0.11	23.78	0.26
45.45	16.51	1.96	1.00	1.783	0.75	24.22	5.80	0.12	24.34	0.27
45.50	16.90	1.96	1.00	1.785	0.75	24.79	5.80	0.12	24.90	0.28
45.55	17.29	1.96	1.00	1.786	0.75	25.35	5.80	0.12	25.47	0.29
45.60	17.68	1.96	1.00	1.788	0.75	25.91	5.80	0.12	26.03	0.30
45.65	18.07	1.96	1.00	1.790	0.75	26.46	5.80	0.13	26.59	0.31
45.70	18.46	1.96	1.00	1.791	0.75	27.02	5.80	0.13	27.15	0.32
45.75	18.85	1.96	1.00	1.793	0.75	27.58	5.80	0.13	27.71	0.34
45.80	19.24	1.96	1.00	1.795	0.75	28.14	5.80	0.13	28.27	0.35
45.85	19.63	1.96	1.00	1.796	0.75	28.70	5.80	0.13	28.83	0.37
45.90	20.02	1.96	1.00	1.798	0.75	29.25	5.80	0.14	29.39	0.39
45.95	20.41	1.96	1.00	1.800	0.75	29.81	5.80	0.14	29.95	0.45
46.00	20.80	1.96	1.00	1.801	0.75	30.36	5.80	0.14	30.51	0.50
46.05	21.19	1.96	1.00	1.803	0.74	30.92	5.80	0.14	31.06	0.50
46.10	21.58	1.96	1.00	1.805	0.74	31.47	5.80	0.15	31.62	0.50
46.15	21.97	1.96	1.00	1.806	0.74	32.03	5.80	0.15	32.18	0.50
46.20	22.36	1.96	1.00	1.808	0.74	32.58	5.80	0.15	32.73	0.50
46.25	22.75	1.96	1.00	1.810	0.74	33.14	5.80	0.15	33.29	0.50
46.30	23.14	1.96	1.00	1.811	0.74	33.69	5.80	0.15	33.84	0.50
46.35	23.53	1.96	1.00	1.813	0.74	34.24	5.80	0.16	34.40	0.50
46.40	23.92	1.96	1.00	1.815	0.74	34.79	5.80	0.16	34.95	0.50
46.45	24.31	1.96	1.00	1.816	0.74	35.34	5.80	0.16	35.50	0.50
46.50	24.70	1.96	1.00	1.818	0.74	35.89	5.80	0.16	36.06	0.50
46.55	25.09	1.96	1.00	1.820	0.74	36.44	5.80	0.17	36.61	0.50
46.60	25.48	1.96	1.00	1.821	0.74	36.99	5.80	0.17	37.16	0.50
46.65	25.87	1.96	1.00	1.823	0.74	37.54	5.80	0.17	37.71	0.50
46.70	26.26	1.96	1.00	1.825	0.74	38.09	5.80	0.17	38.26	0.50
46.75	26.65	1.96	1.00	1.826	0.74	38.64	5.80	0.17	38.81	0.50
46.80	27.04	1.96	1.00	1.828	0.74	39.19	5.80	0.18	39.36	0.50
46.85	27.43	1.96	1.00	1.830	0.74	39.73	5.80	0.18	39.91	0.50
46.90	27.82	1.96	1.00	1.831	0.74	40.28	5.80	0.18	40.46	0.50
46.95	28.21	1.96	1.00	1.833	0.74	40.83	5.80	0.18	41.01	0.50
47.00	28.60	1.96	1.00	1.835	0.74	41.37	5.80	0.18	41.56	0.50
47.05	28.99	1.96	1.00	1.836	0.74	41.92	5.80	0.19	42.10	0.50
47.10	29.38	1.96	1.00	1.838	0.74	42.46	5.80	0.19	42.65	0.50
47.15	29.77	1.96	1.00	1.840	0.74	43.01	5.80	0.19	43.20	0.50
47.20	30.16	1.96	1.00	1.841	0.74	43.55	5.80	0.19	43.74	0.50
47.25	30.55	1.96	1.00	1.843	0.74	44.09	5.80	0.20	44.29	0.50
47.30	30.94	1.96	1.00	1.845	0.74	44.64	5.80	0.20	44.83	0.50
47.35	31.33	1.96	1.00	1.846	0.74	45.18	5.80	0.20	45.38	0.50
47.40	31.72	1.96	1.00	1.848	0.74	45.72	5.80	0.20	45.92	0.50
47.45	32.11	1.96	1.00	1.850	0.74	46.26	5.80	0.20	46.47	0.50
47.50	32.50	1.96	1.00	1.851	0.73	46.80	5.80	0.21	47.01	0.50
47.55	32.89	1.96	1.00	1.853	0.73	47.34	5.80	0.21	47.55	0.50
47.60	33.28	1.96	1.00	1.855	0.73	47.88	5.80	0.21	48.09	0.50
47.65	33.67	1.96	1.00	1.856	0.73	48.42	5.80	0.21	48.64	0.50
47.70	34.06	1.96	1.00	1.858	0.73	48.96	5.80	0.21	49.18	0.50
47.75	34.45	1.96	1.00	1.860	0.73	49.50	5.80	0.22	49.72	0.50
47.80	34.84	1.96	1.00	1.861	0.73	50.04	5.80	0.22	50.26	0.50
47.85	35.23	1.96	1.00	1.863	0.73	50.58	5.80	0.22	50.80	0.50
47.90	35.62	1.96	1.00	1.865	0.73	51.11	5.80	0.22	51.34	0.50
47.95	36.01	1.96	1.00	1.866	0.73	51.65	5.80	0.23	51.88	0.50
48.00	36.40	1.96	1.00	1.868	0.73	52.19	5.80	0.23	52.41	0.50
48.05	36.79	1.96	1.00	1.869	0.73	52.72	5.80	0.23	52.95	0.50
48.10	37.18	1.96	1.00	1.871	0.73	53.26	5.80	0.23	53.49	0.50
48.15	37.57	1.96	1.00	1.873	0.73	53.79	5.80	0.23	54.03	0.50
48.20	37.96	1.96	1.00	1.874	0.73	54.33	5.80	0.24	54.56	0.50
48.25	38.35	1.96	1.00	1.876	0.73	54.86	5.80	0.24	55.10	0.50
48.30	38.74	1.96	1.00	1.878	0.73	55.39	5.80	0.24	55.63	0.50
48.35	39.13	1.96	1.00	1.879	0.73	55.93	5.80	0.24	56.17	0.50
48.40	39.52	1.96	1.00	1.881	0.73	56.46	5.80	0.24	56.70	0.50
48.45	39.91	1.96	1.00	1.883	0.73	56.99	5.80	0.25	57.24	0.50
48.50	40.30	1.96	1.00	1.884	0.73	57.52	5.80	0.25	57.77	0.50
48.55	40.69	1.96	1.00	1.886	0.73	58.05	5.80	0.25	58.30	0.50
48.60	41.08	1.96	1.00	1.888	0.73	58.58	5.80	0.25	58.84	0.50
48.65	41.47	1.96	1.00	1.889	0.73	59.11	5.80	0.26	59.37	0.50
48.70	41.86	1.96	1.00	1.891	0.73	59.64	5.80	0.26	59.90	0.50
48.75	42.25	1.96	1.00	1.893	0.73	60.17	5.80	0.26	60.43	0.50
48.80	42.64	1.96	1.00	1.894	0.73	60.70	5.80	0.26	60.96	0.50
48.85	43.03	1.96	1.00	1.896	0.73	61.23	5.80	0.26	61.49	0.50
48.90	43.42	1.96	1.00	1.898	0.73	61.76	5.80	0.27	62.02	0.50
48.95	43.81	1.96	1.00	1.899	0.73	62.29	5.80	0.27	62.55	0.50

49.00	44.20	1.96	1.00	1.901	0.73	62.81	5.80	0.27	63.08	0.50
49.05	44.59	1.96	1.00	1.903	0.72	63.34	5.80	0.27	63.61	0.50
49.10	44.98	1.96	1.00	1.904	0.72	63.87	5.80	0.27	64.14	0.50
49.15	45.37	1.96	1.00	1.906	0.72	64.39	5.80	0.28	64.67	0.50
49.20	45.76	1.96	1.00	1.908	0.72	64.92	5.80	0.28	65.19	0.50
49.25	46.15	1.96	1.00	1.909	0.72	65.44	5.80	0.28	65.72	0.50
49.30	46.54	1.96	1.00	1.911	0.72	65.97	5.80	0.28	66.25	0.50
49.35	46.93	1.96	1.00	1.913	0.72	66.49	5.80	0.28	66.77	0.50
49.40	47.32	1.96	1.00	1.914	0.72	67.01	5.80	0.29	67.30	0.50
49.45	47.71	1.96	1.00	1.916	0.72	67.54	5.80	0.29	67.82	0.50
49.50	48.10	1.96	1.00	1.918	0.72	68.06	5.80	0.29	68.35	0.50
49.55	48.49	1.96	1.00	1.919	0.72	68.58	5.80	0.29	68.87	0.50
49.60	48.88	1.96	1.00	1.921	0.72	69.10	5.80	0.29	69.40	0.50
49.65	49.27	1.96	1.00	1.923	0.72	69.62	5.80	0.30	69.92	0.50
49.70	49.66	1.96	1.00	1.924	0.72	70.14	5.80	0.30	70.44	0.50
49.75	50.05	1.96	1.00	1.926	0.72	70.67	5.80	0.30	70.97	0.50
49.80	50.44	1.96	1.00	1.928	0.72	71.19	5.80	0.30	71.49	0.50
49.85	50.83	1.96	1.00	1.929	0.72	71.70	5.80	0.31	72.01	0.50
49.90	51.22	1.96	1.00	1.931	0.72	72.22	5.80	0.31	72.53	0.50
49.95	51.61	1.96	1.00	1.933	0.72	72.74	5.80	0.31	73.05	0.50
50.00	52.00	1.96	1.00	1.934	0.72	73.26	5.80	0.31	73.57	0.50
50.05	52.00	1.96	1.00	1.936	0.72	73.23	5.80	0.31	73.55	0.50
50.10	52.00	1.96	1.00	1.938	0.72	73.20	5.80	0.31	73.51	0.50
50.15	52.00	1.96	1.00	1.939	0.72	73.17	5.80	0.31	73.48	0.50
50.20	52.00	1.96	1.00	1.941	0.72	73.14	5.80	0.31	73.45	0.50
50.25	52.00	1.96	1.00	1.943	0.72	73.11	5.80	0.31	73.42	0.50
50.30	52.00	1.96	1.00	1.944	0.72	73.08	5.80	0.31	73.39	0.50
50.35	52.00	1.96	1.00	1.946	0.72	73.05	5.80	0.31	73.36	0.50
50.40	52.00	1.96	1.00	1.948	0.72	73.01	5.80	0.31	73.32	0.50
50.45	52.00	1.96	1.00	1.949	0.72	72.98	5.80	0.31	73.29	0.50
50.50	52.00	1.96	1.00	1.951	0.72	72.95	5.80	0.31	73.26	0.50
50.55	52.00	1.96	1.00	1.953	0.72	72.92	5.80	0.31	73.23	0.50
50.60	52.00	1.96	1.00	1.954	0.72	72.89	5.80	0.31	73.20	0.50
50.65	52.00	1.96	1.00	1.956	0.72	72.86	5.80	0.31	73.17	0.50
50.70	52.00	1.96	1.00	1.958	0.71	72.83	5.80	0.31	73.14	0.50
50.75	52.00	1.96	1.00	1.959	0.71	72.80	5.80	0.31	73.11	0.50
50.80	52.00	1.96	1.00	1.961	0.71	72.76	5.80	0.31	73.07	0.50
50.85	52.00	1.96	1.00	1.963	0.71	72.73	5.80	0.31	73.04	0.50
50.90	52.00	1.96	1.00	1.964	0.71	72.70	5.80	0.31	73.01	0.50
50.95	52.00	1.96	1.00	1.966	0.71	72.67	5.80	0.31	72.98	0.50
51.00	52.00	1.96	1.00	1.968	0.71	72.64	5.80	0.31	72.95	0.50
51.05	52.00	1.96	1.00	1.970	0.71	72.61	5.80	0.31	72.92	0.50
51.10	52.00	1.96	1.00	1.971	0.71	72.58	5.80	0.31	72.89	0.50
51.15	52.00	1.96	1.00	1.973	0.71	72.55	5.80	0.31	72.86	0.50
51.20	52.00	1.96	1.00	1.975	0.71	72.52	5.80	0.31	72.82	0.50
51.25	52.00	1.96	1.00	1.976	0.71	72.49	5.80	0.31	72.79	0.50
51.30	52.00	1.96	1.00	1.978	0.71	72.45	5.80	0.31	72.76	0.50
51.35	52.00	1.96	1.00	1.980	0.71	72.42	5.80	0.31	72.73	0.50
51.40	52.00	1.96	1.00	1.981	0.71	72.39	5.80	0.31	72.70	0.50
51.45	52.00	1.96	1.00	1.983	0.71	72.36	5.80	0.31	72.67	0.50
51.50	52.00	1.96	1.00	1.985	0.71	72.33	5.80	0.31	72.64	0.50
51.55	52.00	1.96	1.00	1.986	0.71	72.30	5.80	0.31	72.61	0.50
51.60	52.00	1.96	1.00	1.988	0.71	72.27	5.80	0.31	72.58	0.50
51.65	52.00	1.96	1.00	1.990	0.71	72.24	5.80	0.31	72.54	0.50
51.70	52.00	1.96	1.00	1.992	0.71	72.21	5.80	0.31	72.51	0.50
51.75	52.00	1.96	1.00	1.993	0.71	72.18	5.80	0.31	72.48	0.50
51.80	52.00	1.96	1.00	1.995	0.71	72.15	5.80	0.31	72.45	0.50
51.85	52.00	1.96	1.00	1.997	0.71	72.11	5.80	0.31	72.42	0.50
51.90	52.00	1.96	1.00	1.998	0.71	72.08	5.80	0.31	72.39	0.50
51.95	52.00	1.96	1.00	2.000	0.71	72.05	5.80	0.31	72.36	0.50
52.00	52.00	1.96	1.00	2.002	0.71	72.02	5.80	0.31	72.33	0.50
52.05	52.00	1.96	1.00	2.003	0.71	71.99	5.80	0.31	72.30	0.50
52.10	52.00	1.96	1.00	2.005	0.71	71.96	5.80	0.31	72.27	0.50
52.15	52.00	1.96	1.00	2.007	0.71	71.93	5.80	0.31	72.24	0.50
52.20	52.00	1.96	1.00	2.009	0.71	71.90	5.80	0.31	72.21	0.50
52.25	52.00	1.96	1.00	2.010	0.71	71.87	5.80	0.31	72.18	0.50
52.30	52.00	1.96	1.00	2.012	0.70	71.84	5.80	0.31	72.14	0.50
52.35	52.00	1.96	1.00	2.014	0.70	71.81	5.80	0.31	72.11	0.50
52.40	52.00	1.96	1.00	2.015	0.70	71.78	5.80	0.31	72.08	0.50
52.45	52.00	1.96	1.00	2.017	0.70	71.75	5.80	0.31	72.05	0.50
52.50	52.00	1.96	1.00	2.019	0.70	71.72	5.80	0.31	72.02	0.50
52.55	52.00	1.96	1.00	2.021	0.70	71.69	5.80	0.30	71.99	0.50
52.60	52.00	1.96	1.00	2.022	0.70	71.66	5.80	0.30	71.96	0.50

52.65	52.00	1.96	1.00	2.024	0.70	71.63	5.80	0.30	71.93	0.50
52.70	52.00	1.96	1.00	2.026	0.70	71.60	5.80	0.30	71.90	0.50
52.75	52.00	1.96	1.00	2.027	0.70	71.56	5.80	0.30	71.87	0.50
52.80	52.00	1.96	1.00	2.029	0.70	71.53	5.80	0.30	71.84	0.50
52.85	52.00	1.96	1.00	2.031	0.70	71.50	5.80	0.30	71.81	0.50
52.90	52.00	1.96	1.00	2.033	0.70	71.47	5.80	0.30	71.78	0.50
52.95	52.00	1.96	1.00	2.034	0.70	71.44	5.80	0.30	71.75	0.50
53.00	52.00	1.96	1.00	2.036	0.70	71.41	5.80	0.30	71.72	0.50
53.05	52.00	1.96	1.00	2.038	0.70	71.38	5.80	0.30	71.69	0.50
53.10	52.00	1.96	1.00	2.039	0.70	71.35	5.80	0.30	71.66	0.50
53.15	52.00	1.96	1.00	2.041	0.70	71.32	5.80	0.30	71.63	0.50
53.20	52.00	1.96	1.00	2.043	0.70	71.29	5.80	0.30	71.60	0.50
53.25	52.00	1.96	1.00	2.045	0.70	71.26	5.80	0.30	71.57	0.50
53.30	52.00	1.96	1.00	2.046	0.70	71.23	5.80	0.30	71.53	0.50
53.35	52.00	1.96	1.00	2.048	0.70	71.20	5.80	0.30	71.50	0.50
53.40	52.00	1.96	1.00	2.050	0.70	71.17	5.80	0.30	71.47	0.50
53.45	52.00	1.96	1.00	2.052	0.70	71.14	5.80	0.30	71.44	0.50
53.50	52.00	1.96	1.00	2.053	0.70	71.11	5.80	0.30	71.41	0.50
53.55	52.00	1.96	1.00	2.055	0.70	71.08	5.80	0.30	71.38	0.50
53.60	52.00	1.96	1.00	2.057	0.70	71.05	5.80	0.30	71.35	0.50
53.65	52.00	1.96	1.00	2.059	0.70	71.02	5.80	0.30	71.32	0.50
53.70	52.00	1.96	1.00	2.060	0.70	70.99	5.80	0.30	71.29	0.50
53.75	52.00	1.96	1.00	2.062	0.70	70.96	5.80	0.30	71.26	0.50
53.80	52.00	1.96	1.00	2.064	0.70	70.93	5.80	0.30	71.23	0.50
53.85	52.00	1.96	1.00	2.066	0.70	70.90	5.80	0.30	71.20	0.50
53.90	52.00	1.96	1.00	2.067	0.70	70.87	5.80	0.30	71.17	0.50
53.95	52.00	1.96	1.00	2.069	0.70	70.84	5.80	0.30	71.14	0.50
54.00	52.00	1.96	1.00	2.071	0.69	70.81	5.80	0.30	71.11	0.50
54.05	52.00	1.96	1.00	2.073	0.69	70.78	5.80	0.30	71.08	0.50
54.10	52.00	1.96	1.00	2.074	0.69	70.75	5.80	0.30	71.05	0.50
54.15	52.00	1.96	1.00	2.076	0.69	70.72	5.80	0.30	71.02	0.50
54.20	52.00	1.96	1.00	2.078	0.69	70.69	5.80	0.30	70.99	0.50
54.25	52.00	1.96	1.00	2.080	0.69	70.66	5.80	0.30	70.96	0.50
54.30	52.00	1.96	1.00	2.081	0.69	70.63	5.80	0.30	70.93	0.50
54.35	52.00	1.96	1.00	2.083	0.69	70.60	5.80	0.30	70.90	0.50
54.40	52.00	1.96	1.00	2.085	0.69	70.57	5.80	0.30	70.87	0.50
54.45	52.00	1.96	1.00	2.087	0.69	70.54	5.80	0.30	70.84	0.50
54.50	52.00	1.96	1.00	2.088	0.69	70.51	5.80	0.30	70.81	0.50
54.55	52.00	1.96	1.00	2.090	0.69	70.48	5.80	0.30	70.78	0.50
54.60	52.00	1.96	1.00	2.092	0.69	70.45	5.80	0.30	70.75	0.50
54.65	52.00	1.96	1.00	2.094	0.69	70.42	5.80	0.30	70.72	0.50
54.70	52.00	1.96	1.00	2.095	0.69	70.39	5.80	0.30	70.69	0.50
54.75	52.00	1.96	1.00	2.097	0.69	70.37	5.80	0.30	70.67	0.50
54.80	52.00	1.96	1.00	2.099	0.69	70.34	5.80	0.30	70.64	0.50
54.85	52.00	1.96	1.00	2.101	0.69	70.31	5.80	0.30	70.61	0.50
54.90	52.00	1.96	1.00	2.102	0.69	70.28	5.80	0.30	70.58	0.50
54.95	52.00	1.96	1.00	2.104	0.69	70.25	5.80	0.30	70.55	0.50
55.00	52.00	1.96	1.00	2.106	0.69	70.22	5.80	0.30	70.52	0.50

CRR is based on water table at 17.00 during In-Situ Testing

Factor of Safety, - Earthquake Magnitude= 6.77:

Depth ft	sigC' atm	CRR7.5	x Ksig	=CRRv	x MSF	=CRRm	CSRfs	F.S.=CRRm/CSRfs
10.00	0.37	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.05	0.37	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.10	0.38	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.15	0.38	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.20	0.38	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.25	0.38	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.30	0.38	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.35	0.38	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.40	0.39	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.45	0.39	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.50	0.39	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.55	0.39	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.60	0.39	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.65	0.40	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.70	0.40	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.75	0.40	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.80	0.40	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *
10.85	0.40	0.50	1.00	0.50	1.30	0.65	1.02	0.64 *

10.90	0.41	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
10.95	0.41	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.00	0.41	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.05	0.41	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.10	0.41	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.15	0.41	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.20	0.42	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.25	0.42	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.30	0.42	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.35	0.42	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.40	0.42	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.45	0.43	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.50	0.43	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.55	0.43	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.60	0.43	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.65	0.43	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.70	0.44	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.75	0.44	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.80	0.44	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.85	0.44	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.90	0.44	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
11.95	0.44	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.00	0.45	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.05	0.45	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.10	0.45	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.15	0.45	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.20	0.45	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.25	0.46	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.30	0.46	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.35	0.46	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.40	0.46	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.45	0.46	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.50	0.46	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.55	0.47	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.60	0.47	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.65	0.47	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.70	0.47	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.75	0.47	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.80	0.48	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.85	0.48	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.90	0.48	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
12.95	0.48	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.00	0.48	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.05	0.49	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.10	0.49	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.15	0.49	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.20	0.49	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.25	0.49	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.30	0.49	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.35	0.50	0.50	1.00	0.50	1.30	0.65	1.01	0.64 *
13.40	0.50	0.49	1.00	0.49	1.30	0.63	1.01	0.63 *
13.45	0.50	0.47	1.00	0.47	1.30	0.61	1.01	0.61 *
13.50	0.50	0.46	1.00	0.46	1.30	0.60	1.01	0.59 *
13.55	0.50	0.45	1.00	0.45	1.30	0.59	1.01	0.58 *
13.60	0.51	0.44	1.00	0.44	1.30	0.57	1.01	0.57 *
13.65	0.51	0.44	1.00	0.44	1.30	0.57	1.01	0.56 *
13.70	0.51	0.43	1.00	0.43	1.30	0.56	1.01	0.55 *
13.75	0.51	0.42	1.00	0.42	1.30	0.55	1.01	0.55 *
13.80	0.51	0.42	1.00	0.42	1.30	0.54	1.01	0.54 *
13.85	0.52	0.41	1.00	0.41	1.30	0.54	1.01	0.54 *
13.90	0.52	0.41	1.00	0.41	1.30	0.53	1.01	0.53 *
13.95	0.52	0.41	1.00	0.41	1.30	0.53	1.01	0.53 *
14.00	0.52	0.40	1.00	0.40	1.30	0.52	1.01	0.52 *
14.05	0.52	0.40	1.00	0.40	1.30	0.52	1.01	0.52 *
14.10	0.53	0.40	1.00	0.40	1.30	0.52	1.01	0.51 *
14.15	0.53	0.40	1.00	0.40	1.30	0.51	1.01	0.51 *
14.20	0.53	0.39	1.00	0.39	1.30	0.51	1.00	0.51 *
14.25	0.53	0.39	1.00	0.39	1.30	0.51	1.00	0.50 *
14.30	0.53	0.39	1.00	0.39	1.30	0.50	1.00	0.50 *
14.35	0.53	0.39	1.00	0.39	1.30	0.50	1.00	0.50 *
14.40	0.54	0.38	1.00	0.38	1.30	0.50	1.00	0.50 *
14.45	0.54	0.38	1.00	0.38	1.30	0.50	1.00	0.49 *
14.50	0.54	0.38	1.00	0.38	1.30	0.49	1.00	0.49 *

14.55	0.54	0.38	1.00	0.38	1.30	0.49	1.00	0.49 *
14.60	0.54	0.38	1.00	0.38	1.30	0.49	1.00	0.49 *
14.65	0.55	0.37	1.00	0.37	1.30	0.49	1.00	0.49 *
14.70	0.55	0.37	1.00	0.37	1.30	0.48	1.00	0.48 *
14.75	0.55	0.37	1.00	0.37	1.30	0.48	1.00	0.48 *
14.80	0.55	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
14.85	0.55	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
14.90	0.56	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
14.95	0.56	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
15.00	0.56	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
15.05	0.56	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
15.10	0.56	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
15.15	0.56	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
15.20	0.57	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
15.25	0.57	0.50	1.00	0.50	1.30	0.65	1.00	0.65 *
15.30	0.57	0.48	1.00	0.48	1.30	0.63	1.00	0.63 *
15.35	0.57	0.43	1.00	0.43	1.30	0.56	1.00	0.56 *
15.40	0.57	0.41	1.00	0.41	1.30	0.53	1.00	0.53 *
15.45	0.58	0.39	1.00	0.39	1.30	0.51	1.00	0.51 *
15.50	0.58	0.38	1.00	0.38	1.30	0.50	1.00	0.50 *
15.55	0.58	0.37	1.00	0.37	1.30	0.48	1.00	0.48 *
15.60	0.58	0.36	1.00	0.36	1.30	0.47	1.00	0.47 *
15.65	0.58	0.36	1.00	0.36	1.30	0.46	1.00	0.46 *
15.70	0.59	0.35	1.00	0.35	1.30	0.45	1.00	0.45 *
15.75	0.59	0.34	1.00	0.34	1.30	0.45	1.00	0.45 *
15.80	0.59	0.34	1.00	0.34	1.30	0.44	1.00	0.44 *
15.85	0.59	0.33	1.00	0.33	1.30	0.43	1.00	0.43 *
15.90	0.59	0.33	1.00	0.33	1.30	0.43	1.00	0.43 *
15.95	0.59	0.32	1.00	0.32	1.30	0.42	1.00	0.42 *
16.00	0.60	0.32	1.00	0.32	1.30	0.41	1.00	0.41 *
16.05	0.60	0.31	1.00	0.31	1.30	0.41	1.00	0.41 *
16.10	0.60	0.31	1.00	0.31	1.30	0.40	1.00	0.40 *
16.15	0.60	0.30	1.00	0.30	1.30	0.40	1.00	0.40 *
16.20	0.60	0.30	1.00	0.30	1.30	0.39	1.00	0.39 *
16.25	0.61	0.30	1.00	0.30	1.30	0.39	1.00	0.39 *
16.30	0.61	0.29	1.00	0.29	1.30	0.38	1.00	0.38 *
16.35	0.61	0.29	1.00	0.29	1.30	0.38	1.00	0.38 *
16.40	0.61	0.29	1.00	0.29	1.30	0.37	1.00	0.37 *
16.45	0.61	0.28	1.00	0.28	1.30	0.37	1.00	0.37 *
16.50	0.62	0.28	1.00	0.28	1.30	0.36	1.00	0.36 *
16.55	0.62	0.28	1.00	0.28	1.30	0.36	1.00	0.36 *
16.60	0.62	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
16.65	0.62	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
16.70	0.62	0.27	1.00	0.27	1.30	0.35	1.00	0.35 *
16.75	0.62	0.26	1.00	0.26	1.30	0.34	1.00	0.34 *
16.80	0.63	0.26	1.00	0.26	1.30	0.34	1.00	0.34 *
16.85	0.63	0.26	1.00	0.26	1.30	0.33	1.00	0.33 *
16.90	0.63	0.25	1.00	0.25	1.30	0.33	1.00	0.33 *
16.95	0.63	0.25	1.00	0.25	1.30	0.33	1.00	0.33 *
17.00	0.63	0.25	1.00	0.25	1.30	0.32	1.00	0.32 *
17.05	0.63	0.25	1.00	0.25	1.30	0.32	1.00	0.32 *
17.10	0.64	0.24	1.00	0.24	1.30	0.32	1.00	0.32 *
17.15	0.64	0.24	1.00	0.24	1.30	0.31	1.00	0.31 *
17.20	0.64	0.24	1.00	0.24	1.30	0.31	1.00	0.31 *
17.25	0.64	0.24	1.00	0.24	1.30	0.31	1.00	0.31 *
17.30	0.64	0.23	1.00	0.23	1.30	0.30	1.00	0.30 *
17.35	0.64	0.23	1.00	0.23	1.30	0.30	1.00	0.30 *
17.40	0.64	0.23	1.00	0.23	1.30	0.30	1.00	0.30 *
17.45	0.64	0.23	1.00	0.23	1.30	0.29	1.00	0.30 *
17.50	0.64	0.22	1.00	0.22	1.30	0.29	1.00	0.29 *
17.55	0.64	0.22	1.00	0.22	1.30	0.29	1.00	0.29 *
17.60	0.64	0.22	1.00	0.22	1.30	0.29	1.00	0.29 *
17.65	0.65	0.22	1.00	0.22	1.30	0.28	1.00	0.28 *
17.70	0.65	0.22	1.00	0.22	1.30	0.28	1.00	0.28 *
17.75	0.65	0.21	1.00	0.21	1.30	0.28	1.00	0.28 *
17.80	0.65	0.21	1.00	0.21	1.30	0.27	0.99	0.28 *
17.85	0.65	0.21	1.00	0.21	1.30	0.27	0.99	0.27 *
17.90	0.65	0.21	1.00	0.21	1.30	0.27	0.99	0.27 *
17.95	0.65	0.21	1.00	0.21	1.30	0.27	0.99	0.27 *
18.00	0.65	0.20	1.00	0.20	1.30	0.26	0.99	0.27 *
18.05	0.65	0.20	1.00	0.20	1.30	0.26	0.99	0.26 *
18.10	0.65	0.20	1.00	0.20	1.30	0.26	0.99	0.26 *
18.15	0.65	0.20	1.00	0.20	1.30	0.26	0.99	0.26 *

