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The Thermal Evolution of Alpine Magma-poor Hyperextended Rift Margins: Constraints from Apatite U-Pb Thermochronometry

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The Thermal Evolution of Alpine Magma-poor Hyperextended Rift Margins: Constraints from Apatite U-Pb Thermochronometry

by

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Abstract

The Thermal Evolution of Alpine Magma-poor Hyperextended Rift Margins: Constraints from Apatite U-Pb Thermochronometry

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The Tasna and and Err-Platta areas of Eastern Switzerland expose one of the best-preserved fossil rifted margins in the world and have been critical to the development of tectonic models for magma-poor hyperextended rift margins. The fossil continental margins formed during Jurassic extension between the Adriatic and Europe plates, which resulted in the opening of the Alpine Tethys. The Cretaceous-Eocene closure of the Alpine Tethys and subsequent Alpine orogeny exhumed remnants of the Alpine Tethyan margins and emplaced them in the Alps where they are currently preserved. The exposed fossil margins provide an excellent opportunity to advance the understanding of the thermal evolution of magma-poor hyperextended margins, something relatively poorly constrained due to the inaccessibility of current deepwater margins and collision related thermal overprinting of common low-temperature thermochronometers at the Alpine Tethyan margins. However, more intermediate temperature thermochronometers may be used to bypass the Alpine thermal imprint and directly observe the thermal signature imparted on basement units of the Alpine Tethyan margins. Apatite U-Pb has a thermal sensitivity window of ~375-550 °C and is analytically feasible to measure using LA-ICP-MS due to technological and methodological advancements made over the past decade.

Apatite and zircon U-Pb data collected in crustal transects across both Tasna and Err elucidates the thermal evolution of each margin and places new paleogeographic constraints on each unit. An abundance of Late Carboniferous to Early Permian zircon U-Pb ages from Tasna and Err indicate both units were derived from Late Variscan influenced domains. Predominantly Late Carboniferous and Triassic apatite U-Pb ages from the Err margin indicate that during rifting it remained in a primarily upper crustal position of the distal lower-plate margin of the Piemont-Liguria. In contrast a wide array of apatite U-Pb ages from Tasna, ranging from Early Permian to Middle Jurassic, indicate the primarily middle- and lower-crustal position of the unit until its' exhumation during the Jurassic opening of the Piemont-Liguria. Based on both margins zircon and apatite U-Pb ages a new model detailing the paleogeographic and tectonic evolution of the Alpine Tethys is proposed to explain the data collected for this study.

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Chapter 1: Motivation

The motivation for this thesis originates from the significant uncertainties in models that attempt to explain the temporal and thermal evolution/progression of rifting and continental break-up at hyperextended magma-poor rifted margins. These margins are subject to significant academic and industry interest in light of their importance to understanding plate-tectonic processes leading to continental breakup and hydrocarbon exploration at deep continental margins. It has been recognized that these magma-poor margins play an important role in plate tectonics and the paleogeographic evolution of our planet. As such, considerable effort and resources have been invested into furthering our understanding of these important deepwater tectonic systems and models have been put forward attempting to constrain their geometric evolution and subsidence history. These models for magma-poor rift margins draw on information both from reflection and refraction seismic and core data from modern continental margins and from fossil rift margins. In general, the acquisition of data at modern margins is expensive or of inefficient quality and access to this data is often proprietary. Due to the expense, limited availability, and low-resolution coverage of data from deepwater modern hyperextended magma-poor margins, significant emphasis has been placed on studying exhumed fossil continental rift margins that are preserved in collisional mountain belts. These exhumed fossil margins act as on-land analogues and tend to be far more accessible. In particular, remnants of Jurassic and Cretaceous Tethyan margins, preserved in the Alps and Pyrenees due to the Cretaceous to Cenozoic orogeny, provide world-class field laboratories where orogenic overprinting is limited and observations regarding the ocean margins can still be made. Furthermore, rock samples for analytical work are readily available and in sufficient quantity; an additional problem of modern continental margins, even if studied and drilled by industry or internal academic consortia (e.g., IODP). In-depth study has been undertaken in order to describe the sedimentary and structural evolution of these Alpine Tethyan margins and these observations compared to data and concepts from modern deepwater margins to help guide models of the evolution of hyperextended magma-poor margins. However, the temporal and thermal evolution of

magma-poor rifted margins remains poorly resolved, inhibiting the more complete understanding of lithospheric processes governing continental breakup in the absence of excessive magmatism.

In the Alps, geo- and thermochronometric tools have been used in an attempt to understand the thermal evolution of the margins during rifting and hyperextension. However, previous attempts to constrain the thermal conditions during progressive Alpine Tethyan rifting using low-temperature thermochronometers have been largely unsuccessful due to thermal and metamorphic overprinting related to the Alpine orogeny. In contrast, zircon U-Pb crystallization ages generally do not shed light on rift-related processes and in the Alps mostly record the pre-rift Variscan history experienced by the Alpine basements. However, methodological and analytical advances in moderate temperature thermochronometry (~350-600 °C) offer the unprecedented opportunity to investigate rift-related middle- and lower-crustal tectonic processes that were not obscured by subsequent collisional tectonics. In particular, apatite U-Pb thermochronology, with a thermal sensitivity window of 375-550 °C, can provide an opportunity to study the thermal history of middle and lower crustal units exhumed during continental crifting and breakup along the Alpine Tethyan. Recent analytical advances in LA-ICP-MS methodology, allowing for the determination of reliable apatite U-Pb thermochronology, paired with the unique opportunity of obtaining critical new data from Alpine Tethyan margins, have been the main motivating factors for the first portion of this project.

Chapter 2 presents a systematic zircon and apatite U-Pb thermochronometry study of the Err-Bernina and Tasna fossil rift margins in Eastern Switzerland. The study presents new insights into the thermal evolution of these Alpine Tethyan margins and discusses their tectonic and paleogeographic implications as well as the implications for the understanding of modern deepwater margins and continental breakup. This chapter entitled “The Thermal Evolution of Alpine Magma-poor Hyperextended Rift Margins: Constrants from Apatite U-Pb Thermochronometry” has been written in manuscript

format and will be submitted to the journal Tectonics with co-authors D. Stockli and F. Galster.

The second portion (Chapter 3) of this thesis stems from analytical observations made while performing LA-ICP-MS depth profile analysis for apatite U-Pb thermochronology. The depth-profile data for apatite exhibited significant down-hole variations in U and Th concentrations that allowed for the definition of an intra-grain mixing line between the radiogenic Pb and common Pb components. This in turn allows for the intra-grain common lead correction and U-Pb age determination. This intra-grain common lead correction and U-Pb determination allows for reliable apatite U-Pb age determination in the absence of a co-genetic U-free mineral phase. This opens the door for reliable detrital apatite U-Pb dating and provenance studies, previously not possible due to aforementioned methodological limitations. This chapter entitled "Intra-grain Common Pb Correction and Detrital Apatite U-Pb Dating via LA-ICP-MS Depth Profiling" has been written in manuscript format and will submitted for publication to the journal Earth and Planetary Science Letters with co-authors D. Stockli and F. Galster.

Chapter 2: The Thermal Evolution of Alpine Magma-poor Hyperextended Rift Margins: Constraints from Apatite U-Pb Thermochronometry

INTRODUCTION

Major advances have taken place over the past decades regarding the understanding of the structural and stratigraphic evolution of magma-poor hyperextended continental rifted margins (e.g., Whitmarsh et al., 2001; Lavier and Manatschal, 2006; Reston, 2009; Peron-Pinvidic and Manatschal., 2009; Unternehr et al., 2010; Mohn et al., 2012; Tugend et al., 2014; Clerc et al., 2017). These magma-poor margins share overall geometric and evolutionary similarities which have been used to define general architectural characteristics of these types of margins. The broad architectural zones commonly interpreted in magma-poor rift margins through geophysical data and on-land observations are the proximal margin, preserving normal faulting associated with diffuse initial extension and stretching, a necking domain, a highly attenuated or hyperextended distal margin, and a exhumed mantle (Figure 1a). In contrast to magma-rich margins, the ocean-continent transition (OCT) in magma-poor rift systems is not formed by the interface between continental crust and magmatic oceanic crust, but rather represents the point of crustal separation and the transition to an exhumed sub-lithospheric mantle domain (Boillot et al., 1987). While magma-poor rifted margins throughout the world share many of these architectural traits, they also exhibit diverse characteristics regarding their structural, stratigraphic, and magmatic evolution that are likely attributable to structural and thermal inheritance (Clerc et al., 2017).

The proximal rift margin domains preserve high-angle normal faults and extensional basins that formed in the early stages of rifting characteristic of a limited amount of crustal stretching (Froitzheim and Eberli, 1990; Kusznir and Karner, 2007). The necking domain is a narrow area between the proximal and distal margin over which extreme crustal thinning occurs over a short distance (50-60 km) (e.g., Lau et al., 2006;

Osmundsen and Ebbing, 2008; Mohn et al., 2012). It has been linked to the point of mechanical coupling of the upper and lower crust, resulting in necking of the crust (Brun and Beslier, 1996). The distal margin undergoes extreme crustal attenuation (hyperextention) after necking as strain is localized towards the rift axis during progressive rifting. This rift evolution stage is characterized by crustal hyperextension accommodated by low-angle detachment faulting and followed by crustal separation and exhumation of lithospheric mantle (Froitzheim et al., 1998). While these models, detailing the evolution of magma-poor margins, elegantly explain geometric and structural observations, there is limited knowledge on the thermal and temporal evolution of magma-poor hyperextended rift systems. In large part this is due to the inaccessibility of these systems, as modern hyperextended rifted margins, such as the Brazilian, Iberia-Newfoundland, SE Indian margins, are located either in deepwater settings or buried by thick syn- or post-rift sedimentary sequences (Froitzheim and Eberli, 1990; Whitmarsh et al., 2001; Masini et al., 2012).

While extensive geophysical data have elucidated the geometries of hyperextended rifted margins, limited core availability has hindered the understanding of many aspects of the tectonic, thermal, and stratigraphic evolution and governing processes (Péron-Penvidic et al., 2007; Reston, 2009; Clerc et al., 2017). The difficulty in studying modern margins has been partially overcome through the recognition and investigation of exhumed fossil margins within orogenic belts that provide the opportunity for field-based observations and sampling (e.g., Beltrando et al., 2015; Smye and Stockli, 2015; Seymour et al., 2016; Hart et al., 2017). These fossil rift margins were exhumed due to subsequent ocean closure and continental collisions, but also experienced major structural and metamorphic orogenic overprinting. Two such fossil margins are preserved in the European Alps of Switzerland that experienced only limited Alpine deformation and moderate low-greenschist facies metamorphic overprinting (e.g., Trumpy, 1975; Froitzheim et al., 1998; Manatschal, 2004). The Adriatic Err and the Briançonnais Tasna margins are preserved in Alpine thrust sheets and provide an

opportunity to study the structural, thermal, and stratigraphic evolution of the Alpine Tethyan rifted margins (Froitzheim and Eberli, 1990; Manatschal and Nievergelt; 1997).

While the structural and stratigraphic evolution of the complex, polyphase rifting that led to continental break-up and the formation of the Alpine Tethys has been well studied, the thermal evolution of the crust during hyperextension remains poorly understood. Low-temperature thermochronometric constraints on the pre-Alpine rifting of the Err and Tasna regions have been partially or completely overprinted by Cretaceous and Cenozoic collision-related reheated and metamorphism, reaching temperatures of 250-300 °C (e.g., Evans, 2005; Bousquet et al., 2008), erasing or obscuring the temporal and thermal history of Tethyan rifting. Metamorphic studies have shown that the Err-Platta area experienced low-greenschist facies conditions near the antigorite-in isograd, curing Cenozoic times (Frey et al., 1974). This study presents new apatite U-Pb LA-ICP-MS depth-profile thermochronometric data that records the thermal history between 350-550 °C as well as new zircon U-Pb data to elucidate the pre- and synrift thermal evolution preserved in these fossil Alpine Tethyan margins.

GEOLOGIC SETTING

The Alps are an orogenic belt that formed as a result of the two-stage closure of multiple Tethyan oceanic basins and the collision of European and the Adriatic plates (e.g., Schmid et al., 2004). The Periadriatic Fault Zone (PAFZ) separates the generally higher-grade Alpine metamorphic units to the North and West from the lower-grade metamorphosed Southern Alps. Many of the major tectonic units in the Alps are detached from their original tectonic basement and their paleogeographical affinity, and allochthonous sections are often divided into sub-units that correlate with their tectonic origin (Coward and Dietrich, 1989).

Units to the north of the PAFZ are subdivided into the following tectonic domains: (1) Austroalpine nappes: poly-metamorphosed crystalline basement of the Cretaceous Adriatic microcontinent with its para-autochtonous and allochthonous Paleozoic to Cenozoic sedimentary cover (Eberli, 1988). Most of the Austroalpine

basement units consists of upper-crustal blocks that are detached from their corresponding lower-crust and mantle lithosphere, but there is occasional preservation of Adria's middle-crust in the Austroalpine (Schmid et al., 1996; 2004). (2) Penninic nappes: The Penninic nappes encompass a large number of paleogeographic domains associated with the oceanic domain in between Adria and Europe and can be subdivided into Lower, Middle, and Upper Penninic (Frisch et al., 1994). The Lower Penninic units are primarily made up of calcschists and minor ophiolites in the east, and in the west of the "Trilogy Valaisanne"- a Cretaceous or younger sedimentary sequence attributed to the Valais basin (Trumpy, 1951) without evidence of Cretaceous ophiolites (Beltrando et al., 2007; Masson et al., 2008). Portions of the European continental margin adjacent to the North Penninic basin are also present within the Lower Penninic nappes. The Middle Penninic units are derived from the Briançonnais microcontinent and consist of pre-Carboniferous metamorphic basement, Permo-Carboniferous strata, along with Mesozoic and Cenozoic strata (Bertok et al., 2011). The Upper Penninic units consist of remnants of the Piemont-Liguria Ocean and include sedimentary fill, oceanic gabbros and basalts, exhumed subcontinental mantle, and continental fragments of the distal Apulian margin (Trumpy, 1975). (3) Helvetic and Ultrahelvetic nappes: The Helvetic and Ultrahelvetic nappes consist mainly of Mesozoic platform carbonates and Late Eocene to Early Oligocene Flysch deposits of the proximal to distal European margin (e.g., Galster et al., 2012).

Paleotectonic Evolution

The study area in eastern Switzerland exposes remnants of the Mesozoic Alpine Tethys and well-preserved fossil magma-poor continental margins within the Austroalpine and upper Penninic nappes (Fig. 2.2). The term "Alpine Tethys" here refers to the combined Piemont-Liguria and North Penninic basins, both of which developed within continental crust affected by Variscan deformation and magmatism (Stampfli, 2000). These two domains were not kinematically related to other "Tethyan" oceanic domains, such as the Neotethys, that formed to the southeast within continental crust

along the margin of Gondwana not affected by the Variscan orogeny (Haas et al., 2001; Stampfli, 2002; Stampfli and Hochard, 2009). The Piemont-Liguria Ocean resulted from the separation of European and Adriatic plates in the Jurassic, as part of the larger-scale and coeval separation of the African and European plates, the opening of the Central Atlantic, and the break-up of Pangaea (Ricou, 1994; Steiner et al., 1998; Stampfli and Borel, 2002; Handy et al., 2010). The onset of rifting in the Alpine Tethyan realm is thought to be Carnian – Sinnemurian in age as constrained by lateral thickness changes of fault-bounded sedimentary basins, that appear to record the earliest syn-rift sedimentation in the central Austroalpine domain (Froitzheim and Eberli, 1990).

Occurrence of serpentinized mantle separating continental crust from the oldest oceanic gabbros of the Alpine Tethyan (Bojacian) indicate that the initiation of sea-floor spreading was delayed for some time due to lithospheric mantle exhumation and the absence of voluminous syn-rift magmatism (e.g., Manatschal and Bernoulli, 1999; Bill et al., 1997; Manatschal and Bernoulli, 1999). According to Stampfli (1993), separation of the Iberian plate from Laurasia resulted in the opening of the Valais trough NW of the Piemont-Liguria Ocean in the Early Cretaceous, although there is ongoing debate surrounding the tectonic nature of the Valais basin (Manatschal et al., 2006; Masson et al., 2008; Galster et al., 2010). The Valais basin was situated between the European margin and the Briançonnais microcontinent – a continental ribbon that formed the Jurassic European margin of the Peimont-Liguria ocean (Trumpy, 1973). By the Late Cretaceous, the closure of the adjacent Vardar resulted in the involvement of the Adriatic margin in the Eo-Alpine Orogeny during the Cretaceous, resulting in the imbrication of Austroalpine units (Stampfli, 2000). In the Eocene, the continent-continent collision between the Adriatic and European plates, following the closure and southward subduction of the Alpine Tethys, resulted in the tectonic juxtaposition and stacking of the Adriatic, the Briançonnais, and the distal European margins with the orogenic prism of the Alps (Neubauer et al., 2000).

Formation of the Alpine Tethys

The pre-rift crustal configuration of the Alpine Tethyan margins was heavily influenced by Variscan collisional tectonics and magmatism and late Variscan orogenic collapse characterized by Permian felsic magmatism and mafic underplating (e.g., Rey et al., 2001; Ziegler and Stampfli, 2001; Petri et al., 2017). Rifting is believed to have initiated during an initial "stretching" phase dominated by diffuse extension characterized by listric normal faults bounding half-graben basins (e.g., Eberli, 1988). These faults exhibit displacements of ≤ 10 km and account for only a limited amount of tectonic subsidence and crustal thinning (Reston, 2007; Manatschal et al., 2006). Faults appear to sole into the middle crust that rheologically decouples the brittle upper crust and lower crust and mantle (Bernoulli, 1964; Schmid et al., 1996; Manatschal and Nievergelt, 1996). Bertotti (1991) illustrated that these basin-bounding faults, preserved in the proximal margin, formed during initial stretching and only reached greenschist facies conditions (300-350 °C, 10-12 km depth).

The timing of the onset of rifting in the Eastern Alps was spatially complex and diachronous due to the occurrence and spatial overlap of multiple Triassic and Jurassic rift domains (Stampfli, 2000). Diffuse rifting was likely episodic and commenced as early as the Late Triassic in response to Meliata Ocean opening, but within the Liguria-Piemont domain accelerated in the Middle Jurassic (Stampfli, 2000). Middle Jurassic rifting remained diffuse with moderate initial tectonic subsidence rates (Manatschal and Muntener, 2007). The spatial and temporal overlap interaction of at least three different extensional systems – the Meliata, Southern Alps, Alpine Tethys - makes the onset of Alpine Tethyan rifting difficult to pinpoint (Berra et al, 2009; Stampfli and Hochard, 2009). However, the first clear indication for the inception of Liguria-Piemont rifting is dated by syn-tectonic basin fill at the Alpine Tethyan proximal margin, suggesting an age of onset of the stretching phase in the Hettangian-Sinemurian (Chevalier et al., 2003). Diffuse rifting in the proximal margin appears to have ended in the middle-late Early Jurassic (Conti et al., 1994) due to progressive deformation localization at the

future distal continental margin (Lemoine et al., 1986; Bertotti et al., 1993; Manatschal and Bernoulli 1998).

Structurally the start of the "thinning" phase of rifting resulted in the formation of conjugate shear zones in both the upper crust and lower crust and upper mantle (Lavier and Manatschal, 2006). The thinning phase occurred in Pleinsbachian to Toarcian times (Eberli, 1988; Froitzheim and Eberli, 1990; Mohn et al., 2010). These large-scale shear zones accommodated thinning of the crust from 30 km to less than 10 km with deformation localized to areas between the proximal and the future distal margin known as the necking zone (Eberli, 1988; Froitzheim and Manatschal, 1996; Lavier and Manatschal, 2006; Mohn et al., 2012). The necking zone, as described in Mohn and others (2012), is a narrow (~50-65 km wide) zone of mechanical coupling that enables dramatic crustal attenuation and hyperextension to a thickness of < 10 km. Continued hyperextension of the distal margin eventually led to crustal separation and exhumation of subcontinental mantle to the seafloor. Low angle detachment faults cut from the upper crust into the upper mantle and the tectonically exhumed mantle is serpentinized at the seafloor (Whitmarsh et al., 2001). Exhumed sub-continental mantle is one of the trademarks of magma-poor rift margins as observed at the Galicia margin (Manatschal and Bernoulli, 1999; Sibuet et al., 2007). The exhumed mantle in the Piemont-Liguria domain is well documented in the interpreted ocean-continent transition (OCT) zones of of the Tasna and Err-Platta areas in the eastern Alps.

Tasna

The Tasna OCT, exposed in the Engadine Window in southeastern Switzerland (Fig. 2.2) and first identified by Florinth and Froitzheim (1994), is an exhumed fossil ocean-continent transition that appears to have been preserved in its original geometry and escaped pervasive Alpine deformation. The Tasna OCT (Fig. 2.3) is interpreted to be part of the Briançonnais microcontinent, which formed a ribbon continent of European affinity between the Piemont-Liguria Ocean and the Valais trough (Trumpy, 1955). In paleogeographic reconstructions, this places Tasna as a lower plate continental margin

farther to the east, but on the opposite side of the ocean when compared to the lower-plate Err margin. The Tasna OCT is composed of serpentinized peridotites and wedging out continental basement rocks overlain by undated post-rift black shales, known as the Tonscheifer Formation, which in turn is overlain by a sedimentary sequence of Cretaceous and Eocene calciturbidite, sandstone, and limestone (Manatschal et al., 2006). The absence of pre- and syn-rift sedimentary strata has led to the interpretation that the Tasna OCT was a local basement high. The possible seafloor exposure of the basement or a considerable period of time appears to be corroborated by the high degree of oceanic alteration of the Tasna basement rocks (Manatschal et al., 2006). Syn-rift exhumation of the Tasna mantle is constrained by $^{40}Ar/^{39}Ar$ dating of phlogopite yielding ages of ~170 Ma (Manatschal et al., 2006), indicating middle Jurassic mantle exhumation. The oldest post-rift sedimentary strata, overlying the exhumed mantle in the Tasna OCT have been dated as late Barremian to the early Aptian (Hesse, 1973; Froitzheim et al., 1998).

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Err and Platta

The most complete, preserved fossil magma-poor in the Alps is the Austroalpine Err-Bernina rift margin (Trumpy, 1975) and includes the proximal margin (Upper Austroalpine units), the necking zone (Campo and Grosina nappes), the distal margin (Err-Bernina nappe), and the ocean-continent transition (Platta nappe) (Fig. 2.2). The Err area is located in the most distal portion of the lower-plate Adriatic lower-plate margin and is characterized by low-angle detachment faults, exhumed crystalline basement, and pre- and syn-rift sedimentary strata (Manatschal and Nievergelt, 1997). The Err nappe can be divided into lower, middle, and upper tectonic slices that preserve different parts of the pre-, syn-, and post-rift stratigraphic record of the Adriatic margin can be found (e.g., Manatschal, 1995; Manatschal and Nievergelt, 1997). The crystalline basement of the Err nappe is composed of Variscan granitoids, which are unconformably overlain by Permian volcanic rocks and Permo-Triassic to Liassic pre-rift sedimentary rocks (Cornelius, 1935; Naef, 1987). Syn-rift sedimentary breccias, containing basement clasts,

unconformably overlies upper-plate pre-rift basement. The maximum age of these syn-rift strata is stratigraphically bracketed by the post-rift Middle Jurassic Radiolarite Formation (Baumgartner, 1987).

The Err crustal basement represents the most distal margin portion of the Adriatic margin, as evidenced by the lack of Liassic east-dipping listric normal faults that formed during the stretching phase, dominating the proximal margin exposed in Upper Austroalpine nappes (Froitzheim and Manatschal, 1996). The structural anatomy, dominated by low-angle detachment faults, in the Err area primarily formed during the strain localization and hyperextension starting in late Toarcian times (see Manatschal and Nievergelt, 1997; Fig. 2.4a).. The detachment fault systems truncate rotated fault blocks that contain upper-crustal continental basement and pre-rift sedimentary strata and also accommodate sub-continental mantle exhumation. In the most distal portion of the Err margin, extensional allochthons of Err crystalline basement were documented structurally overlying the exhumed mantle of the Platta nappe (Manatschal et al., 2007) (Fig. 2.4b). These allothons are similar to distended continental fragments structurally juxtaposed against exhumed, serpentinized mantle by low-angle detachment faults at modern magma-poor margins (e.g., Iberia) (Peron-Pinvidic and Manatschal, 2009).

METHODOLOGY

Zircon U-Pb Analytical Procedure

Intrusion ages of lower-plate granitic rocks were determined by depth-profile LA-IC-MS zircon U-Pb geochronology. 40 zircons each from 8 samples were picked and mounted unpolished onto double-sided adhesive tape, allowing for systematic depth profiling and the recovery of both rim and core ages for each grain (Campbell et al., 2005; Marsh and Stockli, 2015). Zircon U-Pb analyses were performed using a PhotonMachine Analyte G.2 excimer laser with a large-volume Helex sample chamber attached to a Thermo Scientific Element2 ICP-MS for U-Th-Pb isotopic analysis. Zircon grains were ablated using a 30 μm diameter spot size for 30 seconds at 10 Hz and at a 6 mJ energy set point, producing pits with depths of ~17 μm. Data were reduced and

interpreted using the VisualAge Data Reduction Scheme in IOLITE, a plug-in for the IGOR Pro software package (Paton et al., 2011; Petrus and Kamber, 2012). For U-Pb data reduction GJ1 zircon was used as the primary reference material ($^{206}Pb/^{238}U$ 601.7 ± 1.3Ma, $^{207}Pb/^{206}Pb$ 607 ± 4 Ma - Jackson et al., 2004) and Pak1 (in-house $^{206}Pb/^{238}U$ 43.03 ± 0.01 (unpublished TIMS data)) and Plesovice zircon (337.13 +/- 0.37 Slama et al., 2008). Secondary standard data were used to monitor data quality. No Pbc correction applied. Weighted $^{238}U/^{206}Pb$ mean ages of concordant zircon grains are reported for both cores and rim populations observed in samples. All ages are quoted as 2-sigma absolute error and all data are shown in Appendix A.

Apatite U-Pb Analytical Procedure

Moderate-temperature thermochronometric constraints were determined by depth-profile LA-IC-MS apatite U-Pb dating. 16 different apatite samples were analyzed from exhumed crystalline basement from both the Tasna and Err Alpine Tethyan magma-poor fossil margins for this study. Apatite was separated using standard mineral separation procedures, including jaw crushing and disc milling, Gemini water table density pre-concentration, Frantz magnetic separation, and two heavy liquid mineral separations. Apatite from these mineral separates were handpicked under a microscope (180x) and mounted onto double-sided adhesive tape on acrylic discs and analyzed unpolished via depth profile LA-ICP-MS analysis (Seymour et al., 2016).

Data was gathered using a PhotonMachine Analyte G.2 excimer laser with a Helex large-volume sample cell connected to a Thermo Scientific Element2 ICP-MS. Madagascar apatite (MAD-2, Thomson et al., 2012) was used as a primary standard to correct for isotopic and downhole fractionation, and UWA-1 (in-house standard) and McClure Mountain (Schoene and Bowring, 2006; Thomson, 2012) were used as secondary standards in order to monitor and confirm data quality. For all unknown samples >40 individual euhedral apatite grains were analyzed per sample to ensure a statistically robust single age. Laser spots were 50 μm in diameter in light of relatively low [U] in apatite (~10s of ppm). Apatite grains were ablated for 30 seconds at 10 Hz

with a 4 mJ energy. Grains were ablated perpendicular to the c-axis and pit depths were ~18 μm. All unpolished apatite were depth-profiled to recover U variations, Pb loss, and age zonations. Data were reduced and interpreted using VisualAge_UcomPbine for apatite (Chew et al., 2014), a data reduction scheme based on VizualAge DRS in the IOLITE Igor Pro plug-in (Petrus and Kamber, 2012).

Apatite U-Pb Depth-Profile LA-ICP-MS Analysis

New LA-ICP-MS technology developed over the past 15 years has revolutionized geo- and thermochronology studies enabling rapid acquisition of accessory phase U-Pb data (Gunther et al., 1997; Kosler and Sylvester, 2003; Gehrels et al., 2008). While zircon has traditionally been the mineral at the forefront of this U-Pb revolution, other minerals such as apatite, rutile, and titanite have also been developed and applied to recovery crystallization, metamorphism, and thermal evolution information (Chew et al., 2011; Thomson et al., 2012; Smye and Stockli, 2015). The Apatite U-Pb system, with a closure temperature of 375-450 °C (Cherniak et al., 1991), has the potential to record information about the timing of middle to lower crustal tectonic processes under amphibolite to eclogite facies metamorphic conditions. While apatite U-Pb dating can provide important thermal constraints, the technique has been underutilized compared to other more common geo- and thermochronometers for a number of reasons.

Until recently the lack of matrix-matched standards for an isotope fractionation correction has proven to be a major difficulty in accurate and precisely performing in situ dating of apatite by LA-ICP-MS, forcing the majority of apatite U-Pb analyses to be performed via often less efficient and more expensive techniques (e.g., ID-TIMS). Robust dating of apatite via LA-ICP-MS has recently advanced through matrix-matched reference materials, allowing for downhole fractionation correction of Pb, Th, and U during ablation and methodological and data reduction advances (e.g., Chew et al., 2011; Thompson et al., 2012; Chew and Spikings, 2015). Major factors that have inhibited the development and application of dating apatite by LA-ICP-MS are (1) the relatively low uranium concentration in apatite and (2) the incorporation of appreciable amount of non-

radiogenic common Pb (Pbc). LA-ICP-MS is generally unable to reliably measure ^{204}Pb due to interference from 204Hg in the He carrier gas, rendering the direct measurement of Pbc in apatite unfeasible.

However, there are multiple alternative avenues to obtain the Pb_c composition in apatite when dated by LA-ICP-MS: (1) a sample's Pb_c composition may be obtained by measuring the Pb_c of a U-free accessory cogenetic mineral phase (e.g., feldspar) and correcting the apatite with that composition. (2) Pbc can be accounted for graphically using a U-Pb Tera-Wasserburg Concordia diagram. Pb_c uncorrected apatite data defines a discordia/mixing line between radiogenic and Pbc, yielding values for $^{207}Pb/^{206}Pb$ (y-axis) and the $^{238}U/^{206}Pb$ age (x-axis) for muti-grain apatite data in Tera-Wasserburg U-Pb space. It should be noted that both the cogenetic feldspar correction and Tera-Wasserburg approaches may only be reliably applied to non-detrital apatite grains with a common age and Pb_c composition. However, depth-profile ICP-MS apatite U-Pb analysis has shown to be able to generate intra-grain Tera-Wasserburg U-Pb discordia arrays due to variations in [U], yielding reliable, internally-corrected apatite U-Pb ages (e.g., Chapter 3). The following section outlines the data reduction and interpretation schemes applied in this study.

Apatite U-Pb Data Reduction and Interpretation

Apatite data were reduced and interpreted using the IOLITE Igor plug-in and the VisualAge_UcomPbine data reduction scheme (Chew et al., 2014). The purpose of VisualAge_UcomPbine is to simultaneously correct for variable Pb_c and downhole fractionation by using the apatite primary reference material's variable Pb_c by referencing the ^{207}Pb value specific to that primary reference material, such as MAD-2 (Thomson et al., 2012). Pb_c often complicates apatite data reduction for both reference material and unknowns as both reference materials and unknowns almost certainly have variable Pb_c. VisualAge_UcomPbine corrects for the Pb_c in the reference material so that suitable corrections for downhole fractionation and instrument drift can be applied to the primary and unknown data. The correction for downhole fractionation is user defined and is

applied to the primary reference material, from which unknowns are corrected using the same U-Th-Pb fractionation model. Apatite U-Pb ages and Pb_c composition can then be constrained in Tera-Wasserburg U-Pb concordia space. Pb_c values for apatite reference materials were determined by ID-TIMS analysis (Schoene & Bowring, 2006, Thomson et al., 2011). After correcting for Pb_c, downhole fractionation, and instrument drift of the primary reference material, unknown data were reduced. Anomalous U or Pb_c zones in ablated apatite, observed in the time-resolved signal of progressive ablation, were filtered and excluded from the final data used to create U-Pb Tera-Wasserburg concordia diagrams to determine a apatite U-Pb age and Pb_c composition for each sample.