18.20	0.66	0.20	1.00	0.20	1.30	0.25	0.99	0.25 *
18.25	0.66	0.19	1.00	0.19	1.30	0.25	0.99	0.25 *
18.30	0.66	0.19	1.00	0.19	1.30	0.25	0.99	0.25 *
18.35	0.66	0.19	1.00	0.19	1.30	0.25	0.99	0.25 *
18.40	0.66	0.19	1.00	0.19	1.30	0.24	0.99	0.24 *
18.45	0.66	0.19	1.00	0.19	1.30	0.24	0.99	0.24 *
18.50	0.66	0.18	1.00	0.18	1.30	0.24	0.99	0.24 *
18.55	0.66	0.18	1.00	0.18	1.30	0.24	0.99	0.24 *
18.60	0.66	0.18	1.00	0.18	1.30	0.23	0.99	0.23 *
18.65	0.66	0.18	1.00	0.18	1.30	0.23	0.99	0.23 *
18.70	0.66	0.18	1.00	0.18	1.30	0.23	0.99	0.23 *
18.75	0.67	0.17	1.00	0.17	1.30	0.23	0.99	0.23 *
18.80	0.67	0.17	1.00	0.17	1.30	0.22	0.99	0.22 *
18.85	0.67	0.17	1.00	0.17	1.30	0.22	0.99	0.22 *
18.90	0.67	0.17	1.00	0.17	1.30	0.22	0.99	0.22 *
18.95	0.67	0.17	1.00	0.17	1.30	0.22	0.99	0.22 *
19.00	0.67	0.16	1.00	0.16	1.30	0.21	0.99	0.21 *
19.05	0.67	0.16	1.00	0.16	1.30	0.21	0.99	0.21 *
19.10	0.67	0.16	1.00	0.16	1.30	0.21	0.99	0.21 *
19.15	0.67	0.16	1.00	0.16	1.30	0.20	0.99	0.21 *
19.20	0.67	0.16	1.00	0.16	1.30	0.20	0.99	0.20 *
19.25	0.67	0.15	1.00	0.15	1.30	0.20	0.99	0.20 *
19.30	0.67	0.15	1.00	0.15	1.30	0.20	0.99	0.20 *
19.35	0.68	0.15	1.00	0.15	1.30	0.19	0.99	0.20 *
19.40	0.68	0.15	1.00	0.15	1.30	0.19	0.99	0.19 *
19.45	0.68	0.15	1.00	0.15	1.30	0.19	0.99	0.19 *
19.50	0.68	0.14	1.00	0.14	1.30	0.19	0.99	0.19 *
19.55	0.68	0.14	1.00	0.14	1.30	0.18	0.99	0.19 *
19.60	0.68	0.14	1.00	0.14	1.30	0.18	0.99	0.18 *
19.65	0.68	0.14	1.00	0.14	1.30	0.18	0.99	0.18 *
19.70	0.68	0.14	1.00	0.14	1.30	0.18	0.99	0.18 *
19.75	0.68	0.13	1.00	0.13	1.30	0.17	0.99	0.18 *
19.80	0.68	0.13	1.00	0.13	1.30	0.17	0.99	0.17 *
19.85	0.68	0.13	1.00	0.13	1.30	0.17	0.99	0.17 *
19.90	0.69	0.13	1.00	0.13	1.30	0.17	0.99	0.17 *
19.95	0.69	0.13	1.00	0.13	1.30	0.16	0.99	0.17 *
20.00	0.69	0.12	1.00	0.12	1.30	0.16	0.99	0.16 *
20.05	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.10	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.15	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.20	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.25	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.30	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.35	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.40	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.45	0.69	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.50	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.55	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.60	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.65	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.70	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.75	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.80	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.85	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.90	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
20.95	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.00	0.70	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.05	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.10	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.15	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.20	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.25	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.30	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.35	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.40	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.45	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.50	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.55	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.60	0.71	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.65	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.70	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.75	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.80	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^

21.85	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.90	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
21.95	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.00	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.05	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.10	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.15	0.72	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.20	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.25	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.30	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.35	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.40	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.45	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.50	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.55	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.60	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.65	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.70	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.75	0.73	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.80	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.85	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.90	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
22.95	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.00	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.05	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.10	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.15	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.20	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.25	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.30	0.74	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.35	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.40	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.45	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.50	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.55	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.60	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.65	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.70	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.75	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.80	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.85	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.90	0.75	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
23.95	0.76	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
24.00	0.76	0.12	1.00	0.12	1.30	2.00	0.99	5.00 ^
24.05	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.10	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.15	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.20	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.25	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.30	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.35	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.40	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.45	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.50	0.76	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.55	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.60	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.65	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.70	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.75	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.80	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.85	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.90	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
24.95	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
25.00	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
25.05	0.77	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
25.10	0.78	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
25.15	0.78	0.12	1.00	0.12	1.30	2.00	0.98	5.00 ^
25.20	0.78	0.13	1.00	0.13	1.30	2.00	0.98	5.00 ^
25.25	0.78	0.13	1.00	0.13	1.30	2.00	0.98	5.00 ^
25.30	0.78	0.13	1.00	0.13	1.30	2.00	0.98	5.00 ^
25.35	0.78	0.13	1.00	0.13	1.30	2.00	0.98	5.00 ^
25.40	0.78	0.13	1.00	0.13	1.30	2.00	0.98	5.00 ^
25.45	0.78	0.13	1.00	0.13	1.30	2.00	0.98	5.00 ^

25.50	0.78	0.13	1.00	0.13	1.30	2.00	0.98	5.00 ^
25.55	0.78	0.13	1.00	0.13	1.30	2.00	0.98	5.00 ^
25.60	0.78	0.14	1.00	0.14	1.30	2.00	0.98	5.00 ^
25.65	0.78	0.14	1.00	0.14	1.30	2.00	0.98	5.00 ^
25.70	0.79	0.14	1.00	0.14	1.30	2.00	0.98	5.00 ^
25.75	0.79	0.14	1.00	0.14	1.30	2.00	0.98	5.00 ^
25.80	0.79	0.14	1.00	0.14	1.30	2.00	0.98	5.00 ^
25.85	0.79	0.14	1.00	0.14	1.30	2.00	0.98	5.00 ^
25.90	0.79	0.14	1.00	0.14	1.30	2.00	0.98	5.00 ^
25.95	0.79	0.14	1.00	0.14	1.30	2.00	0.98	5.00 ^
26.00	0.79	0.15	1.00	0.15	1.30	2.00	0.98	5.00 ^
26.05	0.79	0.15	1.00	0.15	1.30	2.00	0.98	5.00 ^
26.10	0.79	0.15	1.00	0.15	1.30	2.00	0.98	5.00 ^
26.15	0.79	0.15	1.00	0.15	1.30	2.00	0.98	5.00 ^
26.20	0.79	0.15	1.00	0.15	1.30	2.00	0.98	5.00 ^
26.25	0.80	0.15	1.00	0.15	1.30	2.00	0.98	5.00 ^
26.30	0.80	0.15	1.00	0.15	1.30	2.00	0.98	5.00 ^
26.35	0.80	0.15	1.00	0.15	1.30	2.00	0.98	5.00 ^
26.40	0.80	0.16	1.00	0.16	1.30	2.00	0.98	5.00 ^
26.45	0.80	0.16	1.00	0.16	1.30	2.00	0.98	5.00 ^
26.50	0.80	0.16	1.00	0.16	1.30	2.00	0.98	5.00 ^
26.55	0.80	0.16	1.00	0.16	1.30	2.00	0.98	5.00 ^
26.60	0.80	0.16	1.00	0.16	1.30	2.00	0.98	5.00 ^
26.65	0.80	0.16	1.00	0.16	1.30	2.00	0.98	5.00 ^
26.70	0.80	0.16	1.00	0.16	1.30	2.00	0.98	5.00 ^
26.75	0.80	0.16	1.00	0.16	1.30	2.00	0.98	5.00 ^
26.80	0.80	0.17	1.00	0.17	1.30	2.00	0.98	5.00 ^
26.85	0.81	0.17	1.00	0.17	1.30	2.00	0.98	5.00 ^
26.90	0.81	0.17	1.00	0.17	1.30	2.00	0.98	5.00 ^
26.95	0.81	0.17	1.00	0.17	1.30	2.00	0.98	5.00 ^
27.00	0.81	0.17	1.00	0.17	1.30	2.00	0.98	5.00 ^
27.05	0.81	0.17	1.00	0.17	1.30	2.00	0.98	5.00 ^
27.10	0.81	0.17	1.00	0.17	1.30	2.00	0.98	5.00 ^
27.15	0.81	0.17	1.00	0.17	1.30	2.00	0.98	5.00 ^
27.20	0.81	0.18	1.00	0.18	1.30	2.00	0.98	5.00 ^
27.25	0.81	0.18	1.00	0.18	1.30	2.00	0.98	5.00 ^
27.30	0.81	0.18	1.00	0.18	1.30	2.00	0.98	5.00 ^
27.35	0.81	0.18	1.00	0.18	1.30	2.00	0.98	5.00 ^
27.40	0.82	0.18	1.00	0.18	1.30	2.00	0.98	5.00 ^
27.45	0.82	0.18	1.00	0.18	1.30	2.00	0.98	5.00 ^
27.50	0.82	0.18	1.00	0.18	1.30	2.00	0.98	5.00 ^
27.55	0.82	0.18	1.00	0.18	1.30	2.00	0.98	5.00 ^
27.60	0.82	0.19	1.00	0.19	1.30	2.00	0.98	5.00 ^
27.65	0.82	0.19	1.00	0.19	1.30	2.00	0.98	5.00 ^
27.70	0.82	0.19	1.00	0.19	1.30	2.00	0.98	5.00 ^
27.75	0.82	0.19	1.00	0.19	1.30	2.00	0.98	5.00 ^
27.80	0.82	0.19	1.00	0.19	1.30	2.00	0.98	5.00 ^
27.85	0.82	0.19	1.00	0.19	1.30	2.00	0.98	5.00 ^
27.90	0.82	0.20	1.00	0.20	1.30	2.00	0.98	5.00 ^
27.95	0.82	0.20	1.00	0.20	1.30	2.00	0.98	5.00 ^
28.00	0.83	0.20	1.00	0.20	1.30	2.00	0.98	5.00 ^
28.05	0.83	0.20	1.00	0.20	1.30	2.00	0.98	5.00 ^
28.10	0.83	0.21	1.00	0.21	1.30	2.00	0.98	5.00 ^
28.15	0.83	0.21	1.00	0.21	1.30	2.00	0.98	5.00 ^
28.20	0.83	0.21	1.00	0.21	1.30	2.00	0.98	5.00 ^
28.25	0.83	0.21	1.00	0.21	1.30	2.00	0.98	5.00 ^
28.30	0.83	0.21	1.00	0.21	1.30	2.00	0.98	5.00 ^
28.35	0.83	0.21	1.00	0.21	1.30	2.00	0.98	5.00 ^
28.40	0.83	0.21	1.00	0.21	1.30	2.00	0.98	5.00 ^
28.45	0.83	0.21	1.00	0.21	1.30	2.00	0.98	5.00 ^
28.50	0.83	0.22	1.00	0.22	1.30	2.00	0.98	5.00 ^
28.55	0.84	0.22	1.00	0.22	1.30	2.00	0.98	5.00 ^
28.60	0.84	0.22	1.00	0.22	1.30	2.00	0.98	5.00 ^
28.65	0.84	0.22	1.00	0.22	1.30	2.00	0.98	5.00 ^
28.70	0.84	0.22	1.00	0.22	1.30	2.00	0.98	5.00 ^
28.75	0.84	0.22	1.00	0.22	1.30	2.00	0.98	5.00 ^
28.80	0.84	0.22	1.00	0.22	1.30	2.00	0.98	5.00 ^
28.85	0.84	0.23	1.00	0.23	1.30	2.00	0.98	5.00 ^
28.90	0.84	0.23	1.00	0.23	1.30	2.00	0.98	5.00 ^
28.95	0.84	0.23	1.00	0.23	1.30	2.00	0.98	5.00 ^
29.00	0.84	0.23	1.00	0.23	1.30	2.00	0.98	5.00 ^
29.05	0.84	0.23	1.00	0.23	1.30	2.00	0.98	5.00 ^
29.10	0.84	0.23	1.00	0.23	1.30	2.00	0.98	5.00 ^

29.15	0.85	0.23	1.00	0.23	1.30	2.00	0.98	5.00 ^
29.20	0.85	0.23	1.00	0.23	1.30	2.00	0.98	5.00 ^
29.25	0.85	0.24	1.00	0.24	1.30	2.00	0.98	5.00 ^
29.30	0.85	0.24	1.00	0.24	1.30	2.00	0.98	5.00 ^
29.35	0.85	0.24	1.00	0.24	1.30	2.00	0.98	5.00 ^
29.40	0.85	0.24	1.00	0.24	1.30	2.00	0.98	5.00 ^
29.45	0.85	0.24	1.00	0.24	1.30	2.00	0.98	5.00 ^
29.50	0.85	0.24	1.00	0.24	1.30	2.00	0.98	5.00 ^
29.55	0.85	0.24	1.00	0.24	1.30	2.00	0.98	5.00 ^
29.60	0.85	0.25	1.00	0.25	1.30	2.00	0.97	5.00 ^
29.65	0.85	0.25	1.00	0.25	1.30	2.00	0.97	5.00 ^
29.70	0.85	0.25	1.00	0.25	1.30	2.00	0.97	5.00 ^
29.75	0.86	0.25	1.00	0.25	1.30	2.00	0.97	5.00 ^
29.80	0.86	0.25	1.00	0.25	1.30	2.00	0.97	5.00 ^
29.85	0.86	0.25	1.00	0.25	1.30	2.00	0.97	5.00 ^
29.90	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
29.95	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.00	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.05	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.10	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.15	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.20	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.25	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.30	0.86	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.35	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.40	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.45	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.50	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.55	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.60	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.65	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.70	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.75	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.80	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.85	0.87	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.90	0.88	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
30.95	0.88	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
31.00	0.88	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
31.05	0.88	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
31.10	0.88	0.26	1.00	0.26	1.30	2.00	0.97	5.00 ^
31.15	0.88	0.26	1.00	0.26	1.30	2.00	0.96	5.00 ^
31.20	0.88	0.26	1.00	0.26	1.30	2.00	0.96	5.00 ^
31.25	0.88	0.26	1.00	0.26	1.30	2.00	0.96	5.00 ^
31.30	0.88	0.26	1.00	0.26	1.30	2.00	0.96	5.00 ^
31.35	0.88	0.26	1.00	0.26	1.30	2.00	0.96	5.00 ^
31.40	0.88	0.26	1.00	0.26	1.30	2.00	0.96	5.00 ^
31.45	0.88	0.26	1.00	0.26	1.30	2.00	0.96	5.00 ^
31.50	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.55	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.60	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.65	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.70	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.75	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.80	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.85	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.90	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
31.95	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
32.00	0.89	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
32.05	0.90	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
32.10	0.90	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
32.15	0.90	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
32.20	0.90	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
32.25	0.90	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
32.30	0.90	0.25	1.00	0.25	1.30	2.00	0.96	5.00 ^
32.35	0.90	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.40	0.90	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.45	0.90	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.50	0.90	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.55	0.90	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.60	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.65	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.70	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.75	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^

32.80	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.85	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.90	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
32.95	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.00	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.05	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.10	0.91	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.15	0.92	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.20	0.92	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.25	0.92	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.30	0.92	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.35	0.92	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.40	0.92	0.25	1.00	0.25	1.30	2.00	0.95	5.00 ^
33.45	0.92	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.50	0.92	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.55	0.92	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.60	0.92	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.65	0.92	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.70	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.75	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.80	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.85	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.90	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
33.95	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.00	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.05	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.10	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.15	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.20	0.93	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.25	0.94	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.30	0.94	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.35	0.94	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.40	0.94	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.45	0.94	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.50	0.94	0.25	1.00	0.25	1.30	2.00	0.94	5.00 ^
34.55	0.94	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
34.60	0.94	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
34.65	0.94	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
34.70	0.94	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
34.75	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
34.80	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
34.85	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
34.90	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
34.95	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.00	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.05	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.10	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.15	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.20	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.25	0.95	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.30	0.96	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.35	0.96	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.40	0.96	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.45	0.96	0.25	1.00	0.25	1.30	2.00	0.93	5.00 ^
35.50	0.96	0.26	1.00	0.26	1.30	2.00	0.93	5.00 ^
35.55	0.96	0.26	1.00	0.26	1.30	2.00	0.93	5.00 ^
35.60	0.96	0.26	1.00	0.26	1.30	2.00	0.92	5.00 ^
35.65	0.96	0.26	1.00	0.26	1.30	2.00	0.92	5.00 ^
35.70	0.96	0.26	1.00	0.26	1.30	2.00	0.92	5.00 ^
35.75	0.96	0.26	1.00	0.26	1.30	2.00	0.92	5.00 ^
35.80	0.97	0.26	1.00	0.26	1.30	2.00	0.92	5.00 ^
35.85	0.97	0.26	1.00	0.26	1.30	2.00	0.92	5.00 ^
35.90	0.97	0.26	1.00	0.26	1.30	2.00	0.92	5.00 ^
35.95	0.97	0.26	1.00	0.26	1.30	2.00	0.92	5.00 ^
36.00	0.97	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.05	0.97	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.10	0.97	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.15	0.97	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.20	0.97	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.25	0.97	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.30	0.97	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.35	0.98	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.40	0.98	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^

36.45	0.98	0.27	1.00	0.27	1.30	2.00	0.92	5.00 ^
36.50	0.98	0.28	1.00	0.28	1.30	2.00	0.92	5.00 ^
36.55	0.98	0.28	1.00	0.28	1.30	2.00	0.92	5.00 ^
36.60	0.98	0.28	1.00	0.28	1.30	2.00	0.92	5.00 ^
36.65	0.98	0.28	1.00	0.28	1.30	2.00	0.92	5.00 ^
36.70	0.98	0.28	1.00	0.28	1.30	2.00	0.91	5.00 ^
36.75	0.98	0.28	1.00	0.28	1.30	2.00	0.91	5.00 ^
36.80	0.98	0.28	1.00	0.28	1.30	2.00	0.91	5.00 ^
36.85	0.99	0.28	1.00	0.28	1.30	2.00	0.91	5.00 ^
36.90	0.99	0.28	1.00	0.28	1.30	2.00	0.91	5.00 ^
36.95	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.00	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.05	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.10	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.15	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.20	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.25	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.30	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.35	0.99	0.29	1.00	0.29	1.30	2.00	0.91	5.00 ^
37.40	1.00	0.30	1.00	0.30	1.30	2.00	0.91	5.00 ^
37.45	1.00	0.30	1.00	0.30	1.30	2.00	0.91	5.00 ^
37.50	1.00	0.30	1.00	0.30	1.30	2.00	0.91	5.00 ^
37.55	1.00	0.30	1.00	0.30	1.30	2.00	0.91	5.00 ^
37.60	1.00	0.30	1.00	0.30	1.30	2.00	0.91	5.00 ^
37.65	1.00	0.30	1.01	0.30	1.30	2.00	0.91	5.00 ^
37.70	1.00	0.30	1.01	0.30	1.30	2.00	0.91	5.00 ^
37.75	1.00	0.30	1.01	0.31	1.30	2.00	0.90	5.00 ^
37.80	1.00	0.30	1.01	0.31	1.30	2.00	0.90	5.00 ^
37.85	1.00	0.31	1.01	0.31	1.30	2.00	0.90	5.00 ^
37.90	1.01	0.31	1.01	0.31	1.30	2.00	0.90	5.00 ^
37.95	1.01	0.31	1.01	0.31	1.30	2.00	0.90	5.00 ^
38.00	1.01	0.31	1.01	0.31	1.30	2.00	0.90	5.00 ^
38.05	1.01	0.31	1.00	0.31	1.30	2.00	0.90	5.00 ^
38.10	1.01	0.31	1.00	0.31	1.30	2.00	0.90	5.00 ^
38.15	1.01	0.31	1.00	0.32	1.30	2.00	0.90	5.00 ^
38.20	1.01	0.32	1.00	0.32	1.30	2.00	0.90	5.00 ^
38.25	1.01	0.32	1.00	0.32	1.30	2.00	0.90	5.00 ^
38.30	1.01	0.32	1.00	0.32	1.30	2.00	0.90	5.00 ^
38.35	1.01	0.32	1.00	0.32	1.30	2.00	0.90	5.00 ^
38.40	1.02	0.32	1.00	0.32	1.30	2.00	0.90	5.00 ^
38.45	1.02	0.32	1.00	0.32	1.30	2.00	0.90	5.00 ^
38.50	1.02	0.32	1.00	0.32	1.30	2.00	0.90	5.00 ^
38.55	1.02	0.32	1.00	0.33	1.30	2.00	0.90	5.00 ^
38.60	1.02	0.33	1.00	0.33	1.30	2.00	0.90	5.00 ^
38.65	1.02	0.33	1.00	0.33	1.30	2.00	0.90	5.00 ^
38.70	1.02	0.33	1.00	0.33	1.30	2.00	0.90	5.00 ^
38.75	1.02	0.33	1.00	0.33	1.30	2.00	0.90	5.00 ^
38.80	1.02	0.33	1.00	0.33	1.30	2.00	0.89	5.00 ^
38.85	1.02	0.33	1.00	0.33	1.30	2.00	0.89	5.00 ^
38.90	1.02	0.34	1.00	0.34	1.30	2.00	0.89	5.00 ^
38.95	1.03	0.34	1.00	0.34	1.30	2.00	0.89	5.00 ^
39.00	1.03	0.34	1.00	0.34	1.30	2.00	0.89	5.00 ^
39.05	1.03	0.34	1.00	0.34	1.30	2.00	0.89	5.00 ^
39.10	1.03	0.34	1.00	0.34	1.30	2.00	0.89	5.00 ^
39.15	1.03	0.34	1.00	0.34	1.30	2.00	0.89	5.00 ^
39.20	1.03	0.35	1.00	0.35	1.30	2.00	0.89	5.00 ^
39.25	1.03	0.35	1.00	0.35	1.30	2.00	0.89	5.00 ^
39.30	1.03	0.35	1.00	0.35	1.30	2.00	0.89	5.00 ^
39.35	1.03	0.35	1.00	0.35	1.30	2.00	0.89	5.00 ^
39.40	1.03	0.35	1.00	0.35	1.30	2.00	0.89	5.00 ^
39.45	1.04	0.35	1.00	0.35	1.30	2.00	0.89	5.00 ^
39.50	1.04	0.36	1.00	0.36	1.30	2.00	0.89	5.00 ^
39.55	1.04	0.36	1.00	0.36	1.30	2.00	0.89	5.00 ^
39.60	1.04	0.36	1.00	0.36	1.30	2.00	0.89	5.00 ^
39.65	1.04	0.36	1.00	0.36	1.30	2.00	0.89	5.00 ^
39.70	1.04	0.36	1.00	0.36	1.30	2.00	0.89	5.00 ^
39.75	1.04	0.37	1.00	0.37	1.30	2.00	0.89	5.00 ^
39.80	1.04	0.37	1.00	0.37	1.30	2.00	0.89	5.00 ^
39.85	1.04	0.37	1.00	0.37	1.30	2.00	0.88	5.00 ^
39.90	1.04	0.37	1.00	0.37	1.30	2.00	0.88	5.00 ^
39.95	1.05	0.38	1.00	0.38	1.30	2.00	0.88	5.00 ^
40.00	1.05	0.38	1.00	0.38	1.30	2.00	0.88	5.00 ^
40.05	1.05	0.38	1.00	0.38	1.30	0.49	0.88	0.56 *

40.10	1.05	0.38	1.00	0.38	1.30	0.49	0.88	0.56 *
40.15	1.05	0.38	1.00	0.38	1.30	0.49	0.88	0.56 *
40.20	1.05	0.38	1.00	0.38	1.30	0.49	0.88	0.55 *
40.25	1.05	0.38	1.00	0.38	1.30	0.49	0.88	0.55 *
40.30	1.05	0.38	1.00	0.38	1.30	0.49	0.88	0.55 *
40.35	1.05	0.38	1.00	0.37	1.30	0.49	0.88	0.55 *
40.40	1.05	0.38	1.00	0.37	1.30	0.49	0.88	0.55 *
40.45	1.06	0.37	1.00	0.37	1.30	0.49	0.88	0.55 *
40.50	1.06	0.37	1.00	0.37	1.30	0.48	0.88	0.55 *
40.55	1.06	0.37	1.00	0.37	1.30	0.48	0.88	0.55 *
40.60	1.06	0.37	1.00	0.37	1.30	0.48	0.88	0.55 *
40.65	1.06	0.37	1.00	0.37	1.30	0.48	0.88	0.55 *
40.70	1.06	0.37	1.00	0.37	1.30	0.48	0.88	0.55 *
40.75	1.06	0.37	1.00	0.37	1.30	0.48	0.88	0.55 *
40.80	1.06	0.37	1.00	0.37	1.30	0.48	0.88	0.55 *
40.85	1.06	0.37	1.00	0.37	1.30	0.48	0.88	0.55 *
40.90	1.06	0.37	1.00	0.37	1.30	0.48	0.87	0.55 *
40.95	1.07	0.37	1.00	0.37	1.30	0.48	0.87	0.55 *
41.00	1.07	0.37	1.00	0.37	1.30	0.48	0.87	0.55 *
41.05	1.07	0.37	1.00	0.37	1.30	0.48	0.87	0.55 *
41.10	1.07	0.37	1.00	0.37	1.30	0.48	0.87	0.55 *
41.15	1.07	0.37	1.00	0.37	1.30	0.48	0.87	0.55 *
41.20	1.07	0.37	1.00	0.37	1.30	0.48	0.87	0.55 *
41.25	1.07	0.37	0.99	0.37	1.30	0.48	0.87	0.55 *
41.30	1.07	0.37	0.99	0.37	1.30	0.47	0.87	0.55 *
41.35	1.07	0.37	0.99	0.37	1.30	0.47	0.87	0.54 *
41.40	1.07	0.37	0.99	0.36	1.30	0.47	0.87	0.54 *
41.45	1.08	0.37	0.99	0.36	1.30	0.47	0.87	0.54 *
41.50	1.08	0.37	0.99	0.36	1.30	0.47	0.87	0.54 *
41.55	1.08	0.37	0.99	0.36	1.30	0.47	0.87	0.54 *
41.60	1.08	0.37	0.99	0.36	1.30	0.47	0.87	0.54 *
41.65	1.08	0.36	0.99	0.36	1.30	0.47	0.87	0.54 *
41.70	1.08	0.36	0.99	0.36	1.30	0.47	0.87	0.54 *
41.75	1.08	0.36	0.99	0.36	1.30	0.47	0.87	0.54 *
41.80	1.08	0.36	0.99	0.36	1.30	0.47	0.87	0.54 *
41.85	1.08	0.36	0.99	0.36	1.30	0.47	0.87	0.54 *
41.90	1.08	0.36	0.99	0.36	1.30	0.47	0.87	0.54 *
41.95	1.09	0.36	0.99	0.36	1.30	0.47	0.86	0.54 *
42.00	1.09	0.36	0.99	0.36	1.30	0.47	0.86	0.54 *
42.05	1.09	0.36	0.99	0.36	1.30	0.47	0.86	0.54 *
42.10	1.09	0.36	0.99	0.36	1.30	0.47	0.86	0.54 *
42.15	1.09	0.36	0.99	0.36	1.30	0.47	0.86	0.54 *
42.20	1.09	0.36	0.99	0.36	1.30	0.46	0.86	0.54 *
42.25	1.09	0.36	0.99	0.36	1.30	0.46	0.86	0.54 *
42.30	1.09	0.36	0.99	0.36	1.30	0.46	0.86	0.54 *
42.35	1.09	0.36	0.99	0.36	1.30	0.46	0.86	0.54 *
42.40	1.09	0.36	0.99	0.36	1.30	0.46	0.86	0.54 *
42.45	1.10	0.36	0.99	0.36	1.30	0.46	0.86	0.54 *
42.50	1.10	0.36	0.99	0.36	1.30	0.46	0.86	0.54 *
42.55	1.10	0.36	0.99	0.35	1.30	0.46	0.86	0.54 *
42.60	1.10	0.36	0.99	0.35	1.30	0.46	0.86	0.54 *
42.65	1.10	0.36	0.99	0.35	1.30	0.46	0.86	0.54 *
42.70	1.10	0.36	0.99	0.35	1.30	0.46	0.86	0.54 *
42.75	1.10	0.36	0.99	0.35	1.30	0.46	0.86	0.54 *
42.80	1.10	0.36	0.99	0.35	1.30	0.46	0.86	0.54 *
42.85	1.10	0.36	0.99	0.35	1.30	0.46	0.86	0.54 *
42.90	1.10	0.36	0.99	0.35	1.30	0.46	0.86	0.53 *
42.95	1.11	0.36	0.99	0.35	1.30	0.46	0.85	0.53 *
43.00	1.11	0.36	0.99	0.35	1.30	0.46	0.85	0.53 *
43.05	1.11	0.35	0.99	0.35	1.30	0.46	0.85	0.53 *
43.10	1.11	0.35	0.99	0.35	1.30	0.46	0.85	0.53 *
43.15	1.11	0.35	0.99	0.35	1.30	0.45	0.85	0.53 *
43.20	1.11	0.35	0.99	0.35	1.30	0.45	0.85	0.53 *
43.25	1.11	0.35	0.99	0.35	1.30	0.45	0.85	0.53 *
43.30	1.11	0.35	0.99	0.35	1.30	0.45	0.85	0.53 *
43.35	1.11	0.35	0.99	0.35	1.30	0.45	0.85	0.53 *
43.40	1.12	0.35	0.99	0.35	1.30	0.45	0.85	0.53 *
43.45	1.12	0.35	0.99	0.35	1.30	0.45	0.85	0.53 *
43.50	1.12	0.35	0.99	0.34	1.30	0.44	0.85	0.52 *
43.55	1.12	0.34	0.99	0.34	1.30	0.44	0.85	0.51 *
43.60	1.12	0.33	0.99	0.33	1.30	0.43	0.85	0.51 *
43.65	1.12	0.33	0.99	0.33	1.30	0.42	0.85	0.50 *
43.70	1.12	0.32	0.99	0.32	1.30	0.42	0.85	0.49 *

43.75	1.12	0.32	0.99	0.32	1.30	0.41	0.85	0.48 *
43.80	1.12	0.31	0.99	0.31	1.30	0.40	0.85	0.48 *
43.85	1.12	0.31	0.99	0.31	1.30	0.40	0.85	0.47 *
43.90	1.13	0.31	0.99	0.30	1.30	0.39	0.85	0.46 *
43.95	1.13	0.30	0.99	0.30	1.30	0.39	0.84	0.46 *
44.00	1.13	0.30	0.99	0.29	1.30	0.38	0.84	0.45 *
44.05	1.13	0.29	0.99	0.29	1.30	0.37	0.84	0.44 *
44.10	1.13	0.29	0.99	0.28	1.30	0.37	0.84	0.44 *
44.15	1.13	0.28	0.99	0.28	1.30	0.36	0.84	0.43 *
44.20	1.13	0.28	0.99	0.27	1.30	0.36	0.84	0.42 *
44.25	1.13	0.27	0.99	0.27	1.30	0.35	0.84	0.42 *
44.30	1.13	0.27	0.99	0.27	1.30	0.35	0.84	0.41 *
44.35	1.14	0.27	0.99	0.26	1.30	0.34	0.84	0.40 *
44.40	1.14	0.26	0.98	0.26	1.30	0.33	0.84	0.40 *
44.45	1.14	0.26	0.98	0.25	1.30	0.33	0.84	0.39 *
44.50	1.14	0.25	0.98	0.25	1.30	0.32	0.84	0.38 *
44.55	1.14	0.25	0.98	0.24	1.30	0.31	0.84	0.37 *
44.60	1.14	0.24	0.98	0.24	1.30	0.31	0.84	0.37 *
44.65	1.14	0.23	0.98	0.23	1.30	0.30	0.84	0.36 *
44.70	1.14	0.23	0.98	0.23	1.30	0.29	0.84	0.35 *
44.75	1.14	0.22	0.98	0.22	1.30	0.29	0.84	0.34 *
44.80	1.14	0.22	0.98	0.22	1.30	0.28	0.84	0.34 *
44.85	1.15	0.22	0.98	0.21	1.30	0.28	0.84	0.33 *
44.90	1.15	0.21	0.98	0.21	1.30	0.27	0.84	0.32 *
44.95	1.15	0.21	0.98	0.21	1.30	0.27	0.83	0.32 *
45.00	1.15	0.21	0.98	0.20	1.30	0.27	0.83	0.32 *
45.05	1.15	0.21	0.98	0.21	1.30	0.27	0.83	0.33 *
45.10	1.15	0.22	0.98	0.22	1.30	0.28	0.83	0.34 *
45.15	1.15	0.23	0.98	0.22	1.30	0.29	0.83	0.35 *
45.20	1.15	0.23	0.98	0.23	1.30	0.30	0.83	0.36 *
45.25	1.15	0.24	0.98	0.24	1.30	0.31	0.83	0.37 *
45.30	1.16	0.25	0.98	0.24	1.30	0.32	0.83	0.38 *
45.35	1.16	0.26	0.98	0.25	1.30	0.33	0.83	0.39 *
45.40	1.16	0.26	0.98	0.26	1.30	0.34	0.83	0.41 *
45.45	1.16	0.27	0.98	0.27	1.30	0.35	0.83	0.42 *
45.50	1.16	0.28	0.98	0.28	1.30	0.36	0.83	0.43 *
45.55	1.16	0.29	0.98	0.28	1.30	0.37	0.83	0.45 *
45.60	1.16	0.30	0.98	0.29	1.30	0.38	0.83	0.46 *
45.65	1.16	0.31	0.98	0.31	1.30	0.40	0.83	0.48 *
45.70	1.16	0.32	0.98	0.32	1.30	0.41	0.83	0.50 *
45.75	1.17	0.34	0.98	0.33	1.30	0.43	0.83	0.52 *
45.80	1.17	0.35	0.98	0.34	1.30	0.45	0.83	0.54 *
45.85	1.17	0.37	0.98	0.36	1.30	0.47	0.83	0.57 *
45.90	1.17	0.39	0.98	0.39	1.30	0.50	0.83	0.61 *
45.95	1.17	0.45	0.98	0.44	1.30	0.57	0.82	0.69 *
46.00	1.17	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.05	1.17	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.10	1.17	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.15	1.17	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.20	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.25	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.30	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.35	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.40	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.77 *
46.45	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.78 *
46.50	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.78 *
46.55	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.78 *
46.60	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.78 *
46.65	1.18	0.50	0.98	0.49	1.30	0.64	0.82	0.78 *
46.70	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
46.75	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
46.80	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
46.85	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
46.90	1.19	0.50	0.98	0.49	1.30	0.63	0.82	0.78 *
46.95	1.19	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.00	1.19	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.05	1.19	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.10	1.19	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.15	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.20	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.25	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.30	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.35	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *

47.40	1.20	0.50	0.98	0.49	1.30	0.63	0.81	0.78 *
47.45	1.20	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.50	1.20	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.55	1.20	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.60	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.65	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.70	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.75	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.80	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.85	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.78 *
47.90	1.21	0.50	0.97	0.49	1.30	0.63	0.81	0.79 *
47.95	1.21	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.00	1.21	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.05	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.10	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.15	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.20	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.25	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.30	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.35	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.40	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.45	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.50	1.22	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.55	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.60	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.65	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.70	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.75	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.80	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.85	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.90	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
48.95	1.23	0.50	0.97	0.49	1.30	0.63	0.80	0.79 *
49.00	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.79 *
49.05	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.79 *
49.10	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.79 *
49.15	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.79 *
49.20	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.79 *
49.25	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.79 *
49.30	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.35	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.40	1.24	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.45	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.50	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.55	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.60	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.65	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.70	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.75	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.80	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.85	1.25	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.90	1.26	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
49.95	1.26	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
50.00	1.26	0.50	0.97	0.48	1.30	0.63	0.79	0.80 *
50.05	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.10	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.15	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.20	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.25	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.30	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.35	1.26	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.40	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.45	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.50	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.55	1.27	0.50	0.97	0.48	1.30	0.63	0.78	0.80 *
50.60	1.27	0.50	0.96	0.48	1.30	0.63	0.78	0.80 *
50.65	1.27	0.50	0.96	0.48	1.30	0.63	0.78	0.80 *
50.70	1.27	0.50	0.96	0.48	1.30	0.63	0.78	0.81 *
50.75	1.27	0.50	0.96	0.48	1.30	0.63	0.78	0.81 *
50.80	1.27	0.50	0.96	0.48	1.30	0.63	0.78	0.81 *
50.85	1.28	0.50	0.96	0.48	1.30	0.63	0.78	0.81 *
50.90	1.28	0.50	0.96	0.48	1.30	0.63	0.78	0.81 *
50.95	1.28	0.50	0.96	0.48	1.30	0.63	0.78	0.81 *
51.00	1.28	0.50	0.96	0.48	1.30	0.63	0.78	0.81 *

51.05	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.10	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.15	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.20	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.25	1.28	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.30	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.35	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.40	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.45	1.29	0.50	0.96	0.48	1.30	0.63	0.77	0.81 *
51.50	1.29	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.55	1.29	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.60	1.29	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.65	1.29	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.70	1.29	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.75	1.30	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.80	1.30	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.85	1.30	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.90	1.30	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
51.95	1.30	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
52.00	1.30	0.50	0.96	0.48	1.30	0.62	0.77	0.81 *
52.05	1.30	0.50	0.96	0.48	1.30	0.62	0.77	0.82 *
52.10	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.15	1.30	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.20	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.25	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.30	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.35	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.40	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.45	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.50	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.55	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.60	1.31	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.65	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.70	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.75	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.80	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.85	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.90	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
52.95	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
53.00	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
53.05	1.32	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
53.10	1.33	0.50	0.96	0.48	1.30	0.62	0.76	0.82 *
53.15	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.82 *
53.20	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.82 *
53.25	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.82 *
53.30	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.82 *
53.35	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
53.40	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
53.45	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
53.50	1.33	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
53.55	1.34	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
53.60	1.34	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
53.65	1.34	0.50	0.96	0.48	1.30	0.62	0.75	0.83 *
53.70	1.34	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
53.75	1.34	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
53.80	1.34	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
53.85	1.34	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
53.90	1.34	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
53.95	1.34	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
54.00	1.35	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
54.05	1.35	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
54.10	1.35	0.50	0.95	0.48	1.30	0.62	0.75	0.83 *
54.15	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.20	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.25	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.30	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.35	1.35	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.40	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.45	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.50	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.55	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.83 *
54.60	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
54.65	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *

54.70	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
54.75	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
54.80	1.36	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
54.85	1.37	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
54.90	1.37	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
54.95	1.37	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *
55.00	1.37	0.50	0.95	0.48	1.30	0.62	0.74	0.84 *

* F.S.<1: Liquefaction Potential Zone. (If above water table: F.S.=5)
^ No-liquefiable Soils or above Water Table.
(F.S. is limited to 5, CRR is limited to 2, CSR is limited to 2)

CPT convert to SPT for Settlement Analysis:
Fines Correction for Settlement Analysis:

Depth ft	Ic	qc/N60	qc1 atm	(N1)60	Fines %	d(N1)60	(N1)60s
10.00	-	-	-	34.08	68.60	0.00	34.08
10.05	-	-	-	34.00	68.60	0.00	34.00
10.10	-	-	-	33.93	68.60	0.00	33.93
10.15	-	-	-	33.86	68.60	0.00	33.86
10.20	-	-	-	33.79	68.60	0.00	33.79
10.25	-	-	-	33.72	68.60	0.00	33.72
10.30	-	-	-	33.65	68.60	0.00	33.65
10.35	-	-	-	33.58	68.60	0.00	33.58
10.40	-	-	-	33.51	68.60	0.00	33.51
10.45	-	-	-	33.44	68.60	0.00	33.44
10.50	-	-	-	33.38	68.60	0.00	33.38
10.55	-	-	-	33.31	68.60	0.00	33.31
10.60	-	-	-	33.24	68.60	0.00	33.24
10.65	-	-	-	33.17	68.60	0.00	33.17
10.70	-	-	-	33.11	68.60	0.00	33.11
10.75	-	-	-	33.04	68.60	0.00	33.04
10.80	-	-	-	32.98	68.60	0.00	32.98
10.85	-	-	-	32.91	68.60	0.00	32.91
10.90	-	-	-	32.85	68.60	0.00	32.85
10.95	-	-	-	32.79	68.60	0.00	32.79
11.00	-	-	-	32.72	68.60	0.00	32.72
11.05	-	-	-	32.66	68.60	0.00	32.66
11.10	-	-	-	32.60	68.60	0.00	32.60
11.15	-	-	-	32.53	68.60	0.00	32.53
11.20	-	-	-	32.47	68.60	0.00	32.47
11.25	-	-	-	32.41	68.60	0.00	32.41
11.30	-	-	-	32.35	68.60	0.00	32.35
11.35	-	-	-	32.29	68.60	0.00	32.29
11.40	-	-	-	32.23	68.60	0.00	32.23
11.45	-	-	-	32.17	68.60	0.00	32.17
11.50	-	-	-	32.11	68.60	0.00	32.11
11.55	-	-	-	32.05	68.60	0.00	32.05
11.60	-	-	-	31.99	68.60	0.00	31.99
11.65	-	-	-	31.93	68.60	0.00	31.93
11.70	-	-	-	31.88	68.60	0.00	31.88
11.75	-	-	-	31.82	68.60	0.00	31.82
11.80	-	-	-	31.76	68.60	0.00	31.76
11.85	-	-	-	31.70	68.60	0.00	31.70
11.90	-	-	-	31.65	68.60	0.00	31.65
11.95	-	-	-	31.59	68.60	0.00	31.59
12.00	-	-	-	31.54	68.60	0.00	31.54
12.05	-	-	-	31.48	68.60	0.00	31.48
12.10	-	-	-	31.43	68.60	0.00	31.43
12.15	-	-	-	31.37	68.60	0.00	31.37
12.20	-	-	-	31.32	68.60	0.00	31.32
12.25	-	-	-	31.26	68.60	0.00	31.26
12.30	-	-	-	31.21	68.60	0.00	31.21
12.35	-	-	-	31.16	68.60	0.00	31.16
12.40	-	-	-	31.10	68.60	0.00	31.10
12.45	-	-	-	31.05	68.60	0.00	31.05
12.50	-	-	-	31.00	68.60	0.00	31.00
12.55	-	-	-	30.94	68.60	0.00	30.94
12.60	-	-	-	30.89	68.60	0.00	30.89
12.65	-	-	-	30.84	68.60	0.00	30.84
12.70	-	-	-	30.79	68.60	0.00	30.79

12.75	-	-	-	30.74	68.60	0.00	30.74
12.80	-	-	-	30.69	68.60	0.00	30.69
12.85	-	-	-	30.64	68.60	0.00	30.64
12.90	-	-	-	30.59	68.60	0.00	30.59
12.95	-	-	-	30.54	68.60	0.00	30.54
13.00	-	-	-	30.49	68.60	0.00	30.49
13.05	-	-	-	30.44	68.60	0.00	30.44
13.10	-	-	-	30.39	68.60	0.00	30.39
13.15	-	-	-	30.34	68.60	0.00	30.34
13.20	-	-	-	30.29	68.60	0.00	30.29
13.25	-	-	-	30.24	68.60	0.00	30.24
13.30	-	-	-	30.20	68.60	0.00	30.20
13.35	-	-	-	30.15	68.60	0.00	30.15
13.40	-	-	-	30.10	68.60	0.00	30.10
13.45	-	-	-	30.05	68.60	0.00	30.05
13.50	-	-	-	30.01	68.60	0.00	30.01
13.55	-	-	-	29.96	68.60	0.00	29.96
13.60	-	-	-	29.91	68.60	0.00	29.91
13.65	-	-	-	29.87	68.60	0.00	29.87
13.70	-	-	-	29.82	68.60	0.00	29.82
13.75	-	-	-	29.78	68.60	0.00	29.78
13.80	-	-	-	29.73	68.60	0.00	29.73
13.85	-	-	-	29.69	68.60	0.00	29.69
13.90	-	-	-	29.64	68.60	0.00	29.64
13.95	-	-	-	29.60	68.60	0.00	29.60
14.00	-	-	-	29.55	68.60	0.00	29.55
14.05	-	-	-	29.51	68.60	0.00	29.51
14.10	-	-	-	29.46	68.60	0.00	29.46
14.15	-	-	-	29.42	68.60	0.00	29.42
14.20	-	-	-	29.38	68.60	0.00	29.38
14.25	-	-	-	29.33	68.60	0.00	29.33
14.30	-	-	-	29.29	68.60	0.00	29.29
14.35	-	-	-	29.25	68.60	0.00	29.25
14.40	-	-	-	29.21	68.60	0.00	29.21
14.45	-	-	-	29.16	68.60	0.00	29.16
14.50	-	-	-	29.12	68.60	0.00	29.12
14.55	-	-	-	29.08	68.60	0.00	29.08
14.60	-	-	-	29.04	68.60	0.00	29.04
14.65	-	-	-	29.00	68.60	0.00	29.00
14.70	-	-	-	28.95	68.60	0.00	28.95
14.75	-	-	-	28.91	68.60	0.00	28.91
14.80	-	-	-	31.68	68.60	0.00	31.68
14.85	-	-	-	31.64	68.60	0.00	31.64
14.90	-	-	-	31.59	68.60	0.00	31.59
14.95	-	-	-	31.54	68.60	0.00	31.54
15.00	-	-	-	31.50	68.60	0.00	31.50
15.05	-	-	-	31.26	68.92	0.00	31.26
15.10	-	-	-	31.03	69.25	0.00	31.03
15.15	-	-	-	30.79	69.57	0.00	30.79
15.20	-	-	-	30.56	69.90	0.00	30.56
15.25	-	-	-	30.32	70.22	0.00	30.32
15.30	-	-	-	30.09	70.54	0.00	30.09
15.35	-	-	-	29.86	70.87	0.00	29.86
15.40	-	-	-	29.63	71.19	0.00	29.63
15.45	-	-	-	29.40	71.52	0.00	29.40
15.50	-	-	-	29.17	71.84	0.00	29.17
15.55	-	-	-	28.94	72.16	0.00	28.94
15.60	-	-	-	28.71	72.49	0.00	28.71
15.65	-	-	-	28.49	72.81	0.00	28.49
15.70	-	-	-	28.26	73.14	0.00	28.26
15.75	-	-	-	28.03	73.46	0.00	28.03
15.80	-	-	-	27.81	73.78	0.00	27.81
15.85	-	-	-	27.59	74.11	0.00	27.59
15.90	-	-	-	27.36	74.43	0.00	27.36
15.95	-	-	-	27.14	74.76	0.00	27.14
16.00	-	-	-	26.92	75.08	0.00	26.92
16.05	-	-	-	26.70	75.40	0.00	26.70
16.10	-	-	-	26.48	75.73	0.00	26.48
16.15	-	-	-	26.26	76.05	0.00	26.26
16.20	-	-	-	26.04	76.38	0.00	26.04
16.25	-	-	-	25.82	76.70	0.00	25.82
16.30	-	-	-	25.61	77.02	0.00	25.61
16.35	-	-	-	25.39	77.35	0.00	25.39

16.40	-	-	-	25.18	77.67	0.00	25.18
16.45	-	-	-	24.96	78.00	0.00	24.96
16.50	-	-	-	24.75	78.32	0.00	24.75
16.55	-	-	-	24.53	78.64	0.00	24.53
16.60	-	-	-	24.32	78.97	0.00	24.32
16.65	-	-	-	24.11	79.29	0.00	24.11
16.70	-	-	-	23.90	79.62	0.00	23.90
16.75	-	-	-	23.69	79.94	0.00	23.69
16.80	-	-	-	23.48	80.26	0.00	23.48
16.85	-	-	-	23.27	80.59	0.00	23.27
16.90	-	-	-	23.06	80.91	0.00	23.06
16.95	-	-	-	22.85	81.24	0.00	22.85
17.00	-	-	-	22.64	81.56	0.00	22.64
17.05	-	-	-	22.45	81.88	0.00	22.45
17.10	-	-	-	22.26	82.21	0.00	22.26
17.15	-	-	-	22.06	82.53	0.00	22.06
17.20	-	-	-	21.87	82.86	0.00	21.87
17.25	-	-	-	21.68	83.18	0.00	21.68
17.30	-	-	-	21.49	83.50	0.00	21.49
17.35	-	-	-	21.30	83.83	0.00	21.30
17.40	-	-	-	21.11	84.15	0.00	21.11
17.45	-	-	-	20.91	84.48	0.00	20.91
17.50	-	-	-	20.72	84.80	0.00	20.72
17.55	-	-	-	20.53	85.12	0.00	20.53
17.60	-	-	-	20.34	85.45	0.00	20.34
17.65	-	-	-	20.15	85.77	0.00	20.15
17.70	-	-	-	19.96	86.10	0.00	19.96
17.75	-	-	-	19.77	86.42	0.00	19.77
17.80	-	-	-	19.58	86.74	0.00	19.58
17.85	-	-	-	19.40	87.07	0.00	19.40
17.90	-	-	-	19.21	87.39	0.00	19.21
17.95	-	-	-	19.02	87.72	0.00	19.02
18.00	-	-	-	18.83	88.04	0.00	18.83
18.05	-	-	-	18.64	88.36	0.00	18.64
18.10	-	-	-	18.46	88.69	0.00	18.46
18.15	-	-	-	18.27	89.01	0.00	18.27
18.20	-	-	-	18.08	89.34	0.00	18.08
18.25	-	-	-	17.89	89.66	0.00	17.89
18.30	-	-	-	17.71	89.98	0.00	17.71
18.35	-	-	-	17.52	90.31	0.00	17.52
18.40	-	-	-	17.34	90.63	0.00	17.34
18.45	-	-	-	17.15	90.96	0.00	17.15
18.50	-	-	-	16.96	91.28	0.00	16.96
18.55	-	-	-	16.78	91.60	0.00	16.78
18.60	-	-	-	16.59	91.93	0.00	16.59
18.65	-	-	-	16.41	92.25	0.00	16.41
18.70	-	-	-	16.23	92.58	0.00	16.23
18.75	-	-	-	16.04	92.90	0.00	16.04
18.80	-	-	-	15.86	93.22	0.00	15.86
18.85	-	-	-	15.67	93.55	0.00	15.67
18.90	-	-	-	15.49	93.87	0.00	15.49
18.95	-	-	-	15.31	94.20	0.00	15.31
19.00	-	-	-	15.13	94.52	0.00	15.13
19.05	-	-	-	14.94	94.84	0.00	14.94
19.10	-	-	-	14.76	95.17	0.00	14.76
19.15	-	-	-	14.58	95.49	0.00	14.58
19.20	-	-	-	14.40	95.82	0.00	14.40
19.25	-	-	-	14.21	96.14	0.00	14.21
19.30	-	-	-	14.03	96.46	0.00	14.03
19.35	-	-	-	13.85	96.79	0.00	13.85
19.40	-	-	-	13.67	97.11	0.00	13.67
19.45	-	-	-	13.49	97.44	0.00	13.49
19.50	-	-	-	13.31	97.76	0.00	13.31
19.55	-	-	-	13.13	98.08	0.00	13.13
19.60	-	-	-	12.95	98.41	0.00	12.95
19.65	-	-	-	12.77	98.73	0.00	12.77
19.70	-	-	-	12.59	99.06	0.00	12.59
19.75	-	-	-	12.41	99.38	0.00	12.41
19.80	-	-	-	12.23	99.70	0.00	12.23
19.85	-	-	-	12.05	NoLiq	0.00	12.05
19.90	-	-	-	11.88	NoLiq	0.00	11.88
19.95	-	-	-	11.70	NoLiq	0.00	11.70
20.00	-	-	-	11.52	NoLiq	0.00	11.52

20.05	-	-	-	11.51	NoLiq	0.00	11.51
20.10	-	-	-	11.51	NoLiq	0.00	11.51
20.15	-	-	-	11.51	NoLiq	0.00	11.51
20.20	-	-	-	11.50	NoLiq	0.00	11.50
20.25	-	-	-	11.50	NoLiq	0.00	11.50
20.30	-	-	-	11.49	NoLiq	0.00	11.49
20.35	-	-	-	11.49	NoLiq	0.00	11.49
20.40	-	-	-	11.49	NoLiq	0.00	11.49
20.45	-	-	-	11.48	NoLiq	0.00	11.48
20.50	-	-	-	11.48	NoLiq	0.00	11.48
20.55	-	-	-	11.47	NoLiq	0.00	11.47
20.60	-	-	-	11.47	NoLiq	0.00	11.47
20.65	-	-	-	11.47	NoLiq	0.00	11.47
20.70	-	-	-	11.46	NoLiq	0.00	11.46
20.75	-	-	-	11.46	NoLiq	0.00	11.46
20.80	-	-	-	11.45	NoLiq	0.00	11.45
20.85	-	-	-	11.45	NoLiq	0.00	11.45
20.90	-	-	-	11.45	NoLiq	0.00	11.45
20.95	-	-	-	11.44	NoLiq	0.00	11.44
21.00	-	-	-	11.44	NoLiq	0.00	11.44
21.05	-	-	-	11.43	NoLiq	0.00	11.43
21.10	-	-	-	11.43	NoLiq	0.00	11.43
21.15	-	-	-	11.43	NoLiq	0.00	11.43
21.20	-	-	-	11.42	NoLiq	0.00	11.42
21.25	-	-	-	11.42	NoLiq	0.00	11.42
21.30	-	-	-	11.41	NoLiq	0.00	11.41
21.35	-	-	-	11.41	NoLiq	0.00	11.41
21.40	-	-	-	11.41	NoLiq	0.00	11.41
21.45	-	-	-	11.40	NoLiq	0.00	11.40
21.50	-	-	-	11.40	NoLiq	0.00	11.40
21.55	-	-	-	11.40	NoLiq	0.00	11.40
21.60	-	-	-	11.39	NoLiq	0.00	11.39
21.65	-	-	-	11.39	NoLiq	0.00	11.39
21.70	-	-	-	11.38	NoLiq	0.00	11.38
21.75	-	-	-	11.38	NoLiq	0.00	11.38
21.80	-	-	-	11.38	NoLiq	0.00	11.38
21.85	-	-	-	11.37	NoLiq	0.00	11.37
21.90	-	-	-	11.37	NoLiq	0.00	11.37
21.95	-	-	-	11.36	NoLiq	0.00	11.36
22.00	-	-	-	11.36	NoLiq	0.00	11.36
22.05	-	-	-	11.36	NoLiq	0.00	11.36
22.10	-	-	-	11.35	NoLiq	0.00	11.35
22.15	-	-	-	11.35	NoLiq	0.00	11.35
22.20	-	-	-	11.35	NoLiq	0.00	11.35
22.25	-	-	-	11.34	NoLiq	0.00	11.34
22.30	-	-	-	11.34	NoLiq	0.00	11.34
22.35	-	-	-	11.33	NoLiq	0.00	11.33
22.40	-	-	-	11.33	NoLiq	0.00	11.33
22.45	-	-	-	11.33	NoLiq	0.00	11.33
22.50	-	-	-	11.32	NoLiq	0.00	11.32
22.55	-	-	-	11.32	NoLiq	0.00	11.32
22.60	-	-	-	11.32	NoLiq	0.00	11.32
22.65	-	-	-	11.31	NoLiq	0.00	11.31
22.70	-	-	-	11.31	NoLiq	0.00	11.31
22.75	-	-	-	11.30	NoLiq	0.00	11.30
22.80	-	-	-	11.30	NoLiq	0.00	11.30
22.85	-	-	-	11.30	NoLiq	0.00	11.30
22.90	-	-	-	11.29	NoLiq	0.00	11.29
22.95	-	-	-	11.29	NoLiq	0.00	11.29
23.00	-	-	-	11.29	NoLiq	0.00	11.29
23.05	-	-	-	11.28	NoLiq	0.00	11.28
23.10	-	-	-	11.28	NoLiq	0.00	11.28
23.15	-	-	-	11.27	NoLiq	0.00	11.27
23.20	-	-	-	11.27	NoLiq	0.00	11.27
23.25	-	-	-	11.27	NoLiq	0.00	11.27
23.30	-	-	-	11.26	NoLiq	0.00	11.26
23.35	-	-	-	11.26	NoLiq	0.00	11.26
23.40	-	-	-	11.26	NoLiq	0.00	11.26
23.45	-	-	-	11.25	NoLiq	0.00	11.25
23.50	-	-	-	11.25	NoLiq	0.00	11.25
23.55	-	-	-	11.25	NoLiq	0.00	11.25
23.60	-	-	-	11.24	NoLiq	0.00	11.24
23.65	-	-	-	11.24	NoLiq	0.00	11.24

23.70	-	-	-	11.23	NoLiq	0.00	11.23
23.75	-	-	-	11.23	NoLiq	0.00	11.23
23.80	-	-	-	11.23	NoLiq	0.00	11.23
23.85	-	-	-	11.22	NoLiq	0.00	11.22
23.90	-	-	-	11.22	NoLiq	0.00	11.22
23.95	-	-	-	11.22	NoLiq	0.00	11.22
24.00	-	-	-	11.21	NoLiq	0.00	11.21
24.05	-	-	-	11.21	NoLiq	0.00	11.21
24.10	-	-	-	11.21	NoLiq	0.00	11.21
24.15	-	-	-	11.20	NoLiq	0.00	11.20
24.20	-	-	-	11.20	NoLiq	0.00	11.20
24.25	-	-	-	11.20	NoLiq	0.00	11.20
24.30	-	-	-	11.19	NoLiq	0.00	11.19
24.35	-	-	-	11.19	NoLiq	0.00	11.19
24.40	-	-	-	11.18	NoLiq	0.00	11.18
24.45	-	-	-	11.18	NoLiq	0.00	11.18
24.50	-	-	-	11.18	NoLiq	0.00	11.18
24.55	-	-	-	11.17	NoLiq	0.00	11.17
24.60	-	-	-	11.17	NoLiq	0.00	11.17
24.65	-	-	-	11.17	NoLiq	0.00	11.17
24.70	-	-	-	11.16	NoLiq	0.00	11.16
24.75	-	-	-	11.16	NoLiq	0.00	11.16
24.80	-	-	-	11.16	NoLiq	0.00	11.16
24.85	-	-	-	11.15	NoLiq	0.00	11.15
24.90	-	-	-	11.15	NoLiq	0.00	11.15
24.95	-	-	-	11.15	NoLiq	0.00	11.15
25.00	-	-	-	11.14	NoLiq	0.00	11.14
25.05	-	-	-	11.26	NoLiq	0.00	11.26
25.10	-	-	-	11.38	NoLiq	0.00	11.38
25.15	-	-	-	11.50	NoLiq	0.00	11.50
25.20	-	-	-	11.62	NoLiq	0.00	11.62
25.25	-	-	-	11.74	NoLiq	0.00	11.74
25.30	-	-	-	11.86	NoLiq	0.00	11.86
25.35	-	-	-	11.98	NoLiq	0.00	11.98
25.40	-	-	-	12.09	NoLiq	0.00	12.09
25.45	-	-	-	12.21	NoLiq	0.00	12.21
25.50	-	-	-	12.33	NoLiq	0.00	12.33
25.55	-	-	-	12.45	NoLiq	0.00	12.45
25.60	-	-	-	12.57	NoLiq	0.00	12.57
25.65	-	-	-	12.68	NoLiq	0.00	12.68
25.70	-	-	-	12.80	NoLiq	0.00	12.80
25.75	-	-	-	12.92	NoLiq	0.00	12.92
25.80	-	-	-	13.04	NoLiq	0.00	13.04
25.85	-	-	-	13.15	NoLiq	0.00	13.15
25.90	-	-	-	13.27	NoLiq	0.00	13.27
25.95	-	-	-	13.39	NoLiq	0.00	13.39
26.00	-	-	-	13.50	NoLiq	0.00	13.50
26.05	-	-	-	13.62	NoLiq	0.00	13.62
26.10	-	-	-	13.74	NoLiq	0.00	13.74
26.15	-	-	-	13.85	NoLiq	0.00	13.85
26.20	-	-	-	13.97	NoLiq	0.00	13.97
26.25	-	-	-	14.09	NoLiq	0.00	14.09
26.30	-	-	-	14.20	NoLiq	0.00	14.20
26.35	-	-	-	14.32	NoLiq	0.00	14.32
26.40	-	-	-	14.44	NoLiq	0.00	14.44
26.45	-	-	-	14.55	NoLiq	0.00	14.55
26.50	-	-	-	14.67	NoLiq	0.00	14.67
26.55	-	-	-	14.78	NoLiq	0.00	14.78
26.60	-	-	-	14.90	NoLiq	0.00	14.90
26.65	-	-	-	15.01	NoLiq	0.00	15.01
26.70	-	-	-	15.13	NoLiq	0.00	15.13
26.75	-	-	-	15.24	NoLiq	0.00	15.24
26.80	-	-	-	15.36	NoLiq	0.00	15.36
26.85	-	-	-	15.47	NoLiq	0.00	15.47
26.90	-	-	-	15.59	NoLiq	0.00	15.59
26.95	-	-	-	15.70	NoLiq	0.00	15.70
27.00	-	-	-	15.82	NoLiq	0.00	15.82
27.05	-	-	-	15.93	NoLiq	0.00	15.93
27.10	-	-	-	16.05	NoLiq	0.00	16.05
27.15	-	-	-	16.16	NoLiq	0.00	16.16
27.20	-	-	-	16.27	NoLiq	0.00	16.27
27.25	-	-	-	16.39	NoLiq	0.00	16.39
27.30	-	-	-	16.50	NoLiq	0.00	16.50