It is important to note that there are occasionally multiple Pb_c compositions present in apatite grains from a single sample (Chew et al., 2015). This was also observed in some of the new data from Tasna that exhibit multiple apatite populations in magmatic or high-grade metamorphic rocks that exhibit different Pb_c compositions, likely related to variable protolith or detrital inheritance. These populations can be separated from each other visually in order to observe the true cooling ages and different Pb_c compositions for each sample, rather than an age which represents a mixture between the two populations (Mark et al., 2016).

Apatite Depth Profiles and Thermal History Implications

Recent development of depth profile LA-ICP-MS offers the opportunity to not only correct internally for Pb_c, but to also determine the spatial (radial) U-Pb age distribution in single apatite grains, providing cooling history information. In this study, individual apatite crystals were depth-profiled in an attempt to more completely understand thermal history information from apatite U-Pb depth-profile age arrays. This following section describes the data reduction workflow applied in this study.

During a first step, basement apatite data from a sample were reduced using standard data reduction procedures outlined above to determine sample bulk U-Pb cooling age and Pb_c composition. In a second step, individual grain depth-profile data (30 sec total ablation duration) were subdivided into ten ~3 sec integration windows that

progressively spanned through the time-integrated wave for each grain (Fig. 2.5a). The U-Pb age for each 3 sec integration window was common lead corrected using the previously determine bulk Pb_c value for the sample. Time integration windows were depth converted using ablation rate measurements determined by pit-profile laser interferometry.

After data reduction and common lead correction of individual apatite depth-profile analyses, Pb_c corrected U-Pb ages of depth and uncertainties for each 3 sec depth interval were then plotted against the interval depth within each grain. The radial apatite U-Pb age topology was analyzed by creating age spectra, similar to $^{40}Ar/^{39}Ar$ age spectra (Fig. 2.5b), using Isoplot 4.15 (Ludwig, 2011). The different spectra topologies were subdivided into several end-members. In the subsequent data presentations, the apatite U-Pb data are grouped and graphically presented by these topological endmembers. (1) Invariant age spectra. Age-depth profiles that show now radial variation in age and define a age-invariant "plateau" age, indicative unperturbed or full reset concentration profile, suggesting very rapid cooling and a thermal history with no discernable residence time in the PRZ. The uniform "plateau" ages observed in these apatite crystals are classified as "plateau-type" (Fig. 2.6a,e). (2) Apparent diffusive loss profiles. During protracted cooling, apatite experiences Pb loss due to thermally-activated volume diffusion (Cherniak et al., 1991). Such U-Pb age profiles exhibit distinctly rounded age profiles and can be powerful recorders of continuous thermal histories. The grains observed to have diffusive loss profiles in this study were classified as "diffusion-type" (Fig. 2.6b). (3) Variable/bimodal age spectra. The age-depth profiles with variable spatial zones of ages that possible correlate with zones of diffusive loss or crystallization along cracks or fast-diffusion pathways. These types of spectra are not random, but commonly spatially alternate between two distinct and geologically meaningful age signatures. These types of spectra characterized by discrete age zones are referred to as "crack-seal-type" (Fig. 2.6c). (4) Random age spectra. It's important to note that zoning/fractures within apatite may complicate the Pb_c corrections for individual grains. While these areas of zoning or fracture provide complications in the age-depth profiles generated, they are easily

discernable and can be dealt with during data reduction. However, ill-behaved apatite U-Pb age spectra exist characterized by "random" behavior, including anomalously old step ages (>zircon U-Pb ages). These "random" spectra are likely related to inclusions or zones contaminated by Pb_c of a different isotopic composition.

RESULTS

Tasna U-Pb Results

Samples from Tasna were gathered along a SW-NE transect near Scuol, SE Switzerland (Fig. 2.7). Samples exhibit a range of cooling ages and will be presented in the SW-NE transect across the fossil rifted margin, spanning from the proximal rifted margins (SW) to the most distal rifted margin (NE). Bulk sample apatite U-Pb cooling ages and Pb_c compositions were obtained via Tera-Wasserburg U-Pb concordia diagram and age-depth profiles were generated according to the workflow outlined in the Methodology section. Weighted mean ages obtained for the age-depth profiles are of the populations internal plateau age when present with 2-sigma uncertainities.

The analyzed sample farthest to the southwest was a Tasna granite, 08TS08, which had a zircon U-Pb age of 291.7 ± 2.4 Ma (Fig. 2.8a). 08TS08 gave a bulk apatite U-Pb cooling age of 290.3 ± 5.6 Ma and a Pb_c composition of 0.8364 (Fig. 2.8b). TS16-7, a Tasna granite, gave a zircon U-Pb age of 305.5 ± 3.3 Ma (Fig. 2.9a) and a bulk apatite U-Pb cooling age of 251.8 ± 1.5 Ma with a Pb_c composition of 0.8512 (Fig. 2.9b). Age-depth profiles generated for TS16-7 were predominantly classified as plateau-type (252.1 ± 2.1 Ma, n=28), diffusion-type (273.2 ± 4.6 Ma, n=16) and crack-seal-type (274.5 ± 7.8 Ma, n=12) grains (Fig. 2.9c). TS15-1, a second Tasna granite, provided a cooling age of 254.7 ± 2.2 Ma and a Pb_c composition of 0.8399 (Fig. 2.10a) Age-depth profiles for TS15-1 were predominantly classified as plateau-type (251.0 ± 2.0 Ma, n=20) and diffusion-type (257.3 ± 2.3 Ma, n=16) grains (Fig. 2.10b). Adjacent to the Tasna granite a basement paragneiss, TS15-3, was sampled and gave an apatite U-Pb cooling age of 231.2 ± 5.1 Ma (Fig. 2.11a). Age-depth profiles generated for TS15-3 were classified as crack-seal-type (227.8 ± 12.5 Ma, n=18) and plateau-type (231.1 ± 11.0 Ma,

Comment [Office3]: Even my kids know the difference between farthest and furthest ☺

Comment [Office4]: In data table or figure use an asterisk to denote samples from Evans (2005) and then mention the reference in figure or table caption.

n=5) grains (Fig. 2.11b). A metamafic vein folded with the paragneiss, TS15-2, gave a zircon U-Pb rim age of 304.3 ± 8.1 Ma with a single core population age of 545.0 ± 5.9 Ma (Fig. 2.12a). Apatite from TS15-2 then provided a more complex Tera-Wasserburg U-Pb diagram with two populations in the Tera-Wasserburg U-Pb diagram, each forming a distinct array that indicated the presence of two unique age populations. The first population gave a cooling age of 225.8 ± 5.1 Ma while the second population gave a cooling age of 463.4 ± 7.7 Ma, with a Pb_c composition of 0.821 (Fig. 2.12b). A granite dike sampled from Alp Laret gave an apatite U-Pb age of 213.4 ± 2.1 Ma and a Pb_c composition of 0.8562 (Fig. 2.13a). Age-depth profiles generated for TS16-10 were mainly crack-seal-type (214.0 ± 8.5 Ma, n=28) and plateau-type (210.9 ± 3.2 Ma, n=9) grains (Fig. 2.13b).

Comment [Office5]: So if it's crack-seal, should you give two ages???? This is a little odd, no?

To the northeast, two gneisses were sampled at Piz Clunas, TS15-4 and TS15-6. The gneiss TS15-4 yielded a zircon U-Pb rim age of 290.4 ± 4.1 Ma with cores of 602.3 ± 8.6 Ma (Fig. 2.14a). TS15-4 gave an apatite U-Pb cooling age of 202.7 ± 5.4 and a Pb_c composition of 0.8563 (Fig. 2.14b). Age-depth profiles generated for TS15-4 displayed grains that were mainly plateau-type (203.7 ± 5.2 Ma, n=10) and crack-seal-type (197.1 ± 7.9 Ma, n=9) grains (Fig. 2.14c). TS15-6 gave a cooling age of 204.9 ± 7.2 and a Pb_c composition of 0.8512 (Fig. 2.15).

At Mot da Ri TS16-14, a migmatite situated directly above the mafic gneiss at Mot da Ri, had zircon rims aged 302.2 ± 5.7 Ma with scattered core populations (Fig. 2.16a). TS16-14 gave an apatite U-Pb cooling age of 178.3 ± 3.3 Ma and a Pb_c composition of 0.8669 (Fig. 2.16b). Age-depth profiles generated for TS16-14 displayed plateau-type (180.0 ± 5.2 Ma, n=10), diffusion-type (179.8 ± 3.6 Ma, n=7), and crack-seal-type (171.7 ± 5.5 Ma, n=11) profiles (Fig. 2.16c). The adjacent migmatite sample TS16-13 gave an apatite U-Pb cooling age of 177.3 ± 5.3 Ma and a Pb_c composition 0.8423 respectively (Fig. 2.17). Below the Mot da Ri migmatites, a gabbroic gneiss was sampled (TS16-15) and had zircon with rim ages of 278.8 ± 4.3 Ma (Fig. 2.18a). Apatite from TS16-15 gave an age of 216.2 ± 5.7 Ma and Pb_c composition of 0.8559 (Fig. 2.18b). Age-depth profiles generated for TS16-15 were predominantly plateau-type (n=41) and

Comment [Office6]: What about cores????

crack-seal-type (n=13), which had internal plateau U-Pb ages of 213.6 ± 1.4 Ma and 224.2 ± 1.8 Ma respectively (Fig. 2.18c).

Err-Platta U-Pb Results

Samples from the Err margin were collected from the Err nappe and the Platta nappe in SE Switzerland (Fig. 2.19). A sample (08FA06) from an crustal extensional allochthon sitting on exhumed mantle in the upper Platta nappe at Parsettens (Manatschal et al., 2007) gave a zircon U-Pb crystallization age of 305.9 ± 2.4 Ma (Fig. 2.20a). Apatite from 08FA06 gave a cooling age of 243.4 ± 2.1 Ma and a Pb_c composition of 0.839 (Fig. 2.20b). Age-depth profiles from 08FA06 were mainly diffusion-type (241.7 ± 7.6 Ma, n=26), plateau-type (236.7 ± 3.2 Ma, n=12), and crack-seal-type (230.4 ± 7.9 Ma, n=5) grains (Fig. 2.20c). Apatite from 08FA07 gave a cooling age of 250.9 ± 2.8 Ma and a Pb_c composition of 0.842 (Fig. 2.21).

At Piz Jenatsch in the Err nappe, the Err granite from the hanging wall of the Jenatsch detachment, PJ15-05, gave a zircon U-Pb age of 307.5 ± 2.1 Ma (Fig. 2.22a) and a statistically indistinguishable apatite U-Pb age of 307.5 ± 7.4 Ma with a Pb_c composition of 0.824 (Fig. 2.22b). Age-depth profiles generated for PJ15-05 were classified as plateau-type (n=22, 316.8 ± 2.5 Ma), and crack-seal-type (313.4 ± 4.8 Ma, n=16) grains (Fig. 2.22c). The Err detachment footwall granite sampled below Piz Laviner, 10ED03, gave a zircon U-Pb age of 303.7 ± 2.1 Ma (Fig. 2.23a). Apatite U-Pb analyses on 10ED03 gave a cooling age of 301.9 ± 4.2 Ma with a Pb_c composition of 0.7745 (Fig. 2.23b). Age-depth profiles generated for 10ED03 were plateau-type (313.2 ± 5.0 Ma, n=12), diffusion-type (321.4 ± 4.6 Ma, n=11), and crack-seal-type (312.1 ± 6.3 Ma, n=9) grains (Fig. 2.23c).

Comment [Office7]: Are these all the data???? I was convinced you had more data. You certainly collected a lot more sample, no?

DISCUSSION

Zircon U-Pb Data

Early Permian and Late Carboniferous zircon U-Pb ages can be observed throughout Tasna and are an expression of the Variscan and late Variscan orogenic and

magmatic evolution of the Tasna basement. Tasna granite TS16-7 has an age of 305.5 ± 3.3 Ma and appears to lack older inherited cores. TS15-02, a metamafic dike sampled adjacent to TS16-7 exhibits zircon rims with an age of 304.3 ± 8.1 Ma and consistent zircon cores at 545.0 ± 5.9 Ma, constraining the age of original mafic magmatism to the latest Neoproterozoic. Other migmatitic gneiss samples from Tasna display similar Carboniferous aged rims with a variety of core ages, indicating that Late Carboniferous magmatism affected most of the Tasna basement. TS16-14, a migmatitic gneiss from Mot da Ri, revealed zircon rim ages of 302.2 ± 5.7 Ma and a variety of inherited Neoproterozoic core ages (Fig. 2.16a). TS15-04, a gneiss from Piz Clunas has a slightly younger rim U-Pb age of 290.4 ± 4.1 Ma and core ages of 602.3 ± 8.6 Ma. TS16-15, a mafic gneiss sampled from Mot da Ri and interpreted by Manatschal and others (2006) to be gabbroic lower crust, is characterized by more complicated zircon U-Pb systematics, with zircon rims of 278.8 ± 4.3 Ma and scattered Cambrian to Neoproterozoic core ages. The relatively thin zircon rims in sample TS16-15 call into question the gabbroic protolith lithology of the metamafic rock directly above the serpentinized mantle. While zircon rims have been observed in lower-crustal gabbros in the Ivrea Zone (Peressini et al., 2007), the nature of the thin zircon rims in the Mot da Ri metamafic rocks indicates that only very little dissolution-recyrstallization occurred during crustal assimilation – less than would be expected in a mafic magma. The Mot da Ri mafic magmatism is likely related to major post-Variscan orogenic collapse, triggering bimodal magmatism in the Variscan belt and is observed throughout the Western, Central, and Eastern Alps (e.g., Petri et al., 2017).

Zircon U-Pb ages collected from granitic basement in the Err region display uniform Late Carboniferous ages, similar to the bulk of zircon U-Pb ages obtained from Tasna. The ~305 Ma ages for granitic intrusions, which are also observed in Tasna, are likely a result of Late Variscan magmatism and have also been observed in the Helvetic, Austroalpine, and Southern Alpine realms. These ages have been attributed to voluminous late Variscan magmatism, ranging from 310-290 Ma, caused by lithospheric thinning and orogenic collapse (Petri et al., 2017). The lack of inherited cores in all Err

Comment [Office8]: Early Paleozoic, Neoproterozoic? Let's add a qualifier

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zircons suggests that these plutons are juvenile in nature and were directly extracted from the mantle with limited crustal assimilation. However, no Nd isotopic data are currently available to further corroborate this hypothesis.

Tasna Apatite U-Pb Data and Depth Profiles

New apatite and zircon U-Pb ages presented here from the Tasna area span the entire fossil proximal to distal rift margin and the interpreted Tasna OCT. The most proximal samples analyzed from the Tasna OCT, a pair of quartz and plagioclase feldspar rich pegmatitic granites (TS15-1 and TS16-7), yielded apatite U-Pb cooling ages of 254.7 ± 2.2 Ma (TS15-1) and 251.8 ± 1.5 Ma (TS16-7). The zircon U-Pb age obtained from TS16-7 was 305.5 ± 3.3 Ma. The difference between the timing of crystallization and cooling below the apatite U-Pb ~375°C closure temperature presented here indicates that the Tasna granite either resided above the apatite U-Pb Tc for ~50 m.y. after emplacement or was reheated to >~375°C, before rapidly cooling to upper-crustal temperatures in the latest Permian to earliest Triassic. Alternatively, the apatite resided in the apatite U-Pb Partial Retention Zone (PRZ) before cooling. The U-Pb depth profiles for TS16-7 show a significant portion (n=16) of the apatite exhibiting diffusion-loss profiles with plateau portions at 275.0 ± 4.0 (Fig. 2.9c), suggestive of residence in the PRZ in late Permian times. However, the bulk of apatite grains analyzed for TS16-7 display plateau-type profiles (n=28), with the plateau age (252.1 ± 2.1 Ma mirroring the bulk sample age (251.8 ± 1.5 Ma). This discrepancy between the diffusion-type profile ages may be indicative of either variable Pb_c within some apatite or preservation of different portions of the cooling history as a function of grain size or apatite diffusion kinetics. Sample TS15-1 also has a significant portion of apatite exhibiting diffusion-type profiles (n=16) as well as plateau-type profile (n=20). However, TS15-1 diffusion- and plateau-type age profiles yield age similar ages of 257.3 ± 2.3 Ma and 254.7 ± 2.4 Ma respectively. The internal grain U-Pb age topologies for the two samples likely suggest rapid cooling in latest Permian times.

TS15-2, a gabbroic intrusion contains two distinct age groups that were identifiable in the bulk Tera-Wasserburg U-Pb diagram (Fig. 2.12b). One of the groups gives an age of 225.8 ± 5.1 Ma, while the other one gives an age of 463.4 ± 7.7 Ma. The older ages, however, are difficult to reconcile with zircon rim ages of 304.3 ± 8.1 Ma and cores aged 545.0 ± 5.9 Ma. The Ordovician U-Pb population observed should not exist in a rock that underwent zircon growth at 304 Ma, unless the growth occurred as a result of garnet breakdown at low greenschist facies conditions. Alternatively, the apparent Ordovician apatite population could be the result of zircon micro-inclusions in these apatite grains. Additional SEM imaging would be required to discount or support the zircon micro-inclusion hypothesis.

Comment [Office10]: Please correct this throughout. You cannot just called it Tera-Wasserburg.

TS15-3, a paragneiss collected directly adjacent to TS15-2, also gave a Late Triassic apatite U-Pb age of 231.2 ± 5.1 Ma, without a secondary Ordovician apatite population, possibly supporting the zircon micro-inclusion theory for sample TS15-2 (Fig. 2.11a). Apatite U-Pb age profiles generated for TS15-3 show no propensity towards diffusion-type, with the bulk of the single grain age-depth plots falling into plateau-type and crack-seal-type (n=5 and n=18, respectively). The weighted mean age of both types of profiles were near identical to the bulk sample age with the plateau profiles giving in a weighted mean age of 231.1 ± 11.0 Ma and the crack-seal profiles giving a weighted mean age of 227.5 ± 12.5 Ma (Fig. 2.11b). The lack of diffusion profiles in these ~230 Ma sample indicates rapid cooling or reheating in Carnian times. The high number of grains in the crack-seal category might be the result of complications related to dike emplacement (e.g. TS15-2) and/or hydrothermal alteration causing mineral recrystallization and intra-grain Pb_c variability.

,A granite dike from Alp Laret (TS16-10) gave an apatite U-Pb age of 213.4 ± 2.1 Ma. It is located at a higher elevation than the granite samples (TS15-1 and TS16-7), but has a slightly younger Late Triassic cooling age. This inverted age relationship is likely indicative of the presence of a small-scale Alpine thrust fault between the samples, placing structurally lower or more basinward basement on top of shallow granitic basement. The age-depth profiles created for TS16-10 (Fig. 2.13b) fall into both the

plateau-type and crack-seal-type classifications. The high number of crack-seal topologies may indicate increased fracturing in response to higher amounts of strain.

Farther northeast, two gneissic samples (TS15-6 and TS15-4) located directly above the serpentinized mantle give apatite U-Pb ages of 204.9 ± 7.2 Ma and 202.7 ± 5.4 Ma, respectively. Age-depth plots for TS15-4 (Fig. 2.14c) show a majority of plateau-type profiles with a weighted mean age being 203.7 ± 5.2 Ma, nearly identical to the bulk sample age (202.7 ± 5.4). Crack-seal profiles were also observed and are attributed to isotopic heterogeneities in apatite, likely resulting in variable Pb_c compositions. These Late Triassic to Early Jurassic ages observed in the gneissic samples from Piz Clunas continue the overall younging trend in the direction of the distal Tasna margin. This trend is continued with apatite U-Pb ages from Mot da Ri, where two migmatite samples from the hyper-thinned continental crustal wedge yield ages of 177.3 ± 5.3 Ma and 178.3 ± 3.3 Ma (TS16-13, TS16-14). These apatite U-Pb ages correlate with expected cooling and exhumation ages for the OCT, based on the $^{40}Ar/^{39}Ar$ phlogopite ages of 169.1 ± 0.4 Ma and 170.5 ± 0.4 Ma obtained from the underlying mantle at Mot da Ri (Manatschal et al., 2006).

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The gabbroic gneiss TS16-15, sampled directly below the migmatites at Mot da Ri, gave an older apatite U-Pb age of 216.1 ± 0.8 Ma (Fig. 2.18b). The age-depth profile showed an overwhelming majority of the grains followed a plateau-type profile (n=41, 213.6 ± 1.4 Ma) with no grains displaying a diffusion-type profile and only occasional grains falling into the crack-seal classification (n=13) (Fig. 2.18c). The propensity of the Mot da Ri gabbroic gneiss grains with well-behaved plateau-type spectra indicate that the gabbrooic gneiss unit at Mot da Ri spent relatively little time in the PRZ and cooled very rapidly during tectonic exhumation or after reheating in Triassic times. This apatite U-Pb cooling age inversion between the overlying migmatite complex (~170 Ma) and structurally lower gabbroic body (~216 Ma), is also likely explained by juxtaposition by an Alpine thrust.

These age data provide important constraints on both the timing of tectonic exhumation and the pre-rift structural level of crustal rocks exposed in Tasna. The

apatite U-Pb data collected from the Tasna continental margins exhibits Permian, Triassic, and Jurassic cooling ages. The overall systematically younging of ages form the proximal to the distal fossil continental margin, from ~291 to ~177 Ma, is a manifestation of the prolonged and episodic nature of tectonic and exhumation events associated with post-Variscan and Tethyan extensional processes. The full extent of this complex tectonic and thermal evolution is only resolved through high-density sampling in a structural context. Permo-Carboniferous apatite U-Pb ages in the proximal Tasna rift margin record late Variscan exhumation and cooling due to orogenic collapse and extension. The occurrence of Triassic and Jurassic apatite U-Pb cooling ages in parts of the proximal and the distal Tasna rift margin reveals a multi-stage tectonic and thermal rift evolution due to the spatial and temporal overlap of Neotethyan rift domains. Triassic apatite U-Pb ages predate initiation of Piemont-Liguria rifting and likely record the tectonic and thermal signature associated with rifting and break-up of the Meliata portion of the Neotethys. While ages overall young toward the OCT, there are some complexities, such as the cooling age from the mafic gneiss at Mot da Ri (216.1 ± 0.8 Ma) that is distinctly older than the migmatites ages (~177 Ma) directly overlying the gabbroic body. This and similar age inverse relationships of younger ages over older ages calls indicate structural juxtaposition below the apatite U-Pb closure temperature, likely associated with Alpine thrusting. While the contact between the gabbro and migmatite has been interpreted as as Variscan tectonic contact (Froitzheim and Eberli, 1994; Manatschal et al., 2006), it appears more likely that the juxtaposition is related to Alpine contractional deformation, emplacing older migmatite cooling ages over younger gabbro cooling ages. The migmatite apatite U-Pb cooling ages (~177 Ma) record exhumation from lower to middle crustal rocks in the distal Tasna margin during Piemont-Liguria continental break-up. Importantly, only the most distal portion of the Tasna margin (migmatites) represents pre-rift middle-lower crust (>400°C), while the rest of the crystalline basement, incl. the Mot da Ri gabbro, resided in the upper crust (<350°C) prior to Jurassic Tethyan rifting.

Err Apatite U-Pb Data and Depth Profiles

New apatite and zircon U-Pb data span the entire Err-Platta OCT fossil proximal to distal continental rift margin. The data show that the crustal basement sampled across the Err margin underwent a relatively uniform thermal evolution and represents only upper-crustal tectonic levels, not exhuming any lower or middle crust. Samples PJ15-05 and 10ED03 were collected from granitic basement in the core of the Err nappe that has been interpreted to be part of the distal Adriatic margin (Fig. 2.19). Apatite U-Pb ages of 307.5 ± 7.4 Ma (PJ15-05) from Piz Jenatsch are indistinguishable from the corresponding zircon U-Pb age of 307.5 ± 2.3 Ma, suggesting rapid post-magmatic cooling at very shallow Variscan upper-crustal levels. The apatite U-Pb age spectrum topologies do not exhibit any discernable concentration profile rounding also indicative of rapid cooling. The similarity of the zircon and apatite U-Pb ages and the absence of concentration profile rounding in the apatite indicate that the Err granite in the hanging wall of the Jenatsch detachment underwent rapid cooling and subsequently did not experience elevated temperature. A sample (10ED03) collected from the Albula granite at Piz Laviner in the footwall of the Err detachment shows a similar pattern with near identical zircon U-Pb (303.7 ± 2.1 Ma) and apatite U-Pb (301.9 ± 4.2 Ma) ages again suggesting rapid post-magmatic cooling and permanent subsequent residence at shallow upper-crustal levels. However, apatite U-Pb concentration profiles from the Albula granite below the Err detachment belong to the diffusive-type with very minor profile rounding, suggesting residence at slightly higher temperatures and likely pre-rift residence in the lower portion of the upper-crust.

The most distal granitic sample from the Err margin is located in the Platta area at Parsettens and comes from an extensional allochthonous block that was structurally juxtaposed against serpentinized exhumed subcontinental mantle. Similar to other dated basement rocks in the Err area, this sample (08FA06) gave a Carboniferous (305.9 ± 2.4 Ma) zircon U-Pb crystallization age. However, the apatite U-Pb age (243.4 ± 2.1 Ma) is is significantly younger and also characterized by diffusive concentration profile rounding (Fig. 2.20c). The diffusion profiles observed in apatite from the Parsettens

allochthon indicate that the grains were subject to temperatures high enough to cause limited diffusive Pb loss. This makes the Parsettens area the only basement portion of the Err margin with a significant difference between the zircon and apatite U-Pb ages. This implies that the Parsettens allochthon was exhumed from deeper pre-rift crustal structural levels, likely from the lower upper crust or middle crust and experienced a more protracted cooling history compared to the more proximal portions of the Err distal margin (i.e., Piz Laviner and Piz Jenatsch).

The samples analyzed from the Adriatic Err margin show a distinctly different pattern of cooling ages compared to those from the Tasna margin. The Err distal margin is characterized by uniform Carboniferous apatite U-Pb cooling ages that are very similar to their corresponding zircon U-Pb crystallization ages. The uniform late Variscan apatite U-Pb cooling ages demonstrate the Err basement unequivocally represents pre-rift upper crust and lacks any subsequent thermal overprinting during rifting or Alpine contraction (<<375°C). Moving oceanwards to the extensional allochthonous basement sliver overlying the exhumed sub-continental mantle at Parsettens, the apatite U-Pb age becomes slightly younger, reflecting partially reset samples exhumed from the middle or lower upper crust (Fig. 2.25). The Tasna margin exposes structurally deeper pre-rift rocks, incl. middle to lower crust in the most distal portion, compared to the predominantly upper crustal rocks at the Adriatic Err margin. Furthermore, unlike the Err margin, the Tasna margin appears to have been affected by Triassic tectonic and thermal events associated with the Meliata Tethyan domain, supporting a more eastern paleogeographic position of Tasna.

Paleogeographic Position of Err and Tasna

Err and Tasna have commonly been placed in separate paleogeographic domains throughout the evolution of the Tethys system (Trumpy, 1980). In the middle Triassic sedimentary cover of the Err basement was associated with the Austroalpine and was situated adjacent to the Meliata Ocean during Triassic times (Fig. 2.24a). The Briançonnais, which during the middle Triassic was situated at the edge of the European

plate, was further west than the Austroalpine and thus farther away from the Meliata domain (Stampfli, 2000). Throughout the rifting and opening of the Meliata Ocean in the Triassic, the European plate and the attached Briançonnais microplate experienced little tectonic activity, as evidenced by widespread and stable carbonate platform conditions present throughout the Triassic (Baud, 1976; Gisler et al., 2007; Galster et al., 2012). Rifting of the Alpine Tethyan started between the European/Briançonnais and the Austroalpine realms in the late Triassic (Schmid et al., 1987). Tasna is widely accepted to have been part of the Briançonnais domain based on the correlation of the sedimentary Tasna cover with the Gault and Couche Rouge sedimentary facies of the Briançonnais (Trumpy, 1980). However, new apatite and zircon U-Pb data presented in this study challenge the interpretation that Tasna was part of the Briançonnais microplate prior to rifting.

Zircon U-Pb ages collected from Tasna metagranites exhibit late Carboniferous to early Permian crystallization ages (Figs. 2.8a, 2.9a, 2.12a, 2.14a, 2.16a) and are likely associated with Late Variscan magmatism and orogenic collapse. These late Carboniferous ages from Tasna are distinctly different from typical zircon U-Pb ages from Briançonnais basement, which are dominated by a Permian age signature (Bertrand et al., 2000). The 310-290 Ma Tasna zircon U-Pb ages are strikingly similar to the zircon U-Pb ages from the Err area and much of the Austroalpine realm (Petri et al., 2017). In addition to the zircon U-Pb ages that show an affinity of the Tasna basement with the Austroalpine domain, apatite U-Pb cooling ages from Tasna indicate that its basement may have been part of the Austroalpine domain prior to Jurassic rifting. The Triassic apatite cooling ages observed throughout Tasna indicate exhumation or thermal influence during that time. However, Triassic cooling and exhumation appears to be incongruous with the geological evolution of the Briançonnais, in light of the stable platform conditions experienced by the Briançonnais microplate and European plate during the Triassic. The Triassic apatite ages suggest proximity to the Meliata domain during the Triassic and if Tasna were part of the Austroalpine then the observed apatite U-Pb cooling ages could be a direct result of Meliata rifting. While both the apatite and zircon

U-Pb ages presented here strongly point to an original Austroalpine affinity of Tasna , there is no doubt that the post-rift sedimentary cover of Tasna is middle Penninic and correlatable to the Briançonnais. Presented below is a model that incorporates the new zircon and apatite U-Pb ages, follows regional geologic constraints, and details the evolution of the Alpine Tethys and the relative thermo-tectonic evolution of the Err and Tasna areas.

Implications for Alpine Tethyan Rifting

In order to account for the paleogeographic positional shift of Tasna from the Austroalpine to the Briançonnais paleogeographic realm, we propose a model that exhumes Tasna northward in a lower-plate position by a southern dipping detachment system (Fig. 2.25b). This exhumation occurred during the formation of the Piemont-Liguria Ocean in the middle Jurassic and is evidenced by ~178 Ma apatite U-Pb cooling ages from the Tasna basement and ~170 Ma phlogopite $^{40}Ar/^{39}Ar$ cooling ages from the Tasna exhumed mantle. Tectonic extraction of the distal Tasna margin, in a lower-plate margin configuration, from below the Austroalpine upper-plate domain, Tasna becomes the northern margin of the Pietmont-Liguria (Fig. 2.25c) and is thus in a middle Penninic position as exhibited by late Barremian Briançonnais-type sedimentary cover. Thrusting during the subsequent Alpine collision lead to moderate telescoping of the Tasna margin and stacked the Tasna migmatites from the most distal margin back on top of upper crustal gabbroic gneisses (Fig. 2.25d), producing the final configuration that is now observed at Mot da Ri. It is this Paleocene thrusting that accounts for the inverse orientation of cooling ages observed at Mot da Ri, with younger 180 Ma apatite U-Pb Tasna migmatites stacked on top of the older 215 Ma apatite U-Pb gabbroic gneisses. Alpine thrusting is likley also responsible for the relatively short distance over which cooling ages are observed to change throughout Tasna, with telescoping of the fossil margin occurring during collision and juxtaposing a wide range of cooling ages into a smaller area.

The Err nappe, like Tasna, is also of Austroalpine affinity and represents the southern margin of the Piemont-Liguria Ocean. However, the Err basement does not exhibit the Triassic cooling ages that are observed throughout Tasna. This disparity is likely due to a difference in paleogeographic position within the Austroalpine relative to the Meliata during the formation of the ocean (Fig. 2.26a). The Err basement, while part of the Austroalpine domain, was likely also paleogeographically farther west than the Tasna basement and thus more distant from Meliata domain. Furthermore, Err basement represent upper-crustal plutonic rocks that has not experience significant reheating since the latest Carboniferous and hence apatite U-Pb are unlikely record any Triassic thermal event in the middle or lower crust. Both the Err-Platta and Tasna continental margins have been shown to represent lower plate margin configurations during rifting and breakup (e.g., Manatschal & Nievergelt, 1997). In order for the Adriatic Err and Briançonnais Tasna to represent lower-plate continental margins, we envision an along-strike rift polarity switch (Fig. 2.26b,c). This switch in rift polarity allows both Tasna and Err to be the lower-plate margin of their respective rift segments.

While this model explains the evolution of the Err and Tasna margins, there is still a large disparity between the apatite U-Pb ages from Err and Tasna areas. In addition to not experiencing any Meliata rift related thermal influence, apatite U-Pb cooling ages from Err also don't record the Jurassic break-up that is observed in Tasna ages. This absence of ~180 Ma cooling ages in Err is likely due to the fact that no lower crust was exhumed at even the most distal portion of the Err margin. In contrast, the migmatites in the most distal portion of the Tasna margin exhibited middle Jurassic apatite U-Pb cooling ages. These rocks are be juxtaposed against the serpentinized mantle and are interpreted to have been situated directly at the OCT during continental break-up and represent exhumed lower crustal rocks.

CONCLUSIONS

This study presents a novel model for the evolution of the hyperextended magma-poor margins of the Piemont-Liguria Ocean built on new apatite and zircon U-Pb data as

well as regional geologic constraints. The results of this study indicate that the paleogeographic affinity, prior to middle Jurassic rifting, of both the Err and Tasna margins was Austroalpine, challenging the notion that Tasna always belonged to the Briançonnais, an interpretation that was built on stratigraphic constraints which only provide an upper time constraint on the association between Tasna and the Briançonnais. Both originating in the Austroalpine, Tasna and Err eventually became the lower-plate of opposing hyperextended magma-poor margins due to oppositely oriented detachment systems. The switch in rift polarity that occurred between Err and Tasna speaks to the asymmetric tendencies and complicated evolution undergone by the crust and lithosphere during hyperextension and continental break-up. Apatite U-Pb ages from Tasna record the thermal influence from Triassic rifting associated with the opening of the Meliata Ocean as well as middle Jurassic cooling due to the formation of the Piemont-Liguria Ocean. The geometry of the Tasna OCT was only slightly perturbed by Alpine thrusting, although contractional telescoping of the margin is evident from the inverse relationship of apatite U-Pb cooling ages at Mot da Ri. In contrast to Tasna, Err cooling ages do not exhibit any thermal imprint from the formation of the Piemont-Liguria Ocean, indicating that the Err granites represent shallow crustal levels. The variability between the cooling ages observed in each unit over a small area emphasizes the importance of the accessibility of the Alpine Tethyan margin for high-resolution sampling.

Previous attempts to study the pre-collisional thermal history of Alpine Tethyan rifting using traditional thermochronometers had been largely unsuccessful due to the degree of Alpine metamorphic and thermal overprinting, but the methodological advancements made in apatite U-Pb LA-ICP-MS depth-profile thermochronometry has opened up new avenues to the direct access to the Alpine Tethyan's thermal imprint still preserved in the Alps. This study provides a new model for the evolution of the Alpine Tethyan based on the thermal history accessed using apatite U-Pb and provides new information about the thermal evolution of hyperextended rift margins worldwide.

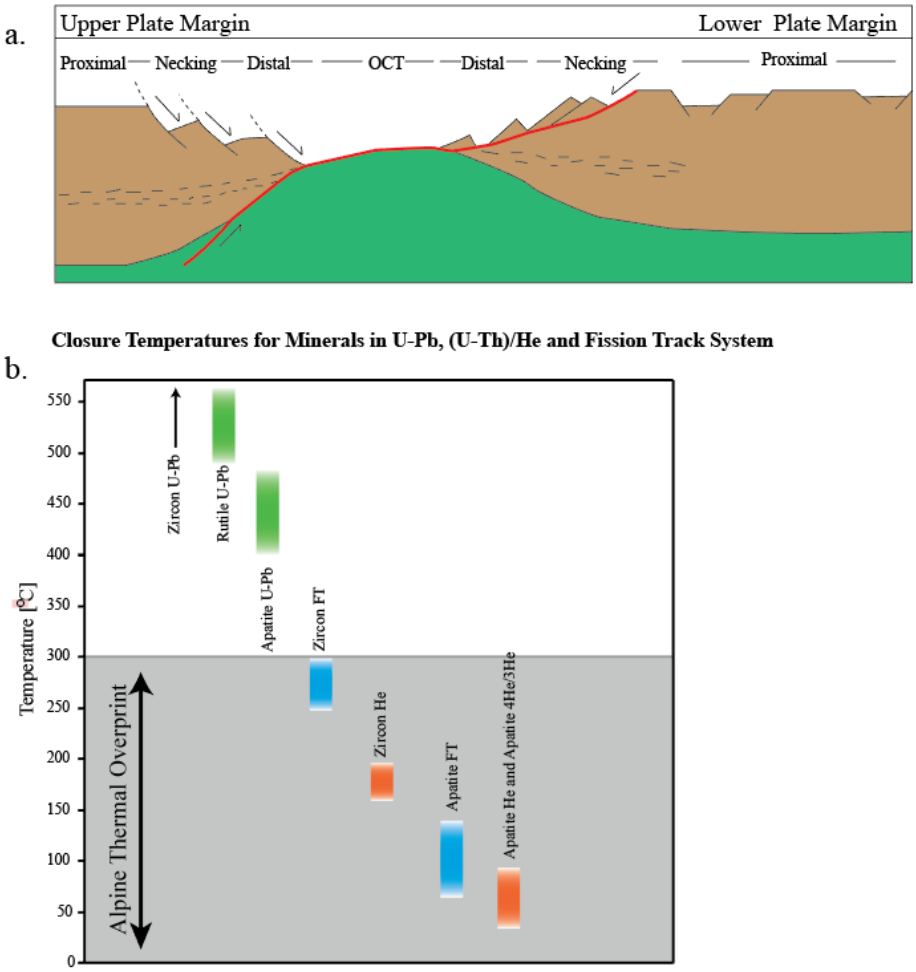


Figure 2.1: (A): Generalized cross-section of a hyperextended magma-poor rift margin. The four main architectural domains are observed and are the proximal zone, necking zone, distal zone, and Ocean-continent transition (OCT). (B): Chart of commonly utilized geo-/thermochronometers and their associated closure temperature. Gray area indicates the relative extent of thermal overprint experienced during the Alpine orogeny.

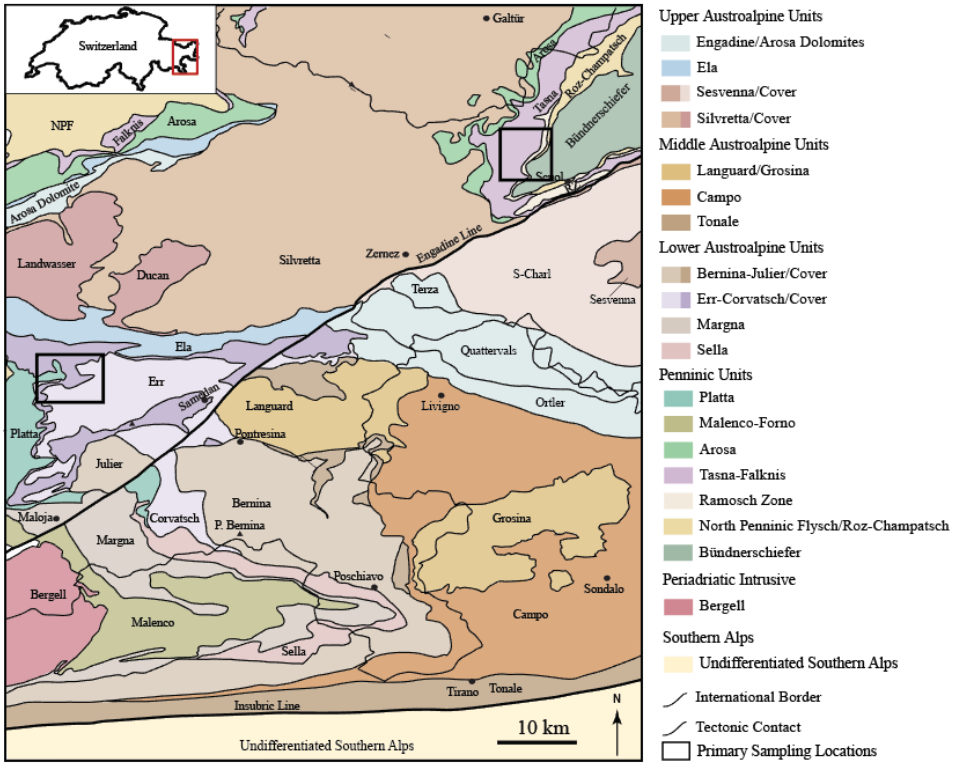


Figure 2.2: Tectonic map of the study region from Evans et al., (2005), based on maps from Mohn (2010), Tectonic Map of Switzerland (2005), Peters (2005) and Froitzheim et al., (1994). General sample areas from Err and Tasna are outlined. For coordinate data refer to Appendix A.

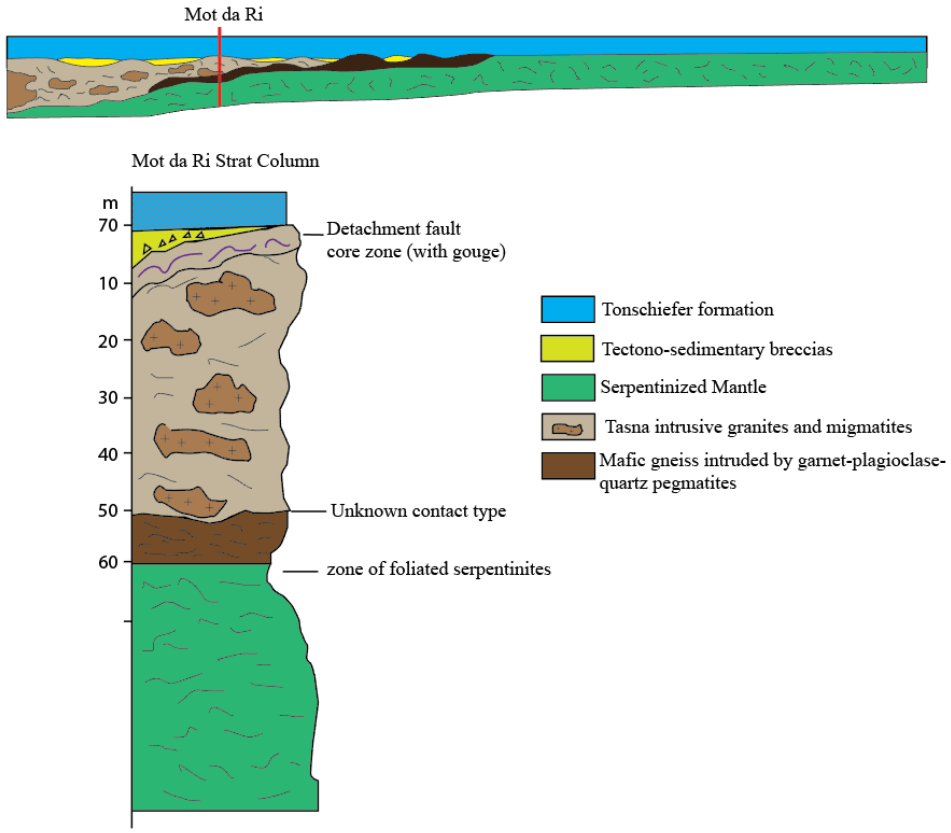


Figure 2.3: Tasna OCT: (A) Reconstruction of the Tasna OCT that is observable at Mot da Ri. (B) Representative stratigraphic column of the lithologies observed at the OCT. Modified from Manatschal et al. (2006).

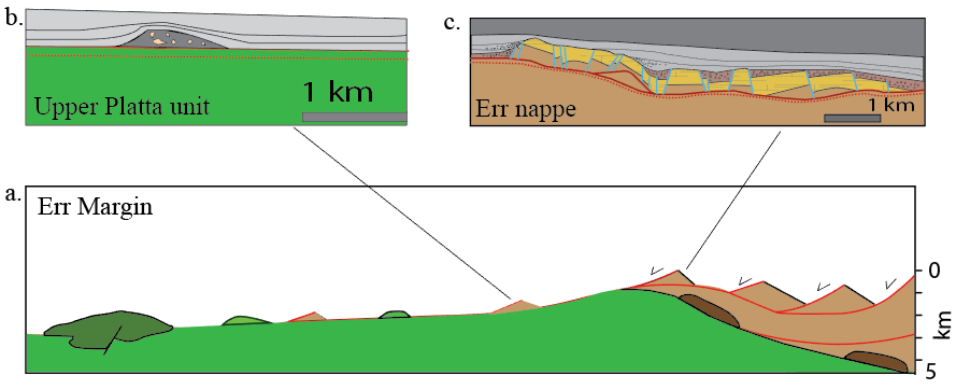


Figure 2.4: Err Restoration: Reconstruction of the Err – Platta OCT based on Manatschal et al., (2007). (A): Distal Adriatic margin that is interpreted to now be located in the Piz Jenatsch, Piz Laviner area. (B): Extensional allochthon identified at Parsettens, directly overlying exhumed subcontinental mantle.

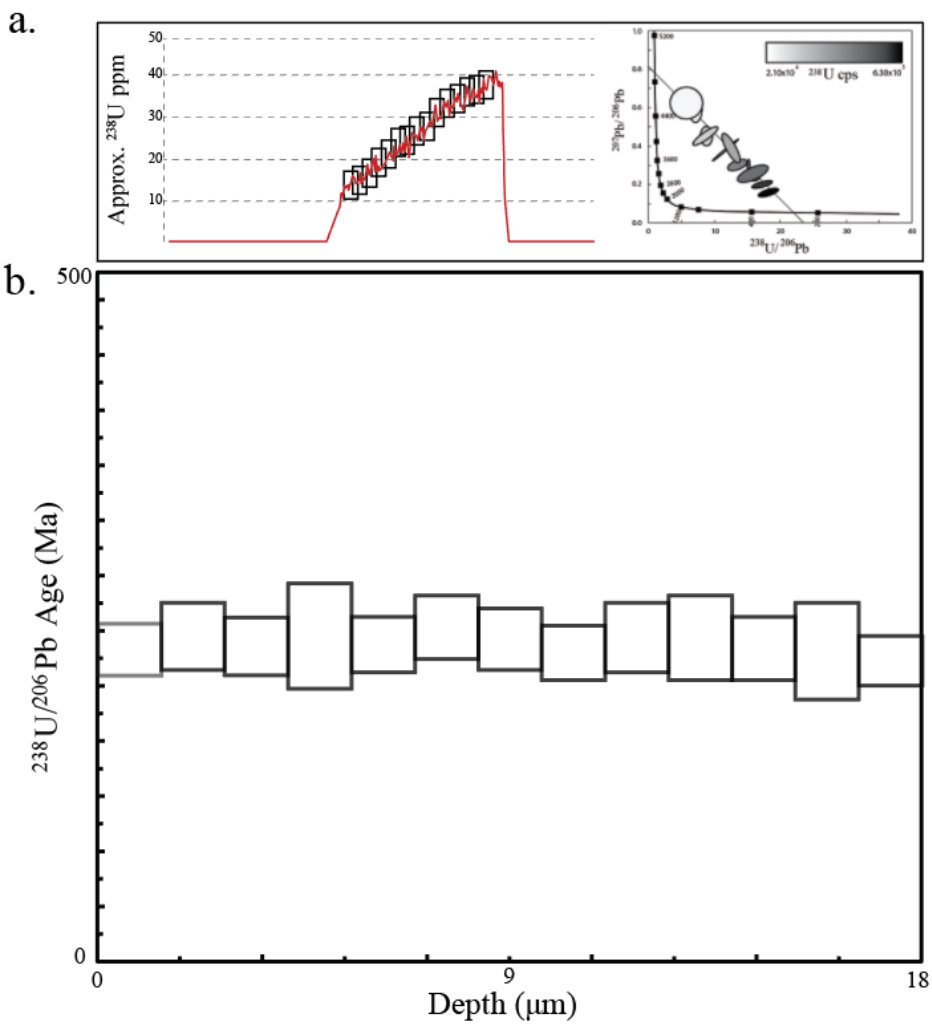


Figure 2.5: (A): Raw ^{238}U data collected during ablation of an apatite grain and plotted against time. The data can be separated and used to correct depth intervals for a samples common Pb and then plotted into an age-depth profile. (B): Generalized age-depth profile created from common Pb corrected interval data for each individual apatite grain.

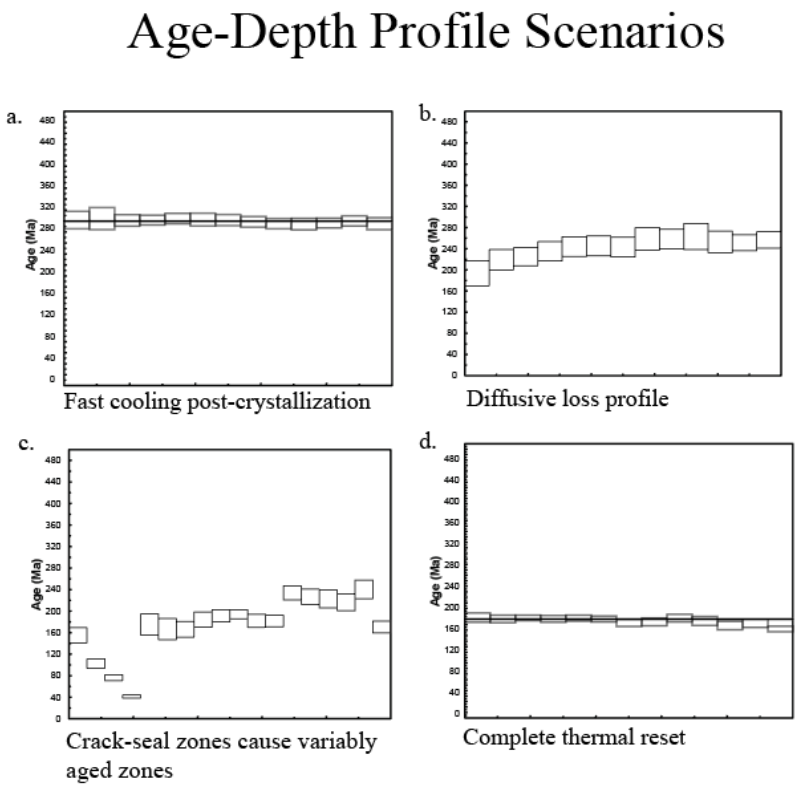


Figure 2.6: (A): Plateau-type age-depth profile generated for a single apatite grain that quickly cooled through the PRZ at 300 Ma. (B): Diffusion-type profile generated for an apatite grain that indicates the occurrence of slow cooling through the PRZ or partial resetting. (C): Crack-seal type profile with internal age zones zones within a grain likely caused by fracture within the grain, microinclusions, or isotopic zonation. D. Plateau-type grain that has been thermally reset at 180 Ma and quickly cooled through the PRZ.

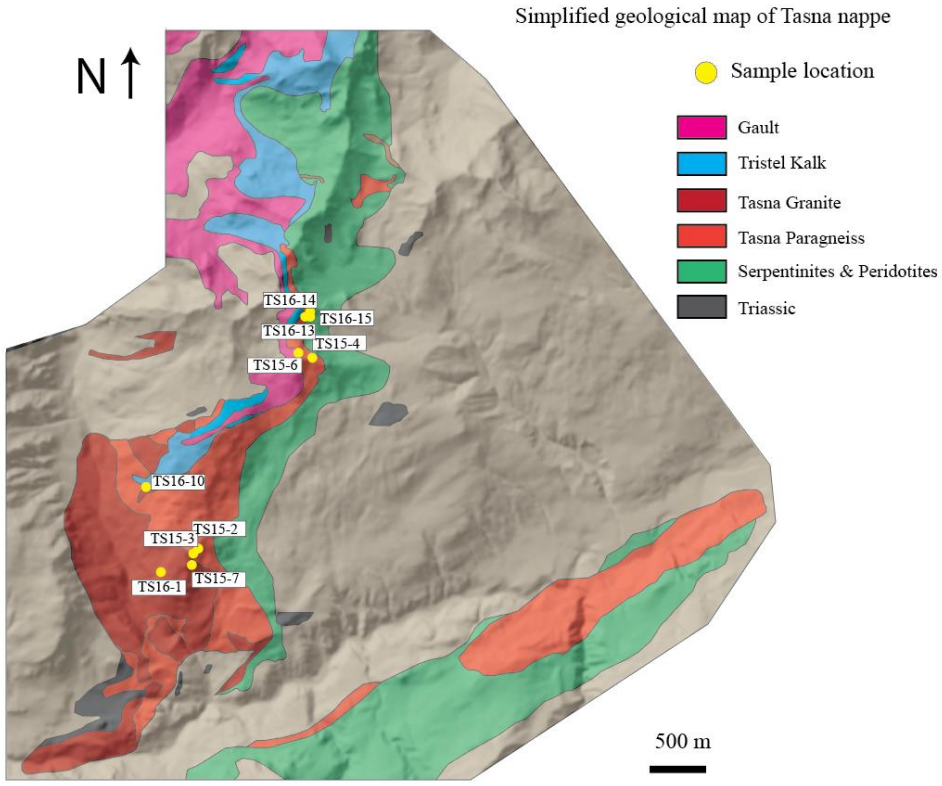


Figure 2.7: Simplified geologic map of lithologies near Scoul with sample names and locations marked. Map from Spicher (1980).

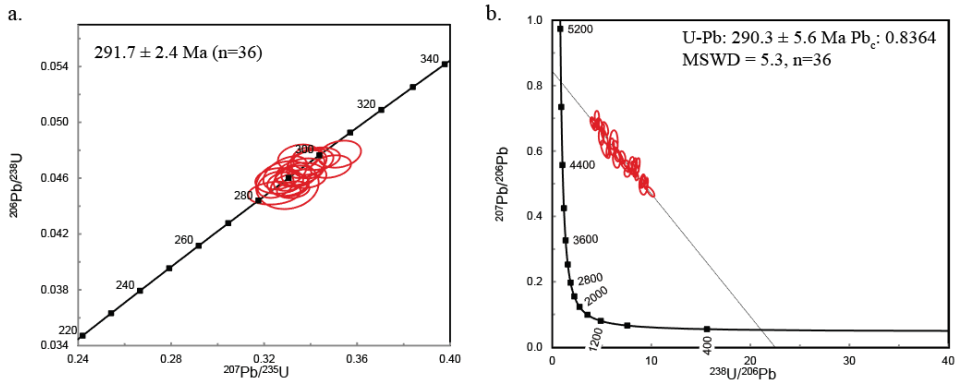


Figure 2.8: (A): Zircon U-Pb concordia diagram for 08TS08. (B): Apatite Tera-Wasserburg U-Pb concordia diagram generated from 08TS08.

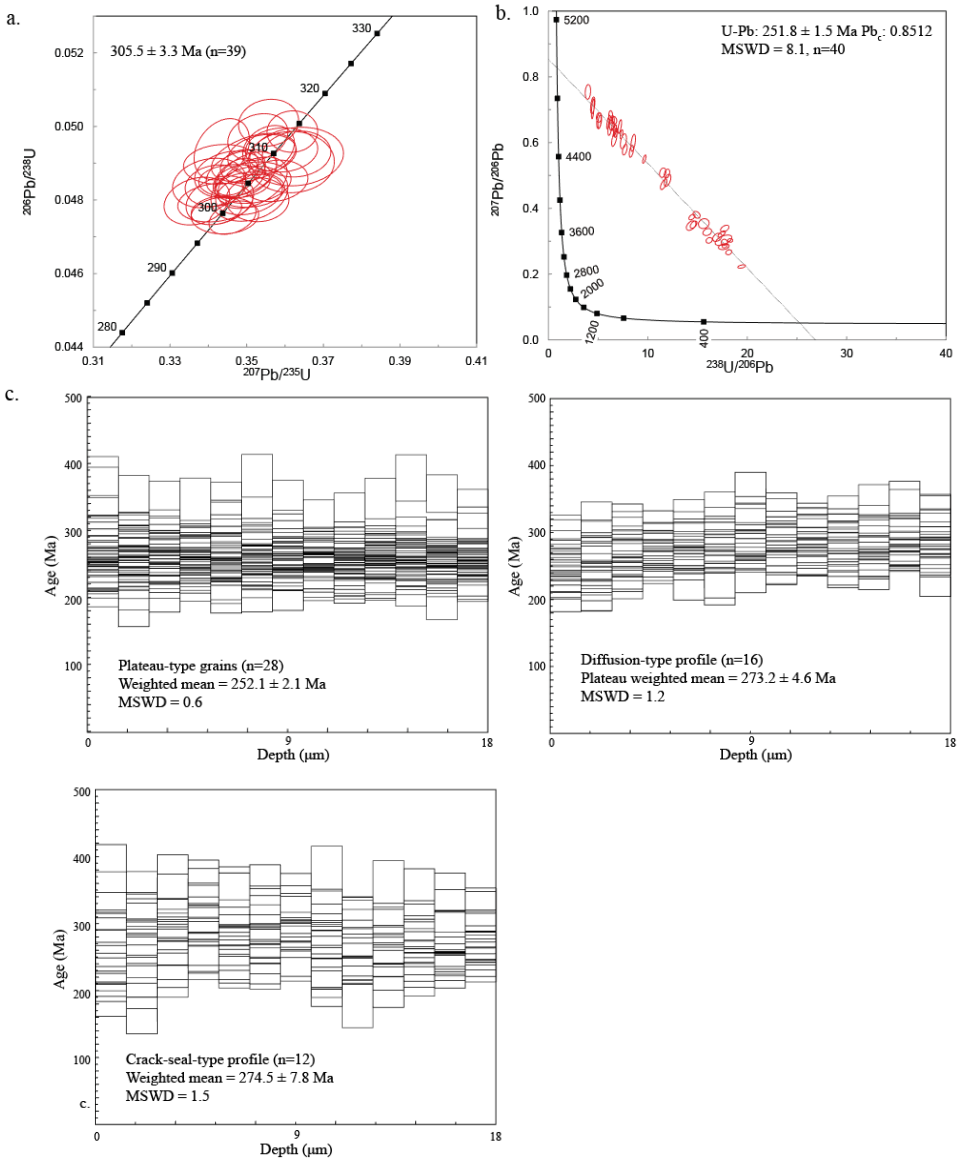


Figure 2.9: (A): Zircon U-Pb concordia diagram for TS16-7. (B): Apatite Tera-Wasserburg U-Pb concordia diagram for TS16-7. (C): Apatite U-Pb age-depth profiles for TS16-7 showing plateau-type, diffusion-type, and crack-seal-type grain profiles.

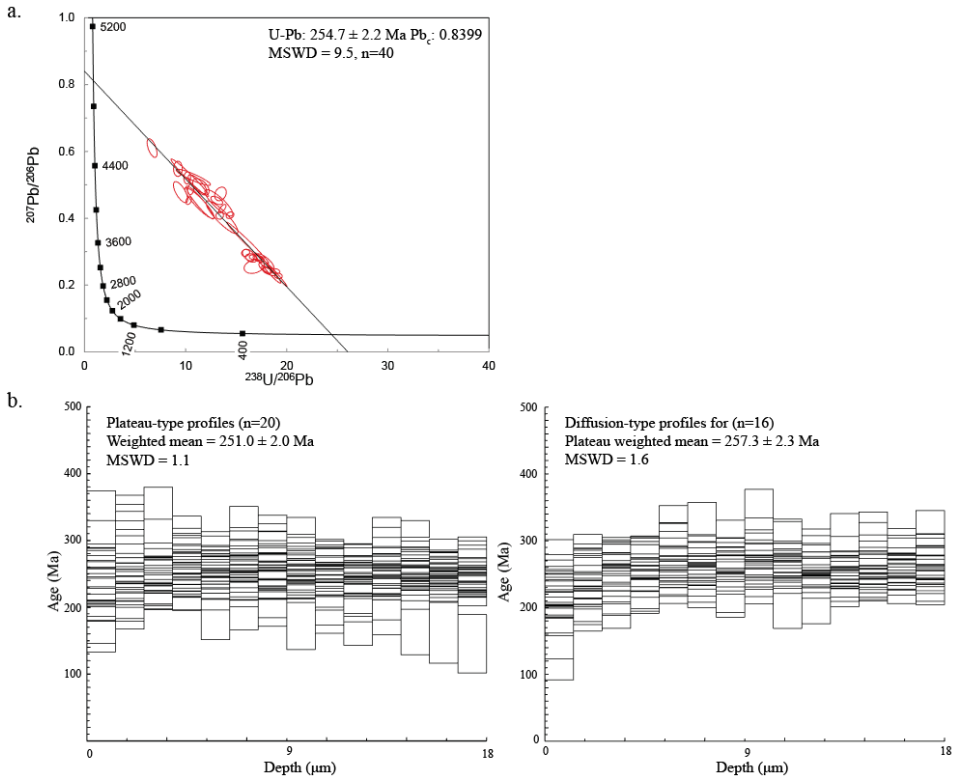


Figure 2.10: (A): Apatite Tera-Wasserburg U-Pb concordia diagram for TS15-1. (B): Apatite U-Pb age-depth profiles for TS15-1 showing plateau-type and diffusion-type profiles.

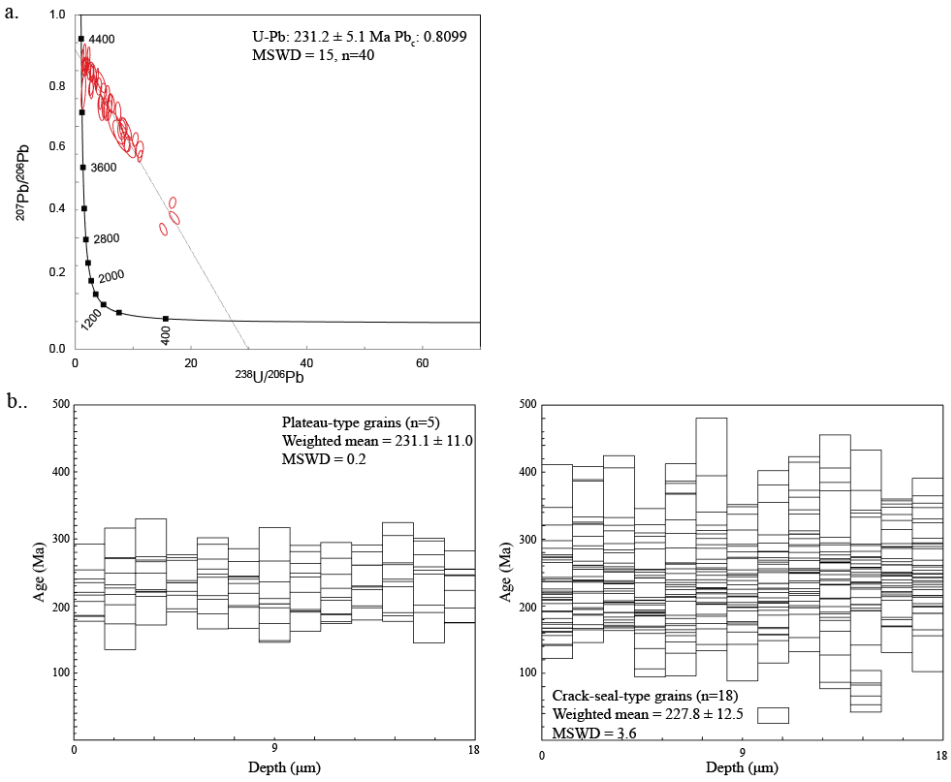


Figure 2.11: (A): Apatite Tera-Wasserburg U-Pb concordia diagram generated for TS15-3. (B): Apatite U-Pb age-depth profiles generated for TS15-3 showing plateau-type and crack-seal-type profiles.