27.35	-	-	-	16.62	NoLiq	0.00	16.62
27.40	-	-	-	16.73	NoLiq	0.00	16.73
27.45	-	-	-	16.84	NoLiq	0.00	16.84
27.50	-	-	-	16.96	NoLiq	0.00	16.96
27.55	-	-	-	17.07	NoLiq	0.00	17.07
27.60	-	-	-	17.18	NoLiq	0.00	17.18
27.65	-	-	-	17.29	NoLiq	0.00	17.29
27.70	-	-	-	17.41	NoLiq	0.00	17.41
27.75	-	-	-	17.52	NoLiq	0.00	17.52
27.80	-	-	-	17.63	NoLiq	0.00	17.63
27.85	-	-	-	17.75	NoLiq	0.00	17.75
27.90	-	-	-	18.53	NoLiq	0.00	18.53
27.95	-	-	-	18.65	NoLiq	0.00	18.65
28.00	-	-	-	18.77	NoLiq	0.00	18.77
28.05	-	-	-	18.89	NoLiq	0.00	18.89
28.10	-	-	-	19.01	NoLiq	0.00	19.01
28.15	-	-	-	19.12	NoLiq	0.00	19.12
28.20	-	-	-	19.24	NoLiq	0.00	19.24
28.25	-	-	-	19.36	NoLiq	0.00	19.36
28.30	-	-	-	19.48	NoLiq	0.00	19.48
28.35	-	-	-	19.59	NoLiq	0.00	19.59
28.40	-	-	-	19.71	NoLiq	0.00	19.71
28.45	-	-	-	19.83	NoLiq	0.00	19.83
28.50	-	-	-	19.95	NoLiq	0.00	19.95
28.55	-	-	-	20.06	NoLiq	0.00	20.06
28.60	-	-	-	20.18	NoLiq	0.00	20.18
28.65	-	-	-	20.30	NoLiq	0.00	20.30
28.70	-	-	-	20.41	NoLiq	0.00	20.41
28.75	-	-	-	20.53	NoLiq	0.00	20.53
28.80	-	-	-	20.64	NoLiq	0.00	20.64
28.85	-	-	-	20.76	NoLiq	0.00	20.76
28.90	-	-	-	20.88	NoLiq	0.00	20.88
28.95	-	-	-	20.99	NoLiq	0.00	20.99
29.00	-	-	-	21.11	NoLiq	0.00	21.11
29.05	-	-	-	21.22	NoLiq	0.00	21.22
29.10	-	-	-	21.34	NoLiq	0.00	21.34
29.15	-	-	-	21.45	NoLiq	0.00	21.45
29.20	-	-	-	21.57	NoLiq	0.00	21.57
29.25	-	-	-	21.69	NoLiq	0.00	21.69
29.30	-	-	-	21.80	NoLiq	0.00	21.80
29.35	-	-	-	21.92	NoLiq	0.00	21.92
29.40	-	-	-	22.03	NoLiq	0.00	22.03
29.45	-	-	-	22.15	NoLiq	0.00	22.15
29.50	-	-	-	22.26	NoLiq	0.00	22.26
29.55	-	-	-	22.37	NoLiq	0.00	22.37
29.60	-	-	-	22.49	NoLiq	0.00	22.49
29.65	-	-	-	22.60	NoLiq	0.00	22.60
29.70	-	-	-	22.72	NoLiq	0.00	22.72
29.75	-	-	-	22.83	NoLiq	0.00	22.83
29.80	-	-	-	22.95	NoLiq	0.00	22.95
29.85	-	-	-	23.06	NoLiq	0.00	23.06
29.90	-	-	-	23.17	NoLiq	0.00	23.17
29.95	-	-	-	23.29	NoLiq	0.00	23.29
30.00	-	-	-	23.40	NoLiq	0.00	23.40
30.05	-	-	-	23.39	NoLiq	0.00	23.39
30.10	-	-	-	23.38	NoLiq	0.00	23.38
30.15	-	-	-	23.37	NoLiq	0.00	23.37
30.20	-	-	-	23.36	NoLiq	0.00	23.36
30.25	-	-	-	23.36	NoLiq	0.00	23.36
30.30	-	-	-	23.35	NoLiq	0.00	23.35
30.35	-	-	-	23.34	NoLiq	0.00	23.34
30.40	-	-	-	23.33	NoLiq	0.00	23.33
30.45	-	-	-	23.32	NoLiq	0.00	23.32
30.50	-	-	-	23.31	NoLiq	0.00	23.31
30.55	-	-	-	23.30	NoLiq	0.00	23.30
30.60	-	-	-	23.29	NoLiq	0.00	23.29
30.65	-	-	-	23.28	NoLiq	0.00	23.28
30.70	-	-	-	23.27	NoLiq	0.00	23.27
30.75	-	-	-	23.26	NoLiq	0.00	23.26
30.80	-	-	-	23.26	NoLiq	0.00	23.26
30.85	-	-	-	23.25	NoLiq	0.00	23.25
30.90	-	-	-	23.24	NoLiq	0.00	23.24
30.95	-	-	-	23.23	NoLiq	0.00	23.23

31.00	-	-	-	23.22	NoLiq	0.00	23.22
31.05	-	-	-	23.21	NoLiq	0.00	23.21
31.10	-	-	-	23.20	NoLiq	0.00	23.20
31.15	-	-	-	23.19	NoLiq	0.00	23.19
31.20	-	-	-	23.18	NoLiq	0.00	23.18
31.25	-	-	-	23.17	NoLiq	0.00	23.17
31.30	-	-	-	23.16	NoLiq	0.00	23.16
31.35	-	-	-	23.16	NoLiq	0.00	23.16
31.40	-	-	-	23.15	NoLiq	0.00	23.15
31.45	-	-	-	23.14	NoLiq	0.00	23.14
31.50	-	-	-	23.13	NoLiq	0.00	23.13
31.55	-	-	-	23.12	NoLiq	0.00	23.12
31.60	-	-	-	23.11	NoLiq	0.00	23.11
31.65	-	-	-	23.10	NoLiq	0.00	23.10
31.70	-	-	-	23.09	NoLiq	0.00	23.09
31.75	-	-	-	23.08	NoLiq	0.00	23.08
31.80	-	-	-	23.07	NoLiq	0.00	23.07
31.85	-	-	-	23.07	NoLiq	0.00	23.07
31.90	-	-	-	23.06	NoLiq	0.00	23.06
31.95	-	-	-	23.05	NoLiq	0.00	23.05
32.00	-	-	-	23.04	NoLiq	0.00	23.04
32.05	-	-	-	23.03	NoLiq	0.00	23.03
32.10	-	-	-	23.02	NoLiq	0.00	23.02
32.15	-	-	-	23.01	NoLiq	0.00	23.01
32.20	-	-	-	23.00	NoLiq	0.00	23.00
32.25	-	-	-	22.99	NoLiq	0.00	22.99
32.30	-	-	-	22.98	NoLiq	0.00	22.98
32.35	-	-	-	22.98	NoLiq	0.00	22.98
32.40	-	-	-	22.97	NoLiq	0.00	22.97
32.45	-	-	-	22.96	NoLiq	0.00	22.96
32.50	-	-	-	22.95	NoLiq	0.00	22.95
32.55	-	-	-	22.94	NoLiq	0.00	22.94
32.60	-	-	-	22.93	NoLiq	0.00	22.93
32.65	-	-	-	22.92	NoLiq	0.00	22.92
32.70	-	-	-	22.91	NoLiq	0.00	22.91
32.75	-	-	-	22.90	NoLiq	0.00	22.90
32.80	-	-	-	22.90	NoLiq	0.00	22.90
32.85	-	-	-	22.89	NoLiq	0.00	22.89
32.90	-	-	-	22.88	NoLiq	0.00	22.88
32.95	-	-	-	22.87	NoLiq	0.00	22.87
33.00	-	-	-	22.86	NoLiq	0.00	22.86
33.05	-	-	-	22.85	NoLiq	0.00	22.85
33.10	-	-	-	22.84	NoLiq	0.00	22.84
33.15	-	-	-	22.83	NoLiq	0.00	22.83
33.20	-	-	-	22.82	NoLiq	0.00	22.82
33.25	-	-	-	22.82	NoLiq	0.00	22.82
33.30	-	-	-	22.81	NoLiq	0.00	22.81
33.35	-	-	-	22.80	NoLiq	0.00	22.80
33.40	-	-	-	22.79	NoLiq	0.00	22.79
33.45	-	-	-	22.78	NoLiq	0.00	22.78
33.50	-	-	-	22.77	NoLiq	0.00	22.77
33.55	-	-	-	22.76	NoLiq	0.00	22.76
33.60	-	-	-	22.75	NoLiq	0.00	22.75
33.65	-	-	-	22.74	NoLiq	0.00	22.74
33.70	-	-	-	22.74	NoLiq	0.00	22.74
33.75	-	-	-	22.73	NoLiq	0.00	22.73
33.80	-	-	-	22.72	NoLiq	0.00	22.72
33.85	-	-	-	22.71	NoLiq	0.00	22.71
33.90	-	-	-	22.70	NoLiq	0.00	22.70
33.95	-	-	-	22.69	NoLiq	0.00	22.69
34.00	-	-	-	22.68	NoLiq	0.00	22.68
34.05	-	-	-	22.67	NoLiq	0.00	22.67
34.10	-	-	-	22.67	NoLiq	0.00	22.67
34.15	-	-	-	22.66	NoLiq	0.00	22.66
34.20	-	-	-	22.65	NoLiq	0.00	22.65
34.25	-	-	-	22.64	NoLiq	0.00	22.64
34.30	-	-	-	22.63	NoLiq	0.00	22.63
34.35	-	-	-	22.62	NoLiq	0.00	22.62
34.40	-	-	-	22.61	NoLiq	0.00	22.61
34.45	-	-	-	22.60	NoLiq	0.00	22.60
34.50	-	-	-	22.59	NoLiq	0.00	22.59
34.55	-	-	-	22.59	NoLiq	0.00	22.59
34.60	-	-	-	22.58	NoLiq	0.00	22.58

34.65	-	-	-	22.57	NoLiq	0.00	22.57
34.70	-	-	-	22.56	NoLiq	0.00	22.56
34.75	-	-	-	22.55	NoLiq	0.00	22.55
34.80	-	-	-	22.54	NoLiq	0.00	22.54
34.85	-	-	-	22.53	NoLiq	0.00	22.53
34.90	-	-	-	22.52	NoLiq	0.00	22.52
34.95	-	-	-	22.52	NoLiq	0.00	22.52
35.00	-	-	-	22.51	NoLiq	0.00	22.51
35.05	-	-	-	22.58	NoLiq	0.00	22.58
35.10	-	-	-	22.64	NoLiq	0.00	22.64
35.15	-	-	-	22.71	NoLiq	0.00	22.71
35.20	-	-	-	22.78	NoLiq	0.00	22.78
35.25	-	-	-	22.85	NoLiq	0.00	22.85
35.30	-	-	-	22.92	NoLiq	0.00	22.92
35.35	-	-	-	22.99	NoLiq	0.00	22.99
35.40	-	-	-	23.06	NoLiq	0.00	23.06
35.45	-	-	-	23.13	NoLiq	0.00	23.13
35.50	-	-	-	23.19	NoLiq	0.00	23.19
35.55	-	-	-	23.26	NoLiq	0.00	23.26
35.60	-	-	-	23.33	NoLiq	0.00	23.33
35.65	-	-	-	23.40	NoLiq	0.00	23.40
35.70	-	-	-	23.47	NoLiq	0.00	23.47
35.75	-	-	-	23.54	NoLiq	0.00	23.54
35.80	-	-	-	23.60	NoLiq	0.00	23.60
35.85	-	-	-	23.67	NoLiq	0.00	23.67
35.90	-	-	-	23.74	NoLiq	0.00	23.74
35.95	-	-	-	23.81	NoLiq	0.00	23.81
36.00	-	-	-	23.87	NoLiq	0.00	23.87
36.05	-	-	-	23.94	NoLiq	0.00	23.94
36.10	-	-	-	24.01	NoLiq	0.00	24.01
36.15	-	-	-	24.08	NoLiq	0.00	24.08
36.20	-	-	-	24.15	NoLiq	0.00	24.15
36.25	-	-	-	24.21	NoLiq	0.00	24.21
36.30	-	-	-	24.28	NoLiq	0.00	24.28
36.35	-	-	-	24.35	NoLiq	0.00	24.35
36.40	-	-	-	24.41	NoLiq	0.00	24.41
36.45	-	-	-	24.48	NoLiq	0.00	24.48
36.50	-	-	-	24.55	NoLiq	0.00	24.55
36.55	-	-	-	24.62	NoLiq	0.00	24.62
36.60	-	-	-	24.68	NoLiq	0.00	24.68
36.65	-	-	-	24.75	NoLiq	0.00	24.75
36.70	-	-	-	24.82	NoLiq	0.00	24.82
36.75	-	-	-	24.88	NoLiq	0.00	24.88
36.80	-	-	-	24.95	NoLiq	0.00	24.95
36.85	-	-	-	25.02	NoLiq	0.00	25.02
36.90	-	-	-	25.08	NoLiq	0.00	25.08
36.95	-	-	-	25.15	NoLiq	0.00	25.15
37.00	-	-	-	25.22	NoLiq	0.00	25.22
37.05	-	-	-	25.28	NoLiq	0.00	25.28
37.10	-	-	-	25.35	NoLiq	0.00	25.35
37.15	-	-	-	25.42	NoLiq	0.00	25.42
37.20	-	-	-	25.48	NoLiq	0.00	25.48
37.25	-	-	-	25.55	NoLiq	0.00	25.55
37.30	-	-	-	25.61	NoLiq	0.00	25.61
37.35	-	-	-	25.68	NoLiq	0.00	25.68
37.40	-	-	-	25.75	NoLiq	0.00	25.75
37.45	-	-	-	25.81	NoLiq	0.00	25.81
37.50	-	-	-	25.88	NoLiq	0.00	25.88
37.55	-	-	-	25.94	NoLiq	0.00	25.94
37.60	-	-	-	26.01	NoLiq	0.00	26.01
37.65	-	-	-	26.08	NoLiq	0.00	26.08
37.70	-	-	-	26.14	NoLiq	0.00	26.14
37.75	-	-	-	26.21	NoLiq	0.00	26.21
37.80	-	-	-	26.27	NoLiq	0.00	26.27
37.85	-	-	-	26.34	NoLiq	0.00	26.34
37.90	-	-	-	26.40	NoLiq	0.00	26.40
37.95	-	-	-	26.47	NoLiq	0.00	26.47
38.00	-	-	-	26.53	NoLiq	0.00	26.53
38.05	-	-	-	26.60	NoLiq	0.00	26.60
38.10	-	-	-	26.66	NoLiq	0.00	26.66
38.15	-	-	-	26.73	NoLiq	0.00	26.73
38.20	-	-	-	26.79	NoLiq	0.00	26.79
38.25	-	-	-	26.86	NoLiq	0.00	26.86

38.30	-	-	-	26.92	NoLiq	0.00	26.92
38.35	-	-	-	26.99	NoLiq	0.00	26.99
38.40	-	-	-	27.05	NoLiq	0.00	27.05
38.45	-	-	-	27.12	NoLiq	0.00	27.12
38.50	-	-	-	27.18	NoLiq	0.00	27.18
38.55	-	-	-	27.25	NoLiq	0.00	27.25
38.60	-	-	-	27.31	NoLiq	0.00	27.31
38.65	-	-	-	27.38	NoLiq	0.00	27.38
38.70	-	-	-	27.44	NoLiq	0.00	27.44
38.75	-	-	-	27.51	NoLiq	0.00	27.51
38.80	-	-	-	27.57	NoLiq	0.00	27.57
38.85	-	-	-	27.63	NoLiq	0.00	27.63
38.90	-	-	-	27.70	NoLiq	0.00	27.70
38.95	-	-	-	27.76	NoLiq	0.00	27.76
39.00	-	-	-	27.83	NoLiq	0.00	27.83
39.05	-	-	-	27.89	NoLiq	0.00	27.89
39.10	-	-	-	27.95	NoLiq	0.00	27.95
39.15	-	-	-	28.02	NoLiq	0.00	28.02
39.20	-	-	-	28.08	NoLiq	0.00	28.08
39.25	-	-	-	28.15	NoLiq	0.00	28.15
39.30	-	-	-	28.21	NoLiq	0.00	28.21
39.35	-	-	-	28.27	NoLiq	0.00	28.27
39.40	-	-	-	28.34	NoLiq	0.00	28.34
39.45	-	-	-	28.40	NoLiq	0.00	28.40
39.50	-	-	-	28.46	NoLiq	0.00	28.46
39.55	-	-	-	28.53	NoLiq	0.00	28.53
39.60	-	-	-	28.59	NoLiq	0.00	28.59
39.65	-	-	-	28.65	NoLiq	0.00	28.65
39.70	-	-	-	28.72	NoLiq	0.00	28.72
39.75	-	-	-	28.78	NoLiq	0.00	28.78
39.80	-	-	-	28.84	NoLiq	0.00	28.84
39.85	-	-	-	28.91	NoLiq	0.00	28.91
39.90	-	-	-	28.97	NoLiq	0.00	28.97
39.95	-	-	-	29.03	NoLiq	0.00	29.03
40.00	-	-	-	29.10	NoLiq	0.00	29.10
40.05	-	-	-	29.08	NoLiq	0.00	29.08
40.10	-	-	-	29.07	99.10	0.00	29.07
40.15	-	-	-	29.06	98.15	0.00	29.06
40.20	-	-	-	29.05	97.20	0.00	29.05
40.25	-	-	-	29.04	96.25	0.00	29.04
40.30	-	-	-	29.03	95.29	0.00	29.03
40.35	-	-	-	29.02	94.34	0.00	29.02
40.40	-	-	-	29.01	93.39	0.00	29.01
40.45	-	-	-	28.99	92.44	0.00	28.99
40.50	-	-	-	28.98	91.49	0.00	28.98
40.55	-	-	-	28.97	90.53	0.00	28.97
40.60	-	-	-	28.96	89.58	0.00	28.96
40.65	-	-	-	28.95	88.63	0.00	28.95
40.70	-	-	-	28.94	87.68	0.00	28.94
40.75	-	-	-	28.93	86.73	0.00	28.93
40.80	-	-	-	28.92	85.77	0.00	28.92
40.85	-	-	-	28.90	84.82	0.00	28.90
40.90	-	-	-	28.89	83.87	0.00	28.89
40.95	-	-	-	28.88	82.92	0.00	28.88
41.00	-	-	-	28.87	81.97	0.00	28.87
41.05	-	-	-	28.86	81.01	0.00	28.86
41.10	-	-	-	28.85	80.06	0.00	28.85
41.15	-	-	-	28.84	79.11	0.00	28.84
41.20	-	-	-	28.83	78.16	0.00	28.83
41.25	-	-	-	28.81	77.21	0.00	28.81
41.30	-	-	-	28.80	76.25	0.00	28.80
41.35	-	-	-	28.79	75.30	0.00	28.79
41.40	-	-	-	28.78	74.35	0.00	28.78
41.45	-	-	-	28.77	73.40	0.00	28.77
41.50	-	-	-	28.76	72.45	0.00	28.76
41.55	-	-	-	28.75	71.49	0.00	28.75
41.60	-	-	-	28.74	70.54	0.00	28.74
41.65	-	-	-	28.73	69.59	0.00	28.73
41.70	-	-	-	28.71	68.64	0.00	28.71
41.75	-	-	-	28.70	67.69	0.00	28.70
41.80	-	-	-	28.69	66.74	0.00	28.69
41.85	-	-	-	28.68	65.78	0.00	28.68
41.90	-	-	-	28.67	64.83	0.00	28.67

41.95	-	-	-	28.66	63.88	0.00	28.66
42.00	-	-	-	28.65	62.93	0.00	28.65
42.05	-	-	-	28.64	61.98	0.00	28.64
42.10	-	-	-	28.63	61.02	0.00	28.63
42.15	-	-	-	28.61	60.07	0.00	28.61
42.20	-	-	-	28.60	59.12	0.00	28.60
42.25	-	-	-	28.59	58.17	0.00	28.59
42.30	-	-	-	28.58	57.22	0.00	28.58
42.35	-	-	-	28.57	56.26	0.00	28.57
42.40	-	-	-	28.56	55.31	0.00	28.56
42.45	-	-	-	28.55	54.36	0.00	28.55
42.50	-	-	-	28.54	53.41	0.00	28.54
42.55	-	-	-	28.53	52.46	0.00	28.53
42.60	-	-	-	28.52	51.50	0.00	28.52
42.65	-	-	-	28.50	50.55	0.00	28.50
42.70	-	-	-	28.49	49.60	0.00	28.49
42.75	-	-	-	28.48	48.65	0.00	28.48
42.80	-	-	-	28.47	47.70	0.00	28.47
42.85	-	-	-	28.46	46.74	0.00	28.46
42.90	-	-	-	28.45	45.79	0.00	28.45
42.95	-	-	-	28.44	44.84	0.00	28.44
43.00	-	-	-	28.43	43.89	0.00	28.43
43.05	-	-	-	28.42	42.94	0.00	28.42
43.10	-	-	-	28.40	41.98	0.00	28.40
43.15	-	-	-	28.39	41.03	0.00	28.39
43.20	-	-	-	28.38	40.08	0.00	28.38
43.25	-	-	-	28.37	39.13	0.00	28.37
43.30	-	-	-	28.36	38.18	0.00	28.36
43.35	-	-	-	28.35	37.22	0.00	28.35
43.40	-	-	-	28.34	36.27	0.00	28.34
43.45	-	-	-	28.33	35.32	0.00	28.33
43.50	-	-	-	28.10	34.37	0.00	28.10
43.55	-	-	-	27.88	33.42	0.00	27.88
43.60	-	-	-	27.66	32.46	0.00	27.66
43.65	-	-	-	27.44	31.51	0.00	27.44
43.70	-	-	-	27.22	30.56	0.00	27.22
43.75	-	-	-	26.99	29.61	0.00	26.99
43.80	-	-	-	26.77	28.66	0.00	26.77
43.85	-	-	-	26.54	27.70	0.00	26.54
43.90	-	-	-	26.30	26.75	0.00	26.30
43.95	-	-	-	26.06	25.80	0.00	26.06
44.00	-	-	-	25.81	24.85	0.00	25.81
44.05	-	-	-	25.56	23.90	0.00	25.56
44.10	-	-	-	25.30	22.94	0.00	25.30
44.15	-	-	-	25.04	21.99	0.00	25.04
44.20	-	-	-	24.76	21.04	0.00	24.76
44.25	-	-	-	24.47	20.09	0.00	24.47
44.30	-	-	-	24.17	19.14	0.00	24.17
44.35	-	-	-	23.85	18.18	0.00	23.85
44.40	-	-	-	23.52	17.23	0.00	23.52
44.45	-	-	-	23.17	16.28	0.00	23.17
44.50	-	-	-	22.80	15.33	0.00	22.80
44.55	-	-	-	22.41	14.38	0.00	22.41
44.60	-	-	-	22.01	13.42	0.00	22.01
44.65	-	-	-	21.59	12.47	0.00	21.59
44.70	-	-	-	21.16	11.52	0.00	21.16
44.75	-	-	-	20.73	10.57	0.00	20.73
44.80	-	-	-	20.32	9.62	0.00	20.32
44.85	-	-	-	19.95	8.66	0.00	19.95
44.90	-	-	-	19.63	7.71	0.00	19.63
44.95	-	-	-	19.40	6.76	0.00	19.40
45.00	-	-	-	19.26	5.81	0.00	19.26
45.05	-	-	-	19.82	5.80	0.00	19.82
45.10	-	-	-	20.39	5.80	0.00	20.39
45.15	-	-	-	20.95	5.80	0.00	20.95
45.20	-	-	-	21.52	5.80	0.00	21.52
45.25	-	-	-	22.08	5.80	0.00	22.08
45.30	-	-	-	22.65	5.80	0.00	22.65
45.35	-	-	-	23.21	5.80	0.00	23.21
45.40	-	-	-	23.78	5.80	0.00	23.78
45.45	-	-	-	24.34	5.80	0.00	24.34
45.50	-	-	-	24.90	5.80	0.00	24.90
45.55	-	-	-	25.47	5.80	0.00	25.47

45.60	-	-	-	26.03	5.80	0.00	26.03
45.65	-	-	-	26.59	5.80	0.00	26.59
45.70	-	-	-	27.15	5.80	0.00	27.15
45.75	-	-	-	27.71	5.80	0.00	27.71
45.80	-	-	-	28.27	5.80	0.00	28.27
45.85	-	-	-	28.83	5.80	0.00	28.83
45.90	-	-	-	29.39	5.80	0.00	29.39
45.95	-	-	-	29.95	5.80	0.00	29.95
46.00	-	-	-	30.51	5.80	0.00	30.51
46.05	-	-	-	31.06	5.80	0.00	31.06
46.10	-	-	-	31.62	5.80	0.00	31.62
46.15	-	-	-	32.18	5.80	0.00	32.18
46.20	-	-	-	32.73	5.80	0.00	32.73
46.25	-	-	-	33.29	5.80	0.00	33.29
46.30	-	-	-	33.84	5.80	0.00	33.84
46.35	-	-	-	34.40	5.80	0.00	34.40
46.40	-	-	-	34.95	5.80	0.00	34.95
46.45	-	-	-	35.50	5.80	0.00	35.50
46.50	-	-	-	36.06	5.80	0.00	36.06
46.55	-	-	-	36.61	5.80	0.00	36.61
46.60	-	-	-	37.16	5.80	0.00	37.16
46.65	-	-	-	37.71	5.80	0.00	37.71
46.70	-	-	-	38.26	5.80	0.00	38.26
46.75	-	-	-	38.81	5.80	0.00	38.81
46.80	-	-	-	39.36	5.80	0.00	39.36
46.85	-	-	-	39.91	5.80	0.00	39.91
46.90	-	-	-	40.46	5.80	0.00	40.46
46.95	-	-	-	41.01	5.80	0.00	41.01
47.00	-	-	-	41.56	5.80	0.00	41.56
47.05	-	-	-	42.10	5.80	0.00	42.10
47.10	-	-	-	42.65	5.80	0.00	42.65
47.15	-	-	-	43.20	5.80	0.00	43.20
47.20	-	-	-	43.74	5.80	0.00	43.74
47.25	-	-	-	44.29	5.80	0.00	44.29
47.30	-	-	-	44.83	5.80	0.00	44.83
47.35	-	-	-	45.38	5.80	0.00	45.38
47.40	-	-	-	45.92	5.80	0.00	45.92
47.45	-	-	-	46.47	5.80	0.00	46.47
47.50	-	-	-	47.01	5.80	0.00	47.01
47.55	-	-	-	47.55	5.80	0.00	47.55
47.60	-	-	-	48.09	5.80	0.00	48.09
47.65	-	-	-	48.64	5.80	0.00	48.64
47.70	-	-	-	49.18	5.80	0.00	49.18
47.75	-	-	-	49.72	5.80	0.00	49.72
47.80	-	-	-	50.26	5.80	0.00	50.26
47.85	-	-	-	50.80	5.80	0.00	50.80
47.90	-	-	-	51.34	5.80	0.00	51.34
47.95	-	-	-	51.88	5.80	0.00	51.88
48.00	-	-	-	52.41	5.80	0.00	52.41
48.05	-	-	-	52.95	5.80	0.00	52.95
48.10	-	-	-	53.49	5.80	0.00	53.49
48.15	-	-	-	54.03	5.80	0.00	54.03
48.20	-	-	-	54.56	5.80	0.00	54.56
48.25	-	-	-	55.10	5.80	0.00	55.10
48.30	-	-	-	55.63	5.80	0.00	55.63
48.35	-	-	-	56.17	5.80	0.00	56.17
48.40	-	-	-	56.70	5.80	0.00	56.70
48.45	-	-	-	57.24	5.80	0.00	57.24
48.50	-	-	-	57.77	5.80	0.00	57.77
48.55	-	-	-	58.30	5.80	0.00	58.30
48.60	-	-	-	58.84	5.80	0.00	58.84
48.65	-	-	-	59.37	5.80	0.00	59.37
48.70	-	-	-	59.90	5.80	0.00	59.90
48.75	-	-	-	60.43	5.80	0.00	60.43
48.80	-	-	-	60.96	5.80	0.00	60.96
48.85	-	-	-	61.49	5.80	0.00	61.49
48.90	-	-	-	62.02	5.80	0.00	62.02
48.95	-	-	-	62.55	5.80	0.00	62.55
49.00	-	-	-	63.08	5.80	0.00	63.08
49.05	-	-	-	63.61	5.80	0.00	63.61
49.10	-	-	-	64.14	5.80	0.00	64.14
49.15	-	-	-	64.67	5.80	0.00	64.67
49.20	-	-	-	65.19	5.80	0.00	65.19

49.25	-	-	-	65.72	5.80	0.00	65.72
49.30	-	-	-	66.25	5.80	0.00	66.25
49.35	-	-	-	66.77	5.80	0.00	66.77
49.40	-	-	-	67.30	5.80	0.00	67.30
49.45	-	-	-	67.82	5.80	0.00	67.82
49.50	-	-	-	68.35	5.80	0.00	68.35
49.55	-	-	-	68.87	5.80	0.00	68.87
49.60	-	-	-	69.40	5.80	0.00	69.40
49.65	-	-	-	69.92	5.80	0.00	69.92
49.70	-	-	-	70.44	5.80	0.00	70.44
49.75	-	-	-	70.97	5.80	0.00	70.97
49.80	-	-	-	71.49	5.80	0.00	71.49
49.85	-	-	-	72.01	5.80	0.00	72.01
49.90	-	-	-	72.53	5.80	0.00	72.53
49.95	-	-	-	73.05	5.80	0.00	73.05
50.00	-	-	-	73.57	5.80	0.00	73.57
50.05	-	-	-	73.55	5.80	0.00	73.55
50.10	-	-	-	73.51	5.80	0.00	73.51
50.15	-	-	-	73.48	5.80	0.00	73.48
50.20	-	-	-	73.45	5.80	0.00	73.45
50.25	-	-	-	73.42	5.80	0.00	73.42
50.30	-	-	-	73.39	5.80	0.00	73.39
50.35	-	-	-	73.36	5.80	0.00	73.36
50.40	-	-	-	73.32	5.80	0.00	73.32
50.45	-	-	-	73.29	5.80	0.00	73.29
50.50	-	-	-	73.26	5.80	0.00	73.26
50.55	-	-	-	73.23	5.80	0.00	73.23
50.60	-	-	-	73.20	5.80	0.00	73.20
50.65	-	-	-	73.17	5.80	0.00	73.17
50.70	-	-	-	73.14	5.80	0.00	73.14
50.75	-	-	-	73.11	5.80	0.00	73.11
50.80	-	-	-	73.07	5.80	0.00	73.07
50.85	-	-	-	73.04	5.80	0.00	73.04
50.90	-	-	-	73.01	5.80	0.00	73.01
50.95	-	-	-	72.98	5.80	0.00	72.98
51.00	-	-	-	72.95	5.80	0.00	72.95
51.05	-	-	-	72.92	5.80	0.00	72.92
51.10	-	-	-	72.89	5.80	0.00	72.89
51.15	-	-	-	72.86	5.80	0.00	72.86
51.20	-	-	-	72.82	5.80	0.00	72.82
51.25	-	-	-	72.79	5.80	0.00	72.79
51.30	-	-	-	72.76	5.80	0.00	72.76
51.35	-	-	-	72.73	5.80	0.00	72.73
51.40	-	-	-	72.70	5.80	0.00	72.70
51.45	-	-	-	72.67	5.80	0.00	72.67
51.50	-	-	-	72.64	5.80	0.00	72.64
51.55	-	-	-	72.61	5.80	0.00	72.61
51.60	-	-	-	72.58	5.80	0.00	72.58
51.65	-	-	-	72.54	5.80	0.00	72.54
51.70	-	-	-	72.51	5.80	0.00	72.51
51.75	-	-	-	72.48	5.80	0.00	72.48
51.80	-	-	-	72.45	5.80	0.00	72.45
51.85	-	-	-	72.42	5.80	0.00	72.42
51.90	-	-	-	72.39	5.80	0.00	72.39
51.95	-	-	-	72.36	5.80	0.00	72.36
52.00	-	-	-	72.33	5.80	0.00	72.33
52.05	-	-	-	72.30	5.80	0.00	72.30
52.10	-	-	-	72.27	5.80	0.00	72.27
52.15	-	-	-	72.24	5.80	0.00	72.24
52.20	-	-	-	72.21	5.80	0.00	72.21
52.25	-	-	-	72.18	5.80	0.00	72.18
52.30	-	-	-	72.14	5.80	0.00	72.14
52.35	-	-	-	72.11	5.80	0.00	72.11
52.40	-	-	-	72.08	5.80	0.00	72.08
52.45	-	-	-	72.05	5.80	0.00	72.05
52.50	-	-	-	72.02	5.80	0.00	72.02
52.55	-	-	-	71.99	5.80	0.00	71.99
52.60	-	-	-	71.96	5.80	0.00	71.96
52.65	-	-	-	71.93	5.80	0.00	71.93
52.70	-	-	-	71.90	5.80	0.00	71.90
52.75	-	-	-	71.87	5.80	0.00	71.87
52.80	-	-	-	71.84	5.80	0.00	71.84
52.85	-	-	-	71.81	5.80	0.00	71.81

52.90	-	-	-	71.78	5.80	0.00	71.78
52.95	-	-	-	71.75	5.80	0.00	71.75
53.00	-	-	-	71.72	5.80	0.00	71.72
53.05	-	-	-	71.69	5.80	0.00	71.69
53.10	-	-	-	71.66	5.80	0.00	71.66
53.15	-	-	-	71.63	5.80	0.00	71.63
53.20	-	-	-	71.60	5.80	0.00	71.60
53.25	-	-	-	71.57	5.80	0.00	71.57
53.30	-	-	-	71.53	5.80	0.00	71.53
53.35	-	-	-	71.50	5.80	0.00	71.50
53.40	-	-	-	71.47	5.80	0.00	71.47
53.45	-	-	-	71.44	5.80	0.00	71.44
53.50	-	-	-	71.41	5.80	0.00	71.41
53.55	-	-	-	71.38	5.80	0.00	71.38
53.60	-	-	-	71.35	5.80	0.00	71.35
53.65	-	-	-	71.32	5.80	0.00	71.32
53.70	-	-	-	71.29	5.80	0.00	71.29
53.75	-	-	-	71.26	5.80	0.00	71.26
53.80	-	-	-	71.23	5.80	0.00	71.23
53.85	-	-	-	71.20	5.80	0.00	71.20
53.90	-	-	-	71.17	5.80	0.00	71.17
53.95	-	-	-	71.14	5.80	0.00	71.14
54.00	-	-	-	71.11	5.80	0.00	71.11
54.05	-	-	-	71.08	5.80	0.00	71.08
54.10	-	-	-	71.05	5.80	0.00	71.05
54.15	-	-	-	71.02	5.80	0.00	71.02
54.20	-	-	-	70.99	5.80	0.00	70.99
54.25	-	-	-	70.96	5.80	0.00	70.96
54.30	-	-	-	70.93	5.80	0.00	70.93
54.35	-	-	-	70.90	5.80	0.00	70.90
54.40	-	-	-	70.87	5.80	0.00	70.87
54.45	-	-	-	70.84	5.80	0.00	70.84
54.50	-	-	-	70.81	5.80	0.00	70.81
54.55	-	-	-	70.78	5.80	0.00	70.78
54.60	-	-	-	70.75	5.80	0.00	70.75
54.65	-	-	-	70.72	5.80	0.00	70.72
54.70	-	-	-	70.69	5.80	0.00	70.69
54.75	-	-	-	70.67	5.80	0.00	70.67
54.80	-	-	-	70.64	5.80	0.00	70.64
54.85	-	-	-	70.61	5.80	0.00	70.61
54.90	-	-	-	70.58	5.80	0.00	70.58
54.95	-	-	-	70.55	5.80	0.00	70.55
55.00	-	-	-	70.52	5.80	0.00	70.52

(N1)60s has been fines corrected in liquefaction analysis, therefore d(N1)60=0.
Fines=NoLiq means the soils are not liquefiable.