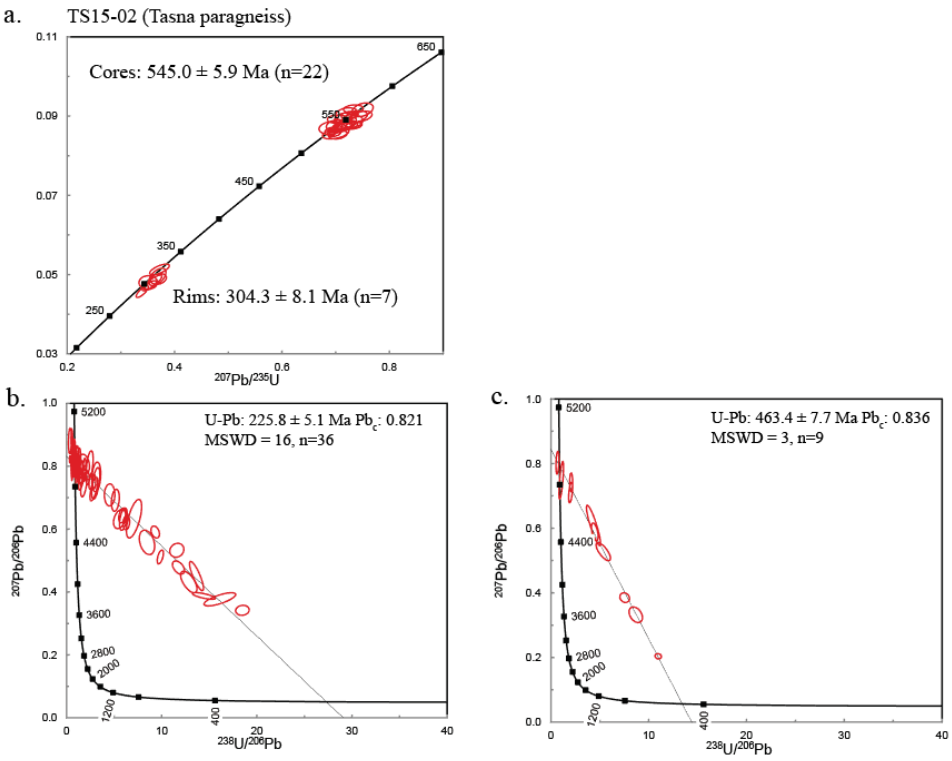


Figure 2.12: (A): Zircon U-Pb concordia diagram generated for TS15-2. (B): Apatite Tera-Wasserburg U-Pb concordia diagram for TS15-2 showing both grain populations within the sample.

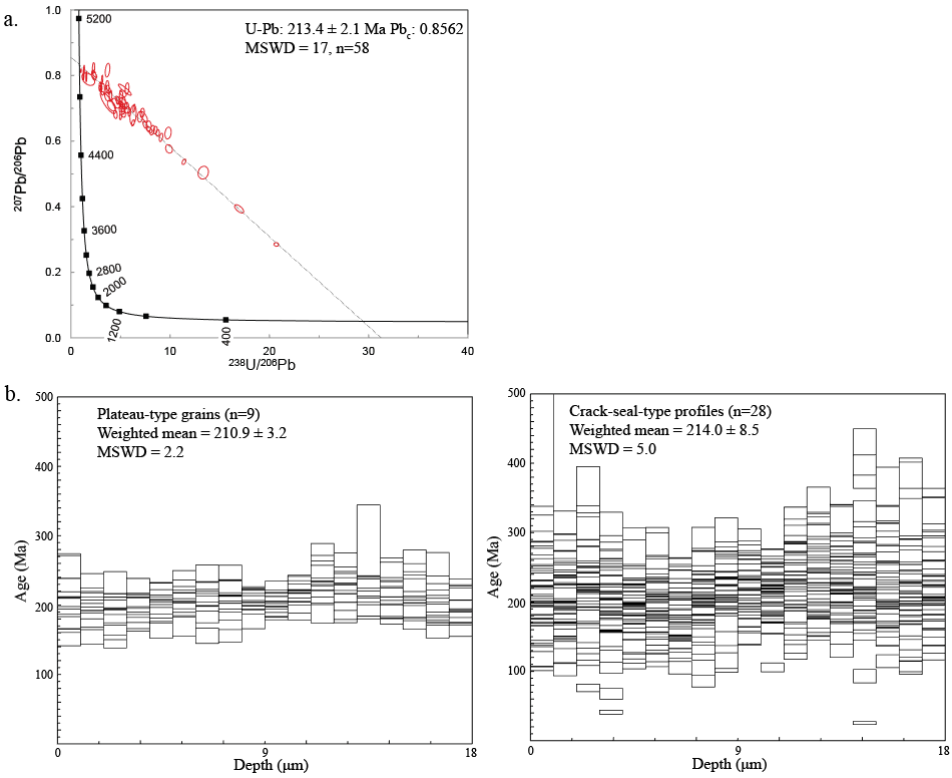


Figure 2.13: (A): Apatite Tera-Wasserburg U-Pb concordia diagram generated for TS16-10. (B) Apatite U-Pb age-depth profiles generated for TS16-10 showing plateau-type and crack-seal-type profiles.

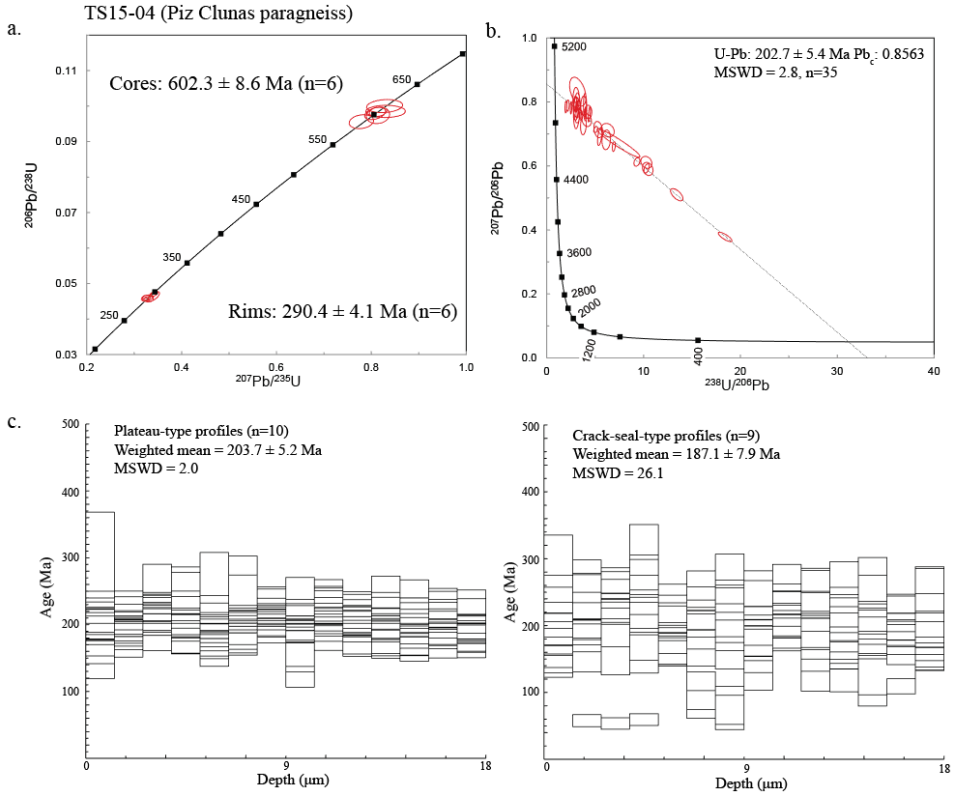


Figure 2.14: (A): Zircon U-Pb concordia diagram for TS15-4. (B): Apatite Tera-Wasserburg U-Pb concordia diagram for TS15-4. (C): Apatite U-Pb age-depth profiles for TS15-4 plateau-type and crack-seal-type profiles.

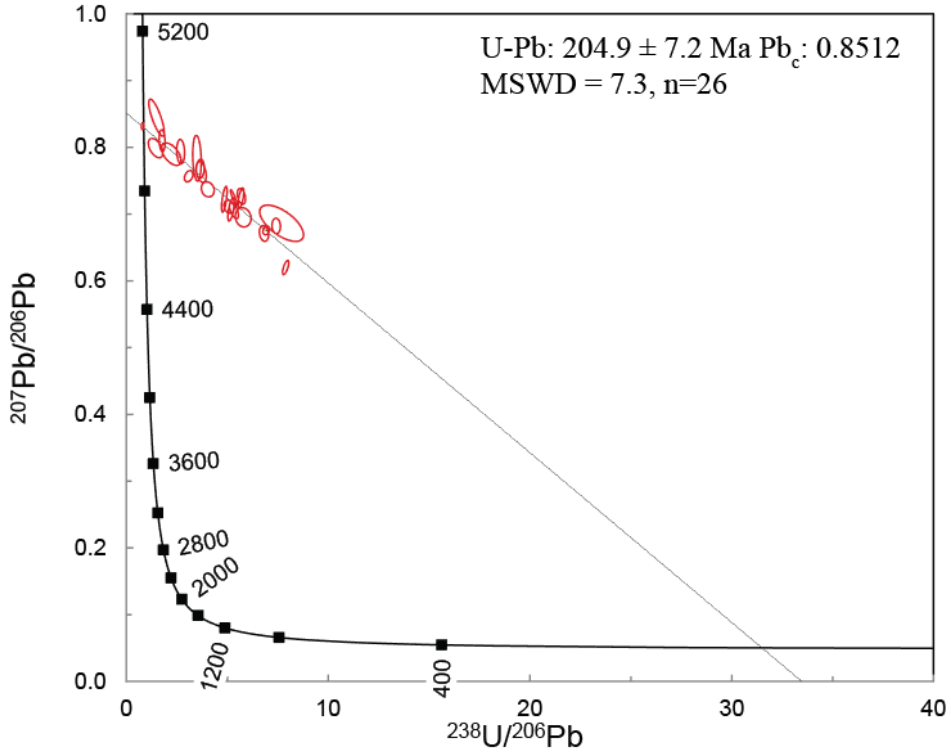


Figure 2.15: Apatite Tera-Wasserburg U-Pb concordia diagram generated for TS15-6.

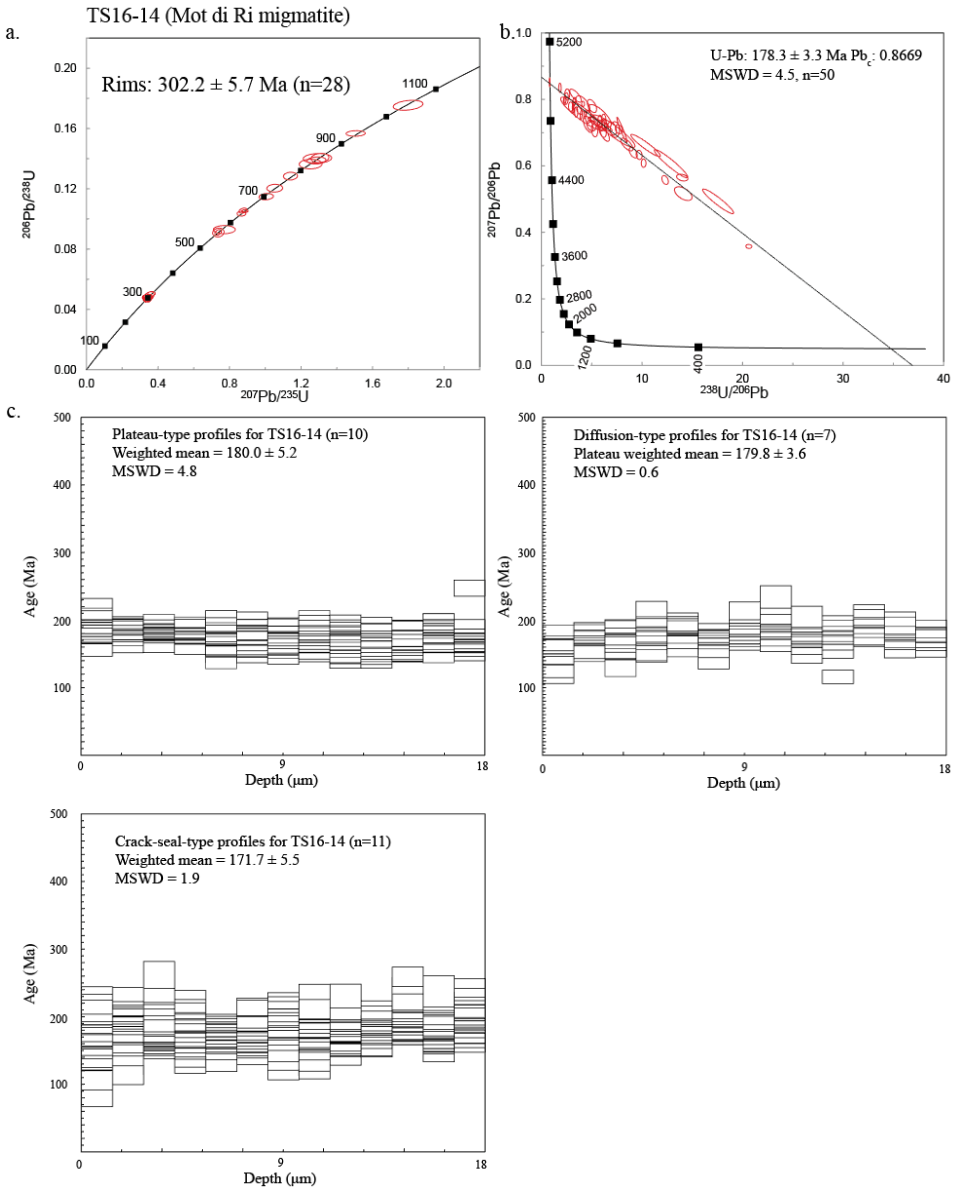

a.
TS16-14 (Mot di Ri migmatite)
Rims: 302.2 ± 5.7 Ma (n=28)
206Pb/238U
207Pb/235U
b.
U-Pb: 178.3 ± 3.3 Ma Pbc: 0.8669
MSWD = 4.5, n=50
207Pb/206Pb
238U/206Pb
c.
Plateau-type profiles for TS16-14 (n=10)
Weighted mean = 180.0 ± 5.2
MSWD = 4.8
Diffusion-type profiles for TS16-14 (n=7)
Plateau weighted mean = 179.8 ± 3.6
MSWD = 0.6
Crack-seal-type profiles for TS16-14 (n=11)
Weighted mean = 171.7 ± 5.5
MSWD = 1.9
Age (Ma)
Depth (μm)

Figure 2.16

Figure 2.16: (A): Zircon U-Pb concordia diagram for TS16-14. (B): Apatite Tera-Wasserburg U-Pb concordia diagram generated for TS15-14. (C): Apatite U-Pb age-depth profiles generated for TS16-14 showing plateau-type, diffusion-type, and crack-seal-type profiles.

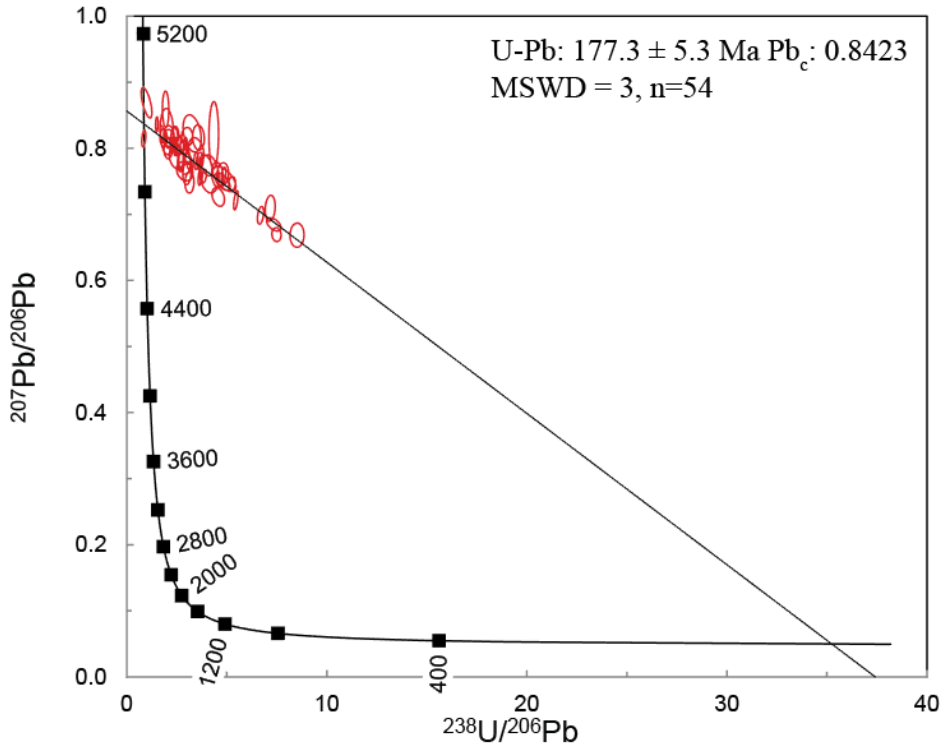


Figure 2.17: Apatite Tera-Wasserburg U-Pb concordia diagram generated for TS16-13.

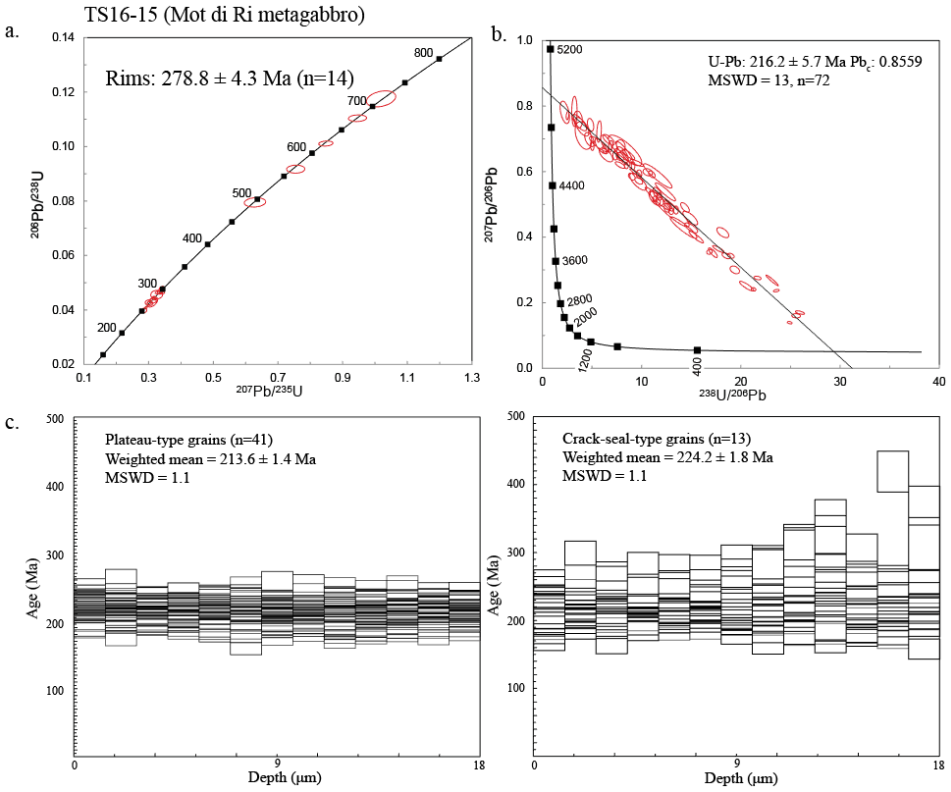


Figure 2.18: (A): Zircon U-Pb concordia diagram generated for TS16-15. (B): Apatite Tera-Wasserburg U-Pb concordia diagram generated for TS16-15. (C): Apatite U-Pb age-depth profiles generated for TS16-15 showing plateau-type and crack-seal-type grains.

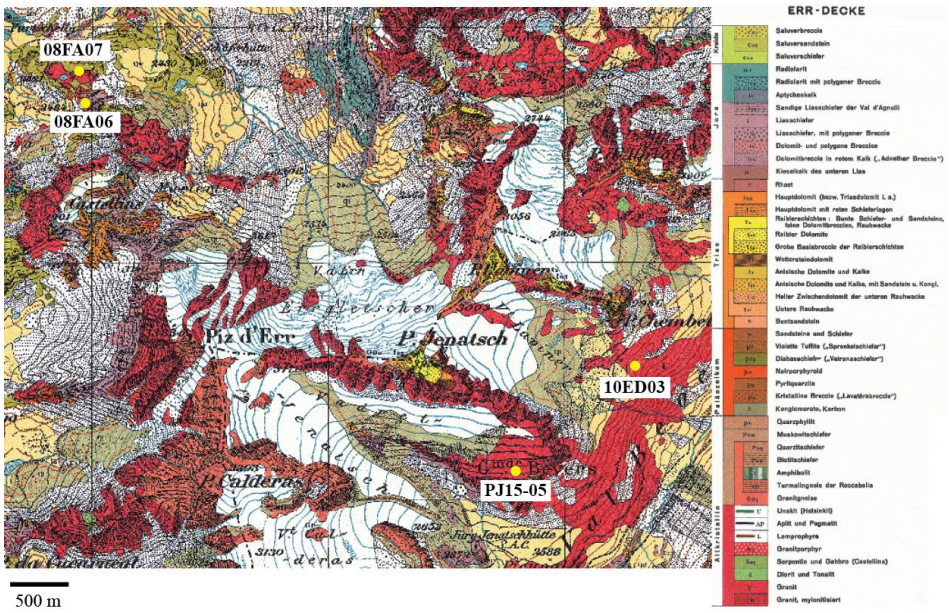


Figure 2.19: Geologic map of Err nappe showing sample names and locations. Samples from Piz Jenatsch (PJ15-05) and Piz Laviner (10ED03) are shown in the Southeast, while samples from the extensional allocthon at Parsettens (08FA06, 08FA07) are in the Northwest. Map from Cornelius (1932).

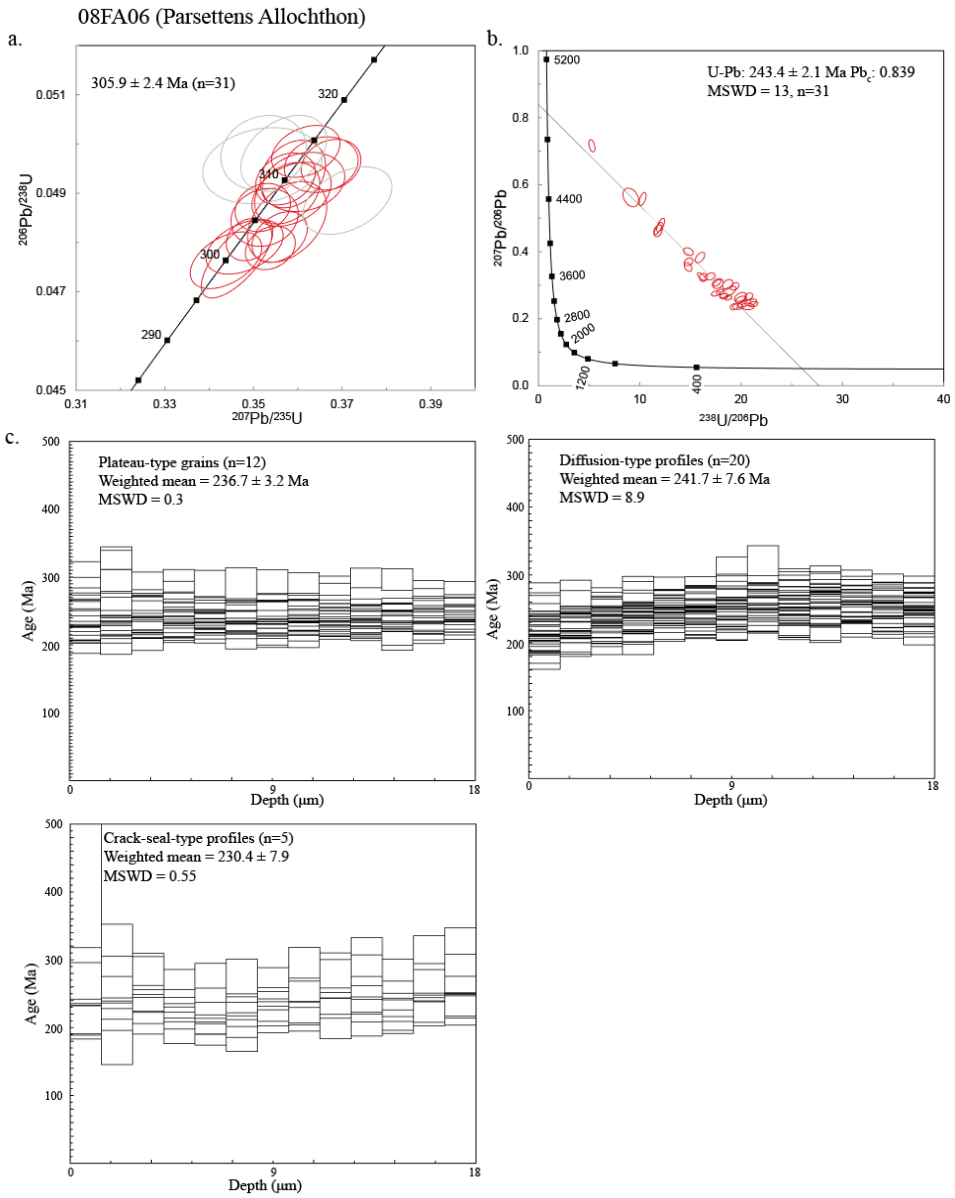

08FA06 (Parsettens Allochthon)
a.
305.9 ± 2.4 Ma (n=31)
320
310
300
290
0.051
0.049
0.047
0.045
0.31
0.33
0.35
0.37
0.39
206Pb/238U
207Pb/235U
b.
U-Pb: 243.4 ± 2.1 Ma Pbc: 0.839
MSWD = 13, n=31
5200
4400
3600
2800
2000
1200
400
1.0
0.8
0.6
0.4
0.2
0.0
0
10
20
30
40
207Pb/206Pb
238U/206Pb
c.
Plateau-type grains (n=12)
Weighted mean = 236.7 ± 3.2 Ma
MSWD = 0.3
Diffusion-type profiles (n=20)
Weighted mean = 241.7 ± 7.6 Ma
MSWD = 8.9
Crack-seal-type profiles (n=5)
Weighted mean = 230.4 ± 7.9
MSWD = 0.55
500
400
300
200
100
Age (Ma)
0
9
18
Depth (µm)

Figure 2.20

Figure 2.20: (A): Zircon U-Pb concordia diagram generated for 08FA06. (B): Apatite Tera-Wasserburg U-Pb concordia diagram generated for 08FA06. (C): Apatite U-Pb age-depth profiles generated for 08FA06 showing plateau-type, diffusion-type, and crack-seal-type profiles.

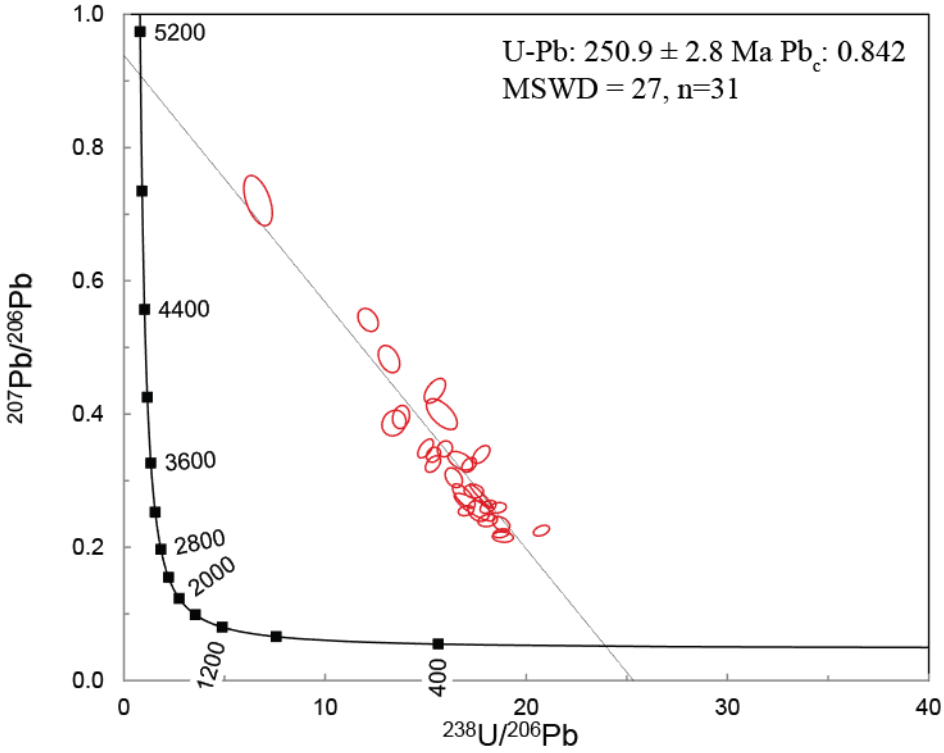


Figure 2.21: Apatite Tera-Wasserburg U-Pb concordia diagram generated for 08FA07.

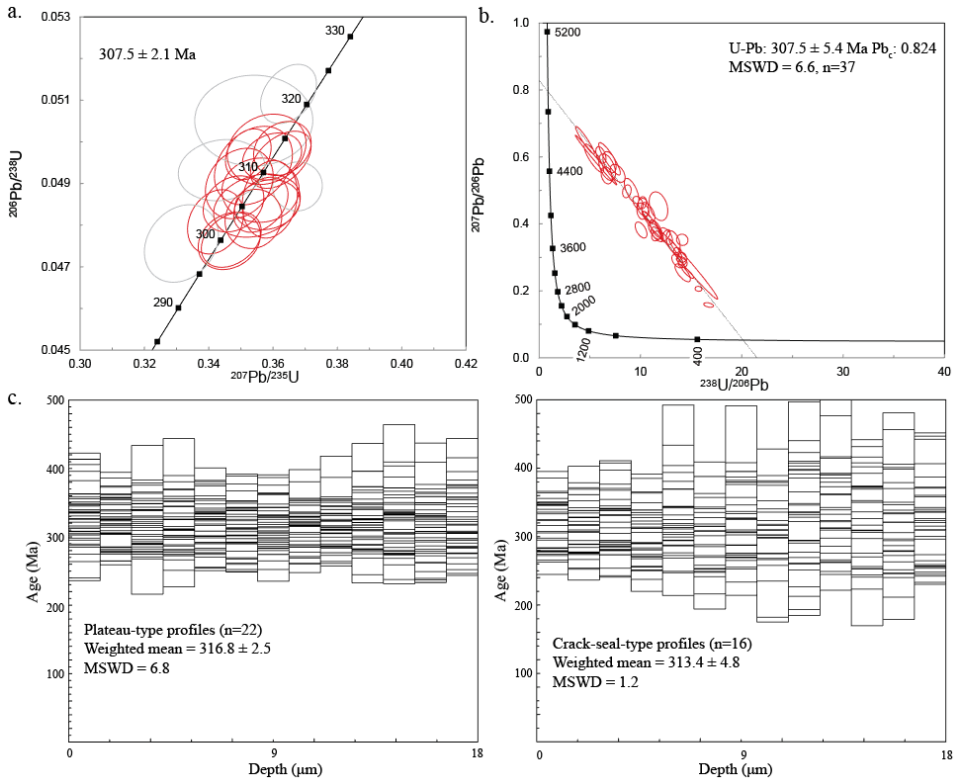


Figure 2.22: (A): Zircon U-Pb concordia diagram generated for PJ15-05. (B): Tera-Wasserburg U-Pb concordia diagram for PJ15-05 apatite. (C): Apatite U-Pb age-depth profiles generated for PJ15-05 showing plateau-type and crack-seal-type profiles.

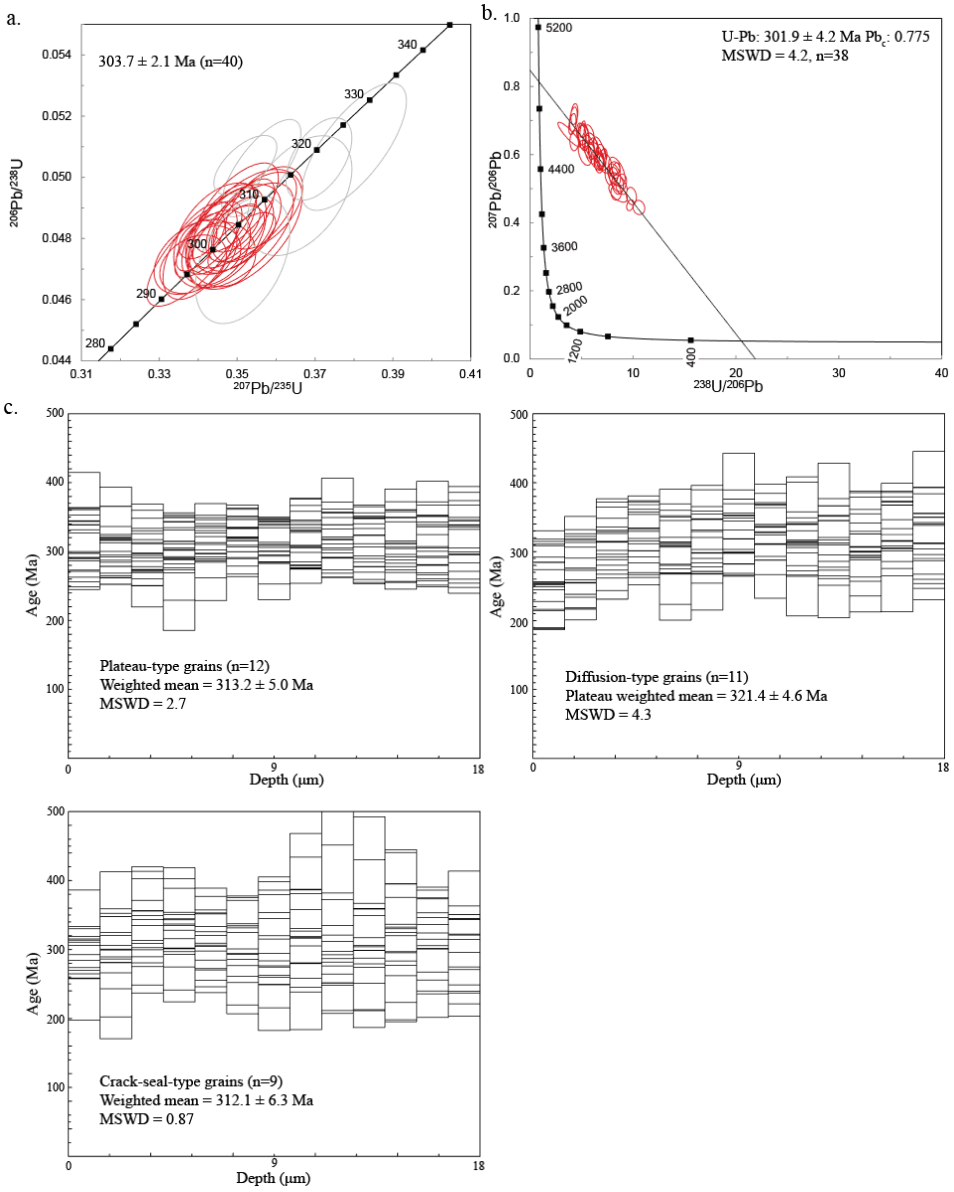

a.
303.7 ± 2.1 Ma (n=40)
$^{206}Pb/^{238}U$
$^{207}Pb/^{235}U$
b.
U-Pb: 301.9 ± 4.2 Ma Pb_c: 0.775
MSWD = 4.2, n=38
$^{207}Pb/^{206}Pb$
$^{238}U/^{206}Pb$
c.
Plateau-type grains (n=12)
Weighted mean = 313.2 ± 5.0 Ma
MSWD = 2.7
Diffusion-type grains (n=11)
Plateau weighted mean = 321.4 ± 4.6 Ma
MSWD = 4.3
Crack-seal-type grains (n=9)
Weighted mean = 312.1 ± 6.3 Ma
MSWD = 0.87
Age (Ma)
Depth (μm)

Figure 2.23

Figure 2.23: (A): Zircon U-Pb concordia diagram generated for 10ED03. (B): Tera-Wasserburg U-Pb concordia diagram for 10ED03 apatite. (C): Apatite U-Pb age-depth profiles generated for 10ED03 showing plateau-type, diffusion-type, and crack-seal-type profiles.

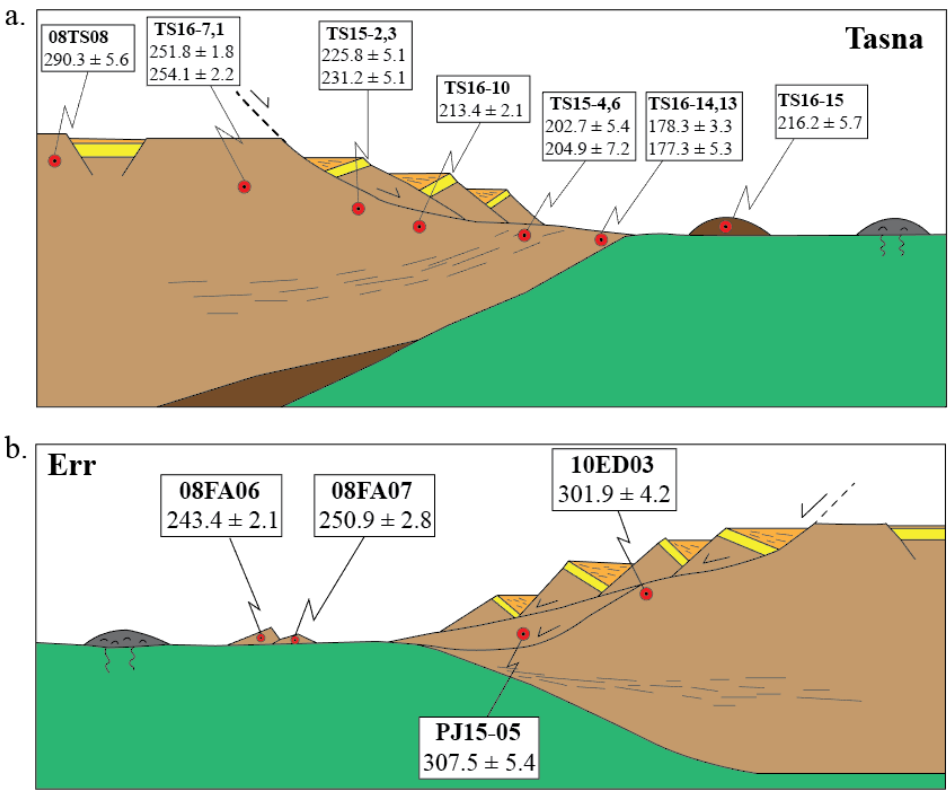


Figure 2.24: Schematic cross section of Tasna (A) and Err (B) margins with apatite U-Pb cooling ages on each section. The Jurassic apatite U-Pb cooling ages at Tasna indicate that the preserved section is lower crust. The predominantly Late Carboniferous cooling ages at Err indicate that much of the preserved distal margin is upper crust.

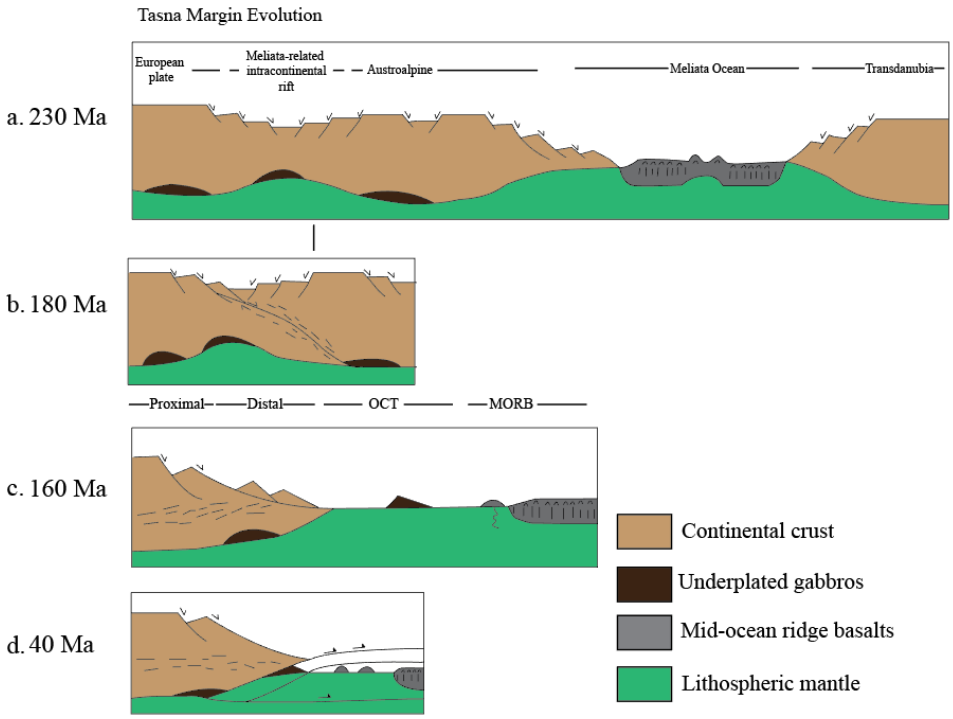


Figure 2.25: (A): Paleogeographic reconstruction of the Tethyan realm during Mid-Triassic rifting of the Meliata ocean. (B): Focused view of Tasna during the rifting of the Piemont-Liguria at 180 Ma. (C): Tasna OCT after continental break-up. (D): Proposed Alpine thrusting that explains the inverted cooling ages between the Tasna migmatite and metagabbro observed at Mot da Ri.

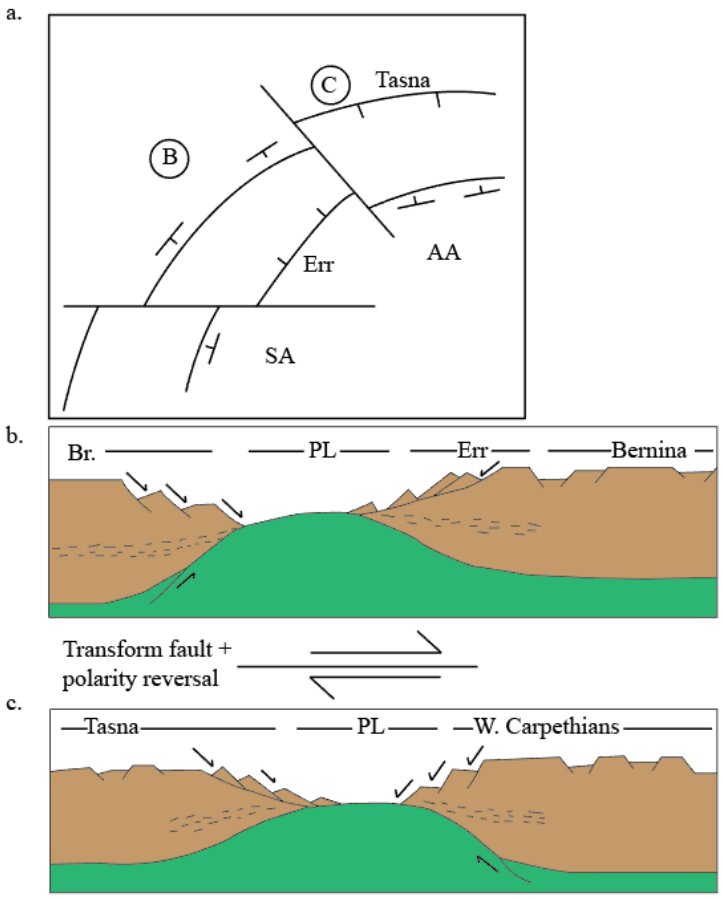


Figure 2.26: (A): Plainview paleogeographic reconstruction of the Alpine Tethyan realm during the formation of the Piemont-Liguria. Tasna is situated the most closely to the Meliata ocean which is situated out-of-view to the East. (B): Cross sectional view of the Piemont-Liguria rift system, focused on the Err. (C): Cross-sectional view of the Piemont-Liguria rift system, focused on Tasna. A switch in rift polarity occurred between the two margins which explains the lower-plate positioning of each margin, despite being on opposite sides of the Piemont-Liguria.

Chapter 3: Intra-grain common Pb correction and detrital apatite U-Pb dating via LA-ICPMS Depth Profiling

ABSTRACT

Apatite is a common accessory phase in igneous and sedimentary rocks. While apatite is widely employed as a low-temperature thermochronometric tool, it has been increasingly utilized to constrain moderate temperature cooling histories by U-Pb dating. Apatite U-Pb is characterized by a thermal sensitivity window of 375-550°C. This intermediate temperature window recorded by the apatite U-Pb system, and the near-ubiquitous presence of apatite in igneous and clastic sedimentary rocks makes it a powerful tool able to illuminate mid-crustal tectono-thermal processes. However, as apatite incorporates only modest amounts of U and Th (1-10s of ppm) the significant amounts of non-radiogenic "common" Pb incorporated during its formation presents a major hurdle for apatite U-Pb dating. In bedrock samples common Pb in apatite can be corrected for by the measurement of Pb in a cogenetic mineral phase, such as feldspar, that does not incorporate U or from determination of a common Pb composition from multiple analyses in Tera-Wasserburg U-Pb concordia space. While these methods for common Pb correction in apatite can work for igneous samples, they cannot be applied to detrital apatite in sedimentary rocks with variable common Pb compositions. The obstacle of common Pb in apatite has hindered the application of detrital apatite U-Pb dating in provenance studies, despite the fact that it would be a powerful tool. This study presents a new method for the in situ correction of common Pb in apatite through the utilization of novel LA-ICP-MS depth profiling, which can recover U-Pb ratios at micron-scale spatial resolution during ablation of a grain. Due to the intra-grain U variability in apatite, a mixing line for a single grain can be generated in Tera-Wasserburg U-Pb concordia space. As a case study, apatite from a Variscan aged granite were analyzed using both the single and multi-grain method, with both methods giving identical results. As a second case study the intra-grain method was then performed on detrital apatite from the Swiss Northern Alpine Foreland Basin (NAFB), where the common Pb composition and age spectra of detrital apatite grains were elucidated. The

novel intra-grain apatite method enables the correction for common Pb in detrital apatite, making it feasible to incorporate detrital apatite U-Pb dating in provenance and source-to-sink studies.

INTRODUCTION

Apatite is a common accessory phase in igneous and metamorphic rocks, and is a widespread detrital mineral in clastic sedimentary rocks. While apatite is widely employed as a low-temperature fission-track and (U-Th)/He thermochronometric tool, it has been increasingly utilized to constrain moderate temperature cooling histories by U-Pb dating. While apatite U-Pb dating is characterized by a nominal closure temperature of ~450°C (Cherniak et al., 1991), it has been shown that it is grain size sensitive and has a thermal sensitivity window between 375-550°C (Cochrane, 2013). This intermediate temperature sensitivity window and the near-ubiquitous presence of apatite in igneous and clastic sedimentary rocks makes apatite a powerful tool for recording amphibolite-to-eclogite facies metamorphism, conditions that occur in the interior of many orogenic belts and at mid- to lower crustal levels.

Due to the technological and methodological advances of recent years (Thomson, 2012; Chew et al., 2015), apatite U-Pb dating is now often performed by LA-ICP-MS (Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry) analysis, including depth Profiling, which enables the recovery of U-Pb ratios at high spatial resolution (<1 μm) during progressive ablation of grains (Cottle et al., 2009). While other instruments such as TIMS and LA-MC-ICP-MS are also used for apatite U-Pb analysis, this study will only employ single-collector LA-ICP-MS Depth Profiling. LA-ICP-MS dating has increased the accessibility and utility of geo-thermochronology dating and depth profiling provides novel opportunities for new methods, such as presented in this manuscript. However, major obstacles still remain for apatite U-Pb in particular, in particular the precise measurement and correction of initial "common" Pb (Pb_c). As apatite incorporates only modest amounts of U and Th (1s-10s of ppm) (Altschuler et al., 1957) the correction for Pb_c is necessary, but the lack of an intra-grain Pb_c correction technique

has limited apatite U-Pb dating to igneous samples. The variable Pb_c compositions potentially present in detrital apatite due to sediment originating from multiple source areas have restricted the application of detrital apatite U-Pb studies. This study presents a novel method for the intra-grain measurement of the Pb_c concentration in apatite through the utilization of novel LA-ICP-MS Depth Profiling.

Common Pb in apatite and detrital apatite U-Pb dating

Apatite's incorporation of Pb_c during formation has proven to be a difficulty in its successful analysis by LA-ICP-MS. The intake of Pb_c in apatite's crystal lattice, paired with apatite's typically low U and Th concentrations, makes nonradiogenic Pb in apatite a major, but often surmountable, obstacle to the successful U-Pb dating of apatite. While the tendency of apatite to have a high Pb_0/Pb^* ratio has limited its usefulness in some scenarios, several techniques are used to correct for the common Pb in apatite:

Correcting for non-radiogenic Pb isotopic composition by measuring co-genetic, low-^{238}U bearing minerals (i.e. feldspar), which record the initial Pb isotopic composition of the host rock and produce an insignificant amount of radiogenic Pb through time and by measuring the non-radiogenic Pb concentration by measuring the $^{204}Pb/^{206}Pb$ ratio of each single grain.

Estimating the age of the unknown apatite and assuming an initial $^{207}Pb/^{206}Pb$ isotopic composition based on the two-stage terrestrial Pb-evolution model (Stacey and Kramers, 1975) and by constraining the non-radiogenic Pb concentration by measuring the $^{204}Pb/^{206}Pb$ ratio of each single grain.

Utilizing a Tera-Wasserburg U-Pb concordia diagram to fit a line through the uncorrected apatite data to determine the average Pb_c composition (y-intercept) on the $^{207}Pb/^{206}Pb$ axis and the average "cooling" age (lower concordia intercept) on the $^{238}U/^{206}Pb$ axis. The variability in ^{238}U and initial Pb concentrations present between apatite in the sample provides the spread between grains plotted in Tera-Wasserburg U-Pb concordia space used to pin the intercept line, with grains containing less radiogenic

Pb plotting towards to the y-axis and grains with more radiogenic Pb plotting towards the x-axis.

Each method for the correction of Pb_c hinges on the reliance of the apatite grains being co-genetic, the constraint through bulk analyses, and/or on assuming the age of the apatite and estimating an initial Pb concentration. In a sedimentary sample with multiple unique sources, each of these Pb_c correction methods break down as there is no known way to correct for multiple initial Pb concentrations that may be present due to multiple heterogeneous source rocks without making assumptions regarding a Pb_0 concentration, such as differentiating populations on a Tera-Wasserburg diagram (e.g. Mark et al., 2016) or assuming a Pbc ratio based on Stacey & Kramers terrestrial Pb evolution model (e.g. Carrapa et al., 2009). Essentially, the lack of an intra-grain Pb_c correction method for apatite analyzed by LA-ICP-MS has made reliable apatite U-Pb detrital studies for basins with heterogeneous sources all but impossible.

Although Pb_c has proven to be a barrier to the successful application of apatite U-Pb for detrital studies, the potential power of such a method is readily evident. The intermediate temperature sensitivity of apatite overlaps with conditions produced at the core of many orogenic belts or deeper portions of rifted continental margins, allowing apatite to record significant crustal-scale tectonic events that did not induce magmatism. In contrast, the highly-employed method of zircon U-Pb records crystallization ages (Tc>900°C) (Lee et al., 1997) and as such substantial tectonic events that are not accompanied by magmatism or partial melting often go unrecorded in the zircon, but not apatite, U-Pb record. The temperature insensitivity of zircon U-Pb to amagmatic or magma-poor tectonic events is often exemplified by the lack of age signatures relating to many major orogenies in the zircon U-Pb record.

In addition to its propensity to thermal insensitivity, zircon also has a higher durability than apatite and often undergoes polycyclic transport and deposition, which in detrital samples can cause pervasive non-unique age signatures as zircon grains undergo multiple episodes of sedimentation and recycling and signal homogenization. Apatite, in

contrast to zircon and many other routinely dated heavy-minerals, has a lower mechanical durability (Morton and Hallsworth, 1999), making detrital apatite present in sedimentary rocks likely first-cycle detritus representative of the most recent tectonic event. The capability of apatite U-Pb to record more recent major magma-poor tectonic events, due to its low durability, non-polycyclic nature, and intermediate closure temperature, makes it an ideal mineral to provide key information to detrital studies that zircon U-Pb signatures may omit. Essentially the establishment of a detrital apatite U-Pb technique would allow for a better understanding of the evolution of orogenic systems, catchment inputs, basin evolution through source-to-sink studies.

Intra-grain common Pb correction and detrital apatite U-Pb dating via LA-ICPMS Depth Profiling

Similar in principle to the traditional bulk sample Tera-Wasserburg U-Pb concordia method, which utilizes the variability in U concentration between whole apatite grains in order to provide a Pb_c concentration and cooling age for a sample, the intra-grain method for dating single apatite grains is made possible by LA-ICP-MS Depth Profiling and the intra-grain variability of U in apatite. LA-ICP-MS Depth Profiling (e.g. Paton et al., 2010; Marsh and Stockli, 2015; Smye and Stockli, 2016), a newly pioneered alternative to traditional U-Pb LA-ICP-MS dating by analysis of polished grain mounts, enables the measurement of a grain's isotopic concentrations and ratios as a function of depth ablated within a euhedral grain (Fig. 3.1a). The natural variability in U concentration as a function of radial position within a single apatite is used to constrain an intercept line on a generated single-grain Tera-Wasserburg U-Pb plot which provides both the Pb_c concentration and cooling age for individual grains of apatite (Fig. 3.1b).

The Tera-Wasserburg U-Pb concordia method for apatite U-Pb dating fundamentally relies on U variability to provide sufficient spread along the discordia/mixing line that allows for the precise determination of an intercept line through both the x- and y-axes; however in the intra-grain apatite method, it is the intra-grain U variability being measured and plotted, rather than the U variability between

whole grains of a bulk sample, that is used to quantify the Pb_c composition and cooling age on a single grain Tera-Wasserburg U-Pb concordia diagram.

METHODOLOGY

Three apatite samples were analyzed from different Alpine localities for this study – one from granitic basement in the Eastern Alps to benchmark the method and two detrital samples from the Northern Alpine Foreland basin as a case study to test the novel methodology. Apatite were isolated for analysis employing standard mineral separation techniques. First hand samples were crushed using standard jaw and disc procedure. Next, the crushed samples were density separated using a Gemini water table. Magnetic separation was performed using a Frantz machine, and finally a heavy liquid mineral separation (bromoform and methylene iodide) was performed to obtain the apatite fraction for each sample. Apatite from the heavy mineral fraction were then picked under microscope and placed onto plastic pucks covered in double sided adhesive. These pucks remained unpolished and were analyzed at the UT Chron LA-ICP-MS laboratory at the University of Texas at Austin.

Data were collected using a PhotonMachine Analyte G.2 excimer laser, with a Helex sample cell that held the mounts, connected to a Thermo Scientific Element2 Inductively-Coupled Plasma Mass Spectrometer. Madagascar apatite (MAD-2, Thomson et al., 2012) was used as the primary reference material in order to correct for instrument drift and downhole isotope fractionation during ablation of each grain. UWA-1 (in-house standard) was used as a secondary standard in order to monitor data quality. For the granitic bedrock sample 40 apatite were analyzed in order to determine a statistically robust bulk age and Pb_c composition. In addition, a polished rock fragment was cut and polished to analyze the Pb_c of a cogenetic K-feldspar. Analyses of the apatite and feldspar were performed using the same laser settings detailed below. After benchmarking of the new intra-grain Pb_c method, two detrital samples were analyzed as a case study to explore the viability of the methodology and applicability to detrital apatite U-Pb studies. Laser spots were set to 50 μm in diameter and apatite grains were ablated

for 30 seconds at 10 Hz and 4 mJ energy set point. Grains were ablated perpendicular to the c-axis and pit depths were measured using a Bruker Contour GT-K1 3D optical profiler and were ~18 μm deep (Fig. 3.1c). As the grains analyzed remained unpolished, a depth profile for each grain was measured and domains with fractures, microinclusions, or isotopic noise were excluded. Data were then reduced and interpreted using VisualAge_UcomPbine for apatite in the IOLITE Igor Pro plug-in (Patton et al., 2011).

Finally the key additional step of creating 3 second integration windows that span throughout each grain was performed (Fig. 3.1d). The data was exported to Excel and Tera-Wasserburg U-Pb diagrams were generated from the 3 second integration windows for each apatite grain using the Isoplot add-in (Ludwig, 2012). Each apatite's cooling age and Pb_c composition obtained from the intra-grain Tera-Wasserburg U-Pb diagrams for each sample was determined for age interpretation.

Comment [Office12]: Ok, this will need work and is no much better in chapter 2, but I don't have it in me at this point.

GEOLOGICAL BENCHMARKING AND CASE STUDY

A late Variscan granite from Piz Jenatsch in the Err nappe of the Central Alps, Switzerland (Manatschal and Nievergelt, 1997), was used as the magmatic sample for this study to compare and benchmark cogenetic K-feldpar and intra-grain depth-profile Pb_c methodologies. The sample was analyzed to test the accuracy and reliability of the intra-grain Pb_c and cooling age determination on a granitic rock in which all apatite grains have a homogeneous Pb_c composition and have experienced the same cooling history. The cooling ages for each of the apatite tested using the intra-grain apatite method were then compiled compared with the traditional bulk sample Tera-Wasserburg U-Pb cooling age results. Feldspar, a co-genetic mineral that records the Pb_c composition of the sample, was also analyzed to compare with the Pb_c composition garnered from the bulk sample Tera-Wasserburg U-Pb diagram and the single grain Tera-Wasserburg U-Pb results.

26 apatite grains produced data points with <20% age error. The traditional bulk sample Tera-Wasserburg U-Pb intercept method produced a cooling age for the Piz Jenatsch granite of 312.5 ± 7.7 Ma and Pb_c ratio of 0.8286. The single grain TW

intercept method produced a weighted average cooling age of 310.8 ± 7.1 Ma with an average Pb_c ratio of 0.8276 (Fig. 3.2a).

Swiss Molasse Basin Case Study

Apatite from two samples from the Swiss Molasse Basin (SMB), part of the greater Northern Alpine Foreland Basin (Homewood et al., 1987), were analyzed to demonstrate the intra-grain Pb_c depth-profiling method for detrital apatite. A sample from the Upper Marine Molasse (UMM) and a sample from the Lower Freshwater Molasse (LFM), separated by a major Burdigalian unconformity were chosen for this case study to explore both the methodological viability and the possible provenance shift in the Molasse basin.

Apatite from the Upper Marine Molasse (09SFB14, n=21) provided Tera-Wasserburg U-Pb cooling age estimates with an error of <50% of the cooling age. 18 grains provided TW generated ages with <20% age error, and 5 of those grains provided TW generated ages with <5% age error. Grains with low precision either lacked ^{238}U concentration or didn't exhibit the necessary variability in ^{238}U to allow the fitting of an accurate intercept line The KDE diagram for the Upper Marine Molasse cooling ages and Pb_c compositions can be observed in Figures 3.3 a,b,c.

Apatites from the Lower Freshwater Molasse (09SFB33, 09SFB13; n=101) provided Tera-Wasserburg U-Pb cooling age estimates within a 2σ error of <40% of the cooling age. 61 grains provided TW generated ages of <20% age error and 34 grains provided TW generated ages with <10% age error. Virtually all samples that did not provide a reliable single grain Tera-Wasserburg U-Pb discordia line generated ages that either lacked the necessary U concentration or didn't exhibit the necessary intra-grain variability in U concentration to allow spread along the Tera-Wasserburg U-Pb diagram x-axis, enabling the fitting of an accurate intercept line. A bulk sample Tera-Wasserburg U-Pb diagram was generated (Fig. 3.3d) as well as Kernal Density Estimate (KDE) diagrams of the intra-grain apatite U-Pb ages and Pb_c compositions for the LFM (Fig. 3.3e,f).

DISCUSSION

Age Implications

The Piz Jenatsch granite sample exhibits a statistical equivalence between the cooling age garnered from the bulk sample Tera-Wasserburg U-Pb diagram and the average of the individual intra-grain Tera-Wasserburg intercept ages, illustrating the reliability of the single grain depth profiling method. The average Pb_c ratio of the single-grain Tera-Wasserburg diagram of 0.828, while the bulk sample Tera-Wasserburg Pb_c ratio is 0.8154 and measured feldspar ratio is 0.829.

Comment [Office13]: Errors??

Both the LFM and UMM detrital apatite data display Late Carboniferous to Middle Permian cooling signatures. Due to sample limitations and a lack of apatite grains in the UMM, the LFM provides a more statistically robust number of grains to make interpretation on, although both the LFM and UMM are presented in the paper. The LFM detrital age spectra exhibit a bimodal distribution with age modes of 320 Ma and 290 Ma (Fig. 3.3b). These Late Carboniferous and Early Permian ages coincide with Late Variscan magmatism seen throughout the Western Alps. The UMM has a distinct bimodal age population as well as a younging trend when compared to the LFM. The UMM does not have a dominating 320 Ma cooling age signal and instead has two main age peaks at 290 Ma and 250 Ma (Fig. 3.3e). The distinct shift in DA modal ages trend observed between the UMM and LFM is likely related to exhumation and inversion of Permian basins during the Alpine orogeny. The absence of Cretaceous to Eocene apatite U-Pb cooling ages indicates that the thermal window necessary to reset the apatite U-Pb system was not reached during the main phase of the Alpine continent-continent collision in the drainage area, limiting the size of the drainage basin, as no Lepontine dome detritus is observed. The lack of Jurassic cooling ages also indicates that samples with the drainage basin were not reset during the opening of the Alpine Tethyan. The simplicity and relative homogeneity of the apatite U-Pb cooling ages in both the magmatic and detrital samples helps to confirm the viability of the method. However, as with any analytical methods there are limitations. The following section explores some of these limitations and pitfalls.