Settlement of Saturated Sands:
Settlement Analysis Method: Tokimatsu, M-correction

Depth ft	CSRsf	/ MSF*	=CSRm	F.S.	Fines %	(N1)60s	Dr %	ec %	dsz in.	dsp in.	S in.
54.95	0.74	1.30	0.57	0.84	5.80	70.55	100.00	0.000	0.0E0	0.000	0.000
54.90	0.74	1.30	0.57	0.84	5.80	70.58	100.00	0.000	0.0E0	0.000	0.000
54.85	0.74	1.30	0.57	0.84	5.80	70.61	100.00	0.000	0.0E0	0.000	0.000
54.80	0.74	1.30	0.57	0.84	5.80	70.64	100.00	0.000	0.0E0	0.000	0.000
54.75	0.74	1.30	0.57	0.84	5.80	70.67	100.00	0.000	0.0E0	0.000	0.000
54.70	0.74	1.30	0.57	0.84	5.80	70.69	100.00	0.000	0.0E0	0.000	0.000
54.65	0.74	1.30	0.57	0.84	5.80	70.72	100.00	0.000	0.0E0	0.000	0.000
54.60	0.74	1.30	0.57	0.84	5.80	70.75	100.00	0.000	0.0E0	0.000	0.000
54.55	0.74	1.30	0.57	0.83	5.80	70.78	100.00	0.000	0.0E0	0.000	0.000
54.50	0.74	1.30	0.57	0.83	5.80	70.81	100.00	0.000	0.0E0	0.000	0.000
54.45	0.74	1.30	0.57	0.83	5.80	70.84	100.00	0.000	0.0E0	0.000	0.000
54.40	0.74	1.30	0.57	0.83	5.80	70.87	100.00	0.000	0.0E0	0.000	0.000
54.35	0.74	1.30	0.57	0.83	5.80	70.90	100.00	0.000	0.0E0	0.000	0.000
54.30	0.74	1.30	0.57	0.83	5.80	70.93	100.00	0.000	0.0E0	0.000	0.000
54.25	0.74	1.30	0.57	0.83	5.80	70.96	100.00	0.000	0.0E0	0.000	0.000
54.20	0.74	1.30	0.57	0.83	5.80	70.99	100.00	0.000	0.0E0	0.000	0.000
54.15	0.74	1.30	0.57	0.83	5.80	71.02	100.00	0.000	0.0E0	0.000	0.000
54.10	0.75	1.30	0.57	0.83	5.80	71.05	100.00	0.000	0.0E0	0.000	0.000
54.05	0.75	1.30	0.57	0.83	5.80	71.08	100.00	0.000	0.0E0	0.000	0.000
54.00	0.75	1.30	0.57	0.83	5.80	71.11	100.00	0.000	0.0E0	0.000	0.000

53.95	0.75	1.30	0.57	0.83	5.80	71.14	100.00	0.000	0.0E0	0.000	0.000
53.90	0.75	1.30	0.58	0.83	5.80	71.17	100.00	0.000	0.0E0	0.000	0.000
53.85	0.75	1.30	0.58	0.83	5.80	71.20	100.00	0.000	0.0E0	0.000	0.000
53.80	0.75	1.30	0.58	0.83	5.80	71.23	100.00	0.000	0.0E0	0.000	0.000
53.75	0.75	1.30	0.58	0.83	5.80	71.26	100.00	0.000	0.0E0	0.000	0.000
53.70	0.75	1.30	0.58	0.83	5.80	71.29	100.00	0.000	0.0E0	0.000	0.000
53.65	0.75	1.30	0.58	0.83	5.80	71.32	100.00	0.000	0.0E0	0.000	0.000
53.60	0.75	1.30	0.58	0.83	5.80	71.35	100.00	0.000	0.0E0	0.000	0.000
53.55	0.75	1.30	0.58	0.83	5.80	71.38	100.00	0.000	0.0E0	0.000	0.000
53.50	0.75	1.30	0.58	0.83	5.80	71.41	100.00	0.000	0.0E0	0.000	0.000
53.45	0.75	1.30	0.58	0.83	5.80	71.44	100.00	0.000	0.0E0	0.000	0.000
53.40	0.75	1.30	0.58	0.83	5.80	71.47	100.00	0.000	0.0E0	0.000	0.000
53.35	0.75	1.30	0.58	0.83	5.80	71.50	100.00	0.000	0.0E0	0.000	0.000
53.30	0.75	1.30	0.58	0.82	5.80	71.53	100.00	0.000	0.0E0	0.000	0.000
53.25	0.75	1.30	0.58	0.82	5.80	71.57	100.00	0.000	0.0E0	0.000	0.000
53.20	0.75	1.30	0.58	0.82	5.80	71.60	100.00	0.000	0.0E0	0.000	0.000
53.15	0.75	1.30	0.58	0.82	5.80	71.63	100.00	0.000	0.0E0	0.000	0.000
53.10	0.76	1.30	0.58	0.82	5.80	71.66	100.00	0.000	0.0E0	0.000	0.000
53.05	0.76	1.30	0.58	0.82	5.80	71.69	100.00	0.000	0.0E0	0.000	0.000
53.00	0.76	1.30	0.58	0.82	5.80	71.72	100.00	0.000	0.0E0	0.000	0.000
52.95	0.76	1.30	0.58	0.82	5.80	71.75	100.00	0.000	0.0E0	0.000	0.000
52.90	0.76	1.30	0.58	0.82	5.80	71.78	100.00	0.000	0.0E0	0.000	0.000
52.85	0.76	1.30	0.58	0.82	5.80	71.81	100.00	0.000	0.0E0	0.000	0.000
52.80	0.76	1.30	0.58	0.82	5.80	71.84	100.00	0.000	0.0E0	0.000	0.000
52.75	0.76	1.30	0.58	0.82	5.80	71.87	100.00	0.000	0.0E0	0.000	0.000
52.70	0.76	1.30	0.58	0.82	5.80	71.90	100.00	0.000	0.0E0	0.000	0.000
52.65	0.76	1.30	0.58	0.82	5.80	71.93	100.00	0.000	0.0E0	0.000	0.000
52.60	0.76	1.30	0.58	0.82	5.80	71.96	100.00	0.000	0.0E0	0.000	0.000
52.55	0.76	1.30	0.59	0.82	5.80	71.99	100.00	0.000	0.0E0	0.000	0.000
52.50	0.76	1.30	0.59	0.82	5.80	72.02	100.00	0.000	0.0E0	0.000	0.000
52.45	0.76	1.30	0.59	0.82	5.80	72.05	100.00	0.000	0.0E0	0.000	0.000
52.40	0.76	1.30	0.59	0.82	5.80	72.08	100.00	0.000	0.0E0	0.000	0.000
52.35	0.76	1.30	0.59	0.82	5.80	72.11	100.00	0.000	0.0E0	0.000	0.000
52.30	0.76	1.30	0.59	0.82	5.80	72.14	100.00	0.000	0.0E0	0.000	0.000
52.25	0.76	1.30	0.59	0.82	5.80	72.18	100.00	0.000	0.0E0	0.000	0.000
52.20	0.76	1.30	0.59	0.82	5.80	72.21	100.00	0.000	0.0E0	0.000	0.000
52.15	0.76	1.30	0.59	0.82	5.80	72.24	100.00	0.000	0.0E0	0.000	0.000
52.10	0.76	1.30	0.59	0.82	5.80	72.27	100.00	0.000	0.0E0	0.000	0.000
52.05	0.77	1.30	0.59	0.82	5.80	72.30	100.00	0.000	0.0E0	0.000	0.000
52.00	0.77	1.30	0.59	0.81	5.80	72.33	100.00	0.000	0.0E0	0.000	0.000
51.95	0.77	1.30	0.59	0.81	5.80	72.36	100.00	0.000	0.0E0	0.000	0.000
51.90	0.77	1.30	0.59	0.81	5.80	72.39	100.00	0.000	0.0E0	0.000	0.000
51.85	0.77	1.30	0.59	0.81	5.80	72.42	100.00	0.000	0.0E0	0.000	0.000
51.80	0.77	1.30	0.59	0.81	5.80	72.45	100.00	0.000	0.0E0	0.000	0.000
51.75	0.77	1.30	0.59	0.81	5.80	72.48	100.00	0.000	0.0E0	0.000	0.000
51.70	0.77	1.30	0.59	0.81	5.80	72.51	100.00	0.000	0.0E0	0.000	0.000
51.65	0.77	1.30	0.59	0.81	5.80	72.54	100.00	0.000	0.0E0	0.000	0.000
51.60	0.77	1.30	0.59	0.81	5.80	72.58	100.00	0.000	0.0E0	0.000	0.000
51.55	0.77	1.30	0.59	0.81	5.80	72.61	100.00	0.000	0.0E0	0.000	0.000
51.50	0.77	1.30	0.59	0.81	5.80	72.64	100.00	0.000	0.0E0	0.000	0.000
51.45	0.77	1.30	0.59	0.81	5.80	72.67	100.00	0.000	0.0E0	0.000	0.000
51.40	0.77	1.30	0.59	0.81	5.80	72.70	100.00	0.000	0.0E0	0.000	0.000
51.35	0.77	1.30	0.59	0.81	5.80	72.73	100.00	0.000	0.0E0	0.000	0.000
51.30	0.77	1.30	0.59	0.81	5.80	72.76	100.00	0.000	0.0E0	0.000	0.000
51.25	0.77	1.30	0.59	0.81	5.80	72.79	100.00	0.000	0.0E0	0.000	0.000
51.20	0.77	1.30	0.60	0.81	5.80	72.82	100.00	0.000	0.0E0	0.000	0.000
51.15	0.77	1.30	0.60	0.81	5.80	72.86	100.00	0.000	0.0E0	0.000	0.000
51.10	0.77	1.30	0.60	0.81	5.80	72.89	100.00	0.000	0.0E0	0.000	0.000
51.05	0.77	1.30	0.60	0.81	5.80	72.92	100.00	0.000	0.0E0	0.000	0.000
51.00	0.78	1.30	0.60	0.81	5.80	72.95	100.00	0.000	0.0E0	0.000	0.000
50.95	0.78	1.30	0.60	0.81	5.80	72.98	100.00	0.000	0.0E0	0.000	0.000
50.90	0.78	1.30	0.60	0.81	5.80	73.01	100.00	0.000	0.0E0	0.000	0.000
50.85	0.78	1.30	0.60	0.81	5.80	73.04	100.00	0.000	0.0E0	0.000	0.000
50.80	0.78	1.30	0.60	0.81	5.80	73.07	100.00	0.000	0.0E0	0.000	0.000
50.75	0.78	1.30	0.60	0.81	5.80	73.11	100.00	0.000	0.0E0	0.000	0.000
50.70	0.78	1.30	0.60	0.81	5.80	73.14	100.00	0.000	0.0E0	0.000	0.000
50.65	0.78	1.30	0.60	0.80	5.80	73.17	100.00	0.000	0.0E0	0.000	0.000
50.60	0.78	1.30	0.60	0.80	5.80	73.20	100.00	0.000	0.0E0	0.000	0.000
50.55	0.78	1.30	0.60	0.80	5.80	73.23	100.00	0.000	0.0E0	0.000	0.000
50.50	0.78	1.30	0.60	0.80	5.80	73.26	100.00	0.000	0.0E0	0.000	0.000
50.45	0.78	1.30	0.60	0.80	5.80	73.29	100.00	0.000	0.0E0	0.000	0.000
50.40	0.78	1.30	0.60	0.80	5.80	73.32	100.00	0.000	0.0E0	0.000	0.000
50.35	0.78	1.30	0.60	0.80	5.80	73.36	100.00	0.000	0.0E0	0.000	0.000

50.30	0.78	1.30	0.60	0.80	5.80	73.39	100.00	0.000	0.0E0	0.000	0.000
50.25	0.78	1.30	0.60	0.80	5.80	73.42	100.00	0.000	0.0E0	0.000	0.000
50.20	0.78	1.30	0.60	0.80	5.80	73.45	100.00	0.000	0.0E0	0.000	0.000
50.15	0.78	1.30	0.60	0.80	5.80	73.48	100.00	0.000	0.0E0	0.000	0.000
50.10	0.78	1.30	0.60	0.80	5.80	73.51	100.00	0.000	0.0E0	0.000	0.000
50.05	0.78	1.30	0.60	0.80	5.80	73.55	100.00	0.000	0.0E0	0.000	0.000
50.00	0.79	1.30	0.60	0.80	5.80	73.57	100.00	0.000	0.0E0	0.000	0.000
49.95	0.79	1.30	0.60	0.80	5.80	73.05	100.00	0.000	0.0E0	0.000	0.000
49.90	0.79	1.30	0.60	0.80	5.80	72.53	100.00	0.000	0.0E0	0.000	0.000
49.85	0.79	1.30	0.61	0.80	5.80	72.01	100.00	0.000	0.0E0	0.000	0.000
49.80	0.79	1.30	0.61	0.80	5.80	71.49	100.00	0.000	0.0E0	0.000	0.000
49.75	0.79	1.30	0.61	0.80	5.80	70.97	100.00	0.000	0.0E0	0.000	0.000
49.70	0.79	1.30	0.61	0.80	5.80	70.44	100.00	0.000	0.0E0	0.000	0.000
49.65	0.79	1.30	0.61	0.80	5.80	69.92	100.00	0.000	0.0E0	0.000	0.000
49.60	0.79	1.30	0.61	0.80	5.80	69.40	100.00	0.000	0.0E0	0.000	0.000
49.55	0.79	1.30	0.61	0.80	5.80	68.87	100.00	0.000	0.0E0	0.000	0.000
49.50	0.79	1.30	0.61	0.80	5.80	68.35	100.00	0.000	0.0E0	0.000	0.000
49.45	0.79	1.30	0.61	0.80	5.80	67.82	100.00	0.000	0.0E0	0.000	0.000
49.40	0.79	1.30	0.61	0.80	5.80	67.30	100.00	0.000	0.0E0	0.000	0.000
49.35	0.79	1.30	0.61	0.80	5.80	66.77	100.00	0.000	0.0E0	0.000	0.000
49.30	0.79	1.30	0.61	0.80	5.80	66.25	100.00	0.000	0.0E0	0.000	0.000
49.25	0.79	1.30	0.61	0.79	5.80	65.72	100.00	0.000	0.0E0	0.000	0.000
49.20	0.79	1.30	0.61	0.79	5.80	65.19	100.00	0.000	0.0E0	0.000	0.000
49.15	0.79	1.30	0.61	0.79	5.80	64.67	100.00	0.000	0.0E0	0.000	0.000
49.10	0.79	1.30	0.61	0.79	5.80	64.14	100.00	0.000	0.0E0	0.000	0.000
49.05	0.79	1.30	0.61	0.79	5.80	63.61	100.00	0.000	0.0E0	0.000	0.000
49.00	0.79	1.30	0.61	0.79	5.80	63.08	100.00	0.000	0.0E0	0.000	0.000
48.95	0.80	1.30	0.61	0.79	5.80	62.55	100.00	0.000	0.0E0	0.000	0.000
48.90	0.80	1.30	0.61	0.79	5.80	62.02	100.00	0.000	0.0E0	0.000	0.000
48.85	0.80	1.30	0.61	0.79	5.80	61.49	100.00	0.000	0.0E0	0.000	0.000
48.80	0.80	1.30	0.61	0.79	5.80	60.96	100.00	0.000	0.0E0	0.000	0.000
48.75	0.80	1.30	0.61	0.79	5.80	60.43	100.00	0.000	0.0E0	0.000	0.000
48.70	0.80	1.30	0.61	0.79	5.80	59.90	100.00	0.000	0.0E0	0.000	0.000
48.65	0.80	1.30	0.61	0.79	5.80	59.37	100.00	0.000	0.0E0	0.000	0.000
48.60	0.80	1.30	0.61	0.79	5.80	58.84	100.00	0.000	0.0E0	0.000	0.000
48.55	0.80	1.30	0.61	0.79	5.80	58.30	100.00	0.000	0.0E0	0.000	0.000
48.50	0.80	1.30	0.62	0.79	5.80	57.77	100.00	0.000	0.0E0	0.000	0.000
48.45	0.80	1.30	0.62	0.79	5.80	57.24	100.00	0.000	0.0E0	0.000	0.000
48.40	0.80	1.30	0.62	0.79	5.80	56.70	100.00	0.000	0.0E0	0.000	0.000
48.35	0.80	1.30	0.62	0.79	5.80	56.17	100.00	0.000	0.0E0	0.000	0.000
48.30	0.80	1.30	0.62	0.79	5.80	55.63	100.00	0.000	0.0E0	0.000	0.000
48.25	0.80	1.30	0.62	0.79	5.80	55.10	100.00	0.000	0.0E0	0.000	0.000
48.20	0.80	1.30	0.62	0.79	5.80	54.56	100.00	0.000	0.0E0	0.000	0.000
48.15	0.80	1.30	0.62	0.79	5.80	54.03	100.00	0.000	0.0E0	0.000	0.000
48.10	0.80	1.30	0.62	0.79	5.80	53.49	100.00	0.000	0.0E0	0.000	0.000
48.05	0.80	1.30	0.62	0.79	5.80	52.95	100.00	0.000	0.0E0	0.000	0.000
48.00	0.80	1.30	0.62	0.79	5.80	52.41	100.00	0.000	0.0E0	0.000	0.000
47.95	0.80	1.30	0.62	0.79	5.80	51.88	100.00	0.000	0.0E0	0.000	0.000
47.90	0.81	1.30	0.62	0.79	5.80	51.34	100.00	0.000	0.0E0	0.000	0.000
47.85	0.81	1.30	0.62	0.78	5.80	50.80	100.00	0.000	0.0E0	0.000	0.000
47.80	0.81	1.30	0.62	0.78	5.80	50.26	100.00	0.000	0.0E0	0.000	0.000
47.75	0.81	1.30	0.62	0.78	5.80	49.72	100.00	0.000	0.0E0	0.000	0.000
47.70	0.81	1.30	0.62	0.78	5.80	49.18	100.00	0.000	0.0E0	0.000	0.000
47.65	0.81	1.30	0.62	0.78	5.80	48.64	100.00	0.000	0.0E0	0.000	0.000
47.60	0.81	1.30	0.62	0.78	5.80	48.09	100.00	0.000	0.0E0	0.000	0.000
47.55	0.81	1.30	0.62	0.78	5.80	47.55	100.00	0.000	0.0E0	0.000	0.000
47.50	0.81	1.30	0.62	0.78	5.80	47.01	100.00	0.000	0.0E0	0.000	0.000
47.45	0.81	1.30	0.62	0.78	5.80	46.47	100.00	0.000	0.0E0	0.000	0.000
47.40	0.81	1.30	0.62	0.78	5.80	45.92	100.00	0.000	0.0E0	0.000	0.000
47.35	0.81	1.30	0.62	0.78	5.80	45.38	100.00	0.000	0.0E0	0.000	0.000
47.30	0.81	1.30	0.62	0.78	5.80	44.83	100.00	0.000	0.0E0	0.000	0.000
47.25	0.81	1.30	0.62	0.78	5.80	44.29	100.00	0.000	0.0E0	0.000	0.000
47.20	0.81	1.30	0.63	0.78	5.80	43.74	100.00	0.000	0.0E0	0.000	0.000
47.15	0.81	1.30	0.63	0.78	5.80	43.20	100.00	0.000	0.0E0	0.000	0.000
47.10	0.81	1.30	0.63	0.78	5.80	42.65	100.00	0.000	0.0E0	0.000	0.000
47.05	0.81	1.30	0.63	0.78	5.80	42.10	100.00	0.000	0.0E0	0.000	0.000
47.00	0.81	1.30	0.63	0.78	5.80	41.56	100.00	0.000	0.0E0	0.000	0.000
46.95	0.81	1.30	0.63	0.78	5.80	41.01	100.00	0.000	0.0E0	0.000	0.000
46.90	0.82	1.30	0.63	0.78	5.80	40.46	100.00	0.000	0.0E0	0.000	0.000
46.85	0.82	1.30	0.63	0.78	5.80	39.91	100.00	0.000	0.0E0	0.000	0.000
46.80	0.82	1.30	0.63	0.78	5.80	39.36	100.00	0.000	0.0E0	0.000	0.000
46.75	0.82	1.30	0.63	0.78	5.80	38.81	100.00	0.000	0.0E0	0.000	0.000
46.70	0.82	1.30	0.63	0.78	5.80	38.26	100.00	0.000	0.0E0	0.000	0.000

46.65	0.82	1.30	0.63	0.78	5.80	37.71	100.00	0.000	0.0E0	0.000	0.000
46.60	0.82	1.30	0.63	0.78	5.80	37.16	100.00	0.000	0.0E0	0.000	0.000
46.55	0.82	1.30	0.63	0.78	5.80	36.61	100.00	0.000	0.0E0	0.000	0.000
46.50	0.82	1.30	0.63	0.78	5.80	36.06	100.00	0.118	7.1E-4	0.001	0.001
46.45	0.82	1.30	0.63	0.78	5.80	35.50	100.00	0.135	8.1E-4	0.001	0.002
46.40	0.82	1.30	0.63	0.77	5.80	34.95	100.00	0.153	9.2E-4	0.001	0.002
46.35	0.82	1.30	0.63	0.77	5.80	34.40	100.00	0.171	1.0E-3	0.001	0.003
46.30	0.82	1.30	0.63	0.77	5.80	33.84	99.47	0.189	1.1E-3	0.001	0.005
46.25	0.82	1.30	0.63	0.77	5.80	33.29	98.01	0.242	1.4E-3	0.001	0.006
46.20	0.82	1.30	0.63	0.77	5.80	32.73	96.59	0.349	2.1E-3	0.002	0.008
46.15	0.82	1.30	0.63	0.77	5.80	32.18	95.20	0.457	2.7E-3	0.003	0.011
46.10	0.82	1.30	0.63	0.77	5.80	31.62	93.84	0.543	3.3E-3	0.003	0.014
46.05	0.82	1.30	0.63	0.77	5.80	31.06	92.51	0.614	3.7E-3	0.004	0.018
46.00	0.82	1.30	0.63	0.77	5.80	30.51	91.21	0.685	4.1E-3	0.004	0.022
45.95	0.82	1.30	0.63	0.69	5.80	29.95	89.94	0.756	4.5E-3	0.005	0.026
45.90	0.83	1.30	0.64	0.61	5.80	29.39	88.69	0.827	5.0E-3	0.005	0.031
45.85	0.83	1.30	0.64	0.57	5.80	28.83	87.48	0.899	5.4E-3	0.005	0.037
45.80	0.83	1.30	0.64	0.54	5.80	28.27	86.28	0.970	5.8E-3	0.006	0.043
45.75	0.83	1.30	0.64	0.52	5.80	27.71	85.11	1.020	6.1E-3	0.006	0.049
45.70	0.83	1.30	0.64	0.50	5.80	27.15	83.96	1.055	6.3E-3	0.006	0.055
45.65	0.83	1.30	0.64	0.48	5.80	26.59	82.83	1.090	6.5E-3	0.007	0.062
45.60	0.83	1.30	0.64	0.46	5.80	26.03	81.71	1.125	6.8E-3	0.007	0.068
45.55	0.83	1.30	0.64	0.45	5.80	25.47	80.62	1.160	7.0E-3	0.007	0.075
45.50	0.83	1.30	0.64	0.43	5.80	24.90	79.53	1.196	7.2E-3	0.007	0.083
45.45	0.83	1.30	0.64	0.42	5.80	24.34	78.47	1.231	7.4E-3	0.007	0.090
45.40	0.83	1.30	0.64	0.41	5.80	23.78	77.41	1.266	7.6E-3	0.008	0.098
45.35	0.83	1.30	0.64	0.39	5.80	23.21	76.37	1.301	7.8E-3	0.008	0.105
45.30	0.83	1.30	0.64	0.38	5.80	22.65	75.33	1.336	8.0E-3	0.008	0.113
45.25	0.83	1.30	0.64	0.37	5.80	22.08	74.30	1.372	8.2E-3	0.008	0.122
45.20	0.83	1.30	0.64	0.36	5.80	21.52	73.27	1.407	8.4E-3	0.008	0.130
45.15	0.83	1.30	0.64	0.35	5.80	20.95	72.25	1.442	8.7E-3	0.009	0.139
45.10	0.83	1.30	0.64	0.34	5.80	20.39	71.23	1.478	8.9E-3	0.009	0.148
45.05	0.83	1.30	0.64	0.33	5.80	19.82	70.21	1.518	9.1E-3	0.009	0.157
45.00	0.83	1.30	0.64	0.32	5.81	19.26	69.20	1.565	9.4E-3	0.009	0.166
44.95	0.83	1.30	0.64	0.32	6.76	19.40	69.46	1.553	9.3E-3	0.009	0.175
44.90	0.84	1.30	0.64	0.32	7.71	19.63	69.88	1.533	9.2E-3	0.009	0.185
44.85	0.84	1.30	0.64	0.33	8.66	19.95	70.44	1.507	9.0E-3	0.009	0.194
44.80	0.84	1.30	0.64	0.34	9.62	20.32	71.11	1.482	8.9E-3	0.009	0.202
44.75	0.84	1.30	0.64	0.34	10.57	20.73	71.86	1.456	8.7E-3	0.009	0.211
44.70	0.84	1.30	0.64	0.35	11.52	21.16	72.63	1.429	8.6E-3	0.009	0.220
44.65	0.84	1.30	0.64	0.36	12.47	21.59	73.40	1.403	8.4E-3	0.008	0.228
44.60	0.84	1.30	0.65	0.37	13.42	22.01	74.16	1.376	8.3E-3	0.008	0.236
44.55	0.84	1.30	0.65	0.37	14.38	22.41	74.90	1.351	8.1E-3	0.008	0.245
44.50	0.84	1.30	0.65	0.38	15.33	22.80	75.61	1.327	8.0E-3	0.008	0.253
44.45	0.84	1.30	0.65	0.39	16.28	23.17	76.28	1.304	7.8E-3	0.008	0.260
44.40	0.84	1.30	0.65	0.40	17.23	23.52	76.93	1.282	7.7E-3	0.008	0.268
44.35	0.84	1.30	0.65	0.40	18.18	23.85	77.55	1.261	7.6E-3	0.008	0.276
44.30	0.84	1.30	0.65	0.41	19.14	24.17	78.14	1.242	7.5E-3	0.007	0.283
44.25	0.84	1.30	0.65	0.42	20.09	24.47	78.71	1.223	7.3E-3	0.007	0.290
44.20	0.84	1.30	0.65	0.42	21.04	24.76	79.26	1.205	7.2E-3	0.007	0.298
44.15	0.84	1.30	0.65	0.43	21.99	25.04	79.79	1.187	7.1E-3	0.007	0.305
44.10	0.84	1.30	0.65	0.44	22.94	25.30	80.30	1.171	7.0E-3	0.007	0.312
44.05	0.84	1.30	0.65	0.44	23.90	25.56	80.80	1.154	6.9E-3	0.007	0.319
44.00	0.84	1.30	0.65	0.45	24.85	25.81	81.29	1.139	6.8E-3	0.007	0.326
43.95	0.84	1.30	0.65	0.46	25.80	26.06	81.77	1.123	6.7E-3	0.007	0.332
43.90	0.85	1.30	0.65	0.46	26.75	26.30	82.25	1.108	6.7E-3	0.007	0.339
43.85	0.85	1.30	0.65	0.47	27.70	26.54	82.72	1.094	6.6E-3	0.007	0.345
43.80	0.85	1.30	0.65	0.48	28.66	26.77	83.18	1.079	6.5E-3	0.006	0.352
43.75	0.85	1.30	0.65	0.48	29.61	26.99	83.64	1.065	6.4E-3	0.006	0.358
43.70	0.85	1.30	0.65	0.49	30.56	27.22	84.10	1.051	6.3E-3	0.006	0.365
43.65	0.85	1.30	0.65	0.50	31.51	27.44	84.55	1.037	6.2E-3	0.006	0.371
43.60	0.85	1.30	0.65	0.51	32.46	27.66	85.01	1.023	6.1E-3	0.006	0.377
43.55	0.85	1.30	0.65	0.51	33.42	27.88	85.46	1.010	6.1E-3	0.006	0.383
43.50	0.85	1.30	0.65	0.52	34.37	28.10	85.92	0.992	5.9E-3	0.006	0.389
43.45	0.85	1.30	0.65	0.53	35.32	28.33	86.40	0.963	5.8E-3	0.006	0.395
43.40	0.85	1.30	0.65	0.53	36.27	28.34	86.42	0.961	5.8E-3	0.006	0.401
43.35	0.85	1.30	0.65	0.53	37.22	28.35	86.45	0.960	5.8E-3	0.006	0.406
43.30	0.85	1.30	0.66	0.53	38.18	28.36	86.47	0.958	5.8E-3	0.006	0.412
43.25	0.85	1.30	0.66	0.53	39.13	28.37	86.49	0.957	5.7E-3	0.006	0.418
43.20	0.85	1.30	0.66	0.53	40.08	28.38	86.52	0.956	5.7E-3	0.006	0.424
43.15	0.85	1.30	0.66	0.53	41.03	28.39	86.54	0.954	5.7E-3	0.006	0.429
43.10	0.85	1.30	0.66	0.53	41.98	28.40	86.56	0.953	5.7E-3	0.006	0.435
43.05	0.85	1.30	0.66	0.53	42.94	28.42	86.59	0.951	5.7E-3	0.006	0.441

43.00	0.85	1.30	0.66	0.53	43.89	28.43	86.61	0.950	5.7E-3	0.006	0.446
42.95	0.85	1.30	0.66	0.53	44.84	28.44	86.63	0.949	5.7E-3	0.006	0.452
42.90	0.86	1.30	0.66	0.53	45.79	28.45	86.66	0.947	5.7E-3	0.006	0.458
42.85	0.86	1.30	0.66	0.54	46.74	28.46	86.68	0.946	5.7E-3	0.006	0.463
42.80	0.86	1.30	0.66	0.54	47.70	28.47	86.70	0.944	5.7E-3	0.006	0.469
42.75	0.86	1.30	0.66	0.54	48.65	28.48	86.73	0.943	5.7E-3	0.006	0.475
42.70	0.86	1.30	0.66	0.54	49.60	28.49	86.75	0.942	5.6E-3	0.006	0.480
42.65	0.86	1.30	0.66	0.54	50.55	28.50	86.78	0.940	5.6E-3	0.006	0.486
42.60	0.86	1.30	0.66	0.54	51.50	28.52	86.80	0.939	5.6E-3	0.006	0.492
42.55	0.86	1.30	0.66	0.54	52.46	28.53	86.82	0.937	5.6E-3	0.006	0.497
42.50	0.86	1.30	0.66	0.54	53.41	28.54	86.85	0.936	5.6E-3	0.006	0.503
42.45	0.86	1.30	0.66	0.54	54.36	28.55	86.87	0.934	5.6E-3	0.006	0.509
42.40	0.86	1.30	0.66	0.54	55.31	28.56	86.89	0.933	5.6E-3	0.006	0.514
42.35	0.86	1.30	0.66	0.54	56.26	28.57	86.92	0.932	5.6E-3	0.006	0.520
42.30	0.86	1.30	0.66	0.54	57.22	28.58	86.94	0.930	5.6E-3	0.006	0.525
42.25	0.86	1.30	0.66	0.54	58.17	28.59	86.96	0.929	5.6E-3	0.006	0.531
42.20	0.86	1.30	0.66	0.54	59.12	28.60	86.99	0.927	5.6E-3	0.006	0.536
42.15	0.86	1.30	0.66	0.54	60.07	28.61	87.01	0.926	5.6E-3	0.006	0.542
42.10	0.86	1.30	0.66	0.54	61.02	28.63	87.04	0.925	5.5E-3	0.006	0.548
42.05	0.86	1.30	0.66	0.54	61.98	28.64	87.06	0.923	5.5E-3	0.006	0.553
42.00	0.86	1.30	0.67	0.54	62.93	28.65	87.08	0.922	5.5E-3	0.006	0.559
41.95	0.86	1.30	0.67	0.54	63.88	28.66	87.11	0.920	5.5E-3	0.006	0.564
41.90	0.87	1.30	0.67	0.54	64.83	28.67	87.13	0.919	5.5E-3	0.006	0.570
41.85	0.87	1.30	0.67	0.54	65.78	28.68	87.15	0.918	5.5E-3	0.006	0.575
41.80	0.87	1.30	0.67	0.54	66.74	28.69	87.18	0.916	5.5E-3	0.005	0.581
41.75	0.87	1.30	0.67	0.54	67.69	28.70	87.20	0.915	5.5E-3	0.005	0.586
41.70	0.87	1.30	0.67	0.54	68.64	28.71	87.23	0.913	5.5E-3	0.005	0.592
41.65	0.87	1.30	0.67	0.54	69.59	28.73	87.25	0.912	5.5E-3	0.005	0.597
41.60	0.87	1.30	0.67	0.54	70.54	28.74	87.27	0.910	5.5E-3	0.005	0.603
41.55	0.87	1.30	0.67	0.54	71.49	28.75	87.30	0.909	5.5E-3	0.005	0.608
41.50	0.87	1.30	0.67	0.54	72.45	28.76	87.32	0.908	5.4E-3	0.005	0.613
41.45	0.87	1.30	0.67	0.54	73.40	28.77	87.35	0.906	5.4E-3	0.005	0.619
41.40	0.87	1.30	0.67	0.54	74.35	28.78	87.37	0.905	5.4E-3	0.005	0.624
41.35	0.87	1.30	0.67	0.54	75.30	28.79	87.39	0.903	5.4E-3	0.005	0.630
41.30	0.87	1.30	0.67	0.55	76.25	28.80	87.42	0.902	5.4E-3	0.005	0.635
41.25	0.87	1.30	0.67	0.55	77.21	28.81	87.44	0.900	5.4E-3	0.005	0.641
41.20	0.87	1.30	0.67	0.55	78.16	28.83	87.47	0.899	5.4E-3	0.005	0.646
41.15	0.87	1.30	0.67	0.55	79.11	28.84	87.49	0.898	5.4E-3	0.005	0.651
41.10	0.87	1.30	0.67	0.55	80.06	28.85	87.51	0.896	5.4E-3	0.005	0.657
41.05	0.87	1.30	0.67	0.55	81.01	28.86	87.54	0.895	5.4E-3	0.005	0.662
41.00	0.87	1.30	0.67	0.55	81.97	28.87	87.56	0.893	5.4E-3	0.005	0.667
40.95	0.87	1.30	0.67	0.55	82.92	28.88	87.59	0.892	5.4E-3	0.005	0.673
40.90	0.87	1.30	0.67	0.55	83.87	28.89	87.61	0.891	5.3E-3	0.005	0.678
40.85	0.88	1.30	0.67	0.55	84.82	28.90	87.64	0.889	5.3E-3	0.005	0.683
40.80	0.88	1.30	0.67	0.55	85.77	28.92	87.66	0.888	5.3E-3	0.005	0.689
40.75	0.88	1.30	0.67	0.55	86.73	28.93	87.68	0.886	5.3E-3	0.005	0.694
40.70	0.88	1.30	0.67	0.55	87.68	28.94	87.71	0.885	5.3E-3	0.005	0.699
40.65	0.88	1.30	0.68	0.55	88.63	28.95	87.73	0.883	5.3E-3	0.005	0.705
40.60	0.88	1.30	0.68	0.55	89.58	28.96	87.76	0.882	5.3E-3	0.005	0.710
40.55	0.88	1.30	0.68	0.55	90.53	28.97	87.78	0.881	5.3E-3	0.005	0.715
40.50	0.88	1.30	0.68	0.55	91.49	28.98	87.81	0.879	5.3E-3	0.005	0.721
40.45	0.88	1.30	0.68	0.55	92.44	28.99	87.83	0.878	5.3E-3	0.005	0.726
40.40	0.88	1.30	0.68	0.55	93.39	29.01	87.85	0.876	5.3E-3	0.005	0.731
40.35	0.88	1.30	0.68	0.55	94.34	29.02	87.88	0.875	5.2E-3	0.005	0.736
40.30	0.88	1.30	0.68	0.55	95.29	29.03	87.90	0.873	5.2E-3	0.005	0.742
40.25	0.88	1.30	0.68	0.55	96.25	29.04	87.93	0.872	5.2E-3	0.005	0.747
40.20	0.88	1.30	0.68	0.55	97.20	29.05	87.95	0.870	5.2E-3	0.005	0.752
40.15	0.88	1.30	0.68	0.56	98.15	29.06	87.98	0.869	5.2E-3	0.005	0.757
40.10	0.88	1.30	0.68	0.56	99.10	29.07	88.00	0.868	5.2E-3	0.005	0.762
40.05	0.88	1.30	0.68	0.56	NoLiq	29.08	88.03	0.866	0.0E0	0.000	0.762
40.00	0.88	1.30	0.68	5.00	NoLiq	29.10	88.05	0.865	0.0E0	0.000	0.762
39.95	0.88	1.30	0.68	5.00	NoLiq	29.03	87.91	0.873	0.0E0	0.000	0.762
39.90	0.88	1.30	0.68	5.00	NoLiq	28.97	87.78	0.881	0.0E0	0.000	0.762
39.85	0.88	1.30	0.68	5.00	NoLiq	28.91	87.64	0.889	0.0E0	0.000	0.762
39.80	0.89	1.30	0.68	5.00	NoLiq	28.84	87.50	0.897	0.0E0	0.000	0.762
39.75	0.89	1.30	0.68	5.00	NoLiq	28.78	87.37	0.905	0.0E0	0.000	0.762
39.70	0.89	1.30	0.68	5.00	NoLiq	28.72	87.23	0.913	0.0E0	0.000	0.762
39.65	0.89	1.30	0.68	5.00	NoLiq	28.65	87.10	0.921	0.0E0	0.000	0.762
39.60	0.89	1.30	0.68	5.00	NoLiq	28.59	86.96	0.929	0.0E0	0.000	0.762
39.55	0.89	1.30	0.68	5.00	NoLiq	28.53	86.82	0.937	0.0E0	0.000	0.762
39.50	0.89	1.30	0.68	5.00	NoLiq	28.46	86.69	0.945	0.0E0	0.000	0.762
39.45	0.89	1.30	0.68	5.00	NoLiq	28.40	86.55	0.953	0.0E0	0.000	0.762
39.40	0.89	1.30	0.68	5.00	NoLiq	28.34	86.42	0.961	0.0E0	0.000	0.762

39.35	0.89	1.30	0.68	5.00	NoLiq	28.27	86.28	0.970	0.0E0	0.000	0.762
39.30	0.89	1.30	0.69	5.00	NoLiq	28.21	86.15	0.978	0.0E0	0.000	0.762
39.25	0.89	1.30	0.69	5.00	NoLiq	28.15	86.02	0.986	0.0E0	0.000	0.762
39.20	0.89	1.30	0.69	5.00	NoLiq	28.08	85.88	0.994	0.0E0	0.000	0.762
39.15	0.89	1.30	0.69	5.00	NoLiq	28.02	85.75	1.001	0.0E0	0.000	0.762
39.10	0.89	1.30	0.69	5.00	NoLiq	27.95	85.61	1.005	0.0E0	0.000	0.762
39.05	0.89	1.30	0.69	5.00	NoLiq	27.89	85.48	1.009	0.0E0	0.000	0.762
39.00	0.89	1.30	0.69	5.00	NoLiq	27.83	85.35	1.013	0.0E0	0.000	0.762
38.95	0.89	1.30	0.69	5.00	NoLiq	27.76	85.21	1.017	0.0E0	0.000	0.762
38.90	0.89	1.30	0.69	5.00	NoLiq	27.70	85.08	1.021	0.0E0	0.000	0.762
38.85	0.89	1.30	0.69	5.00	NoLiq	27.63	84.95	1.025	0.0E0	0.000	0.762
38.80	0.89	1.30	0.69	5.00	NoLiq	27.57	84.82	1.029	0.0E0	0.000	0.762
38.75	0.90	1.30	0.69	5.00	NoLiq	27.51	84.68	1.033	0.0E0	0.000	0.762
38.70	0.90	1.30	0.69	5.00	NoLiq	27.44	84.55	1.037	0.0E0	0.000	0.762
38.65	0.90	1.30	0.69	5.00	NoLiq	27.38	84.42	1.041	0.0E0	0.000	0.762
38.60	0.90	1.30	0.69	5.00	NoLiq	27.31	84.29	1.045	0.0E0	0.000	0.762
38.55	0.90	1.30	0.69	5.00	NoLiq	27.25	84.15	1.049	0.0E0	0.000	0.762
38.50	0.90	1.30	0.69	5.00	NoLiq	27.18	84.02	1.053	0.0E0	0.000	0.762
38.45	0.90	1.30	0.69	5.00	NoLiq	27.12	83.89	1.057	0.0E0	0.000	0.762
38.40	0.90	1.30	0.69	5.00	NoLiq	27.05	83.76	1.061	0.0E0	0.000	0.762
38.35	0.90	1.30	0.69	5.00	NoLiq	26.99	83.63	1.065	0.0E0	0.000	0.762
38.30	0.90	1.30	0.69	5.00	NoLiq	26.92	83.50	1.069	0.0E0	0.000	0.762
38.25	0.90	1.30	0.69	5.00	NoLiq	26.86	83.37	1.073	0.0E0	0.000	0.762
38.20	0.90	1.30	0.69	5.00	NoLiq	26.79	83.24	1.077	0.0E0	0.000	0.762
38.15	0.90	1.30	0.69	5.00	NoLiq	26.73	83.11	1.082	0.0E0	0.000	0.762
38.10	0.90	1.30	0.69	5.00	NoLiq	26.66	82.97	1.086	0.0E0	0.000	0.762
38.05	0.90	1.30	0.69	5.00	NoLiq	26.60	82.84	1.090	0.0E0	0.000	0.762
38.00	0.90	1.30	0.69	5.00	NoLiq	26.53	82.71	1.094	0.0E0	0.000	0.762
37.95	0.90	1.30	0.69	5.00	NoLiq	26.47	82.58	1.098	0.0E0	0.000	0.762
37.90	0.90	1.30	0.70	5.00	NoLiq	26.40	82.45	1.102	0.0E0	0.000	0.762
37.85	0.90	1.30	0.70	5.00	NoLiq	26.34	82.32	1.106	0.0E0	0.000	0.762
37.80	0.90	1.30	0.70	5.00	NoLiq	26.27	82.19	1.110	0.0E0	0.000	0.762
37.75	0.90	1.30	0.70	5.00	NoLiq	26.21	82.06	1.114	0.0E0	0.000	0.762
37.70	0.91	1.30	0.70	5.00	NoLiq	26.14	81.94	1.118	0.0E0	0.000	0.762
37.65	0.91	1.30	0.70	5.00	NoLiq	26.08	81.81	1.122	0.0E0	0.000	0.762
37.60	0.91	1.30	0.70	5.00	NoLiq	26.01	81.68	1.126	0.0E0	0.000	0.762
37.55	0.91	1.30	0.70	5.00	NoLiq	25.94	81.55	1.131	0.0E0	0.000	0.762
37.50	0.91	1.30	0.70	5.00	NoLiq	25.88	81.42	1.135	0.0E0	0.000	0.762
37.45	0.91	1.30	0.70	5.00	NoLiq	25.81	81.29	1.139	0.0E0	0.000	0.762
37.40	0.91	1.30	0.70	5.00	NoLiq	25.75	81.16	1.143	0.0E0	0.000	0.762
37.35	0.91	1.30	0.70	5.00	NoLiq	25.68	81.03	1.147	0.0E0	0.000	0.762
37.30	0.91	1.30	0.70	5.00	NoLiq	25.61	80.90	1.151	0.0E0	0.000	0.762
37.25	0.91	1.30	0.70	5.00	NoLiq	25.55	80.78	1.155	0.0E0	0.000	0.762
37.20	0.91	1.30	0.70	5.00	NoLiq	25.48	80.65	1.159	0.0E0	0.000	0.762
37.15	0.91	1.30	0.70	5.00	NoLiq	25.42	80.52	1.164	0.0E0	0.000	0.762
37.10	0.91	1.30	0.70	5.00	NoLiq	25.35	80.39	1.168	0.0E0	0.000	0.762
37.05	0.91	1.30	0.70	5.00	NoLiq	25.28	80.26	1.172	0.0E0	0.000	0.762
37.00	0.91	1.30	0.70	5.00	NoLiq	25.22	80.13	1.176	0.0E0	0.000	0.762
36.95	0.91	1.30	0.70	5.00	NoLiq	25.15	80.01	1.180	0.0E0	0.000	0.762
36.90	0.91	1.30	0.70	5.00	NoLiq	25.08	79.88	1.184	0.0E0	0.000	0.762
36.85	0.91	1.30	0.70	5.00	NoLiq	25.02	79.75	1.188	0.0E0	0.000	0.762
36.80	0.91	1.30	0.70	5.00	NoLiq	24.95	79.62	1.193	0.0E0	0.000	0.762
36.75	0.91	1.30	0.70	5.00	NoLiq	24.88	79.50	1.197	0.0E0	0.000	0.762
36.70	0.91	1.30	0.70	5.00	NoLiq	24.82	79.37	1.201	0.0E0	0.000	0.762
36.65	0.92	1.30	0.70	5.00	NoLiq	24.75	79.24	1.205	0.0E0	0.000	0.762
36.60	0.92	1.30	0.70	5.00	NoLiq	24.68	79.11	1.209	0.0E0	0.000	0.762
36.55	0.92	1.30	0.71	5.00	NoLiq	24.62	78.99	1.214	0.0E0	0.000	0.762
36.50	0.92	1.30	0.71	5.00	NoLiq	24.55	78.86	1.218	0.0E0	0.000	0.762
36.45	0.92	1.30	0.71	5.00	NoLiq	24.48	78.73	1.222	0.0E0	0.000	0.762
36.40	0.92	1.30	0.71	5.00	NoLiq	24.41	78.61	1.226	0.0E0	0.000	0.762
36.35	0.92	1.30	0.71	5.00	NoLiq	24.35	78.48	1.230	0.0E0	0.000	0.762
36.30	0.92	1.30	0.71	5.00	NoLiq	24.28	78.35	1.235	0.0E0	0.000	0.762
36.25	0.92	1.30	0.71	5.00	NoLiq	24.21	78.23	1.239	0.0E0	0.000	0.762
36.20	0.92	1.30	0.71	5.00	NoLiq	24.15	78.10	1.243	0.0E0	0.000	0.762
36.15	0.92	1.30	0.71	5.00	NoLiq	24.08	77.97	1.247	0.0E0	0.000	0.762
36.10	0.92	1.30	0.71	5.00	NoLiq	24.01	77.85	1.251	0.0E0	0.000	0.762
36.05	0.92	1.30	0.71	5.00	NoLiq	23.94	77.72	1.256	0.0E0	0.000	0.762
36.00	0.92	1.30	0.71	5.00	NoLiq	23.87	77.59	1.260	0.0E0	0.000	0.762
35.95	0.92	1.30	0.71	5.00	NoLiq	23.81	77.47	1.264	0.0E0	0.000	0.762
35.90	0.92	1.30	0.71	5.00	NoLiq	23.74	77.34	1.268	0.0E0	0.000	0.762
35.85	0.92	1.30	0.71	5.00	NoLiq	23.67	77.21	1.273	0.0E0	0.000	0.762
35.80	0.92	1.30	0.71	5.00	NoLiq	23.60	77.09	1.277	0.0E0	0.000	0.762
35.75	0.92	1.30	0.71	5.00	NoLiq	23.54	76.96	1.281	0.0E0	0.000	0.762

35.70	0.92	1.30	0.71	5.00	NoLiq	23.47	76.84	1.285	0.0E0	0.000	0.762
35.65	0.92	1.30	0.71	5.00	NoLiq	23.40	76.71	1.290	0.0E0	0.000	0.762
35.60	0.92	1.30	0.71	5.00	NoLiq	23.33	76.58	1.294	0.0E0	0.000	0.762
35.55	0.93	1.30	0.71	5.00	NoLiq	23.26	76.46	1.298	0.0E0	0.000	0.762
35.50	0.93	1.30	0.71	5.00	NoLiq	23.19	76.33	1.302	0.0E0	0.000	0.762
35.45	0.93	1.30	0.71	5.00	NoLiq	23.13	76.20	1.307	0.0E0	0.000	0.762
35.40	0.93	1.30	0.71	5.00	NoLiq	23.06	76.08	1.311	0.0E0	0.000	0.762
35.35	0.93	1.30	0.71	5.00	NoLiq	22.99	75.95	1.315	0.0E0	0.000	0.762
35.30	0.93	1.30	0.71	5.00	NoLiq	22.92	75.83	1.320	0.0E0	0.000	0.762
35.25	0.93	1.30	0.71	5.00	NoLiq	22.85	75.70	1.324	0.0E0	0.000	0.762
35.20	0.93	1.30	0.71	5.00	NoLiq	22.78	75.57	1.328	0.0E0	0.000	0.762
35.15	0.93	1.30	0.72	5.00	NoLiq	22.71	75.45	1.332	0.0E0	0.000	0.762
35.10	0.93	1.30	0.72	5.00	NoLiq	22.64	75.32	1.337	0.0E0	0.000	0.762
35.05	0.93	1.30	0.72	5.00	NoLiq	22.58	75.20	1.341	0.0E0	0.000	0.762
35.00	0.93	1.30	0.72	5.00	NoLiq	22.51	75.07	1.345	0.0E0	0.000	0.762
34.95	0.93	1.30	0.72	5.00	NoLiq	22.52	75.09	1.345	0.0E0	0.000	0.762
34.90	0.93	1.30	0.72	5.00	NoLiq	22.52	75.10	1.344	0.0E0	0.000	0.762
34.85	0.93	1.30	0.72	5.00	NoLiq	22.53	75.12	1.344	0.0E0	0.000	0.762
34.80	0.93	1.30	0.72	5.00	NoLiq	22.54	75.13	1.343	0.0E0	0.000	0.762
34.75	0.93	1.30	0.72	5.00	NoLiq	22.55	75.15	1.343	0.0E0	0.000	0.762
34.70	0.93	1.30	0.72	5.00	NoLiq	22.56	75.17	1.342	0.0E0	0.000	0.762
34.65	0.93	1.30	0.72	5.00	NoLiq	22.57	75.18	1.341	0.0E0	0.000	0.762
34.60	0.93	1.30	0.72	5.00	NoLiq	22.58	75.20	1.341	0.0E0	0.000	0.762
34.55	0.93	1.30	0.72	5.00	NoLiq	22.59	75.21	1.340	0.0E0	0.000	0.762
34.50	0.94	1.30	0.72	5.00	NoLiq	22.59	75.23	1.340	0.0E0	0.000	0.762
34.45	0.94	1.30	0.72	5.00	NoLiq	22.60	75.25	1.339	0.0E0	0.000	0.762
34.40	0.94	1.30	0.72	5.00	NoLiq	22.61	75.26	1.339	0.0E0	0.000	0.762
34.35	0.94	1.30	0.72	5.00	NoLiq	22.62	75.28	1.338	0.0E0	0.000	0.762
34.30	0.94	1.30	0.72	5.00	NoLiq	22.63	75.29	1.338	0.0E0	0.000	0.762
34.25	0.94	1.30	0.72	5.00	NoLiq	22.64	75.31	1.337	0.0E0	0.000	0.762
34.20	0.94	1.30	0.72	5.00	NoLiq	22.65	75.33	1.337	0.0E0	0.000	0.762
34.15	0.94	1.30	0.72	5.00	NoLiq	22.66	75.34	1.336	0.0E0	0.000	0.762
34.10	0.94	1.30	0.72	5.00	NoLiq	22.67	75.36	1.335	0.0E0	0.000	0.762
34.05	0.94	1.30	0.72	5.00	NoLiq	22.67	75.37	1.335	0.0E0	0.000	0.762
34.00	0.94	1.30	0.72	5.00	NoLiq	22.68	75.39	1.334	0.0E0	0.000	0.762
33.95	0.94	1.30	0.72	5.00	NoLiq	22.69	75.41	1.334	0.0E0	0.000	0.762
33.90	0.94	1.30	0.72	5.00	NoLiq	22.70	75.42	1.333	0.0E0	0.000	0.762
33.85	0.94	1.30	0.72	5.00	NoLiq	22.71	75.44	1.333	0.0E0	0.000	0.762
33.80	0.94	1.30	0.72	5.00	NoLiq	22.72	75.46	1.332	0.0E0	0.000	0.762
33.75	0.94	1.30	0.73	5.00	NoLiq	22.73	75.47	1.332	0.0E0	0.000	0.762
33.70	0.94	1.30	0.73	5.00	NoLiq	22.74	75.49	1.331	0.0E0	0.000	0.762
33.65	0.94	1.30	0.73	5.00	NoLiq	22.74	75.50	1.330	0.0E0	0.000	0.762
33.60	0.94	1.30	0.73	5.00	NoLiq	22.75	75.52	1.330	0.0E0	0.000	0.762
33.55	0.94	1.30	0.73	5.00	NoLiq	22.76	75.54	1.329	0.0E0	0.000	0.762
33.50	0.94	1.30	0.73	5.00	NoLiq	22.77	75.55	1.329	0.0E0	0.000	0.762
33.45	0.94	1.30	0.73	5.00	NoLiq	22.78	75.57	1.328	0.0E0	0.000	0.762
33.40	0.95	1.30	0.73	5.00	NoLiq	22.79	75.59	1.328	0.0E0	0.000	0.762
33.35	0.95	1.30	0.73	5.00	NoLiq	22.80	75.60	1.327	0.0E0	0.000	0.762
33.30	0.95	1.30	0.73	5.00	NoLiq	22.81	75.62	1.327	0.0E0	0.000	0.762
33.25	0.95	1.30	0.73	5.00	NoLiq	22.82	75.63	1.326	0.0E0	0.000	0.762
33.20	0.95	1.30	0.73	5.00	NoLiq	22.82	75.65	1.326	0.0E0	0.000	0.762
33.15	0.95	1.30	0.73	5.00	NoLiq	22.83	75.67	1.325	0.0E0	0.000	0.762
33.10	0.95	1.30	0.73	5.00	NoLiq	22.84	75.68	1.324	0.0E0	0.000	0.762
33.05	0.95	1.30	0.73	5.00	NoLiq	22.85	75.70	1.324	0.0E0	0.000	0.762
33.00	0.95	1.30	0.73	5.00	NoLiq	22.86	75.72	1.323	0.0E0	0.000	0.762
32.95	0.95	1.30	0.73	5.00	NoLiq	22.87	75.73	1.323	0.0E0	0.000	0.762
32.90	0.95	1.30	0.73	5.00	NoLiq	22.88	75.75	1.322	0.0E0	0.000	0.762
32.85	0.95	1.30	0.73	5.00	NoLiq	22.89	75.76	1.322	0.0E0	0.000	0.762
32.80	0.95	1.30	0.73	5.00	NoLiq	22.90	75.78	1.321	0.0E0	0.000	0.762
32.75	0.95	1.30	0.73	5.00	NoLiq	22.90	75.80	1.321	0.0E0	0.000	0.762
32.70	0.95	1.30	0.73	5.00	NoLiq	22.91	75.81	1.320	0.0E0	0.000	0.762
32.65	0.95	1.30	0.73	5.00	NoLiq	22.92	75.83	1.319	0.0E0	0.000	0.762
32.60	0.95	1.30	0.73	5.00	NoLiq	22.93	75.85	1.319	0.0E0	0.000	0.762
32.55	0.95	1.30	0.73	5.00	NoLiq	22.94	75.86	1.318	0.0E0	0.000	0.762
32.50	0.95	1.30	0.73	5.00	NoLiq	22.95	75.88	1.318	0.0E0	0.000	0.762
32.45	0.95	1.30	0.73	5.00	NoLiq	22.96	75.90	1.317	0.0E0	0.000	0.762
32.40	0.95	1.30	0.73	5.00	NoLiq	22.97	75.91	1.317	0.0E0	0.000	0.762
32.35	0.95	1.30	0.73	5.00	NoLiq	22.98	75.93	1.316	0.0E0	0.000	0.762
32.30	0.96	1.30	0.74	5.00	NoLiq	22.98	75.95	1.315	0.0E0	0.000	0.762
32.25	0.96	1.30	0.74	5.00	NoLiq	22.99	75.96	1.315	0.0E0	0.000	0.762
32.20	0.96	1.30	0.74	5.00	NoLiq	23.00	75.98	1.314	0.0E0	0.000	0.762
32.15	0.96	1.30	0.74	5.00	NoLiq	23.01	75.99	1.314	0.0E0	0.000	0.762
32.10	0.96	1.30	0.74	5.00	NoLiq	23.02	76.01	1.313	0.0E0	0.000	0.762