Impacts and Difficulties of Intra-grain Common Pb and Cooling Age Determination

The determination of Pb_c composition and cooling ages for individual apatite grains allows for detrital apatite U-Pb to be used as a tool in provenance studies. The depth-profiling apatite method allows for the study of basins that record tectonic events that zircon U-Pb may be insensitive to. The lower chemical and mechanical resistivity of apatite also means that the apatite present in a basin is more likely to be first cycle detritus, decreasing the likelihood of non-unique signals inherited from previous orogens. Apatite is present in nearly all magmatic rock types, as opposed to zircon which is mainly present in felsic plutonic rocks, and hence source signal biases are less likely to occur due to lithology variations between contributing provenances, and apatite may be found in basins which lack zircon. The difficulties of the intra-grain apatite method aligns with the difficulties inherent in traditional apatite U-Pb dating, such as low apatite populations in a sample, low parent-nuclide concentrations, or invariable U concentrations. As the analysis relies on depth profiling the concentration gradient of U within each apatite, and the concentration gradient within the apatite is what allows for the spread on the Tera-Wasserburg discordia line, the methods success also hinges on the U heterogeneity within an apatite grain. For a meaningful intra-grain apatite Tera-Wasserburg U-Pb discordia to be generated an apatite needs to exhibit appreciable amounts of radiogenic U and Pb and have sufficient U variability within the grain (Fig. 3.4a). An apatite without any measurable U variability will plot near a single point along the radiogenic – Pb_c mixing line and a meaningful intercept cannot be determined (Fig. 3.4b). An apatite that has no measurable U will have all data points plot at the Pb_c intercept in Tera-Wasserburg U-Pb concordia space (Fig. 3.4c). Regardless, this novel method allows for effective correction of common Pb in detrital apatite the despite the lack of a cogenetic phase or bulk sample Pb_c homogeneity, making it feasible to conduct detrital apatite U-Pb dating in provenance in source-to-sink studies.

CONCLUSIONS

Recent advancements in laboratory technologies and apatite U-Pb methodology, paired with a novel approach regarding data manipulation, has created the potential to

obtain an individual apatite grains U-Pb cooling age and Pb_c composition using an LA-ICP-MS. The method presented here shows that the intra-grain apatite U-Pb method can achieve a level of precision similar to that of bulk sample analyses, as evidenced by the comparison of the intra-grain method results to the bulk analyses results on the Alpine Variscan granite. The application of the intra-grain method on detrital apatite from the Swiss Molasse Basin represents the first time apatite U-Pb has been performed on detrital grains via LA-ICP-MS without having to overlook or indirectly work around the issue of variable Pb_c compositions within the sample. Detrital apatite from the Upper Marine Molasse and Lower Freshwater Molasse from the Swiss Molasse Basin were observed to experience a distinct younging upsection, which is likely related to the progressive exhumation of units source terrane during the Alpine orogeny. While this case study exhibits the potential of the intra-grain apatite method, there are limitations the techniques success. Both low radiogenic parent concentrations and low variability of parent nuclides can prohibit the generation of an accurate single grain apatite Tera-Wasserberg U-Pb concordia diagram. Regardless, the advent of the intra-grain method provides an opportunity for geologists to collect previously unobtainable information from apatite and approach detrital provenance studies in a novel way.

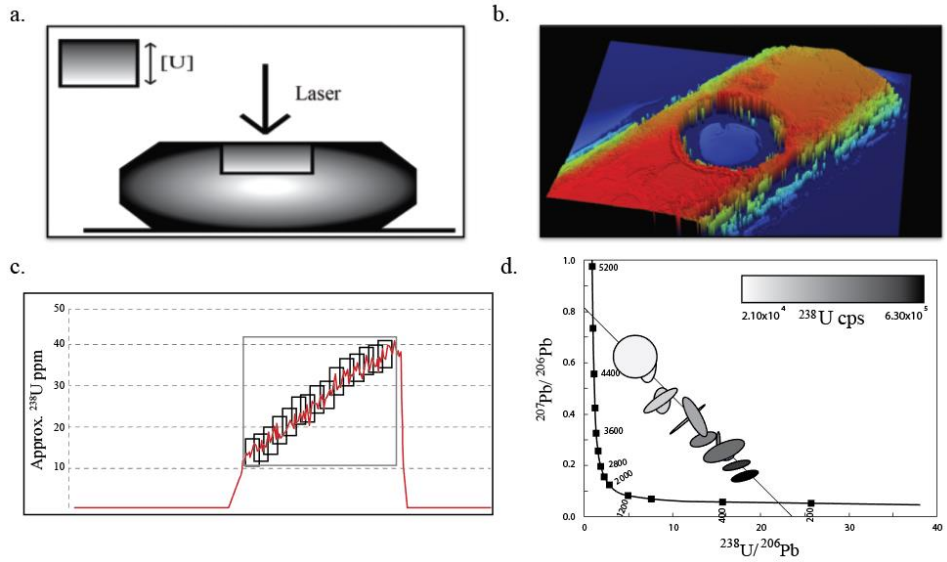
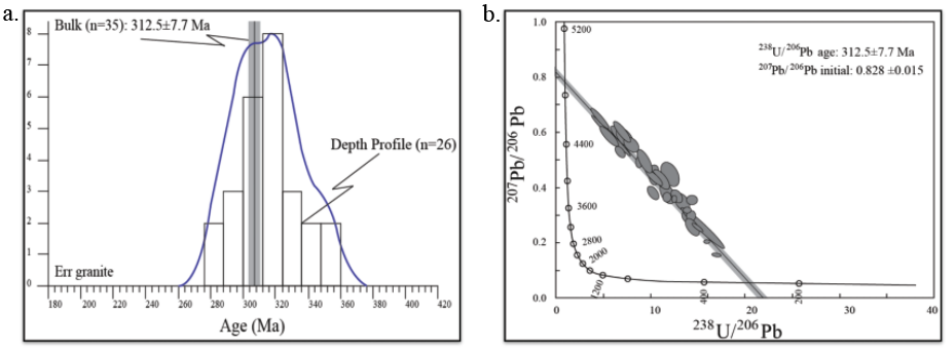


Figure 3.1: (A): Schematic diagram of an unpolished apatite and the variable uranium concentration often present within the grain. (B): High-resolution photo of an apatite grain after ablation. Picture taken using the Bruker Contour GT-K1 3D optical profiler. (C): Data wave representing downhole corrected U in a single grain in IOLITE. The grey integration window covers the entire apatite trace (traditional method), on the right 3 second integration windows span throughout a single grain. Each window will eventually plot as an ellipse on the grains apatite Tera-Wasserburg U-Pb concordia diagram. (D): Example intra-grain apatite Tera-Wasserburg U-Pb concordia diagram showing how depth intervals within a grain plot on a Tera-Wasserburg. Relatively U-rich intervals plot toward the x-axis concordia while U-poor zones plot toward the y-axis and common Pb comoposition.



Bulk sample
Lower intercept (Age)312.5 +/-7.7 Ma
Tera-Wasserburg $^{207}Pb/^{206}Pb$ initial: 0.828
Measured feldspar $^{207}Pb/^{206}Pb$: 0.829

Depth Profile average
Lower intercept (Age): 310.8 +/-7.1 Ma
$^{207}Pb/^{206}Pb$ initial: 0.828

Figure 3.2: (A): Kernel Density Estimate diagram of the intra-grain cooling ages obtained from Variscan Alpine granite PJ15-05. The bulk sample age is given and compared to the intra-grain age. (B): Example of an intra-grain Tera-Wasserburg diagram obtained from a grain in the PJ15-05 sample.

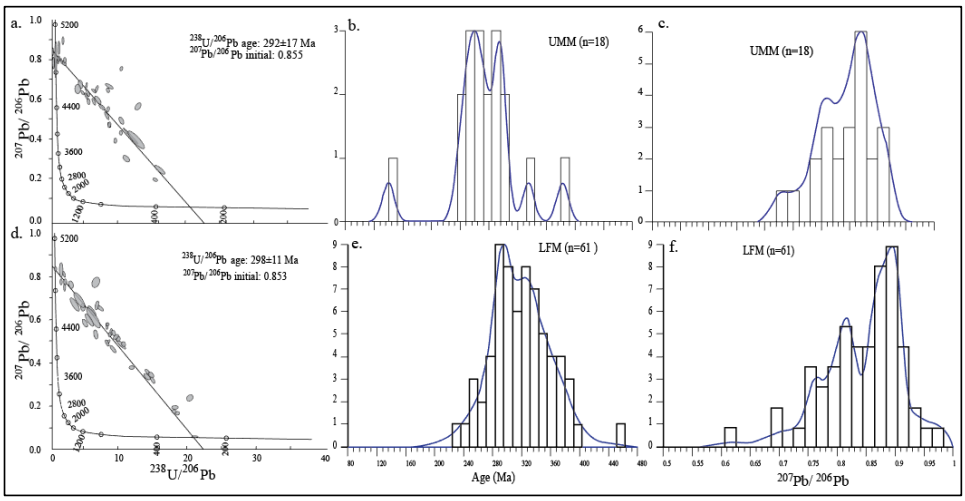


Figure 3.3: (A): Tera-Wasserburg concordia diagram generated from the Upper Marine Molasse detrital apatite bulk sample 09SFB14. (B): Kernel Density Estimate diagram generated from the intra-grain method on UMM apatite. (C): Kernel Density Estimate diagram of the common Pb compositions obtained from the intra-grain apatite method on UMM grains. (D): Bulk sample Tera-Wasserburg concordia diagram generated for the Lower Freshwater Molasse samples (09SFB13, 09SFB33). (E): Kernel Density Estimate diagram generated for the ages obtained from the LFM via the intra-grain apatite method. (F): Kernel Density Estimate diagram generated for the common Pb compositions obtained from the intra-grain method on the LFM.

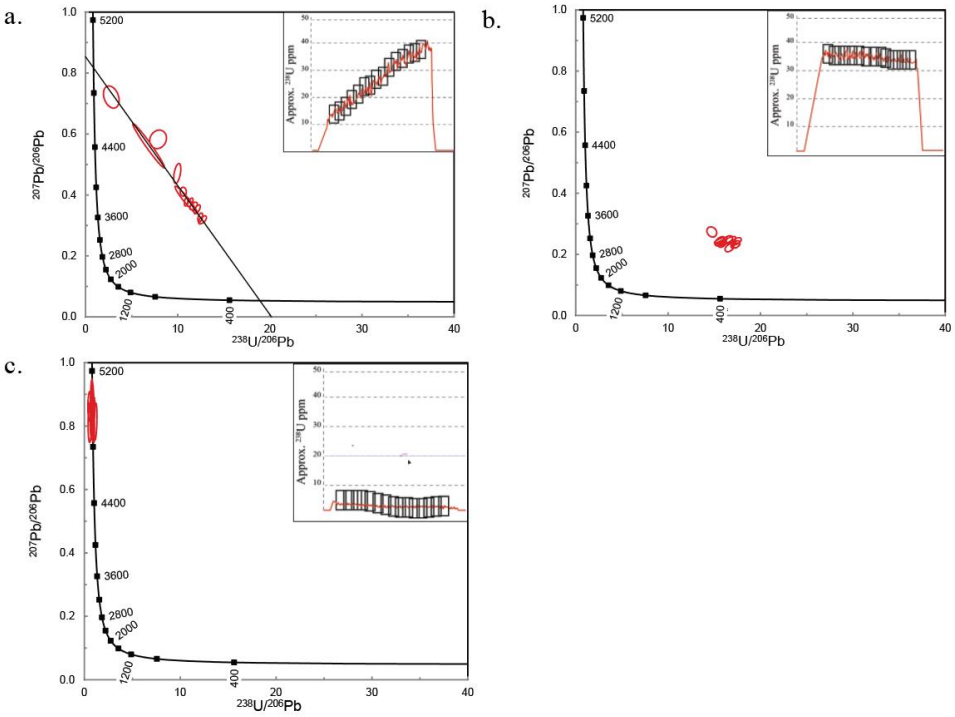


Figure 3.4: (A): Intra-grain apatite Tera-Wasserburg U-Pb concordia diagram generated for a grain with sufficient U concentration and U variability, which allows the generation of a meaningful intercept giving both common Pb and cooling age for the grain. (B): Intra-grain apatite Tera-Wasserburg U-Pb concordia diagram generated for a grain with little to no U heterogeneity, causing no spread of data points in Tera-Wasserburg space and prohibiting the fitting of an intercept line. (C): Intra-grain apatite Tera-Wasserburg U-Pb concordia diagram generated for a grain with no substantial U, pushing all data points to the Pb_c intercept.

Appendix A

Sample Information

Name	Lat	Long	Apatite U-Pb Age	2sError	Pbc	Zircon U-Pb Age	2sError	Domain
08TS08*	46.7723	10.2132	290.3	5.6	0.8364	291.7	2.4	Tasna
TS16-7	46.79377	10.22396	251.8	1.5	0.8512	303.5	3.3	Tasna
TS15-1	46.78879	10.21783	254.7	2.2	0.8399			Tasna
TS15-3	46.79237	10.22906	231.2	5.1	0.8099			Tasna
TS15-2	46.79233	10.22866	225.8	5.1	0.821	304.3	8.1	Tasna
TS16-10	46.80299	10.21914	213.4	2.1	0.8562			Tasna
TS15-4	46.81903	10.25038	202.7	5.4	0.8563	290.4	4.1	Tasna
TS15-6	46.818	10.24881	204.8	7.2	0.8592			Tasna
TS16-14	46.82636	10.2507	178.3	3.3	0.8669	302.2	5.7	Tasna
TS16-13	46.82617	10.25044	177.3	5.3	0.8423			Tasna
TS16-15	46.82639	10.25099	216.2	5.7	0.8559	278.8	4.3	Tasna
08FA06*	46.5635	9.682	243.4	2.1	0.839	305.9	2.4	Platta
08FA07*	46.566	9.6816	250.9	2.8	0.842			Platta
PJ15-05	9.72782	46.53435	307.5	5.4	0.824	307.5	2.1	Err
10ED03*	46.5421	9.7414	301.9	4.2	0.7745	303.7	2.1	Err

Appendix B

Apatite U-Pb Data

Sample Name	$^{207}Pb/^{235}U$	$^{207}Pb/^{235}U$ 2SE	206/238	$^{206}Pb/^{238}U$ 2SE	$^{206}Pb/^{238}U$ vs $^{207}Pb/^{235}U$
TS16_7_1	3.2	0.12	0.0639	0.0012	0.75788
TS16_7_2	9.8	1.2	0.121	0.012	0.96992
TS16_7_3	3.75	0.12	0.0737	0.0017	0.6095
TS16_7_4	15.04	0.91	0.1666	0.0087	0.9913
TS16_7_5	2.77	0.11	0.05794	0.00099	0.87579
TS16_7_6	18.4	1.6	0.197	0.015	0.90196
TS16_7_7	4.61	0.39	0.0755	0.0031	0.98226
TS16_7_8	1.124	0.095	0.041	0.001	0.90979
TS16_7_9	19.1	1.5	0.19	0.011	0.93501
TS16_7_10	13.65	0.27	0.1535	0.0028	0.6264
TS16_7_11	12.82	0.3	0.1417	0.003	0.3086
TS16_7_12	2.95	0.14	0.0611	0.0015	0.81159
TS16_7_13	2.88	0.24	0.0649	0.0027	0.92772
TS16_7_14	2.86	0.16	0.0656	0.0019	0.91885
TS16_7_15	7.88	0.1	0.1038	0.0015	0.12938
TS16_7_16	2.82	0.18	0.0655	0.0024	0.88055
TS16_7_17	2.19	0.17	0.0531	0.0016	0.80467
TS16_7_18	2.67	0.13	0.0591	0.0012	0.86924
TS16_7_19	16.8	1.3	0.182	0.012	0.7572
TS16_7_20	25.9	2.5	0.255	0.022	0.98232
TS16_7_21	22.7	1	0.2228	0.0088	0.97076
TS16_7_22	8.2	1.1	0.0993	0.0092	0.99226
TS16_7_23	11.95	0.44	0.1388	0.0039	0.69561
TS16_7_24	2.8	0.75	0.0539	0.0063	0.99197
TS16_7_25	3.88	0.11	0.0727	0.0015	0.72415
TS16_7_26	13.9	0.31	0.1633	0.0033	0.50189
TS16_7_27	31.3	2.1	0.299	0.017	0.9488
TS16_7_28	4.087	0.094	0.0861	0.002	0.36016
TS16_7_29	15.79	0.28	0.1754	0.0034	0.36222
TS16_7_30	27.4	3.5	0.278	0.031	0.97846
TS16_7_31	16.85	0.59	0.1808	0.0057	0.89172
TS16_7_32	3.169	0.092	0.0691	0.0012	0.5406
TS16_7_33	2.28	0.17	0.0508	0.001	0.12966
TS16_7_34	3.26	0.14	0.0656	0.0014	0.69235

TS16_7_35	7.4	0.39	0.1021	0.0036	0.93476
TS16_7_36	6.96	0.31	0.0953	0.0031	0.87884
TS16_7_37	7.53	0.39	0.0977	0.0034	0.93538
TS16_7_38	3.45	0.47	0.0676	0.0043	0.99434
TS16_7_39	11.68	0.43	0.1404	0.004	0.85733
TS16_7_40	3.15	0.12	0.0747	0.0015	0.78586
TS16_7_41	2.534	0.079	0.05885	0.00078	0.85756
TS16_7_42	2.34	0.11	0.0659	0.0015	0.79463
TS16_7_43	21.4	1.2	0.224	0.011	0.91178
TS16_7_44	2.073	0.058	0.06264	0.00086	0.62921
TS16_7_45	9.28	0.25	0.1141	0.0025	0.30657
TS16_7_46	11.73	0.19	0.1361	0.0021	0.33843
TS16_7_47	3.02	0.11	0.0729	0.0015	0.57636
TS16_7_48	5.99	0.81	0.0903	0.0068	0.97365
TS16_7_49	13.2	1.5	0.146	0.013	0.66669
TS16_7_50	13.08	0.28	0.1494	0.0026	0.60708
TS16_7_51	14.13	0.6	0.1572	0.0055	0.89659
TS16_7_52	2.735	0.066	0.06152	0.00092	0.7274
TS16_7_53	3.14	0.13	0.0602	0.0012	0.91214
TS16_7_54	8.79	0.25	0.1133	0.0026	0.65636
TS16_7_55	2.702	0.035	0.06093	0.00067	0.54803
TS16_7_56	2.99	0.092	0.067	0.0011	0.69831
TS16_7_57	2.832	0.076	0.0634	0.001	0.60436
TS16_7_58	17.81	0.49	0.1946	0.005	0.59693
TS16_7_59	1.536	0.026	0.05093	0.00068	0.5627
TS16_7_60	11.76	0.38	0.1418	0.0043	0.84027
TS16_7_61	2.14	0.14	0.0601	0.0015	0.84704
TS16_7_62	2.316	0.085	0.0612	0.0011	0.70467
TS16_7_63	1.09	0.034	0.04755	0.00073	0.50688
TS16_7_64	2.65	0.11	0.0685	0.0018	0.76142
TS16_7_65	5.65	0.29	0.0929	0.0029	0.88593
TS16_13_1	73	10	0.636	0.085	0.99694
TS16_13_2	20.11	0.49	0.2088	0.0075	0.44834
TS16_13_3	28.84	0.82	0.2768	0.0077	0.97321
TS16_13_4	27.57	0.51	0.2614	0.0073	0.49512
TS16_13_5	18.33	0.47	0.1828	0.0042	0.82858
TS16_13_6	31.7	1.4	0.294	0.012	0.98058
TS16_13_7	47.9	1.5	0.436	0.014	0.91789

TS16_13_8	52.2	1.5	0.482	0.015	0.6288
TS16_13_9	58.9	1.4	0.516	0.0096	0.59799
TS16_13_11	20.88	0.74	0.207	0.007	0.9751
TS16_13_12	32.2	0.87	0.3065	0.0082	0.94267
TS16_13_13	17.18	0.97	0.1779	0.0089	0.95697
TS16_13_14	44.3	2.1	0.404	0.019	0.71587
TS16_13_15	49.7	1.1	0.464	0.012	0.72982
TS16_13_16	53.9	2.2	0.487	0.02	0.82471
TS16_13_17	36.7	2.6	0.354	0.024	0.97045
TS16_13_18	22.05	0.77	0.2135	0.0074	0.94477
TS16_13_19	74.6	8.1	0.673	0.071	0.9933
TS16_13_20	45.6	1.2	0.414	0.013	0.95869
TS16_13_21	23.4	1.6	0.241	0.02	0.71581
TS16_13_22	28.23	0.51	0.2633	0.005	0.72217
TS16_13_23	53.8	2.5	0.497	0.024	0.97289
TS16_13_24	54.26	0.78	0.4909	0.0085	0.83241
TS16_13_25	23.57	0.43	0.2298	0.0042	0.73369
TS16_13_26	29.8	2.3	0.298	0.024	0.9892
TS16_13_27	26.09	0.44	0.2548	0.0043	0.59338
TS16_13_28	30.4	2.9	0.286	0.025	0.92555
TS16_13_29	11.36	0.18	0.1244	0.0018	0.75634
TS16_13_30	20.41	0.39	0.203	0.0038	0.93285
TS16_13_31	14.62	0.27	0.1529	0.0023	0.76919
TS16_13_32	26.2	2.3	0.251	0.021	0.97944
TS16_13_33	35.2	4.1	0.333	0.037	0.97817
TS16_13_34	57.9	1.9	0.534	0.018	0.93736
TS16_13_35	9.94	0.2	0.1105	0.0017	0.58965
TS16_13_36	33.3	3	0.319	0.027	0.94821
TS16_13_37	184	46	1.63	0.41	0.99589
TS16_13_38	35.5	0.8	0.3347	0.0082	0.7589
TS16_13_39	104	19	0.96	0.18	0.99315
TS16_13_40	21	2	0.214	0.018	0.9846
TS16_13_41	37.4	2	0.359	0.019	0.96211
TS16_13_42	67.7	2.6	0.614	0.024	0.9678
TS16_13_43	32.5	2.2	0.306	0.019	0.98962
TS16_13_44	27	1.7	0.258	0.015	0.95059
TS16_13_45	30.5	1.6	0.287	0.013	0.95176
TS16_13_46	54.1	7.2	0.457	0.054	0.99211
TS16_13_47	33.7	1.9	0.322	0.018	0.94447

TS16_13_48	29.99	0.55	0.2852	0.0058	0.3166
TS16_13_49	79.7	5.6	0.717	0.05	0.98095
TS16_13_50	14.78	0.29	0.1571	0.0029	0.53673
TS16_13_51	26.1	1.3	0.249	0.011	0.98583
TS16_13_52	53.9	3.5	0.481	0.029	0.97702
TS16_13_53	53	15	0.47	0.13	0.99848
TS16_13_54	35	3.1	0.329	0.028	0.96305
TS16_13_55	30.21	0.8	0.2859	0.0071	0.93655
TS16_13_58	11.99	0.69	0.1325	0.0064	0.94028
TS16_13_59	28.4	1.1	0.2735	0.0096	0.96168
TS16_13_60	82.1	3.6	0.74	0.033	0.97849
TS16_13_61	47.9	1.2	0.441	0.011	0.93704
TS16_13_62	41.6	2.1	0.396	0.021	0.95572
TS16_13_63	34.46	0.53	0.3287	0.0052	0.73066
PJ15_05_1	7.4	1	0.142	0.014	0.93051
PJ15_05_2	3.35	0.38	0.0813	0.0052	0.76995
PJ15_05_3	3.79	0.25	0.0932	0.0042	0.88289
PJ15_05_4	1.828	0.066	0.0683	0.0017	0.78618
PJ15_05_5	7.12	0.6	0.145	0.01	0.90777
PJ15_05_6	3.8	0.28	0.0936	0.0044	0.61233
PJ15_05_7	4.17	0.25	0.098	0.004	0.87257
PJ15_05_8	2.12	0.23	0.071	0.0028	0.9773
PJ15_05_9	2.83	0.3	0.083	0.0044	0.91882
PJ15_05_10	1.739	0.083	0.0673	0.0018	0.60971
PJ15_05_11	0.822	0.041	0.0572	0.0013	0.75016
PJ15_05_12	9.2	3.7	0.17	0.05	0.99964
PJ15_05_13	8.66	0.75	0.155	0.011	0.93863
PJ15_05_14	0.2335	0.0044	0.04843	0.00081	0.47087
PJ15_05_15	9.6	1.9	0.177	0.026	0.98651
PJ15_05_16	1.65	0.77	0.065	0.011	0.99438
PJ15_05_17	1.142	0.04	0.0605	0.0011	0.61605
PJ15_05_18	5.01	0.23	0.1111	0.0045	0.74376
PJ15_05_19	2.81	0.18	0.0832	0.003	0.85106
PJ15_05_20	2.25	0.23	0.0721	0.0031	0.72056
PJ15_05_21	0.2175	0.003	0.04448	0.00058	0.71137
PJ15_05_22	2.547	0.086	0.0763	0.0022	0.22858
PJ15_05_23	3.3	0.28	0.0946	0.0044	0.86469
PJ15_05_24	2.9	0.26	0.0832	0.0035	0.88578
PJ15_05_25	3.09	0.48	0.085	0.0065	0.98249

PJ15_05_26	4.01	0.17	0.0935	0.0031	0.68497
PJ15_05_27	2.53	0.21	0.0757	0.003	0.82739
PJ15_05_28	1.83	0.11	0.0677	0.0019	0.55919
PJ15_05_29	1.56	0.19	0.0674	0.0029	0.87067
PJ15_05_30	2.04	0.075	0.0698	0.0016	0.71957
PJ15_05_31	7.1	1.2	0.137	0.017	0.9862
PJ15_05_32	7.34	0.79	0.137	0.011	0.92255
PJ15_05_33	6.13	0.64	0.1239	0.0096	0.93894
PJ15_05_34	3.53	0.32	0.0888	0.0045	0.87954
PJ15_05_35	2.75	0.12	0.083	0.0027	0.62476
PJ15_05_36	2.18	0.11	0.0678	0.0021	0.67209
PJ15_05_37	11.8	2.3	0.211	0.035	0.99686
PJ15_05_38	4.75	0.54	0.1045	0.0067	0.91296
PJ15_05_39	1.84	0.15	0.0695	0.0023	0.79657
PJ15_05_40	1.51	0.12	0.065	0.0021	0.94414
PJ15_05_41	3.4	0.23	0.0892	0.0033	0.94834
TS15_02__1	36.1	2.8	0.492	0.037	0.97026
TS15_02__2	17.3	5	0.257	0.065	0.99513
TS15_02__3	56.3	3.4	0.764	0.047	0.94424
TS15_02__4	4.24	0.51	0.0877	0.0072	0.96326
TS15_02__5	55.9	5.7	0.773	0.081	0.98708
TS15_02__6	15.5	2.6	0.258	0.034	0.98088
TS15_02__7	7.1	1	0.13	0.014	0.97026
TS15_02__8	27.5	4.6	0.395	0.063	0.983
TS15_02__9	84.3	8.7	1.12	0.11	0.98427
TS15_02__10	2.81	0.33	0.1012	0.006	0.9186
TS15_02__11	55.4	9.8	0.74	0.12	0.99226
TS15_02__12	37.1	2.3	0.519	0.033	0.87762
TS15_02__13	111	12	1.49	0.17	0.99235
TS15_02__14	182	84	2.6	1.2	0.99181
TS15_02__15	38.7	4.3	0.551	0.06	0.997
TS15_02__16	103	16	1.41	0.21	0.99382
TS15_02__17	62	4.4	0.857	0.06	0.97601

TS15_02__18	20	3	0.314	0.043	0.97786
TS15_02__19	64.5	8.9	0.89	0.12	0.98561
TS15_02__20	12.1	2.6	0.19	0.036	0.998
TS15_02__21	48.5	8.3	0.69	0.12	0.98623
TS15_02__22	114	39	1.82	0.62	0.99494
TS15_02__23	22.8	1.2	0.331	0.016	0.91617
TS15_02__24	118	52	2.12	0.95	0.97393
TS15_02__25	10	0.95	0.169	0.014	0.95064
TS15_02__26	44.1	2.5	0.622	0.036	0.93634
TS15_02__27	21	4.9	0.318	0.065	0.98847
TS15_02__28	31.6	4.4	0.456	0.056	0.98408
TS15_02__29	49.9	4.9	0.699	0.066	0.94603
TS15_02__30	9.5	1.8	0.161	0.022	0.99796
TS15_02__31	59.4	7.7	0.81	0.1	0.98869
TS15_02__32	67.3	8.4	0.93	0.11	0.96351
TS15_02__33	43.8	3.7	0.61	0.047	0.94888
TS15_02__34	15.2	4.3	0.245	0.057	0.99585
TS15_02__35	206	26	2.73	0.34	0.99595
TS15_02__36	5.99	0.58	0.1147	0.0079	0.96771
TS15_02__37	32.9	2.9	0.462	0.039	0.9804
TS15_02__38	178	49	2.3	0.62	0.99903
TS15_02__39	121	19	1.61	0.25	0.99244

TS15_03_1	42.8	4.6	0.611	0.061	0.98466
TS15_03_2	56.2	6.2	0.803	0.088	0.98894
TS15_03_3	6.6	1.3	0.125	0.019	0.9723
TS15_03_4	41	5.7	0.585	0.079	0.9901
TS15_03_5	1.9	0.14	0.0584	0.0024	0.91998
TS15_03_6	37.9	2.9	0.548	0.042	0.98059
TS15_03_7	23.1	2.2	0.359	0.033	0.9499
TS15_03_8	5.51	0.82	0.109	0.012	0.96584
TS15_03_9	5.01	0.2	0.0965	0.0037	0.76882
TS15_03_10	5.67	0.25	0.1119	0.0047	0.75114
TS15_03_11	4.27	0.12	0.0894	0.0025	0.61929
TS15_03_12	47.9	6.6	0.684	0.099	0.98403
TS15_03_13	1.95	0.13	0.0657	0.0022	0.86479
TS15_03_14	10.12	0.49	0.1661	0.0077	0.81911
TS15_03_15	24.4	2.1	0.358	0.032	0.96749
TS15_03_16	13.1	1.2	0.205	0.018	0.96493
TS15_03_17	35.3	3.6	0.504	0.057	0.97482
TS15_03_18	44.9	5.3	0.611	0.071	0.98079
TS15_03_19	14.8	2.6	0.224	0.034	0.99037
TS15_03_20	6.75	0.54	0.1242	0.0088	0.89425
TS15_03_21	23.3	1.9	0.341	0.027	0.9431
TS15_03_22	6.6	0.49	0.1203	0.0076	0.87833
TS15_03_23	14.13	0.67	0.231	0.011	0.86765
TS15_03_24	7.95	0.52	0.1351	0.0069	0.86913
TS15_03_25	56.8	6.2	0.782	0.093	0.99037
TS15_03_26	2.157	0.076	0.0595	0.0016	0.54259
TS15_03_27	16	1.6	0.246	0.024	0.96383
TS15_03_28	39.8	4.4	0.68	0.16	0.96146
TS15_03_29	23	3.1	0.352	0.053	0.98106
TS15_03_30	11.08	0.86	0.188	0.013	0.91129
TS15_03_31	17.9	0.72	0.268	0.015	0.80651
TS15_03_32	6.28	0.81	0.115	0.011	0.97406
TS15_03_33	7.8	1.7	0.142	0.024	0.98037
TS15_03_34	10.16	0.59	0.172	0.011	0.84689
TS15_03_35	13.3	1.6	0.223	0.023	0.94209
TS15_03_36	29.4	3	0.425	0.043	0.95902
TS15_03_37	11.42	0.78	0.182	0.012	0.88532
TS15_03_38	22.7	4.4	0.332	0.059	0.98904
TS15_03_39	4.44	0.23	0.0898	0.0041	0.76679

TS15_03_40	9.8	0.87	0.161	0.012	0.94005
TS15_03_41	45.2	9.3	0.71	0.16	0.97287
TS15_03_42	31.4	2.5	0.433	0.035	0.93927
TS15_03_43	11.76	0.84	0.197	0.014	0.88701
TS15_01_1	2.09	0.22	0.0561	0.0023	0.89613
TS15_01_2	4.336	0.08	0.0734	0.0016	0.25241
TS15_01_3	3	0.62	0.0588	0.0055	0.97804
TS15_01_4	7.07	0.27	0.0985	0.0027	0.68019
TS15_01_5	6.7	1.1	0.093	0.012	0.99519
TS15_01_6	5.4	1	0.088	0.0092	0.98179
TS15_01_7	1.66	0.27	0.0525	0.0022	0.99326
TS15_01_8	4.78	0.25	0.0765	0.0028	0.93558
TS15_01_9	6.39	0.21	0.0953	0.0023	0.60769
TS15_01_10	6.19	0.66	0.0895	0.006	0.96318
TS15_01_11	2.1	0.15	0.0596	0.0029	0.45273
TS15_01_12	1.91	0.39	0.0552	0.0032	0.98354
TS15_01_13	1.653	0.046	0.0559	0.0012	0.37811
TS15_01_14	1.599	0.044	0.04786	0.00083	0.65993
TS15_01_15	4.09	0.77	0.0736	0.007	0.96778
TS15_01_16	5.4	1	0.0876	0.0086	0.98529
TS15_01_17	6.94	0.73	0.1053	0.0064	0.92846
TS15_01_18	2.79	0.72	0.062	0.0065	0.99585
TS15_01_19	5.92	0.51	0.0869	0.005	0.91536
TS15_01_20	1.636	0.058	0.05217	0.00084	0.56267
TS15_01_21	6.9	1.6	0.096	0.014	0.99659
TS15_01_22	4.63	0.7	0.0753	0.0064	0.96776
TS15_01_23	2.343	0.07	0.06	0.0011	0.75686
TS15_01_24	4.85	0.21	0.0744	0.0026	0.61163
TS15_01_25	1.851	0.077	0.0553	0.0011	0.70419
TS15_01_26	3.92	0.1	0.0695	0.0015	0.66468
TS15_01_27	2.46	0.17	0.0616	0.0019	0.76015
TS15_01_28	2.35	0.12	0.0606	0.0017	0.71901
TS15_01_29	6.06	0.15	0.0971	0.0021	0.61036
TS15_01_30	1.89	0.18	0.0553	0.0021	0.87717
TS15_01_31	4.21	0.13	0.0748	0.0017	0.692
TS15_01_32	12	7.3	0.162	0.079	0.98985
TS15_01_33	2.36	0.42	0.062	0.0048	0.95875
TS15_01_34	1.89	0.1	0.0556	0.0012	0.87678
TS15_01_35	2.24	0.1	0.0581	0.0015	0.81565

TS15_01_36	1.769	0.064	0.0531	0.0011	0.72387
TS15_01_37	12.6	1.1	0.1498	0.009	0.9376
TS15_01_38	8.18	0.41	0.1083	0.0041	0.73624
TS15_01_39	2.566	0.084	0.0628	0.0013	0.52762
TS15_01_40	11.8	2.6	0.146	0.023	0.98368
TS15_04_1	35.8	8.5	0.312	0.067	0.98575
TS15_04_2	26.52	0.62	0.2509	0.0062	0.67224
TS15_04_3	18.5	1.5	0.188	0.013	0.9379
TS15_04_4	42.9	1.2	0.3979	0.0094	0.70329
TS15_04_5	37.6	1.6	0.343	0.015	0.84575
TS15_04_6	19.43	0.62	0.1975	0.0067	0.94685
TS15_04_7	5.24	0.33	0.0745	0.0029	0.92668
TS15_04_8	35.4	4.4	0.325	0.033	0.89002
TS15_04_9	35.26	0.86	0.3258	0.0094	0.74799
TS15_04_10	24.8	2.5	0.242	0.023	0.97612
TS15_04_11	29.6	1.3	0.283	0.011	0.91923
TS15_04_12	8.19	0.46	0.0972	0.0044	0.90055
TS15_04_13	35.1	3.8	0.325	0.032	0.94983
TS15_04_14	7.81	0.44	0.0959	0.0041	0.87236
TS15_04_15	24.7	1.8	0.233	0.016	0.95223
TS15_04_16	30.8	1.2	0.2917	0.0096	0.88613
TS15_04_17	34.4	3.2	0.323	0.028	0.786
TS15_04_18	7.92	0.17	0.097	0.0021	0.58718
TS15_04_19	26.5	1.8	0.264	0.017	0.86751
TS15_04_20	15.6	1.5	0.159	0.014	0.96913
TS15_04_21	54.7	2.2	0.506	0.02	0.88893
TS15_04_22	27.3	1.6	0.2525	0.0087	0.65299
TS15_04_23	9.07	0.25	0.1074	0.0029	0.79382
TS15_04_24	28.6	1.9	0.263	0.016	0.88319
TS15_04_25	13.15	0.28	0.1444	0.0027	0.56834
TS15_04_26	12.5	3.7	0.135	0.033	0.99853
TS15_04_27	13.59	0.61	0.1445	0.0054	0.85357
TS15_04_28	49.8	2.5	0.458	0.023	0.93452
TS15_04_29	36.3	2.2	0.33	0.02	0.96351
TS15_04_30	35	1.9	0.332	0.018	0.91069
TS15_04_31	2.83	0.17	0.0543	0.0017	0.94972
TS15_04_32	17.42	0.58	0.1826	0.0062	0.51363
TS15_04_33	23.9	0.51	0.2276	0.0051	0.31231

TS15_04_34	34	1	0.318	0.01	0.59648
TS15_04_35	15.3	1	0.1628	0.0095	0.82825
TS15_06_1	17.58	0.29	0.1761	0.0035	0.5816
TS15_06_2	19.26	0.86	0.1965	0.008	0.96982
TS15_06_3	12.3	1.7	0.13	0.015	0.98358
TS15_06_4	78	18	0.67	0.14	0.99754
TS15_06_5	16.56	0.98	0.1728	0.0095	0.95889
TS15_06_6	no value	NAN	no value	NAN	NaN
TS15_06_7	12.67	0.35	0.1347	0.0031	0.86564
TS15_06_8	13.57	0.45	0.1467	0.004	0.90784
TS15_06_9	28.4	1.8	0.27	0.015	0.96924
TS15_06_10	40.7	2.6	0.372	0.022	0.95612
TS15_06_11	33.8	1.8	0.324	0.018	0.98703
TS15_06_12	25.2	1.7	0.248	0.016	0.98342
TS15_06_13	28.9	1.3	0.273	0.012	0.9412
TS15_06_14	10.83	0.13	0.1267	0.002	0.5323
TS15_06_15	18.25	0.8	0.1877	0.0064	0.96775
TS15_06_16	17.58	0.63	0.1755	0.0051	0.93829
TS15_06_17	13.45	0.25	0.1444	0.0027	0.90577
TS15_06_18	18.81	0.7	0.1881	0.0048	0.99017
TS15_06_19	20.52	0.39	0.2061	0.0048	0.48384
TS15_06_20	49	9.2	0.45	0.08	0.99696
TS15_06_21	63.1	4.5	0.565	0.038	0.97359
TS15_06_22	142.3	9	1.241	0.079	0.99691
TS15_06_23	18.79	0.37	0.1928	0.0048	0.62708
TS15_06_24	30.9	2	0.286	0.014	0.8391
TS15_06_25	no value	NAN	no value	NAN	NaN
TS15_06_26	76	16	0.69	0.14	0.99815
PJ15_05_1	5.97	0.67	0.1141	0.0076	0.90886
PJ15_05_2	4.59	0.47	0.1037	0.0062	0.89004
PJ15_05_3	3.6	0.21	0.0898	0.0035	0.74891
PJ15_05_4	2.46	0.14	0.0792	0.0026	0.59767
PJ15_05_5	2.46	0.18	0.0805	0.0028	0.78721
PJ15_05_6	3.25	0.22	0.0809	0.003	0.82456
PJ15_05_7	8.12	0.5	0.1515	0.0071	0.70576
PJ15_05_8	1.275	0.022	0.05998	0.00077	0.12922
PJ15_05_9	0.2516	0.003	0.0518	0.00052	0.56444
PJ15_05_10	2.32	0.13	0.0756	0.0019	0.72686

PJ15_05_11	1.69	0.092	0.0655	0.0015	0.76332
PJ15_05_12	2.348	0.073	0.0774	0.0014	0.46021
PJ15_05_13	2.864	0.076	0.0793	0.0017	0.35137
PJ15_05_14	0.249	0.0033	0.05141	0.00056	0.4123
TS15_02_1	17.6	3.7	0.252	0.047	0.98905
TS15_02_2	70.8	5	0.959	0.078	0.9852
TS15_02_3	48.2	2.1	0.645	0.026	0.95249
TS15_02_4	9.6	1.2	0.154	0.015	0.98153
TS15_02_5	3.24	0.11	0.07	0.0018	0.77522
TS15_02_6	15.8	2	0.253	0.026	0.95378
TS15_02_7	11.7	1.1	0.188	0.016	0.96189
TS15_02_8	12.7	1.9	0.19	0.023	0.96997
TS15_02_9	104	10	1.33	0.13	0.95966
TS15_02_10	40	3.3	0.549	0.041	0.95741
TS15_02_11	23.2	1.7	0.336	0.023	0.94845
TS15_02_12	14.9	2.4	0.215	0.03	0.97643
TS15_02_13	324	64	3.92	0.8	0.9864
TS15_02_14	39	1.7	0.531	0.023	0.83554
TS15_02_15	31.9	2.7	0.432	0.036	0.96226
TS15_02_16	47.1	3.6	0.585	0.036	0.338
TS15_02_17	33.8	2.1	0.459	0.027	0.90672
TS15_02_18	56.6	5.3	0.744	0.064	0.97027
TS15_02_19	44.1	2.6	0.563	0.034	0.93161
TS15_02_20	6.8	1.2	0.123	0.016	0.99778
TS15_02_21	45.2	5	0.621	0.063	0.97103
TS15_02_22	8.84	0.62	0.1433	0.0079	0.99315
TS15_02_23	39.3	3.2	0.559	0.045	0.9738
TS15_02_24	16	1.1	0.238	0.014	0.91993
TS15_02_25	14.7	1.7	0.244	0.019	0.9509
TS15_02_26	33.1	3.8	0.459	0.048	0.94441
TS15_02_27	18.4	1	0.269	0.015	0.9241
TS15_02_28	7.3	1.1	0.135	0.016	0.98246
TS15_02_29	36.1	4.3	0.496	0.055	0.9801
TS15_02_30	66.3	8.7	0.88	0.12	0.99276
TS15_02_31	103	27	1.35	0.35	0.99488
TS15_02_32	32.3	4	0.436	0.05	0.97076
TS15_02_33	48.3	2.1	0.643	0.026	0.9064
TS15_02_34	45.9	8.5	0.66	0.12	0.98103

TS15_02_35	28.4	2.6	0.407	0.034	0.95578
TS15_02_36	6.59	0.61	0.1251	0.0078	0.93713
TS15_02_37	34.6	1.3	0.473	0.016	0.82916
TS15_02_38	10.4	1.2	0.169	0.016	0.9661
TS15_02_39	23.3	2.4	0.337	0.029	0.97069
TS15_02_40	6.18	0.41	0.1098	0.0054	0.91339
UWA_1	1.74	0.017	0.1695	0.0014	0.38307
UWA_2	1.696	0.016	0.1674	0.0016	0.46777
UWA_3	1.749	0.018	0.17	0.0014	0.52762
UWA_4	1.731	0.02	0.1695	0.0015	0.43282
UWA_5	1.713	0.019	0.1693	0.0012	0.37087
UWA_6	1.7	0.018	0.1687	0.0014	0.38006
UWA_7	1.689	0.02	0.1676	0.0014	0.34696
UWA_8	1.714	0.018	0.1693	0.0013	0.29393
X08FA06_1	2.115	0.07	0.0658	0.0012	0.51616
X08FA06_2	1.776	0.053	0.0609	0.0011	0.72918
X08FA06_3	1.43	0.033	0.0568	0.001	0.39922
X08FA06_4	1.412	0.034	0.05529	0.00086	0.45537
X08FA06_5	2.381	0.076	0.0655	0.0015	0.72028
X08FA06_6	1.84	0.27	0.0642	0.0041	0.95943
X08FA06_7	1.4	0.14	0.0573	0.0021	0.9378
X08FA06_8	1.517	0.031	0.05517	0.00096	0.18929
X08FA06_9	1.209	0.028	0.05135	0.00075	0.22181
X08FA06_10	1.696	0.034	0.06452	0.00095	0.37049
X08FA06_11	2.265	0.051	0.0635	0.0012	0.29046
X08FA06_12	2.567	0.065	0.0668	0.0013	0.23689
X08FA06_13	2.61	0.26	0.0688	0.0034	0.95303
X08FA06_14	1.71	0.18	0.0566	0.0029	0.97475
X08FA06_15	3.72	0.12	0.086	0.002	0.48434
X08FA06_16	1.61	0.053	0.061	0.0011	0.50595
X08FA06_17	1.116	0.03	0.04795	0.00071	0.64849
X08FA06_18	6.3	1.4	0.117	0.018	0.99194
X08FA06_19	30	3.1	0.419	0.04	0.98398
X08FA06_20	1.567	0.066	0.0587	0.0013	0.47915
X08FA06_21	1.292	0.05	0.056	0.001	0.61913
X08FA06_22	0.72	0.023	0.04676	0.0007	0.55189
X08FA06_23	1.079	0.039	0.0503	0.0011	0.56627

X08FA06_24	1.062	0.033	0.05121	0.0009	0.39061
X08FA06_25	1.294	0.034	0.0536	0.001	0.55164
X08FA06_26	1.707	0.052	0.0577	0.0013	0.63206
X08FA06_27	1.445	0.034	0.05171	0.0008	0.23683
X08FA06_28	5	0.16	0.0987	0.0028	0.60218
X08FA06_29	10.43	0.5	0.1724	0.0062	0.93838
X08FA06_30	3.65	0.11	0.0848	0.0024	0.29506
X08FA06_31	2.325	0.065	0.067	0.0014	0.61483
X08FA06_32	1.551	0.08	0.0574	0.0012	0.7755
X08FA06_33	0.636	0.032	0.04458	0.00061	0.74573
X08FA06_34	2.24	0.38	0.0647	0.005	0.42241
X08FA06_35	1.223	0.044	0.0517	0.00078	0.33562
X08FA06_36	5.62	0.43	0.1113	0.0066	0.87863
X08FA06_37	1.739	0.07	0.0594	0.0014	0.67524
X08FA06_38	1.283	0.04	0.0528	0.00097	0.67703
X08FA06_39	3.62	0.087	0.0855	0.0023	0.56129
X08FA06_40	1.11	0.037	0.05099	0.00091	0.24234
X08FA07_1	1.5	0.073	0.0593	0.0012	0.78813
X08FA07_2	1.113	0.04	0.05311	0.00093	0.61851
X08FA07_3	1.543	0.031	0.05785	0.00089	0.048923
X08FA07_4	1.301	0.037	0.0577	0.0011	0.57289
X08FA07_5	0.899	0.024	0.04704	0.00073	0.25697
X08FA07_6	2.207	0.091	0.069	0.0016	0.69452
X08FA07_7	1.558	0.091	0.0604	0.0014	0.84004
X08FA07_8	0.929	0.043	0.04853	0.00092	0.66148
X08FA07_9	1.718	0.039	0.05559	0.00088	0.28267
X08FA07_10	1.444	0.059	0.0613	0.0012	0.67212
X08FA07_11	2.599	0.069	0.07	0.0014	0.31117
X08FA07_12	0.955	0.023	0.05175	0.00076	0.086219
X08FA07_13	1.482	0.055	0.0575	0.0012	0.73457
X08FA07_14	0.984	0.039	0.0514	0.0011	0.75381
X08FA07_15	1.196	0.049	0.05359	0.00087	0.7016
X08FA07_16	1.675	0.038	0.06186	0.00097	0.20459
X08FA07_17	1.59	0.091	0.0626	0.0017	0.8461
X08FA07_18	0.408	0.012	0.04381	0.00047	0.38642
X08FA07_19	1.756	0.076	0.0611	0.0013	0.76868
X08FA07_20	2.93	0.16	0.0793	0.0023	0.89149
X08FA07_21	2.657	0.094	0.0725	0.0016	0.49618

X08FA07_22	2.224	0.063	0.0677	0.0011	0.53335
X08FA07_23	1.205	0.055	0.05483	0.00095	0.58528
X08FA07_24	2.63	0.16	0.0719	0.0023	0.80382
X08FA07_25	1.67	0.064	0.062	0.0013	0.80315
X08FA07_26	1.54	0.083	0.0586	0.0013	0.88332
X08FA07_27	1.013	0.033	0.05337	0.00086	0.59926
X08FA07_28	1.312	0.055	0.0545	0.0012	0.74733
X08FA07_29	1.36	0.13	0.0536	0.0023	0.88076
X08FA07_30	2.021	0.055	0.0645	0.0012	0.33705
X08FA07_31	1.292	0.034	0.05386	0.00099	0.49182
X08FA07_32	2.45	0.19	0.072	0.0024	0.84671
X08FA07_33	1.81	0.15	0.0615	0.0021	0.94903
TS16_13_1	31.6	2.5	0.288	0.021	0.97899
TS16_13_2	56.9	6.6	0.5	0.055	0.97098
TS16_13_3	12.84	0.49	0.136	0.0044	0.97641
TS16_13_4	26.8	1.6	0.251	0.013	0.97931
TS16_13_5	13.64	0.37	0.1395	0.0032	0.74851
TS16_13_6	23.1	1.1	0.2206	0.0092	0.93806
TS16_13_7	76.8	2.1	0.666	0.018	0.94853
TS16_13_8	45.78	0.5	0.4132	0.0046	0.6472
TS16_13_9	34.7	3.5	0.306	0.028	0.97714
TS16_13_10	121	23	1.01	0.18	0.99759
TS16_13_11	37.3	2.3	0.331	0.02	0.98298
TS16_13_12	53.6	4.5	0.475	0.039	0.98838
TS16_13_13	19.56	0.45	0.1899	0.0041	0.92035
TS16_13_14	61.3	3.9	0.545	0.034	0.98481
TS16_13_15	21.3	1.9	0.205	0.016	0.9888
TS16_13_16	37.81	0.84	0.3424	0.0075	0.82949
TS16_13_17	39.6	1.3	0.358	0.013	0.97189
TS16_13_18	42.68	0.85	0.3842	0.0086	0.86995
TS16_13_19	21.86	0.9	0.2084	0.0083	0.93136
TS16_13_20	29.48	0.9	0.2738	0.0082	0.93663
TS16_13_21	10.83	0.35	0.1175	0.0032	0.83038
TS16_13_22	46.9	2.4	0.415	0.021	0.97766
TS16_13_23	31.4	1.8	0.279	0.015	0.96362
TS16_13_24	53.3	3.7	0.483	0.033	0.98149
TS16_13_25	43.2	1.9	0.393	0.017	0.98736
TS16_13_26	21.61	0.33	0.2067	0.0033	0.74418
TS16_13_27	14.4	0.23	0.1495	0.0023	0.67821

TS16_13_28	37.2	2.6	0.346	0.023	0.97368
TS16_13_29	47.3	2.3	0.421	0.02	0.96132
TS16_13_31	26.97	0.46	0.2581	0.0048	0.88399
TS16_13_32	21.6	1.3	0.209	0.011	0.98778
TS16_13_33	45.6	1.2	0.412	0.01	0.90333
TS16_13_34	36.4	3.5	0.345	0.032	0.99204
TS16_13_35	403	53	3.59	0.49	0.99891
TS16_13_36	26	1.4	0.23	0.0084	0.65205
TS16_13_38	34.7	1.7	0.323	0.013	0.98234
TS16_13_39	53.1	4.4	0.473	0.038	0.99067
TS16_13_40	61	3.6	0.515	0.028	0.9348
TS16_13_41	32.9	1.6	0.319	0.015	0.95819
TS16_13_42	63.3	3.6	0.559	0.028	0.98829
TS16_13_43	43.7	4.3	0.403	0.038	0.98931
TS16_13_44	132	10	1.175	0.093	0.99229
TS16_13_45	28.56	0.41	0.2741	0.0038	0.73392
TS16_13_46	18.24	0.22	0.1834	0.0024	0.44335
TS16_13_47	21.9	1.1	0.2187	0.0098	0.97072
TS16_13_48	40.2	1.4	0.373	0.013	0.92012
TS16_13_49	55.1	3	0.494	0.025	0.99344
TS16_13_51	34.9	1.6	0.332	0.015	0.9454
TS16_13_52	12.33	0.29	0.1336	0.0027	0.89913
TS16_13_53	31.03	0.7	0.2883	0.0059	0.8784
TS16_13_54	25.5	2.2	0.243	0.019	0.95896
TS16_14_1	8.8	1.1	0.0965	0.009	0.99567
TS16_14_2	13.38	0.64	0.1368	0.0056	0.88934
TS16_14_3	15.88	0.52	0.1596	0.0045	0.89075
TS16_14_4	27.9	1.5	0.264	0.013	0.98638
TS16_14_5	36.8	1.9	0.343	0.017	0.97305
TS16_14_6	20	1.3	0.201	0.012	0.97408
TS16_14_7	21.5	1.8	0.215	0.015	0.97436
TS16_14_8	13.5	3.2	0.139	0.027	0.99706
TS16_14_9	143.8	5.5	1.225	0.042	0.96181
TS16_14_10	26.2	3.3	0.242	0.027	0.99086
TS16_14_11	26.29	0.44	0.2529	0.0045	0.74565
TS16_14_12	22.19	0.9	0.2153	0.0081	0.90943
TS16_14_13	8.25	0.17	0.0984	0.0015	0.75344
TS16_14_14	6.25	0.17	0.0813	0.0014	0.84274

TS16_14_15	16.03	0.55	0.1605	0.0044	0.89737
TS16_14_16	16.04	0.82	0.1645	0.0066	0.93415
TS16_14_17	26	10	0.249	0.086	0.99879
TS16_14_18	18.44	0.85	0.189	0.0074	0.91625
TS16_14_19	30.4	1	0.2894	0.0086	0.91369
TS16_14_20	15.47	0.31	0.1555	0.003	0.94077
TS16_14_21	26.2	0.64	0.2416	0.0055	0.96394
TS16_14_22	17.8	2.7	0.172	0.022	0.99176
TS16_14_23	12.2	0.94	0.1249	0.0053	0.99224
TS16_14_24	5.56	0.18	0.0714	0.0019	0.93731
TS16_14_25	5.05	0.3	0.0709	0.0029	0.92708
TS16_14_26	6.49	0.84	0.0776	0.0066	0.99341
TS16_14_27	2.392	0.037	0.04849	0.00046	0.70183
TS16_14_28	12.71	0.46	0.1298	0.004	0.94149
TS16_14_29	21.4	1.5	0.199	0.012	0.9787
TS16_14_30	16.51	0.56	0.1659	0.0051	0.8899
TS16_14_31	47.5	1.7	0.432	0.016	0.95675
TS16_14_32	10.78	0.66	0.1177	0.0055	0.97383
TS16_14_33	62.5	2.9	0.543	0.024	0.97089
TS16_14_34	8.98	0.24	0.1029	0.0021	0.8486
TS16_14_35	16.9	2.4	0.169	0.021	0.99816
TS16_14_36	3.87	0.41	0.0569	0.0033	0.98687
TS16_14_37	34.24	0.53	0.318	0.005	0.71425
TS16_14_38	33.57	0.52	0.3153	0.0048	0.67178
TS16_14_39	13.95	0.7	0.142	0.0056	0.94252
TS16_14_40	23.96	0.45	0.2305	0.0044	0.8485
TS16_14_41	19	1.8	0.188	0.016	0.99572
TS16_14_42	15.22	0.96	0.1589	0.0077	0.97142
TS16_14_43	9.66	0.39	0.1095	0.0032	0.93862
TS16_14_44	43.8	2.9	0.39	0.025	0.9788
TS16_14_45	33.7	1	0.3084	0.0097	0.93592
TS16_14_46	33	4.1	0.295	0.033	0.99631
TS16_14_47	44.8	2.5	0.405	0.023	0.9674
TS16_14_49	16.44	0.47	0.1615	0.0038	0.84671
TS16_14_50	17.43	0.5	0.1726	0.004	0.76563
TS16_15_1	2.83	0.11	0.0564	0.0012	0.96532
TS16_15_2	12.21	0.32	0.1364	0.0029	0.85137
TS16_15_3	5.22	0.89	0.078	0.0079	0.98455

TS16_15_4	47.7	7.3	0.443	0.061	0.98575
TS16_15_5	1.385	0.014	0.04242	0.00035	0.36816
TS16_15_6	20.3	1.6	0.211	0.014	0.97529
TS16_15_7	1.598	0.092	0.0432	0.00077	0.98222
TS16_15_8	14.53	0.52	0.1578	0.0048	0.93318
TS16_15_9	11	1.1	0.121	0.0084	0.9884
TS16_15_10	7.4	0.2	0.0907	0.0018	0.92632
TS16_15_11	27.7	4	0.268	0.034	0.9951
TS16_15_12	5.41	0.25	0.079	0.002	0.9648
TS16_15_13	3.14	0.13	0.055	0.0012	0.87396
TS16_15_14	21.1	1.1	0.206	0.009	0.94927
TS16_15_15	14.4	1	0.1498	0.0087	0.98744
TS16_15_16	4.24	0.25	0.0671	0.0022	0.94194
TS16_15_17	33.5	2.2	0.31	0.017	0.80969
TS16_15_18	2.83	0.12	0.0582	0.001	0.92554
TS16_15_19	14.7	1.1	0.1555	0.0088	0.96584
TS16_15_20	29.1	2.5	0.278	0.022	0.9667
TS16_15_21	5.984	0.09	0.0858	0.0011	0.73044
TS16_15_22	42	1.4	0.395	0.014	0.95019
TS16_15_23	0.77	0.016	0.04013	0.00026	0.60015
TS16_15_24	1.68	0.1	0.0486	0.0011	0.94796
TS16_15_25	8.95	0.28	0.111	0.0027	0.93859
TS16_15_26	10.37	0.63	0.1152	0.0054	0.99068
TS16_15_27	1.752	0.034	0.04613	0.00051	0.77483
TS16_15_28	8.77	0.46	0.1065	0.0043	0.99557
TS16_15_29	11.03	0.95	0.1242	0.0079	0.98576
TS16_15_30	0.864	0.026	0.03912	0.00044	0.47128
TS16_15_31	7.77	0.27	0.0942	0.0028	0.94132
TS16_15_32	5.37	0.14	0.0795	0.0013	0.72336
TS16_15_33	11	1.9	0.12	0.016	0.98718
TS16_15_34	6.13	0.71	0.086	0.0062	0.99229
TS16_15_35	5.98	0.52	0.0806	0.0044	0.98953
TS16_15_36	17.44	0.6	0.1751	0.0047	0.5484
TS16_15_37	2.492	0.055	0.05264	0.00062	0.81328
TS16_15_38	16.4	2.2	0.174	0.02	0.99554
TS16_15_39	4.71	0.17	0.0696	0.0014	0.90806
TS16_15_40	10.08	0.19	0.1183	0.0018	0.86161
TS16_15_41	11.87	0.51	0.1266	0.0047	0.92656
TS16_15_42	15.9	1.3	0.17	0.011	0.98068

TS16_15_43	6.33	0.28	0.0862	0.0022	0.89765
TS16_15_44	11.38	0.44	0.1278	0.0042	0.94892
TS16_15_45	25.5	3.4	0.251	0.029	0.98938
TS16_15_46	2.553	0.072	0.05396	0.00082	0.85116
TS16_15_47	9.32	0.18	0.1094	0.0014	0.71593
TS16_15_48	2.134	0.075	0.05157	0.00084	0.73453
TS16_15_49	8.12	0.28	0.103	0.0028	0.95553
TS16_15_50	23.7	3.6	0.242	0.032	0.97113
TS16_15_51	9.08	0.5	0.1051	0.0048	0.99291
TS16_15_52	10.91	0.54	0.1276	0.0053	0.98861
TS16_15_53	6.18	0.086	0.08503	0.00094	0.66511
TS16_15_54	4.16	0.46	0.0703	0.0044	0.98293
TS16_15_55	14	1.2	0.156	0.011	0.98149
TS16_15_56	2.74	0.4	0.0504	0.004	0.98609
TS16_15_57	6.305	0.079	0.08842	0.00096	0.4754
TS16_15_58	2.908	0.047	0.0594	0.00064	0.5543
TS16_15_59	13.63	0.31	0.1452	0.003	0.8124
TS16_15_60	5.087	0.094	0.07707	0.00095	0.71702
TS16_15_61	4.94	0.1	0.07424	0.00085	0.5612
TS16_15_62	3.94	0.19	0.0667	0.0019	0.94213
TS16_15_63	1.56	0.026	0.04699	0.00034	0.56698
TS16_15_64	0.903	0.026	0.03852	0.00045	0.82162
TS16_15_65	18.64	0.54	0.1991	0.0047	0.87481
TS16_15_66	11.15	0.75	0.124	0.0061	0.96148
TS16_15_67	8.13	0.67	0.1036	0.006	0.96868
TS16_15_68	6.24	0.4	0.0872	0.0037	0.91731
TS16_15_69	3.56	0.21	0.0645	0.002	0.9777
TS16_15_70	8.38	0.2	0.1026	0.0019	0.79807
TS16_15_71	2.8	0.26	0.0509	0.0025	0.96758
TS16_15_72	6.96	0.84	0.086	0.007	0.99034

Appendix C

Zircon U-Pb data

Sample Name Grain #	[U] ppm	U/Th	207/235	2σ error	206/238	2σ error	RHO	207/235 Age Ma	2σ error	206/238 Age Ma	2σ error	207/206 Age Ma	2σ error	Best age (Ma)	2σ error
TS16_7__1	182.1	0.375	0.3443	0.0072	0.04758	0.00041	0.068371	301	5.4	299.6	2.5	317	42	299.6	2.5
TS16_7__2	279	0.49	0.3591	0.0077	0.04936	0.00049	0.070743	311	5.7	310.6	3	306	45	310.6	3
TS16_7__3	275.8	0.351	0.341	0.0086	0.04666	0.0006	0.53366	297.2	6.5	294	3.7	351	39	294	3.7
TS16_7__4	169.5	1.065	0.3508	0.0074	0.04828	0.00039	0.11034	304.8	5.6	303.9	2.4	326	47	303.9	2.4
TS16_7__5	644	0.729	0.3473	0.0046	0.04863	0.00041	0.43095	302.9	3.5	306.1	2.5	328	26	306.1	2.5
TS16_7__6	175	0.3457	0.3518	0.009	0.04915	0.00054	0.40615	306	6.6	309.6	3.3	328	41	309.6	3.3
TS16_7__7	136.2	0.782	0.3468	0.0076	0.04851	0.00037	0.047585	302.3	5.7	305.4	2.2	272	44	305.4	2.2
TS16_7__8	260	0.852	0.343	0.0072	0.04799	0.00054	0.26532	299	5.4	302.2	3.3	282	39	302.2	3.3
TS16_7__9	328	0.647	0.3529	0.0064	0.04971	0.00052	0.2183	306.5	4.8	312.7	3.2	315	38	312.7	3.2
TS16_7__10	309	0.5717	0.3619	0.0054	0.04986	0.00046	0.02752	313.3	4.1	313.7	2.8	315	34	313.7	2.8
TS16_7__11	316	0.504	0.3557	0.0064	0.0501	0.00052	0.094903	308.6	4.8	315.1	3.2	299	37	315.1	3.2
TS16_7__12	156.4	0.678	0.3507	0.0082	0.04817	0.00061	0.21547	305.2	6.3	303.2	3.7	396	47	303.2	3.7
TS16_7__13	348	0.898	0.3425	0.0092	0.04665	0.0097	0.63092	298.3	7	293.8	6	392	35	293.8	6