32.05	0.96	1.30	0.74	5.00	NoLiq	23.03	76.03	1.313	0.0E0	0.000	0.762
32.00	0.96	1.30	0.74	5.00	NoLiq	23.04	76.04	1.312	0.0E0	0.000	0.762
31.95	0.96	1.30	0.74	5.00	NoLiq	23.05	76.06	1.312	0.0E0	0.000	0.762
31.90	0.96	1.30	0.74	5.00	NoLiq	23.06	76.08	1.311	0.0E0	0.000	0.762
31.85	0.96	1.30	0.74	5.00	NoLiq	23.07	76.09	1.310	0.0E0	0.000	0.762
31.80	0.96	1.30	0.74	5.00	NoLiq	23.07	76.11	1.310	0.0E0	0.000	0.762
31.75	0.96	1.30	0.74	5.00	NoLiq	23.08	76.13	1.309	0.0E0	0.000	0.762
31.70	0.96	1.30	0.74	5.00	NoLiq	23.09	76.14	1.309	0.0E0	0.000	0.762
31.65	0.96	1.30	0.74	5.00	NoLiq	23.10	76.16	1.308	0.0E0	0.000	0.762
31.60	0.96	1.30	0.74	5.00	NoLiq	23.11	76.18	1.308	0.0E0	0.000	0.762
31.55	0.96	1.30	0.74	5.00	NoLiq	23.12	76.19	1.307	0.0E0	0.000	0.762
31.50	0.96	1.30	0.74	5.00	NoLiq	23.13	76.21	1.306	0.0E0	0.000	0.762
31.45	0.96	1.30	0.74	5.00	NoLiq	23.14	76.23	1.306	0.0E0	0.000	0.762
31.40	0.96	1.30	0.74	5.00	NoLiq	23.15	76.24	1.305	0.0E0	0.000	0.762
31.35	0.96	1.30	0.74	5.00	NoLiq	23.16	76.26	1.305	0.0E0	0.000	0.762
31.30	0.96	1.30	0.74	5.00	NoLiq	23.16	76.28	1.304	0.0E0	0.000	0.762
31.25	0.96	1.30	0.74	5.00	NoLiq	23.17	76.29	1.304	0.0E0	0.000	0.762
31.20	0.96	1.30	0.74	5.00	NoLiq	23.18	76.31	1.303	0.0E0	0.000	0.762
31.15	0.96	1.30	0.74	5.00	NoLiq	23.19	76.33	1.303	0.0E0	0.000	0.762
31.10	0.97	1.30	0.74	5.00	NoLiq	23.20	76.34	1.302	0.0E0	0.000	0.762
31.05	0.97	1.30	0.74	5.00	NoLiq	23.21	76.36	1.301	0.0E0	0.000	0.762
31.00	0.97	1.30	0.74	5.00	NoLiq	23.22	76.38	1.301	0.0E0	0.000	0.762
30.95	0.97	1.30	0.74	5.00	NoLiq	23.23	76.39	1.300	0.0E0	0.000	0.762
30.90	0.97	1.30	0.74	5.00	NoLiq	23.24	76.41	1.300	0.0E0	0.000	0.762
30.85	0.97	1.30	0.74	5.00	NoLiq	23.25	76.43	1.299	0.0E0	0.000	0.762
30.80	0.97	1.30	0.74	5.00	NoLiq	23.26	76.44	1.299	0.0E0	0.000	0.762
30.75	0.97	1.30	0.75	5.00	NoLiq	23.26	76.46	1.298	0.0E0	0.000	0.762
30.70	0.97	1.30	0.75	5.00	NoLiq	23.27	76.48	1.297	0.0E0	0.000	0.762
30.65	0.97	1.30	0.75	5.00	NoLiq	23.28	76.49	1.297	0.0E0	0.000	0.762
30.60	0.97	1.30	0.75	5.00	NoLiq	23.29	76.51	1.296	0.0E0	0.000	0.762
30.55	0.97	1.30	0.75	5.00	NoLiq	23.30	76.53	1.296	0.0E0	0.000	0.762
30.50	0.97	1.30	0.75	5.00	NoLiq	23.31	76.54	1.295	0.0E0	0.000	0.762
30.45	0.97	1.30	0.75	5.00	NoLiq	23.32	76.56	1.295	0.0E0	0.000	0.762
30.40	0.97	1.30	0.75	5.00	NoLiq	23.33	76.58	1.294	0.0E0	0.000	0.762
30.35	0.97	1.30	0.75	5.00	NoLiq	23.34	76.59	1.293	0.0E0	0.000	0.762
30.30	0.97	1.30	0.75	5.00	NoLiq	23.35	76.61	1.293	0.0E0	0.000	0.762
30.25	0.97	1.30	0.75	5.00	NoLiq	23.36	76.63	1.292	0.0E0	0.000	0.762
30.20	0.97	1.30	0.75	5.00	NoLiq	23.36	76.64	1.292	0.0E0	0.000	0.762
30.15	0.97	1.30	0.75	5.00	NoLiq	23.37	76.66	1.291	0.0E0	0.000	0.762
30.10	0.97	1.30	0.75	5.00	NoLiq	23.38	76.68	1.291	0.0E0	0.000	0.762
30.05	0.97	1.30	0.75	5.00	NoLiq	23.39	76.70	1.290	0.0E0	0.000	0.762
30.00	0.97	1.30	0.75	5.00	NoLiq	23.40	76.71	1.290	0.0E0	0.000	0.762
29.95	0.97	1.30	0.75	5.00	NoLiq	23.29	76.50	1.297	0.0E0	0.000	0.762
29.90	0.97	1.30	0.75	5.00	NoLiq	23.17	76.29	1.304	0.0E0	0.000	0.762
29.85	0.97	1.30	0.75	5.00	NoLiq	23.06	76.08	1.311	0.0E0	0.000	0.762
29.80	0.97	1.30	0.75	5.00	NoLiq	22.95	75.87	1.318	0.0E0	0.000	0.762
29.75	0.97	1.30	0.75	5.00	NoLiq	22.83	75.66	1.325	0.0E0	0.000	0.762
29.70	0.97	1.30	0.75	5.00	NoLiq	22.72	75.45	1.332	0.0E0	0.000	0.762
29.65	0.97	1.30	0.75	5.00	NoLiq	22.60	75.25	1.339	0.0E0	0.000	0.762
29.60	0.97	1.30	0.75	5.00	NoLiq	22.49	75.04	1.346	0.0E0	0.000	0.762
29.55	0.98	1.30	0.75	5.00	NoLiq	22.37	74.83	1.354	0.0E0	0.000	0.762
29.50	0.98	1.30	0.75	5.00	NoLiq	22.26	74.62	1.361	0.0E0	0.000	0.762
29.45	0.98	1.30	0.75	5.00	NoLiq	22.15	74.41	1.368	0.0E0	0.000	0.762
29.40	0.98	1.30	0.75	5.00	NoLiq	22.03	74.20	1.375	0.0E0	0.000	0.762
29.35	0.98	1.30	0.75	5.00	NoLiq	21.92	73.99	1.382	0.0E0	0.000	0.762
29.30	0.98	1.30	0.75	5.00	NoLiq	21.80	73.78	1.389	0.0E0	0.000	0.762
29.25	0.98	1.30	0.75	5.00	NoLiq	21.69	73.58	1.397	0.0E0	0.000	0.762
29.20	0.98	1.30	0.75	5.00	NoLiq	21.57	73.37	1.404	0.0E0	0.000	0.762
29.15	0.98	1.30	0.75	5.00	NoLiq	21.45	73.16	1.411	0.0E0	0.000	0.762
29.10	0.98	1.30	0.75	5.00	NoLiq	21.34	72.95	1.418	0.0E0	0.000	0.762
29.05	0.98	1.30	0.75	5.00	NoLiq	21.22	72.74	1.426	0.0E0	0.000	0.762
29.00	0.98	1.30	0.75	5.00	NoLiq	21.11	72.53	1.433	0.0E0	0.000	0.762
28.95	0.98	1.30	0.75	5.00	NoLiq	20.99	72.32	1.440	0.0E0	0.000	0.762
28.90	0.98	1.30	0.75	5.00	NoLiq	20.88	72.12	1.447	0.0E0	0.000	0.762
28.85	0.98	1.30	0.75	5.00	NoLiq	20.76	71.91	1.454	0.0E0	0.000	0.762
28.80	0.98	1.30	0.75	5.00	NoLiq	20.64	71.70	1.462	0.0E0	0.000	0.762
28.75	0.98	1.30	0.75	5.00	NoLiq	20.53	71.49	1.469	0.0E0	0.000	0.762
28.70	0.98	1.30	0.75	5.00	NoLiq	20.41	71.28	1.476	0.0E0	0.000	0.762
28.65	0.98	1.30	0.75	5.00	NoLiq	20.30	71.07	1.484	0.0E0	0.000	0.762
28.60	0.98	1.30	0.75	5.00	NoLiq	20.18	70.86	1.491	0.0E0	0.000	0.762
28.55	0.98	1.30	0.75	5.00	NoLiq	20.06	70.65	1.498	0.0E0	0.000	0.762
28.50	0.98	1.30	0.75	5.00	NoLiq	19.95	70.44	1.507	0.0E0	0.000	0.762
28.45	0.98	1.30	0.75	5.00	NoLiq	19.83	70.23	1.517	0.0E0	0.000	0.762

28.40	0.98	1.30	0.75	5.00	NoLiq	19.71	70.02	1.527	0.0E0	0.000	0.762
28.35	0.98	1.30	0.75	5.00	NoLiq	19.59	69.81	1.537	0.0E0	0.000	0.762
28.30	0.98	1.30	0.75	5.00	NoLiq	19.48	69.60	1.546	0.0E0	0.000	0.762
28.25	0.98	1.30	0.75	5.00	NoLiq	19.36	69.38	1.556	0.0E0	0.000	0.762
28.20	0.98	1.30	0.75	5.00	NoLiq	19.24	69.17	1.566	0.0E0	0.000	0.762
28.15	0.98	1.30	0.75	5.00	NoLiq	19.12	68.96	1.576	0.0E0	0.000	0.762
28.10	0.98	1.30	0.75	5.00	NoLiq	19.01	68.75	1.586	0.0E0	0.000	0.762
28.05	0.98	1.30	0.75	5.00	NoLiq	18.89	68.53	1.596	0.0E0	0.000	0.762
28.00	0.98	1.30	0.75	5.00	NoLiq	18.77	68.32	1.605	0.0E0	0.000	0.762
27.95	0.98	1.30	0.75	5.00	NoLiq	18.65	68.11	1.615	0.0E0	0.000	0.762
27.90	0.98	1.30	0.75	5.00	NoLiq	18.53	67.89	1.625	0.0E0	0.000	0.762
27.85	0.98	1.30	0.75	5.00	NoLiq	17.75	66.45	1.691	0.0E0	0.000	0.762
27.80	0.98	1.30	0.75	5.00	NoLiq	17.63	66.25	1.701	0.0E0	0.000	0.762
27.75	0.98	1.30	0.75	5.00	NoLiq	17.52	66.04	1.710	0.0E0	0.000	0.762
27.70	0.98	1.30	0.75	5.00	NoLiq	17.41	65.83	1.720	0.0E0	0.000	0.762
27.65	0.98	1.30	0.75	5.00	NoLiq	17.29	65.62	1.729	0.0E0	0.000	0.762
27.60	0.98	1.30	0.75	5.00	NoLiq	17.18	65.41	1.738	0.0E0	0.000	0.762
27.55	0.98	1.30	0.75	5.00	NoLiq	17.07	65.20	1.748	0.0E0	0.000	0.762
27.50	0.98	1.30	0.75	5.00	NoLiq	16.96	64.99	1.757	0.0E0	0.000	0.762
27.45	0.98	1.30	0.75	5.00	NoLiq	16.84	64.78	1.767	0.0E0	0.000	0.762
27.40	0.98	1.30	0.75	5.00	NoLiq	16.73	64.57	1.776	0.0E0	0.000	0.762
27.35	0.98	1.30	0.75	5.00	NoLiq	16.62	64.36	1.786	0.0E0	0.000	0.762
27.30	0.98	1.30	0.75	5.00	NoLiq	16.50	64.15	1.795	0.0E0	0.000	0.762
27.25	0.98	1.30	0.75	5.00	NoLiq	16.39	63.93	1.805	0.0E0	0.000	0.762
27.20	0.98	1.30	0.75	5.00	NoLiq	16.27	63.72	1.814	0.0E0	0.000	0.762
27.15	0.98	1.30	0.75	5.00	NoLiq	16.16	63.50	1.824	0.0E0	0.000	0.762
27.10	0.98	1.30	0.75	5.00	NoLiq	16.05	63.29	1.834	0.0E0	0.000	0.762
27.05	0.98	1.30	0.75	5.00	NoLiq	15.93	63.07	1.843	0.0E0	0.000	0.762
27.00	0.98	1.30	0.75	5.00	NoLiq	15.82	62.85	1.853	0.0E0	0.000	0.762
26.95	0.98	1.30	0.75	5.00	NoLiq	15.70	62.63	1.862	0.0E0	0.000	0.762
26.90	0.98	1.30	0.75	5.00	NoLiq	15.59	62.41	1.872	0.0E0	0.000	0.762
26.85	0.98	1.30	0.75	5.00	NoLiq	15.47	62.19	1.881	0.0E0	0.000	0.762
26.80	0.98	1.30	0.75	5.00	NoLiq	15.36	61.97	1.891	0.0E0	0.000	0.762
26.75	0.98	1.30	0.75	5.00	NoLiq	15.24	61.75	1.901	0.0E0	0.000	0.762
26.70	0.98	1.30	0.75	5.00	NoLiq	15.13	61.53	1.910	0.0E0	0.000	0.762
26.65	0.98	1.30	0.75	5.00	NoLiq	15.01	61.30	1.920	0.0E0	0.000	0.762
26.60	0.98	1.30	0.75	5.00	NoLiq	14.90	61.08	1.930	0.0E0	0.000	0.762
26.55	0.98	1.30	0.75	5.00	NoLiq	14.78	60.85	1.939	0.0E0	0.000	0.762
26.50	0.98	1.30	0.75	5.00	NoLiq	14.67	60.62	1.949	0.0E0	0.000	0.762
26.45	0.98	1.30	0.75	5.00	NoLiq	14.55	60.40	1.959	0.0E0	0.000	0.762
26.40	0.98	1.30	0.75	5.00	NoLiq	14.44	60.17	1.968	0.0E0	0.000	0.762
26.35	0.98	1.30	0.75	5.00	NoLiq	14.32	59.94	1.978	0.0E0	0.000	0.762
26.30	0.98	1.30	0.75	5.00	NoLiq	14.20	59.70	1.988	0.0E0	0.000	0.762
26.25	0.98	1.30	0.75	5.00	NoLiq	14.09	59.47	1.997	0.0E0	0.000	0.762
26.20	0.98	1.30	0.76	5.00	NoLiq	13.97	59.24	2.011	0.0E0	0.000	0.762
26.15	0.98	1.30	0.76	5.00	NoLiq	13.85	59.00	2.027	0.0E0	0.000	0.762
26.10	0.98	1.30	0.76	5.00	NoLiq	13.74	58.77	2.042	0.0E0	0.000	0.762
26.05	0.98	1.30	0.76	5.00	NoLiq	13.62	58.53	2.057	0.0E0	0.000	0.762
26.00	0.98	1.30	0.76	5.00	NoLiq	13.50	58.29	2.073	0.0E0	0.000	0.762
25.95	0.98	1.30	0.76	5.00	NoLiq	13.39	58.05	2.088	0.0E0	0.000	0.762
25.90	0.98	1.30	0.76	5.00	NoLiq	13.27	57.81	2.103	0.0E0	0.000	0.762
25.85	0.98	1.30	0.76	5.00	NoLiq	13.15	57.56	2.119	0.0E0	0.000	0.762
25.80	0.98	1.30	0.76	5.00	NoLiq	13.04	57.32	2.134	0.0E0	0.000	0.762
25.75	0.98	1.30	0.76	5.00	NoLiq	12.92	57.07	2.150	0.0E0	0.000	0.762
25.70	0.98	1.30	0.76	5.00	NoLiq	12.80	56.83	2.165	0.0E0	0.000	0.762
25.65	0.98	1.30	0.76	5.00	NoLiq	12.68	56.58	2.181	0.0E0	0.000	0.762
25.60	0.98	1.30	0.76	5.00	NoLiq	12.57	56.33	2.196	0.0E0	0.000	0.762
25.55	0.98	1.30	0.76	5.00	NoLiq	12.45	56.08	2.212	0.0E0	0.000	0.762
25.50	0.98	1.30	0.76	5.00	NoLiq	12.33	55.82	2.227	0.0E0	0.000	0.762
25.45	0.98	1.30	0.76	5.00	NoLiq	12.21	55.57	2.243	0.0E0	0.000	0.762
25.40	0.98	1.30	0.76	5.00	NoLiq	12.09	55.31	2.258	0.0E0	0.000	0.762
25.35	0.98	1.30	0.76	5.00	NoLiq	11.98	55.05	2.274	0.0E0	0.000	0.762
25.30	0.98	1.30	0.76	5.00	NoLiq	11.86	54.79	2.289	0.0E0	0.000	0.762
25.25	0.98	1.30	0.76	5.00	NoLiq	11.74	54.53	2.305	0.0E0	0.000	0.762
25.20	0.98	1.30	0.76	5.00	NoLiq	11.62	54.27	2.321	0.0E0	0.000	0.762
25.15	0.98	1.30	0.76	5.00	NoLiq	11.50	54.00	2.336	0.0E0	0.000	0.762
25.10	0.98	1.30	0.76	5.00	NoLiq	11.38	53.74	2.352	0.0E0	0.000	0.762
25.05	0.98	1.30	0.76	5.00	NoLiq	11.26	53.47	2.368	0.0E0	0.000	0.762
25.00	0.98	1.30	0.76	5.00	NoLiq	11.14	53.20	2.383	0.0E0	0.000	0.762
24.95	0.98	1.30	0.76	5.00	NoLiq	11.15	53.21	2.383	0.0E0	0.000	0.762
24.90	0.98	1.30	0.76	5.00	NoLiq	11.15	53.22	2.382	0.0E0	0.000	0.762
24.85	0.98	1.30	0.76	5.00	NoLiq	11.15	53.22	2.382	0.0E0	0.000	0.762
24.80	0.98	1.30	0.76	5.00	NoLiq	11.16	53.23	2.381	0.0E0	0.000	0.762

24.75	0.98	1.30	0.76	5.00	NoLiq	11.16	53.24	2.381	0.0E0	0.000	0.762
24.70	0.98	1.30	0.76	5.00	NoLiq	11.16	53.25	2.381	0.0E0	0.000	0.762
24.65	0.98	1.30	0.76	5.00	NoLiq	11.17	53.26	2.380	0.0E0	0.000	0.762
24.60	0.98	1.30	0.76	5.00	NoLiq	11.17	53.26	2.380	0.0E0	0.000	0.762
24.55	0.98	1.30	0.76	5.00	NoLiq	11.17	53.27	2.379	0.0E0	0.000	0.762
24.50	0.98	1.30	0.76	5.00	NoLiq	11.18	53.28	2.379	0.0E0	0.000	0.762
24.45	0.98	1.30	0.76	5.00	NoLiq	11.18	53.29	2.378	0.0E0	0.000	0.762
24.40	0.98	1.30	0.76	5.00	NoLiq	11.18	53.30	2.378	0.0E0	0.000	0.762
24.35	0.98	1.30	0.76	5.00	NoLiq	11.19	53.30	2.377	0.0E0	0.000	0.762
24.30	0.98	1.30	0.76	5.00	NoLiq	11.19	53.31	2.377	0.0E0	0.000	0.762
24.25	0.98	1.30	0.76	5.00	NoLiq	11.20	53.32	2.376	0.0E0	0.000	0.762
24.20	0.98	1.30	0.76	5.00	NoLiq	11.20	53.33	2.376	0.0E0	0.000	0.762
24.15	0.98	1.30	0.76	5.00	NoLiq	11.20	53.34	2.375	0.0E0	0.000	0.762
24.10	0.98	1.30	0.76	5.00	NoLiq	11.21	53.34	2.375	0.0E0	0.000	0.762
24.05	0.98	1.30	0.76	5.00	NoLiq	11.21	53.35	2.375	0.0E0	0.000	0.762
24.00	0.99	1.30	0.76	5.00	NoLiq	11.21	53.36	2.374	0.0E0	0.000	0.762
23.95	0.99	1.30	0.76	5.00	NoLiq	11.22	53.37	2.374	0.0E0	0.000	0.762
23.90	0.99	1.30	0.76	5.00	NoLiq	11.22	53.38	2.373	0.0E0	0.000	0.762
23.85	0.99	1.30	0.76	5.00	NoLiq	11.22	53.38	2.373	0.0E0	0.000	0.762
23.80	0.99	1.30	0.76	5.00	NoLiq	11.23	53.39	2.372	0.0E0	0.000	0.762
23.75	0.99	1.30	0.76	5.00	NoLiq	11.23	53.40	2.372	0.0E0	0.000	0.762
23.70	0.99	1.30	0.76	5.00	NoLiq	11.23	53.41	2.371	0.0E0	0.000	0.762
23.65	0.99	1.30	0.76	5.00	NoLiq	11.24	53.42	2.371	0.0E0	0.000	0.762
23.60	0.99	1.30	0.76	5.00	NoLiq	11.24	53.43	2.370	0.0E0	0.000	0.762
23.55	0.99	1.30	0.76	5.00	NoLiq	11.25	53.43	2.370	0.0E0	0.000	0.762
23.50	0.99	1.30	0.76	5.00	NoLiq	11.25	53.44	2.369	0.0E0	0.000	0.762
23.45	0.99	1.30	0.76	5.00	NoLiq	11.25	53.45	2.369	0.0E0	0.000	0.762
23.40	0.99	1.30	0.76	5.00	NoLiq	11.26	53.46	2.368	0.0E0	0.000	0.762
23.35	0.99	1.30	0.76	5.00	NoLiq	11.26	53.47	2.368	0.0E0	0.000	0.762
23.30	0.99	1.30	0.76	5.00	NoLiq	11.26	53.47	2.367	0.0E0	0.000	0.762
23.25	0.99	1.30	0.76	5.00	NoLiq	11.27	53.48	2.367	0.0E0	0.000	0.762
23.20	0.99	1.30	0.76	5.00	NoLiq	11.27	53.49	2.366	0.0E0	0.000	0.762
23.15	0.99	1.30	0.76	5.00	NoLiq	11.27	53.50	2.366	0.0E0	0.000	0.762
23.10	0.99	1.30	0.76	5.00	NoLiq	11.28	53.51	2.365	0.0E0	0.000	0.762
23.05	0.99	1.30	0.76	5.00	NoLiq	11.28	53.52	2.365	0.0E0	0.000	0.762
23.00	0.99	1.30	0.76	5.00	NoLiq	11.29	53.52	2.365	0.0E0	0.000	0.762
22.95	0.99	1.30	0.76	5.00	NoLiq	11.29	53.53	2.364	0.0E0	0.000	0.762
22.90	0.99	1.30	0.76	5.00	NoLiq	11.29	53.54	2.364	0.0E0	0.000	0.762
22.85	0.99	1.30	0.76	5.00	NoLiq	11.30	53.55	2.363	0.0E0	0.000	0.762
22.80	0.99	1.30	0.76	5.00	NoLiq	11.30	53.56	2.363	0.0E0	0.000	0.762
22.75	0.99	1.30	0.76	5.00	NoLiq	11.30	53.57	2.362	0.0E0	0.000	0.762
22.70	0.99	1.30	0.76	5.00	NoLiq	11.31	53.57	2.362	0.0E0	0.000	0.762
22.65	0.99	1.30	0.76	5.00	NoLiq	11.31	53.58	2.361	0.0E0	0.000	0.762
22.60	0.99	1.30	0.76	5.00	NoLiq	11.32	53.59	2.361	0.0E0	0.000	0.762
22.55	0.99	1.30	0.76	5.00	NoLiq	11.32	53.60	2.360	0.0E0	0.000	0.762
22.50	0.99	1.30	0.76	5.00	NoLiq	11.32	53.61	2.360	0.0E0	0.000	0.762
22.45	0.99	1.30	0.76	5.00	NoLiq	11.33	53.62	2.359	0.0E0	0.000	0.762
22.40	0.99	1.30	0.76	5.00	NoLiq	11.33	53.62	2.359	0.0E0	0.000	0.762
22.35	0.99	1.30	0.76	5.00	NoLiq	11.33	53.63	2.358	0.0E0	0.000	0.762
22.30	0.99	1.30	0.76	5.00	NoLiq	11.34	53.64	2.358	0.0E0	0.000	0.762
22.25	0.99	1.30	0.76	5.00	NoLiq	11.34	53.65	2.357	0.0E0	0.000	0.762
22.20	0.99	1.30	0.76	5.00	NoLiq	11.35	53.66	2.357	0.0E0	0.000	0.762
22.15	0.99	1.30	0.76	5.00	NoLiq	11.35	53.67	2.356	0.0E0	0.000	0.762
22.10	0.99	1.30	0.76	5.00	NoLiq	11.35	53.68	2.356	0.0E0	0.000	0.762
22.05	0.99	1.30	0.76	5.00	NoLiq	11.36	53.68	2.355	0.0E0	0.000	0.762
22.00	0.99	1.30	0.76	5.00	NoLiq	11.36	53.69	2.355	0.0E0	0.000	0.762
21.95	0.99	1.30	0.76	5.00	NoLiq	11.36	53.70	2.354	0.0E0	0.000	0.762
21.90	0.99	1.30	0.76	5.00	NoLiq	11.37	53.71	2.354	0.0E0	0.000	0.762
21.85	0.99	1.30	0.76	5.00	NoLiq	11.37	53.72	2.353	0.0E0	0.000	0.762
21.80	0.99	1.30	0.76	5.00	NoLiq	11.38	53.73	2.353	0.0E0	0.000	0.762
21.75	0.99	1.30	0.76	5.00	NoLiq	11.38	53.74	2.352	0.0E0	0.000	0.762
21.70	0.99	1.30	0.76	5.00	NoLiq	11.38	53.74	2.352	0.0E0	0.000	0.762
21.65	0.99	1.30	0.76	5.00	NoLiq	11.39	53.75	2.351	0.0E0	0.000	0.762
21.60	0.99	1.30	0.76	5.00	NoLiq	11.39	53.76	2.351	0.0E0	0.000	0.762
21.55	0.99	1.30	0.76	5.00	NoLiq	11.40	53.77	2.350	0.0E0	0.000	0.762
21.50	0.99	1.30	0.76	5.00	NoLiq	11.40	53.78	2.350	0.0E0	0.000	0.762
21.45	0.99	1.30	0.76	5.00	NoLiq	11.40	53.79	2.349	0.0E0	0.000	0.762
21.40	0.99	1.30	0.76	5.00	NoLiq	11.41	53.80	2.349	0.0E0	0.000	0.762
21.35	0.99	1.30	0.76	5.00	NoLiq	11.41	53.81	2.348	0.0E0	0.000	0.762
21.30	0.99	1.30	0.76	5.00	NoLiq	11.41	53.81	2.348	0.0E0	0.000	0.762
21.25	0.99	1.30	0.76	5.00	NoLiq	11.42	53.82	2.347	0.0E0	0.000	0.762
21.20	0.99	1.30	0.76	5.00	NoLiq	11.42	53.83	2.346	0.0E0	0.000	0.762
21.15	0.99	1.30	0.76	5.00	NoLiq	11.43	53.84	2.346	0.0E0	0.000	0.762

21.10	0.99	1.30	0.76	5.00	NoLiq	11.43	53.85	2.345	0.0E0	0.000	0.762
21.05	0.99	1.30	0.76	5.00	NoLiq	11.43	53.86	2.345	0.0E0	0.000	0.762
21.00	0.99	1.30	0.76	5.00	NoLiq	11.44	53.87	2.344	0.0E0	0.000	0.762
20.95	0.99	1.30	0.76	5.00	NoLiq	11.44	53.88	2.344	0.0E0	0.000	0.762
20.90	0.99	1.30	0.76	5.00	NoLiq	11.45	53.88	2.343	0.0E0	0.000	0.762
20.85	0.99	1.30	0.76	5.00	NoLiq	11.45	53.89	2.343	0.0E0	0.000	0.762
20.80	0.99	1.30	0.76	5.00	NoLiq	11.45	53.90	2.342	0.0E0	0.000	0.762
20.75	0.99	1.30	0.76	5.00	NoLiq	11.46	53.91	2.342	0.0E0	0.000	0.762
20.70	0.99	1.30	0.76	5.00	NoLiq	11.46	53.92	2.341	0.0E0	0.000	0.762
20.65	0.99	1.30	0.76	5.00	NoLiq	11.47	53.93	2.341	0.0E0	0.000	0.762
20.60	0.99	1.30	0.76	5.00	NoLiq	11.47	53.94	2.340	0.0E0	0.000	0.762
20.55	0.99	1.30	0.76	5.00	NoLiq	11.47	53.95	2.340	0.0E0	0.000	0.762
20.50	0.99	1.30	0.76	5.00	NoLiq	11.48	53.96	2.339	0.0E0	0.000	0.762
20.45	0.99	1.30	0.76	5.00	NoLiq	11.48	53.97	2.339	0.0E0	0.000	0.762
20.40	0.99	1.30	0.76	5.00	NoLiq	11.49	53.97	2.338	0.0E0	0.000	0.762
20.35	0.99	1.30	0.76	5.00	NoLiq	11.49	53.98	2.338	0.0E0	0.000	0.762
20.30	0.99	1.30	0.76	5.00	NoLiq	11.49	53.99	2.337	0.0E0	0.000	0.762
20.25	0.99	1.30	0.76	5.00	NoLiq	11.50	54.00	2.336	0.0E0	0.000	0.762
20.20	0.99	1.30	0.76	5.00	NoLiq	11.50	54.01	2.336	0.0E0	0.000	0.762
20.15	0.99	1.30	0.76	5.00	NoLiq	11.51	54.02	2.335	0.0E0	0.000	0.762
20.10	0.99	1.30	0.76	5.00	NoLiq	11.51	54.03	2.335	0.0E0	0.000	0.762
20.05	0.99	1.30	0.76	5.00	NoLiq	11.51	54.04	2.334	0.0E0	0.000	0.762
20.00	0.99	1.30	0.76	0.16	NoLiq	11.52	54.05	2.334	0.0E0	0.000	0.762
19.95	0.99	1.30	0.76	0.17	NoLiq	11.70	54.44	2.310	0.0E0	0.000	0.762
19.90	0.99	1.30	0.76	0.17	NoLiq	11.88	54.83	2.287	0.0E0	0.000	0.762
19.85	0.99	1.30	0.76	0.17	NoLiq	12.05	55.22	2.263	0.0E0	0.000	0.762
19.80	0.99	1.30	0.76	0.17	99.70	12.23	55.61	2.240	1.3E-2	0.013	0.776
19.75	0.99	1.30	0.76	0.18	99.38	12.41	56.00	2.216	1.3E-2	0.013	0.789
19.70	0.99	1.30	0.76	0.18	99.06	12.59	56.38	2.193	1.3E-2	0.013	0.802
19.65	0.99	1.30	0.76	0.18	98.73	12.77	56.76	2.169	1.3E-2	0.013	0.815
19.60	0.99	1.30	0.76	0.18	98.41	12.95	57.14	2.146	1.3E-2	0.013	0.828
19.55	0.99	1.30	0.76	0.19	98.08	13.13	57.51	2.122	1.3E-2	0.013	0.841
19.50	0.99	1.30	0.76	0.19	97.76	13.31	57.89	2.098	1.3E-2	0.013	0.854
19.45	0.99	1.30	0.76	0.19	97.44	13.49	58.26	2.075	1.2E-2	0.012	0.866
19.40	0.99	1.30	0.76	0.19	97.11	13.67	58.63	2.051	1.2E-2	0.012	0.878
19.35	0.99	1.30	0.76	0.20	96.79	13.85	59.00	2.027	1.2E-2	0.012	0.890
19.30	0.99	1.30	0.76	0.20	96.46	14.03	59.36	2.003	1.2E-2	0.012	0.903
19.25	0.99	1.30	0.76	0.20	96.14	14.21	59.73	1.987	1.2E-2	0.012	0.914
19.20	0.99	1.30	0.76	0.20	95.82	14.40	60.09	1.972	1.2E-2	0.012	0.926
19.15	0.99	1.30	0.76	0.21	95.49	14.58	60.45	1.956	1.2E-2	0.012	0.938
19.10	0.99	1.30	0.76	0.21	95.17	14.76	60.81	1.941	1.2E-2	0.012	0.950
19.05	0.99	1.30	0.76	0.21	94.84	14.94	61.16	1.926	1.2E-2	0.012	0.961
19.00	0.99	1.30	0.76	0.21	94.52	15.13	61.52	1.911	1.1E-2	0.011	0.973
18.95	0.99	1.30	0.76	0.22	94.20	15.31	61.88	1.895	1.1E-2	0.011	0.984
18.90	0.99	1.30	0.76	0.22	93.87	15.49	62.23	1.880	1.1E-2	0.011	0.995
18.85	0.99	1.30	0.76	0.22	93.55	15.67	62.58	1.865	1.1E-2	0.011	1.007
18.80	0.99	1.30	0.76	0.22	93.22	15.86	62.93	1.849	1.1E-2	0.011	1.018
18.75	0.99	1.30	0.76	0.23	92.90	16.04	63.28	1.834	1.1E-2	0.011	1.029
18.70	0.99	1.30	0.76	0.23	92.58	16.23	63.63	1.819	1.1E-2	0.011	1.040
18.65	0.99	1.30	0.76	0.23	92.25	16.41	63.98	1.803	1.1E-2	0.011	1.050
18.60	0.99	1.30	0.76	0.23	91.93	16.59	64.32	1.788	1.1E-2	0.011	1.061
18.55	0.99	1.30	0.76	0.24	91.60	16.78	64.67	1.772	1.1E-2	0.011	1.072
18.50	0.99	1.30	0.76	0.24	91.28	16.96	65.01	1.757	1.1E-2	0.011	1.082
18.45	0.99	1.30	0.76	0.24	90.96	17.15	65.36	1.741	1.0E-2	0.010	1.093
18.40	0.99	1.30	0.76	0.24	90.63	17.34	65.70	1.726	1.0E-2	0.010	1.103
18.35	0.99	1.30	0.76	0.25	90.31	17.52	66.04	1.710	1.0E-2	0.010	1.113
18.30	0.99	1.30	0.77	0.25	89.98	17.71	66.38	1.694	1.0E-2	0.010	1.123
18.25	0.99	1.30	0.77	0.25	89.66	17.89	66.72	1.679	1.0E-2	0.010	1.134
18.20	0.99	1.30	0.77	0.25	89.34	18.08	67.07	1.663	1.0E-2	0.010	1.144
18.15	0.99	1.30	0.77	0.26	89.01	18.27	67.41	1.648	9.9E-3	0.010	1.153
18.10	0.99	1.30	0.77	0.26	88.69	18.46	67.75	1.632	9.8E-3	0.010	1.163
18.05	0.99	1.30	0.77	0.26	88.36	18.64	68.09	1.616	9.7E-3	0.010	1.173
18.00	0.99	1.30	0.77	0.27	88.04	18.83	68.43	1.601	9.6E-3	0.010	1.182
17.95	0.99	1.30	0.77	0.27	87.72	19.02	68.77	1.585	9.5E-3	0.010	1.192
17.90	0.99	1.30	0.77	0.27	87.39	19.21	69.11	1.569	9.4E-3	0.009	1.201
17.85	0.99	1.30	0.77	0.27	87.07	19.40	69.45	1.553	9.3E-3	0.009	1.211
17.80	0.99	1.30	0.77	0.28	86.74	19.58	69.79	1.537	9.2E-3	0.009	1.220
17.75	1.00	1.30	0.77	0.28	86.42	19.77	70.13	1.522	9.1E-3	0.009	1.229
17.70	1.00	1.30	0.77	0.28	86.10	19.96	70.47	1.506	9.0E-3	0.009	1.238
17.65	1.00	1.30	0.77	0.28	85.77	20.15	70.81	1.492	9.0E-3	0.009	1.247
17.60	1.00	1.30	0.77	0.29	85.45	20.34	71.15	1.481	8.9E-3	0.009	1.256
17.55	1.00	1.30	0.77	0.29	85.12	20.53	71.50	1.469	8.8E-3	0.009	1.265
17.50	1.00	1.30	0.77	0.29	84.80	20.72	71.84	1.457	8.7E-3	0.009	1.274

17.45	1.00	1.30	0.77	0.30	84.48	20.91	72.18	1.445	8.7E-3	0.009	1.282
17.40	1.00	1.30	0.77	0.30	84.15	21.11	72.53	1.433	8.6E-3	0.009	1.291
17.35	1.00	1.30	0.77	0.30	83.83	21.30	72.87	1.421	8.5E-3	0.009	1.299
17.30	1.00	1.30	0.77	0.30	83.50	21.49	73.22	1.409	8.5E-3	0.008	1.308
17.25	1.00	1.30	0.77	0.31	83.18	21.68	73.57	1.397	8.4E-3	0.008	1.316
17.20	1.00	1.30	0.77	0.31	82.86	21.87	73.92	1.385	8.3E-3	0.008	1.324
17.15	1.00	1.30	0.77	0.31	82.53	22.06	74.26	1.373	8.2E-3	0.008	1.333
17.10	1.00	1.30	0.77	0.32	82.21	22.26	74.62	1.361	8.2E-3	0.008	1.341
17.05	1.00	1.30	0.77	0.32	81.88	22.45	74.97	1.349	8.1E-3	0.008	1.349
17.00	1.00	1.30	0.77	0.32	81.56	22.64	75.32	1.337	8.0E-3	0.008	1.357
16.95	1.00	1.30	0.77	0.33	81.24	22.85	75.70	1.324	7.9E-3	0.008	1.365
16.90	1.00	1.30	0.77	0.33	80.91	23.06	76.08	1.311	7.9E-3	0.008	1.373
16.85	1.00	1.30	0.77	0.33	80.59	23.27	76.47	1.298	7.8E-3	0.008	1.381
16.80	1.00	1.30	0.77	0.34	80.26	23.48	76.85	1.285	7.7E-3	0.008	1.388
16.75	1.00	1.30	0.77	0.34	79.94	23.69	77.24	1.272	7.6E-3	0.008	1.396
16.70	1.00	1.30	0.77	0.35	79.62	23.90	77.64	1.258	7.6E-3	0.008	1.403
16.65	1.00	1.30	0.77	0.35	79.29	24.11	78.03	1.245	7.5E-3	0.007	1.411
16.60	1.00	1.30	0.77	0.35	78.97	24.32	78.43	1.232	7.4E-3	0.007	1.418
16.55	1.00	1.30	0.77	0.36	78.64	24.53	78.83	1.219	7.3E-3	0.007	1.426
16.50	1.00	1.30	0.77	0.36	78.32	24.75	79.24	1.205	7.2E-3	0.007	1.433
16.45	1.00	1.30	0.77	0.37	78.00	24.96	79.64	1.192	7.2E-3	0.007	1.440
16.40	1.00	1.30	0.77	0.37	77.67	25.18	80.05	1.179	7.1E-3	0.007	1.447
16.35	1.00	1.30	0.77	0.38	77.35	25.39	80.47	1.165	7.0E-3	0.007	1.454
16.30	1.00	1.30	0.77	0.38	77.02	25.61	80.89	1.152	6.9E-3	0.007	1.461
16.25	1.00	1.30	0.77	0.39	76.70	25.82	81.31	1.138	6.8E-3	0.007	1.468
16.20	1.00	1.30	0.77	0.39	76.38	26.04	81.74	1.125	6.7E-3	0.007	1.475
16.15	1.00	1.30	0.77	0.40	76.05	26.26	82.17	1.111	6.7E-3	0.007	1.481
16.10	1.00	1.30	0.77	0.40	75.73	26.48	82.60	1.097	6.6E-3	0.007	1.488
16.05	1.00	1.30	0.77	0.41	75.40	26.70	83.04	1.083	6.5E-3	0.007	1.494
16.00	1.00	1.30	0.77	0.41	75.08	26.92	83.49	1.070	6.4E-3	0.006	1.501
15.95	1.00	1.30	0.77	0.42	74.76	27.14	83.94	1.056	6.3E-3	0.006	1.507
15.90	1.00	1.30	0.77	0.43	74.43	27.36	84.39	1.042	6.3E-3	0.006	1.513
15.85	1.00	1.30	0.77	0.43	74.11	27.59	84.85	1.028	6.2E-3	0.006	1.519
15.80	1.00	1.30	0.77	0.44	73.78	27.81	85.31	1.014	6.1E-3	0.006	1.526
15.75	1.00	1.30	0.77	0.45	73.46	28.03	85.78	1.000	6.0E-3	0.006	1.532
15.70	1.00	1.30	0.77	0.45	73.14	28.26	86.26	0.971	5.8E-3	0.006	1.537
15.65	1.00	1.30	0.77	0.46	72.81	28.49	86.74	0.943	5.7E-3	0.006	1.543
15.60	1.00	1.30	0.77	0.47	72.49	28.71	87.22	0.914	5.5E-3	0.005	1.549
15.55	1.00	1.30	0.77	0.48	72.16	28.94	87.71	0.885	5.3E-3	0.005	1.554
15.50	1.00	1.30	0.77	0.50	71.84	29.17	88.21	0.855	5.1E-3	0.005	1.559
15.45	1.00	1.30	0.77	0.51	71.52	29.40	88.71	0.826	5.0E-3	0.005	1.564
15.40	1.00	1.30	0.77	0.53	71.19	29.63	89.22	0.797	4.8E-3	0.005	1.569
15.35	1.00	1.30	0.77	0.56	70.87	29.86	89.74	0.767	4.6E-3	0.005	1.573
15.30	1.00	1.30	0.77	0.63	70.54	30.09	90.26	0.738	4.4E-3	0.004	1.578
15.25	1.00	1.30	0.77	0.65	70.22	30.32	90.79	0.708	4.2E-3	0.004	1.582
15.20	1.00	1.30	0.77	0.65	69.90	30.56	91.33	0.678	4.1E-3	0.004	1.586
15.15	1.00	1.30	0.77	0.65	69.57	30.79	91.87	0.649	3.9E-3	0.004	1.590
15.10	1.00	1.30	0.77	0.65	69.25	31.03	92.42	0.619	3.7E-3	0.004	1.594
15.05	1.00	1.30	0.77	0.65	68.92	31.26	92.98	0.589	3.5E-3	0.004	1.597
15.00	1.00	1.30	0.77	0.65	68.60	31.50	93.55	0.558	3.3E-3	0.003	1.601
14.95	1.00	1.30	0.77	0.65	68.60	31.54	93.66	0.553	3.3E-3	0.003	1.604
14.90	1.00	1.30	0.77	0.65	68.60	31.59	93.77	0.547	3.3E-3	0.003	1.607
14.85	1.00	1.30	0.77	0.65	68.60	31.64	93.87	0.541	3.2E-3	0.003	1.610
14.80	1.00	1.30	0.77	0.65	68.60	31.68	93.98	0.535	3.2E-3	0.003	1.614
14.75	1.00	1.30	0.77	0.48	68.60	28.91	87.65	0.888	5.3E-3	0.005	1.619
14.70	1.00	1.30	0.77	0.48	68.60	28.95	87.74	0.883	5.3E-3	0.005	1.624
14.65	1.00	1.30	0.77	0.49	68.60	29.00	87.83	0.877	5.3E-3	0.005	1.629
14.60	1.00	1.30	0.77	0.49	68.60	29.04	87.92	0.872	5.2E-3	0.005	1.635
14.55	1.00	1.30	0.77	0.49	68.60	29.08	88.01	0.867	5.2E-3	0.005	1.640
14.50	1.00	1.30	0.77	0.49	68.60	29.12	88.11	0.862	5.2E-3	0.005	1.645
14.45	1.00	1.30	0.77	0.49	68.60	29.16	88.20	0.856	5.1E-3	0.005	1.650
14.40	1.00	1.30	0.77	0.50	68.60	29.21	88.29	0.851	5.1E-3	0.005	1.655
14.35	1.00	1.30	0.77	0.50	68.60	29.25	88.38	0.845	5.1E-3	0.005	1.660
14.30	1.00	1.30	0.77	0.50	68.60	29.29	88.48	0.840	5.0E-3	0.005	1.665
14.25	1.00	1.30	0.77	0.50	68.60	29.33	88.57	0.834	5.0E-3	0.005	1.670
14.20	1.00	1.30	0.77	0.51	68.60	29.38	88.67	0.829	5.0E-3	0.005	1.675
14.15	1.01	1.30	0.77	0.51	68.60	29.42	88.76	0.823	4.9E-3	0.005	1.680
14.10	1.01	1.30	0.77	0.51	68.60	29.46	88.86	0.818	4.9E-3	0.005	1.685
14.05	1.01	1.30	0.77	0.52	68.60	29.51	88.96	0.812	4.9E-3	0.005	1.690
14.00	1.01	1.30	0.77	0.52	68.60	29.55	89.06	0.806	4.8E-3	0.005	1.695
13.95	1.01	1.30	0.77	0.53	68.60	29.60	89.15	0.801	4.8E-3	0.005	1.700
13.90	1.01	1.30	0.77	0.53	68.60	29.64	89.25	0.795	4.8E-3	0.005	1.705
13.85	1.01	1.30	0.77	0.54	68.60	29.69	89.35	0.789	4.7E-3	0.005	1.709

13.80	1.01	1.30	0.77	0.54	68.60	29.73	89.45	0.784	4.7E-3	0.005	1.714
13.75	1.01	1.30	0.77	0.55	68.60	29.78	89.56	0.778	4.7E-3	0.005	1.719
13.70	1.01	1.30	0.77	0.55	68.60	29.82	89.66	0.772	4.6E-3	0.005	1.723
13.65	1.01	1.30	0.77	0.56	68.60	29.87	89.76	0.766	4.6E-3	0.005	1.728
13.60	1.01	1.30	0.77	0.57	68.60	29.91	89.86	0.760	4.6E-3	0.005	1.732
13.55	1.01	1.30	0.78	0.58	68.60	29.96	89.97	0.754	4.5E-3	0.005	1.737
13.50	1.01	1.30	0.78	0.59	68.60	30.01	90.07	0.748	4.5E-3	0.004	1.741
13.45	1.01	1.30	0.78	0.61	68.60	30.05	90.18	0.742	4.5E-3	0.004	1.746
13.40	1.01	1.30	0.78	0.63	68.60	30.10	90.29	0.736	4.4E-3	0.004	1.750
13.35	1.01	1.30	0.78	0.64	68.60	30.15	90.39	0.730	4.4E-3	0.004	1.755
13.30	1.01	1.30	0.78	0.64	68.60	30.20	90.50	0.724	4.3E-3	0.004	1.759
13.25	1.01	1.30	0.78	0.64	68.60	30.24	90.61	0.718	4.3E-3	0.004	1.763
13.20	1.01	1.30	0.78	0.64	68.60	30.29	90.72	0.712	4.3E-3	0.004	1.768
13.15	1.01	1.30	0.78	0.64	68.60	30.34	90.83	0.706	4.2E-3	0.004	1.772
13.10	1.01	1.30	0.78	0.64	68.60	30.39	90.94	0.700	4.2E-3	0.004	1.776
13.05	1.01	1.30	0.78	0.64	68.60	30.44	91.06	0.693	4.2E-3	0.004	1.780
13.00	1.01	1.30	0.78	0.64	68.60	30.49	91.17	0.687	4.1E-3	0.004	1.784
12.95	1.01	1.30	0.78	0.64	68.60	30.54	91.28	0.681	4.1E-3	0.004	1.788
12.90	1.01	1.30	0.78	0.64	68.60	30.59	91.40	0.675	4.0E-3	0.004	1.793
12.85	1.01	1.30	0.78	0.64	68.60	30.64	91.52	0.668	4.0E-3	0.004	1.797
12.80	1.01	1.30	0.78	0.64	68.60	30.69	91.63	0.662	4.0E-3	0.004	1.800
12.75	1.01	1.30	0.78	0.64	68.60	30.74	91.75	0.655	3.9E-3	0.004	1.804
12.70	1.01	1.30	0.78	0.64	68.60	30.79	91.87	0.649	3.9E-3	0.004	1.808
12.65	1.01	1.30	0.78	0.64	68.60	30.84	91.99	0.642	3.9E-3	0.004	1.812
12.60	1.01	1.30	0.78	0.64	68.60	30.89	92.11	0.636	3.8E-3	0.004	1.816
12.55	1.01	1.30	0.78	0.64	68.60	30.94	92.23	0.629	3.8E-3	0.004	1.820
12.50	1.01	1.30	0.78	0.64	68.60	31.00	92.35	0.622	3.7E-3	0.004	1.823
12.45	1.01	1.30	0.78	0.64	68.60	31.05	92.48	0.616	3.7E-3	0.004	1.827
12.40	1.01	1.30	0.78	0.64	68.60	31.10	92.60	0.609	3.7E-3	0.004	1.831
12.35	1.01	1.30	0.78	0.64	68.60	31.16	92.73	0.602	3.6E-3	0.004	1.834
12.30	1.01	1.30	0.78	0.64	68.60	31.21	92.85	0.595	3.6E-3	0.004	1.838
12.25	1.01	1.30	0.78	0.64	68.60	31.26	92.98	0.589	3.5E-3	0.004	1.842
12.20	1.01	1.30	0.78	0.64	68.60	31.32	93.11	0.582	3.5E-3	0.003	1.845
12.15	1.01	1.30	0.78	0.64	68.60	31.37	93.24	0.575	3.4E-3	0.003	1.848
12.10	1.01	1.30	0.78	0.64	68.60	31.43	93.37	0.568	3.4E-3	0.003	1.852
12.05	1.01	1.30	0.78	0.64	68.60	31.48	93.50	0.561	3.4E-3	0.003	1.855
12.00	1.01	1.30	0.78	0.64	68.60	31.54	93.64	0.554	3.3E-3	0.003	1.859
11.95	1.01	1.30	0.78	0.64	68.60	31.59	93.77	0.546	3.3E-3	0.003	1.862
11.90	1.01	1.30	0.78	0.64	68.60	31.65	93.91	0.539	3.2E-3	0.003	1.865
11.85	1.01	1.30	0.78	0.64	68.60	31.70	94.04	0.532	3.2E-3	0.003	1.868
11.80	1.01	1.30	0.78	0.64	68.60	31.76	94.18	0.525	3.1E-3	0.003	1.871
11.75	1.01	1.30	0.78	0.64	68.60	31.82	94.32	0.518	3.1E-3	0.003	1.875
11.70	1.01	1.30	0.78	0.64	68.60	31.88	94.46	0.510	3.1E-3	0.003	1.878
11.65	1.01	1.30	0.78	0.64	68.60	31.93	94.60	0.503	3.0E-3	0.003	1.881
11.60	1.01	1.30	0.78	0.64	68.60	31.99	94.74	0.493	3.0E-3	0.003	1.884
11.55	1.01	1.30	0.78	0.64	68.60	32.05	94.89	0.482	2.9E-3	0.003	1.886
11.50	1.01	1.30	0.78	0.64	68.60	32.11	95.03	0.470	2.8E-3	0.003	1.889
11.45	1.01	1.30	0.78	0.64	68.60	32.17	95.18	0.459	2.8E-3	0.003	1.892
11.40	1.01	1.30	0.78	0.64	68.60	32.23	95.33	0.447	2.7E-3	0.003	1.895
11.35	1.01	1.30	0.78	0.64	68.60	32.29	95.48	0.435	2.6E-3	0.003	1.897
11.30	1.01	1.30	0.78	0.64	68.60	32.35	95.63	0.424	2.5E-3	0.003	1.900
11.25	1.01	1.30	0.78	0.64	68.60	32.41	95.78	0.412	2.5E-3	0.002	1.902
11.20	1.01	1.30	0.78	0.64	68.60	32.47	95.93	0.400	2.4E-3	0.002	1.905
11.15	1.01	1.30	0.78	0.64	68.60	32.53	96.09	0.388	2.3E-3	0.002	1.907
11.10	1.01	1.30	0.78	0.64	68.60	32.60	96.24	0.376	2.3E-3	0.002	1.909
11.05	1.01	1.30	0.78	0.64	68.60	32.66	96.40	0.364	2.2E-3	0.002	1.912
11.00	1.01	1.30	0.78	0.64	68.60	32.72	96.56	0.351	2.1E-3	0.002	1.914
10.95	1.01	1.30	0.78	0.64	68.60	32.79	96.72	0.339	2.0E-3	0.002	1.916
10.90	1.01	1.30	0.78	0.64	68.60	32.85	96.88	0.327	2.0E-3	0.002	1.918
10.85	1.02	1.30	0.78	0.64	68.60	32.91	97.05	0.314	1.9E-3	0.002	1.920
10.80	1.02	1.30	0.78	0.64	68.60	32.98	97.21	0.302	1.8E-3	0.002	1.921
10.75	1.02	1.30	0.78	0.64	68.60	33.04	97.38	0.289	1.7E-3	0.002	1.923
10.70	1.02	1.30	0.78	0.64	68.60	33.11	97.55	0.276	1.7E-3	0.002	1.925
10.65	1.02	1.30	0.78	0.64	68.60	33.17	97.72	0.263	1.6E-3	0.002	1.926
10.60	1.02	1.30	0.78	0.64	68.60	33.24	97.89	0.250	1.5E-3	0.002	1.928
10.55	1.02	1.30	0.78	0.64	68.60	33.31	98.07	0.237	1.4E-3	0.001	1.929
10.50	1.02	1.30	0.78	0.64	68.60	33.38	98.24	0.224	1.3E-3	0.001	1.931
10.45	1.02	1.30	0.78	0.64	68.60	33.44	98.42	0.211	1.3E-3	0.001	1.932
10.40	1.02	1.30	0.78	0.64	68.60	33.51	98.60	0.200	1.2E-3	0.001	1.933
10.35	1.02	1.30	0.78	0.64	68.60	33.58	98.78	0.197	1.2E-3	0.001	1.934
10.30	1.02	1.30	0.78	0.64	68.60	33.65	98.96	0.195	1.2E-3	0.001	1.935
10.25	1.02	1.30	0.78	0.64	68.60	33.72	99.14	0.193	1.2E-3	0.001	1.937
10.20	1.02	1.30	0.78	0.64	68.60	33.79	99.33	0.191	1.1E-3	0.001	1.938

10.15	1.02	1.30	0.78	0.64	68.60	33.86	99.52	0.188	1.1E-3	0.001	1.939
10.10	1.02	1.30	0.78	0.64	68.60	33.93	99.71	0.186	1.1E-3	0.001	1.940
10.05	1.02	1.30	0.78	0.64	68.60	34.00	99.90	0.184	1.1E-3	0.001	1.941
10.00	1.02	1.30	0.78	0.64	68.60	34.08	100.00	0.181	1.1E-3	0.001	1.942

Settlement of Saturated Sands=1.942 in.
qc1 and (N1)60 is after fines correction in liquefaction analysis
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Settlement of Unsaturated Sands:

Depth	sigma'	sigC'	(N1)60s	CSRsf	Gmax	g*Ge/Gm	g_eff	ec7.5	Cec	ec	dsz	dsp	S
ft	atm	atm			atm			%		%	in.	in.	in.

Settlement of Unsaturated Sands

Settlement of Unsaturated Sands=0.000 in.
dsz is per each segment, dz=0.05 ft
dsp is per each print interval, dp=0.05 ft
S is cumulated settlement at this depth

Total Settlement of Saturated and Unsaturated Sands=1.942 in.
Differential Settlement=0.971 to 1.282 in.

Units: Unit: qc, fs, Stress or Pressure = atm (1.0581tsf); Unit Weight = pcf; Depth = ft; Settlement = in.

1 atm (atmosphere) = 1.0581 tsf(1 tsf = 1 ton/ft2 = 2 kip/ft2)
1 atm (atmosphere) = 101.325 kPa(1 kPa = 1 kN/m2 = 0.001 Mpa)

SPT	Field data from Standard Penetration Test (SPT)
BPT	Field data from Becker Penetration Test (BPT)
qc	Field data from Cone Penetration Test (CPT) [atm (tsf)]
fs	Friction from CPT testing [atm (tsf)]
Rf	Ratio of fs/qc (%)
gamma	Total unit weight of soil
gamma'	Effective unit weight of soil
Fines	Fines content [%]
D50	Mean grain size
Dr	Relative Density
sigma	Total vertical stress [atm]
sigma'	Effective vertical stress [atm]
sigC'	Effective confining pressure [atm]
rd	Acceleration reduction coefficient by Seed
a_max.	Peak Ground Acceleration (PGA) in ground surface
mZ	Linear acceleration reduction coefficient X depth
a_min.	Minimum acceleration under linear reduction, mZ
CRRv	CRR after overburden stress correction, CRRv=CRR7.5 * Ksig
CRR7.5	Cyclic resistance ratio (M=7.5)
Ksig	Overburden stress correction factor for CRR7.5
CRRm	After magnitude scaling correction CRRm=CRRv * MSF
MSF	Magnitude scaling factor from M=7.5 to user input M
CSR	Cyclic stress ratio induced by earthquake
CSRfs	CSRfs=CSR*fs1 (Default fs1=1)
fs1	First CSR curve in graphic defined in #9 of Advanced page
fs2	2nd CSR curve in graphic defined in #9 of Advanced page
F.S.	Calculated factor of safety against liquefaction F.S.=CRRm/CSRsf
Cebs	Energy Ratio, Borehole Dia., and Sampling Method Corrections
Cr	Rod Length Corrections
Cn	Overburden Pressure Correction
(N1)60	SPT after corrections, (N1)60=SPT * Cr * Cn * Cebs
d(N1)60	Fines correction of SPT
(N1)60f	(N1)60 after fines corrections, (N1)60f=(N1)60 + d(N1)60
Cq	Overburden stress correction factor
qc1	CPT after Overburden stress correction
dqc1	Fines correction of CPT
qc1f	CPT after Fines and Overburden correction, qc1f=qc1 + dqc1

qc1n	CPT after normalization in Robertson's method
Kc	Fine correction factor in Robertson's Method
qc1f	CPT after Fines correction in Robertson's Method
Ic	Soil type index in Suzuki's and Robertson's Methods
(N1)60s	(N1)60 after settlement fines corrections
CSRm	After magnitude scaling correction for Settlement calculation CSRm=CSRsf / MSF*
CSRfs	Cyclic stress ratio induced by earthquake with user inputed fs
MSF*	Scaling factor from CSR, MSF*=MSF, based on Item 2 of Page C.
MSF	Magnitude scaling factor from M=7.5 to user input M
ec	Volumetric strain for saturated sands
dz	Calculation segment, dz=0.050 ft
dsz	Settlement in each segment, dz
dp	User defined print interval
dsp	Settlement in each print interval, dp
Gmax	Shear Modulus at low strain
g_eff	gamma_eff, Effective shear Strain
g*Ge/Gm	gamma_eff * G_eff/G_max, Strain-modulus ratio
ec7.5	Volumetric Strain for magnitude=7.5
Cec	Magnitude correction factor for any magnitude
ec	Volumetric strain for unsaturated sands, ec=Cec * ec7.5
NoLiq	No-Liquefy Soils

References:

1. NCEER Workshop on Evaluation of Liquefaction Resistance of Soils. Youd, T.L., and Idriss, I.M., eds., Technical Report NCEER 97-0022.
SP117. Southern California Earthquake Center. Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for
Analyzing and Mitigating Liquefaction in California. University of Southern California. March 1999.
2. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING AND SEISMIC SITE RESPONSE EVALUATION, Paper No. SPL-2, PROCEEDINGS: Fourth
International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics, San Diego, CA, March 2001.
3. RECENT ADVANCES IN SOIL LIQUEFACTION ENGINEERING: A UNIFIED AND CONSISTENT FRAMEWORK, Earthquake Engineering Research Center,
Report No. EERC 2003-06 by R.B Seed and etc. April 2003.

September 17, 2018
W.O. 6792A

APPENDIX C

RESPONSE TO CITY OF LOS ANGELES

REVIEW LETTER DATED AUGUST 9, 2018

APPENDIX C

RESPONSE TO CITY OF LOS ANGELES

REVIEW LETTER DATED AUGUST 9, 2018

The following is an item-by-item response to the City of Los Angeles Correction Letter dated August 9, 2018.

Comment 1

Revise the liquefaction analyses to calculate the cyclic stress ratio, CSR based on a historically high ground water at the surface. Based on the historical highest groundwater contour map the groundwater is said to be at the surface.

Response to Comment 1

Acknowledged. The liquefaction analysis has been revised considering groundwater at the surface. Diagrams and detailed output of the liquefaction and seismic settlement analyses are provided in Appendix B.

Comment 2

Revise the geologic cross section showing existing and proposed grades and structures. Clarify and show the depth of the proposed basement.

Response to Comment 2

The geologic cross section has been updated accordingly with the latest development plan. It should be noted that basements are no longer proposed. The revised cross-sections are included herein as Plate 2.

Comment 3

Provide additional cross section transverse to Section A-A'.

Response to Comment 3

Acknowledged. A new cross section B-B', transverses section A-A' and has been added to Plate 2, Geologic Cross-Sections.

Appendix C

Comment 4

Provide temporary and permanent groundwater control recommendations. Note: The Department requires that in the event of the proposed depth below grade of the lowest building finish floor level will be near or below the historically highest ground water level or the current ground water level, temporary and permanent ground water control recommendations shall be provided.

Response to Comment 4

As discussed in the response to Comment 2, basements are no longer proposed and the lowest building finish floor level is now proposed at the ground surface.

Comment 5

Provide complete recommendations for shoring (including surcharge pressure magnitude from adjacent foundations), or underpinning, in the event that any excavation would remove lateral support to the public way, adjacent property or an existing structure. Include cross-section(s) showing the number of stories, and location of the structures(s) adjacent to the excavation.

Response to Comment 5

The originally proposed basement has been eliminated and removals are restricted to the upper few feet of existing ground surface; therefore, shoring is not considered necessary.

Comment 6

Provide justification and appropriate laboratory testing for all layers considered non-potentially liquefiable (based on the screening criteria followed by the consultant) to substantiate such argument. B-3-18 layers 10 feet to 40 feet were deemed as non-liquefiable but Atterberg limits were done only the 20' sample.

Response to Comment 6

Acknowledged. The revised liquefaction analysis constrains the soil layers deemed non-potentially liquefiable. The boring in question, B-3-18, now considers non-liquefiable material to be from 20 to 40 feet.

Appendix C

Comment 7

Provide a statement of responsibility indicating that you have reviewed and concurred with the field work, laboratory test data, recommendations and/or report prepared by Beveren & Butelo and Kehoe Testing and Engineering. P/BC 2017-113.

Response to Comment 7

GeoSoils Consultants, Inc. has reviewed the field work, lab data, and recommendations prepared by the previous consultant, Beveren & Butelo, and consider their findings to be appropriate. The CPT testing from Kehoe Testing and Engineering corresponds with data obtained from subsurface exploration performed by Van Beveren & Butelo.

Comment 8

For down drag force calculations provide a depth to the neutral plane.

Response to Comment 8

As discussed in this report, deepened foundation recommendations are no longer a part of the proposed development as a result of the existing fill being suitable for structural support.

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FRANK M. BUSH
GENERAL MANAGER
SUPERINTENDENT OF BUILDING

OSAMA YOUNAN, P.E.
EXECUTIVE OFFICER

SOILS REPORT REVIEW LETTER

August 9, 2018

LOG # 104567
SOILS/GEOLOGY FILE - 2
LIQ

Sportsmens Lodge Owner LLC
430 Park Ave Ste 505
New York, NY 10022

TRACT:	PM 353
BLOCK:	---
LOT(S):	A (ARB:1)
LOCATION:	12825-12833 W VENTURA BLVD

CURRENT REFERENCE REPORT/LETTER(S)	REPORT No.	DATE OF DOCUMENT	PREPARED BY
Soils Report	W.O. 6792A	03/22/2018	GeoSoils Consultants, Inc.
Oversized Doc(s).	"	"	"

The Grading Division of the Department of Building and Safety has reviewed the referenced report(s) that provide(s) recommendations for the proposed to demolish the existing structure and construct a one to two story commercial building over a basement. The site is currently developed with an existing banquet facility and associated parking hardscape. Subsurface exploration performed by the consultant consisted of seven hollow-stem auger borings to a maximum depth of 70 feet. The earth materials at the subsurface exploration locations consist of up to 18 feet of uncertified fill underlain by alluvium and claystone and siltstone bedrock. The consultants recommend to support the proposed structure(s) on drilled-pile foundations bearing on native undisturbed soils up to a minimum of 45 feet deep.

The site is located in a designated liquefaction hazard zone as shown on the Seismic Hazard Zones map issued by the State of California.

The review of the subject report(s) cannot be completed at this time and will be continued upon submittal of an addendum to the report which shall include, but not be limited to, the following:

(Note: Numbers in parenthesis ( ) refer to applicable sections of the 2017 City of LA Building Code. P/BC numbers refer the applicable Information Bulletin. Information Bulletins can be accessed on the internet at LADBS.ORG.)

1. Revise the liquefaction analyses to calculate the cyclic stress ratio, CSR based on a historically high ground water at the surface. Based on the historical highest groundwater contour map the groundwater is said to be at the surface.

2. Revise the geologic cross section showing existing and proposed grades and structures. Clarify and show the depth of the proposed basement.

3. Provide additional cross section transverse to Section A-A'

4. Provide temporary and permanent ground water control recommendations. Note: The Department requires that in the event the proposed depth below grade of the lowest building finish floor level will be near or below the historically highest ground water level or the current ground water level, temporary and permanent ground water control recommendations shall be provided.

5. Provide complete recommendations for shoring (including surcharge pressure magnitude from adjacent foundations), or underpinning, in the event that any excavation would remove lateral support to the public way, adjacent property or an existing structure. Include cross-section(s) showing the number of stories, and location of the structure(s) adjacent to the excavation.

6. Provide justification and appropriate laboratory testing for all layers considered non-potentially liquefiable (based on the screening criteria followed by the consultant) to substantiate such argument. B-3-18 Layers 10 feet to 40 feet were deemed as non-liquefiable but Atterberg limits were done only on the 20' sample.

7. Provide a statement of responsibility indicating that you have reviewed and concurred with the field work, laboratory test data, recommendations and/or report prepared by Beveren & Butelo and Kehoe Testing and Engineering. P/BC 2017-113

8. For down drag force calculations provide a depth to the neutral plan.

The soils engineer shall prepare a report containing an itemized response to the review items indicated in this letter. If clarification concerning the review letter is necessary, the report review engineer may be contacted. Two copies of the response report, including one unbound wet-signed original for archiving purposes, a pdf-copy of the complete report in a CD or flash drive, and the appropriate fees will be required for submittal.

DAN RYAN EVANGELISTA
Structural Engineering Associate II

DRE/dre
Log No. 104567
213-482-0480

cc: Kelly Kaine, Applicant
GeoSoils Consultants, Inc., Project Consultant
VN District Office