TS16_7_14	213.4	0.382	0.3574	0.007	0.04852	0.00046	0.13931	309.8	5.2	305.4	2.8	321	41	305.4	2.8
TS16_7_15	160	0.573	0.3433	0.008	0.04897	0.00044	0.09692	299.1	6.1	308.2	2.7	271	46	308.2	2.7
TS16_7_16	243	0.4139	0.3506	0.0071	0.04815	0.00045	0.26697	305.7	5.4	303.2	2.8	292	38	303.2	2.8
TS16_7_17	178	0.813	0.3486	0.0075	0.04873	0.00052	0.36141	303.1	5.7	306.7	3.2	307	44	306.7	3.2
TS16_7_18	157	0.529	0.363	0.0073	0.04925	0.00051	0.09231	314	5.4	309.9	3.1	345	42	309.9	3.1
TS16_7_19	138.4	0.531	0.3402	0.0078	0.04846	0.00055	0.19077	297.4	5.8	305.4	3.3	267	49	305.4	3.3
TS16_7_20	200	1.58	0.3315	0.0068	0.04658	0.00057	0.28137	290.8	5.2	293.5	3.5	285	36	293.5	3.5
TS16_7_21	284	1.56	0.3361	0.0059	0.04687	0.00038	0.18856	293.9	4.5	295.3	2.4	327	35	295.3	2.4
TS16_7_22	140.6	0.944	0.382	0.01	0.0511	0.00065	0.41298	329	7.7	321.2	4	353	43	321.2	4
TS16_7_23	252.6	0.359	0.3407	0.006	0.04628	0.00059	0.13418	297.4	4.5	291.6	3.6	338	40	291.6	3.6
TS16_7_24	248	0.652	0.3528	0.0067	0.04801	0.00049	0.00247	306.4	5	302.2	3	311	39	302.2	3
TS16_7_25	367	0.652	0.3421	0.0054	0.04772	0.00032	0.24578	299.3	4	300.5	1.9	277	31	300.5	1.9
TS16_7_26	199	0.598	0.363	0.01	0.04918	0.00065	0.11281	314.5	7.7	310.3	4	335	52	310.3	4
TS16_7_27	210.1	1.016	0.3515	0.0074	0.04847	0.00057	0.40816	305.3	5.6	305.1	3.5	277	38	305.1	3.5
TS16_7_28	261	0.46	0.3624	0.0087	0.05043	0.00066	0.34516	313.4	6.5	317.1	4.1	337	44	317.1	4.1
TS16_7_29	469	0.502	0.3435	0.0059	0.04938	0.00068	0.30476	299.5	4.4	310.7	4.2	270	32	310.7	4.2
TS16_7_30	527	0.571	0.3557	0.0055	0.0494	0.00051	0.24864	309.1	4.1	310.8	3.1	339	28	310.8	3.1
TS16_7_31	421	0.54	0.3499	0.0065	0.04867	0.00052	0.4782	304.2	4.8	306.3	3.2	285	32	306.3	3.2
TS16_7_32	279	1.139	0.337	0.011	0.0472	0.001	0.23064	294.5	8.4	297	6.2	258	63	297	6.2
TS16_7_33	172.4	0.98	0.3456	0.0075	0.04869	0.00052	0.18991	302	5.7	306.4	3.2	271	42	306.4	3.2
TS16_7_34	164.3	0.736	0.3628	0.0085	0.05099	0.00051	0.18936	313.6	6.4	320.6	3.1	319	42	320.6	3.1
TS16_7_35	169.1	0.888	0.3418	0.008	0.04793	0.00043	0.17951	297.9	6	301.8	2.7	300	45	301.8	2.7
TS16_7_36	169	0.473	0.337	0.007	0.04797	0.00053	0.22675	294.4	5.3	302	3.3	298	43	302	3.3
TS16_7_37	213.1	0.929	0.354	0.0073	0.04923	0.00045	0.2288	308.3	5.4	309.8	2.8	286	40	309.8	2.8
TS16_7_38	581	0.896	0.3463	0.005	0.04752	0.00037	0.36299	302.4	3.8	299.3	2.3	321	26	299.3	2.3
TS16_7_39	397	0.527	0.349	0.0048	0.04891	0.00037	0.1168	304.1	3.6	307.8	2.3	301	29	307.8	2.3
TS16_7_40	190.7	0.679	0.3514	0.0083	0.04847	0.00046	0.18868	306.4	6.1	305.1	2.9	319	46	305.1	2.9
TS16_7_41	82	0.749	0.363	0.013	0.05008	0.0008	0.09639	317	10	315	4.9	365	74	315	4.9
TS16_7_42	158.7	1.135	0.3616	0.0092	0.04903	0.00068	0.01405	312.6	6.5	308.5	4.2	350	54	308.5	4.2
TS16_7_43	252.5	0.405	0.3419	0.0065	0.04839	0.00046	0.13536	298.2	4.9	304.6	2.8	283	38	304.6	2.8
TS16_14__1	336.8	7.33	0.3599	0.0086	0.04803	0.0007	0.75415	312	6.3	302.4	4.3	374	30	302.4	4.3

TS16_142	214	2.14	0.71	0.046	0.0862	0.0049	0.95218	532	27	531	29	549	33	531	29
TS16_143	245	3.24	0.629	0.024	0.0785	0.0025	0.83953	496	15	487	15	539	33	487	15
TS16_14_4	247	2.7	0.996	0.07	0.112	0.0066	0.95046	677	39	680	39	664	40	680	39
TS16_145	524	5.38	0.637	0.021	0.0947	0.003	0.86697	501	13	586	18	623	21	586	18
TS16_146	153	4.7	0.863	0.044	0.1022	0.0045	0.9142	637	23	625	27	662	31	625	27
TS16_147	271	1.2	0.872	0.048	0.0983	0.0048	0.94279	625	26	603	28	722	23	603	28
TS16_148	274	1.79	1.05	0.11	0.1112	0.0092	0.96913	679	53	672	53	697	57	672	53
TS16_149	256.1	3.96	0.4088	0.0098	0.05444	0.00097	0.68801	347.9	7.1	342.8	5.8	392	31	342.8	5.8
TS16_1410	39.89	0.3215	1.164	0.033	0.1339	0.0019	0.15686	781	16	810	11	721	46	810	11
TS16_1411	414	22	0.3385	0.0049	0.04775	0.00033	0.14752	295.8	3.7	300.7	2	270	30	300.7	2
TS16_1412	363	4.13	0.3903	0.0085	0.05326	0.00068	0.60665	333.9	6.2	334.4	4.2	303	29	334.4	4.2
TS16_1413	253	0.87	0.563	0.025	0.0727	0.0026	0.88391	449	16	452	16	453	32	452	16
TS16_1414	213	14.2	0.469	0.032	0.0545	0.0016	0.93024	383	20	341.8	9.5	597	60	341.8	9.5
TS16_1415	270.1	0.676	0.683	0.021	0.0859	0.002	0.88008	527	13	531	12	516	29	531	12
TS16_1416	412	10.8	0.367	0.011	0.0514	0.0012	0.82272	316.6	7.7	322.8	7.2	304	31	322.8	7.2
TS16_1417	251	9.48	0.3834	0.0071	0.05195	0.00048	0.40273	330.1	5.3	326.4	3	341	32	326.4	3
TS16_1418	147	1.99	0.568	0.035	0.0721	0.0034	0.9268	450	22	450	20	506	43	450	20
TS16_1419	542	25.2	0.3465	0.0047	0.04864	0.00045	0.17212	301.9	3.5	306.2	2.8	269	33	306.2	2.8
TS16_1420	200	2.01	0.964	0.078	0.0788	0.0046	0.97533	663	40	487	27	1340	55	487	27
TS16_1421	191	11.3	0.556	0.039	0.0695	0.004	0.87015	438	25	431	24	524	51	431	24
TS16_1422	681	9.4	0.3439	0.0044	0.04831	0.00037	0.38581	300	3.4	304.1	2.3	290	26	304.1	2.3
TS16_1423	178	2.91	1.116	0.077	0.1218	0.0071	0.95932	738	40	736	41	789	36	736	41
TS16_1424	315	1.74	0.458	0.016	0.0617	0.0018	0.86028	382	11	385	11	383	29	385	11
TS16_1425	289	15.9	0.371	0.013	0.0508	0.0014	0.89128	319.2	9.5	319	8.6	340	35	319	8.6
TS16_1426	148	2.71	0.618	0.044	0.0798	0.0044	0.83709	478	27	493	26	466	55	493	26
TS16_1427	387	20.4	0.3467	0.0059	0.04836	0.0005	0.39182	302	4.4	304.4	3.1	269	28	304.4	3.1
TS16_1428	463	1.13	0.696	0.06	0.0853	0.006	0.96746	525	35	527	35	541	38	527	35
TS16_1429	311	3.36	0.817	0.049	0.0966	0.0051	0.96247	592	29	592	30	586	33	592	30
TS16_1430	202.9	0.328	0.837	0.025	0.1011	0.0025	0.89563	616	14	620	15	584	29	620	15
TS16_1431	159	0.99	0.996	0.059	0.1084	0.0055	0.93919	693	31	661	32	780	34	661	32
TS16_1432	216	2.99	0.689	0.045	0.0818	0.0043	0.92166	520	27	508	26	558	39	508	26

TS16_1433	189	0.57	1.404	0.09	0.1424	0.0069	0.93363	898	38	858	39	961	37	858	39
TS16_1434	868	4.226	0.3461	0.0039	0.04846	0.0004	0.17875	302	3	305.1	2.5	275	21	305.1	2.5
TS16_1435	288.5	1.34	0.693	0.029	0.0819	0.0028	0.92587	531	17	506	17	615	26	506	17
TS16_1436	286	1.13	0.547	0.023	0.0712	0.0025	0.91187	440	15	444	15	434	30	444	15
TS16_1437	346.8	4.6	0.499	0.023	0.0642	0.0023	0.88985	409	16	400	14	490	36	400	14
TS16_1438	484	4.8	0.413	0.021	0.0505	0.0011	0.87297	348	14	317.4	6.8	541	66	317.4	6.8
TS16_1439	272.9	2.17	3.51	0.33	0.224	0.018	0.98867	1390	98	1279	97	1706	69	1279	97
TS16_1440	481	1.87	0.48	0.024	0.0607	0.0029	0.94538	396	17	379	17	501	27	379	17
TS16_1441	380.2	4.38	0.424	0.013	0.0545	0.0014	0.84914	357.1	9.3	341.9	8.4	440	31	341.9	8.4
TS16_1442	217	2.04	0.726	0.081	0.0749	0.0057	0.96438	539	45	463	34	771	77	463	34
TS16_1443	342	5.13	0.487	0.029	0.0621	0.0025	0.92113	400	19	388	15	423	45	388	15
TS16_1444	461	29.2	0.3406	0.0045	0.04779	0.0037	0.1003	297.4	3.4	300.9	2.3	288	30	300.9	2.3
TS16_1445	343	7.1	0.44	0.025	0.057	0.0026	0.97889	365	16	357	16	421	36	357	16
TS16_1446	234.5	0.1861	0.866	0.015	0.10381	0.0095	0.60267	633	8.2	636.6	5.5	616	25	636.6	5.5
TS16_1447	305.2	5.94	0.42	0.017	0.0563	0.0017	0.86721	354	13	353	10	393	37	353	10
TS16_1448	193.8	0.336	1.476	0.052	0.1525	0.0044	0.94212	912	23	914	25	925	28	914	25
TS16_1449	92.2	0.1962	0.83	0.023	0.102	0.0014	0.41173	613	12	625.8	8.2	587	35	625.8	8.2
TS16_1450	180	5.12	0.519	0.026	0.0656	0.0025	0.85928	420	17	409	15	460	44	409	15
TS16_1451	396	1.17	0.65	0.032	0.0796	0.0033	0.94851	503	20	493	20	568	28	493	20
TS16_1452	215	5.8	0.595	0.05	0.0706	0.0046	0.90338	460	31	438	28	548	49	438	28
TS16_1453	291	6.1	0.514	0.036	0.0646	0.0039	0.95564	412	23	402	24	476	36	402	24
TS16_1454	268	1.36	0.658	0.038	0.0816	0.0039	0.9166	506	23	504	23	520	36	504	23
TS16_1455	127	1.73	0.71	0.03	0.085	0.0028	0.75706	539	18	525	17	661	44	525	17
TS16_1456	195	3.86	5.35	0.23	0.3113	0.0098	0.94733	1851	43	1741	49	1989	32	1741	49
TS16_1457	309	6.36	0.3455	0.0068	0.04861	0.0054	0.32695	301.3	5.2	305.9	3.3	300	37	305.9	3.3
TS16_1458	187	4.2	1.068	0.091	0.1168	0.0085	0.9615	700	48	706	49	744	49	706	49
TS16_1459	60	1.64	1.17	0.063	0.1371	0.0046	0.78771	793	29	827	27	744	50	827	27
TS16_1460	115	1.35	0.86	0.068	0.098	0.0064	0.9022	609	39	599	38	626	50	599	38
TS16_1461	153	1.58	0.783	0.067	0.0951	0.0062	0.87268	572	37	582	36	595	46	582	36
TS16_1462	230	2.57	0.653	0.035	0.0812	0.0036	0.94489	502	22	502	22	506	35	502	22
TS16_1463	234	0.82	0.611	0.024	0.0786	0.0025	0.86673	482	15	487	15	498	28	487	15

TS16_1464	420	4.44	0.313	0.0067	0.04197	0.00062	0.73262	276.1	5.2	265	3.8	383	34	265	3.8
TS16_1465	344	3.07	0.686	0.047	0.0818	0.0047	0.97606	517	29	505	28	578	34	505	28
TS16_14__66	468	0.74	0.737	0.028	0.0895	0.0033	0.91408	561	16	555	19	567	22	555	19
TS16_1467	228	5.2	0.689	0.055	0.0833	0.0054	0.94428	517	33	513	32	563	46	513	32
PJ15_05_1	604	3.45	0.3904	0.0094	0.04914	0.0005	0.33291	334.7	6.8	309.2	3.1	522	52	309.2	3.1
PJ15_05_2	1603	1.075	0.3679	0.005	0.04817	0.00045	0.34063	317.9	3.7	303.2	2.8	433	31	303.2	2.8
PJ15_05_3	717	1.457	0.3562	0.0069	0.04849	0.00054	0.3724	309	5.2	305.2	3.3	344	40	305.2	3.3
PJ15_05_4	648	1.577	0.3582	0.0083	0.04849	0.00049	0.16114	310.5	6.2	305.2	3	391	50	305.2	3
PJ15_05_5	344	2.128	0.3561	0.0098	0.04884	0.00063	0.025299	310.1	7.4	307.3	3.8	316	63	307.3	3.8
PJ15_05_6	501	2.143	0.3464	0.0079	0.04762	0.00056	0.2123	301.5	5.9	299.9	3.5	296	52	299.9	3.5
PJ15_05_7	1019	2.353	0.3523	0.0058	0.0497	0.0005	0.2663	306.6	4.4	312.6	3.1	278	39	312.6	3.1
PJ15_05_8	983	2.457	0.3421	0.0071	0.04808	0.00063	0.22969	298.9	5.4	302.7	3.9	282	47	302.7	3.9
PJ15_05_9	760	1.97	0.3624	0.0077	0.04957	0.00056	0.46469	313.5	5.7	311.9	3.4	350	43	311.9	3.4
PJ15_05_10	386	2.002	0.344	0.011	0.04932	0.0006	0.11769	302	8.5	310.3	3.7	252	70	310.3	3.7
PJ15_05_11	516	2.599	0.3315	0.0094	0.04756	0.00076	0.22077	290.2	7.2	299.5	4.7	273	65	299.5	4.7
PJ15_05_12	781	1.877	0.3676	0.0063	0.04893	0.00048	0.028613	318	4.6	307.9	2.9	406	42	307.9	2.9
PJ15_05_13	117.2	2.148	0.354	0.015	0.05051	0.00089	0.005042	306	12	317.6	5.5	253	94	317.6	5.5
PJ15_05_14	833	3.24	0.3648	0.0071	0.05115	0.00058	0.34053	315.4	5.3	321.6	3.6	319	39	321.6	3.6
PJ15_05_15	802	1.787	0.3629	0.0073	0.04984	0.00053	0.22102	313.9	5.5	313.5	3.2	344	46	313.5	3.2
PJ15_05_16	496	1.448	0.358	0.01	0.04982	0.00069	0.1777	310	7.5	313.4	4.2	305	66	313.4	4.2
PJ15_05_17	870	3.2	0.3539	0.0099	0.04943	0.00077	0.28173	307.4	7.4	311	4.7	273	68	311	4.7
PJ15_05_18	1056	1.682	0.359	0.007	0.04862	0.00076	0.14643	311.2	5.2	306	4.7	377	58	306	4.7
PJ15_05_19	859	3.112	0.355	0.011	0.04847	0.00062	0.24622	309	8.4	305.1	3.8	332	67	305.1	3.8
PJ15_05_20	1260	1.882	0.3539	0.0072	0.04815	0.00058	0.087122	307.5	5.4	303.1	3.5	379	52	303.1	3.5
PJ15_05_21	733	2.457	0.3477	0.0077	0.04851	0.00055	0.22906	302.7	5.8	305.3	3.4	301	57	305.3	3.4
PJ15_05_22	556	2.244	0.3597	0.0075	0.04965	0.00046	0.2412	311.5	5.6	312.3	2.9	309	48	312.3	2.9
PJ15_05_23	1150	1.95	0.347	0.0076	0.04765	0.00054	0.32321	303.1	5.5	300.1	3.3	337	48	300.1	3.3
PJ15_05_24	647	2.278	0.3495	0.0086	0.049	0.00069	0.21978	304.8	6.3	308.4	4.2	261	58	308.4	4.2
TS15_02_1	516	2.25	0.711	0.014	0.08728	0.00078	0.39154	546	8.1	539.4	4.6	549	41	539.4	4.6
TS15_02_2	915	41.6	0.372	0.015	0.0513	0.0011	0.69034	323.8	9.5	322.3	6.8	328	72	322.3	6.8
TS15_02_3	474	17.1	0.701	0.015	0.0876	0.0012	0.19406	539.9	8.4	541.1	6.9	543	42	541.1	6.9

TS15_02_4	715	2.276	0.738	0.017	0.0899	0.0012	0.32798	561.5	9.7	554.9	7.4	582	45	554.9	7.4
TS15_02_5	969	7.18	0.72	0.017	0.0905	0.0013	0.21916	549.9	9.8	558.7	7.6	505	51	558.7	7.6
TS15_02_6	876	1.408	0.713	0.012	0.08967	0.00092	0.40157	546.1	7	553.6	5.4	510	35	553.6	5.4
TS15_02_7	514	3.14	0.703	0.015	0.08924	0.00085	0.09140	541.2	8.5	551	5	506	50	551	5
TS15_02_8	3498	25.26	0.3554	0.0084	0.04729	0.00095	0.6951	308.7	6.3	297.8	5.9	391	36	297.8	5.9
TS15_02_9	334	3.86	0.691	0.018	0.087	0.0013	0.14776	534	11	537.6	7.5	477	52	537.6	7.5
TS15_02_10	404	3.285	0.733	0.015	0.09181	0.00082	0.14794	559.2	8.8	566.2	4.8	528	48	566.2	4.8
TS15_02_11	1880	20.16	0.351	0.014	0.048	0.0014	0.02445	305	11	302.2	8.8	320	110	302.2	8.8
TS15_02_12	669	2.167	0.717	0.012	0.08777	0.00093	0.04725	549.3	6.7	542.3	5.5	573	38	542.3	5.5
TS15_02_13	537	2.57	0.692	0.01	0.08615	0.00082	0.24346	534.4	6.2	532.7	4.8	524	37	532.7	4.8
TS15_02_14	380	1.857	0.719	0.015	0.08773	0.00094	0.53957	550.3	9.1	542	5.6	564	47	542	5.6
TS15_02_15	342.7	2.162	0.7	0.02	0.0856	0.0011	0.44044	537	12	529.4	6.7	571	58	529.4	6.7
TS15_02_16	338	2.15	0.726	0.013	0.09022	0.00079	0.17053	554.8	7.4	556.8	4.7	525	41	556.8	4.7
TS15_02_17	544	2.258	0.748	0.016	0.0899	0.0011	0.40546	567.8	9	554.8	6.2	594	40	554.8	6.2
TS15_02_18	1780	23.9	0.368	0.013	0.0494	0.0018	0.54191	318	9.9	311	11	381	70	311	11
TS15_02_19	3310	25.6	0.358	0.015	0.0479	0.0016	0.84759	310	11	301.6	9.9	347	52	301.6	9.9
TS15_02_20	661	2.45	0.704	0.014	0.08536	0.00092	0.23437	540.6	8.3	528	5.4	584	47	528	5.4
TS15_02_21	2240	25.2	0.3399	0.0093	0.0457	0.0012	0.80024	296.8	7	288.1	7.3	366	42	288.1	7.3
TS15_02_22	515	2.213	0.72	0.015	0.0883	0.0012	0.44297	554	10	545.3	7.1	587	45	545.3	7.1
TS15_02_23	730	3.18	0.733	0.013	0.08758	0.0007	0.32232	557.5	7.7	541.2	4.2	608	35	541.2	4.2
TS15_02_24	2480	21.2	0.37	0.012	0.0489	0.0011	0.23433	319.7	9.1	307.5	6.9	391	72	307.5	6.9
TS15_02_25	480	2.208	0.722	0.015	0.08751	0.0009	0.39925	552.2	8.4	540.7	5.3	581	41	540.7	5.3
TS15_02_26	714	3.15	0.701	0.01	0.08669	0.00068	0.28044	538.7	6	535.9	4	567	30	535.9	4
TS15_02_27	610.4	1.946	0.731	0.016	0.0888	0.0013	0.042542	556.5	9.2	548.7	7.6	597	61	548.7	7.6
TS15_02_28	687	1.902	0.697	0.01	0.08568	0.00066	0.25684	536.6	6	529.9	3.9	567	31	529.9	3.9
TS15_02_29	975	2.46	0.712	0.016	0.0875	0.0014	0.55163	545.3	9.5	540.8	8.1	580	37	540.8	8.1
TS15_02_30	496	2.643	0.75	0.016	0.0916	0.0014	0.33456	567.5	9.3	564.9	8.3	593	47	564.9	8.3
X08FA06_1	820	3.81	0.3589	0.006	0.04939	0.00056	0.2726	311.1	4.4	310.8	3.4	308	38	310.8	3.4
X08FA06_2	755	6.38	0.3618	0.0063	0.04985	0.0043	0.31122	313.3	4.7	313.6	2.6	313	38	313.6	2.6
X08FA06_3	1619	4.55	0.349	0.0042	0.04806	0.0035	0.19907	303.8	3.2	302.6	2.2	295	29	302.6	2.2
X08FA06_4	1101	6.85	0.3675	0.0055	0.04958	0.0042	0.18844	317.6	4.1	311.9	2.6	340	35	311.9	2.6

X08FA06_5	1471	5.45	0.3377	0.005	0.04653	0.00036	0.27912	295.2	3.8	293.2	2.2	302	30	293.2	2.2
X08FA06_6	664	15.55	0.3653	0.0068	0.04958	0.00046	0.15763	315.8	5.1	311.9	2.8	314	44	311.9	2.8
X08FA06_7	651	6.3	0.3576	0.0073	0.04842	0.00067	0.37808	310.7	5.4	304.8	4.1	364	41	304.8	4.1
X08FA06_8	547	5.01	0.3613	0.0076	0.04923	0.00049	0.18329	312.7	5.7	309.8	3	323	47	309.8	3
X08FA06_9	281	2.161	0.358	0.011	0.04826	0.00062	0.17919	311.7	8.3	303.8	3.8	381	69	303.8	3.8
X08FA06_10	316	5.13	0.3523	0.0079	0.04982	0.00062	0.12451	305.9	5.9	313.4	3.8	248	52	313.4	3.8
X08FA06_11	898	11.5	0.3438	0.0066	0.04764	0.00047	0.45548	300.2	5	300	2.9	276	43	300	2.9
X08FA06_12	1150	9.85	0.3345	0.0053	0.04661	0.00041	0.16241	293.2	3.9	293.7	2.5	305	39	293.7	2.5
X08FA06_13	868	7.79	0.348	0.0071	0.04791	0.00045	0.41902	302.8	5.3	301.7	2.8	295	42	301.7	2.8
X08FA06_14	494	5.5	0.3568	0.0079	0.04981	0.00063	0.37609	310.5	5.9	313.3	3.9	271	46	313.3	3.9
X08FA06_15	584	5.87	0.3714	0.0072	0.0494	0.00047	0.20521	320.9	5.4	310.8	2.9	393	44	310.8	2.9
X08FA06_16	1391	5	0.3559	0.0051	0.04811	0.00042	0.3416	309	3.9	303.1	2.5	342	34	303.1	2.5
X08FA06_17	1133	4.087	0.3521	0.0051	0.04871	0.0004	0.17502	306.1	3.9	306.6	2.5	284	32	306.6	2.5
X08FA06_18	1309	6.63	0.3779	0.0074	0.05017	0.00059	0.41657	325.6	5.3	315.6	3.6	382	40	315.6	3.6
X08FA06_19	277	5.25	0.352	0.011	0.04956	0.00063	0.18681	305.7	8.3	312.2	3.9	262	67	312.2	3.9
X08FA06_20	1580	5.52	0.3576	0.006	0.049	0.00051	0.32442	310.1	4.5	308.4	3.2	314	36	308.4	3.2
X08FA06_21	1720	6.8	0.3538	0.0046	0.04789	0.00036	0.23207	307.4	3.5	301.5	2.2	321	31	301.5	2.2
X08FA06_22	706	10.2	0.3586	0.0073	0.04898	0.00053	0.34864	311.2	5.4	308.2	3.2	312	38	308.2	3.2
X08FA06_23	2290	9.6	0.3463	0.0066	0.04767	0.00065	0.70358	302.1	4.9	300.2	4	344	31	300.2	4
X08FA06_24	570	5.57	0.3712	0.0082	0.04885	0.00056	0.40467	320	6	307.8	3.5	362	43	307.8	3.5
X08FA06_25	928	5.19	0.3572	0.0055	0.04929	0.00043	0.27202	310.3	4.2	310.1	2.6	294	37	310.1	2.6
X08FA06_26	833	5.85	0.3525	0.0062	0.04851	0.00048	0.13384	306.8	4.6	305.4	3	313	43	305.4	3
X08TS08_1	248	2.73	0.34	0.008	0.04716	0.00076	0.32175	297.8	6.3	297.1	4.7	290	56	297.1	4.7
X08TS08_2	665	1.71	0.331	0.0066	0.04552	0.00064	0.28901	290.1	5.1	286.9	3.9	294	50	286.9	3.9
X08TS08_3	466	2.496	0.3383	0.007	0.047	0.00081	0.38604	295.6	5.3	296.1	5	278	48	296.1	5
X08TS08_4	408	3.04	0.3349	0.0073	0.04748	0.00076	0.20758	293.1	5.5	299	4.7	245	44	299	4.7
X08TS08_5	547	2.518	0.3244	0.0092	0.04493	0.00067	0.17446	285.1	7.1	283.3	4.2	309	70	283.3	4.2
X08TS08_6	356	3.388	0.3303	0.0073	0.04557	0.00072	0.07036	290.5	5.4	287.2	4.5	335	60	287.2	4.5
X08TS08_7	353	2.535	0.3525	0.0075	0.04772	0.00079	0.22491	306.4	5.6	300.5	4.9	320	53	300.5	4.9
X08TS08_8	393	3.22	0.345	0.011	0.0482	0.0014	0.49945	301.4	7.8	303.1	8.5	294	64	303.1	8.5
X08TS08_9	501	2.094	0.3336	0.0071	0.04614	0.00062	0.12848	292.1	5.4	290.8	3.8	293	50	290.8	3.8

X08TS08_10	223.9	1.847	0.33	0.011	0.0455	0.0014	0.09801	289.1	8	286.7	8.5	275	91	286.7	8.5
X08TS08_11	388	1.958	0.3249	0.0063	0.04553	0.00077	0.27268	285.4	4.8	287	4.7	292	51	287	4.7
X08TS08_12	635	0.763	0.3322	0.0066	0.046	0.00074	0.40043	292.3	5.1	289.9	4.6	300	42	289.9	4.6
X08TS08_13	286	2.334	0.3354	0.0085	0.04645	0.00079	0.35061	293.3	6.5	292.6	4.9	304	60	292.6	4.9
X08TS08_14	647	3.982	0.3388	0.0059	0.04708	0.0009	0.001965	296.1	4.5	296.5	5.5	293	53	296.5	5.5
X08TS08_15	387	1.661	0.321	0.011	0.0452	0.0013	0.72447	282.1	8.3	285.2	8.1	236	70	285.2	8.1
X08TS08_16	344	2.86	0.3487	0.0071	0.04683	0.00066	0.24689	303.5	5.3	295	4.1	356	51	295	4.1
X08TS08_17	298	3.46	0.3371	0.0079	0.0462	0.00074	0.026962	294.6	6.1	291.1	4.6	317	62	291.1	4.6
X08TS08_18	263.2	1.898	0.3264	0.0085	0.04497	0.00074	-0.07643	286.5	6.5	283.5	4.6	320	66	283.5	4.6
X08TS08_19	333	2.225	0.3426	0.0082	0.04739	0.00066	0.22504	299.5	6.3	298.4	4	313	55	298.4	4
X08TS08_20	241	2.59	0.3265	0.0084	0.04581	0.00075	0.090809	286.6	6.4	288.7	4.6	268	68	288.7	4.6
X08TS08_21	484	2.78	0.348	0.011	0.04823	0.00087	-0.03907	303.1	8.2	303.6	5.3	323	61	303.6	5.3
X08TS08_22	493	2.825	0.3361	0.0068	0.04656	0.00057	-0.0577	294	5.2	293.4	3.5	307	57	293.4	3.5
X08TS08_23	551.6	2.93	0.3291	0.0077	0.04638	0.00097	0.45468	288.7	5.9	292.3	6	262	58	292.3	6
X08TS08_24	554	2.511	0.3325	0.0057	0.04517	0.00049	0.19466	291.3	4.3	284.8	3	326	45	284.8	3
X10ED03_1	1420	9.19	0.3562	0.0083	0.0503	0.0013	0.72116	310.3	6.5	316.2	7.7	274	44	316.2	7.7
X10ED03_2	905	3.719	0.3446	0.0052	0.04764	0.00063	0.033266	301.2	4.1	300	3.9	300	40	300	3.9
X10ED03_3	1510	6.49	0.3444	0.0085	0.0482	0.0012	0.78708	300.2	6.4	303.4	7.5	253	35	303.4	7.5
X10ED03_4	900	15.06	0.351	0.011	0.0481	0.0014	0.63432	304.9	8.5	302.9	8.9	258	61	302.9	8.9
X10ED03_5	813	5.04	0.3405	0.0078	0.0476	0.0013	0.55998	297.3	5.9	299.6	8.1	248	52	299.6	8.1
X10ED03_6	750	4.58	0.3569	0.0081	0.049	0.0011	0.50989	309.5	6.1	308.2	6.7	306	47	308.2	6.7
X10ED03_7	1229	9.65	0.3478	0.0075	0.04805	0.00083	0.56821	302.8	5.6	302.5	5.1	274	42	302.5	5.1
X10ED03_8	1520	15	0.371	0.0069	0.0506	0.0011	0.5034	320.3	5.1	318.1	6.8	324	41	318.1	6.8
X10ED03_9	1030	12.52	0.3514	0.0065	0.04831	0.00088	0.45579	305.6	4.9	304.1	5.4	308	41	304.1	5.4
X10ED03_10	634	6.01	0.3462	0.007	0.0478	0.00086	0.055918	301.8	5.2	299	5.3	324	61	299	5.3
X10ED03_11	640	3.42	0.366	0.011	0.0494	0.0016	0.44376	316.4	8.5	311	10	292	70	311	10
X10ED03_12	529	2.362	0.3387	0.007	0.04716	0.00078	0.32805	296	5.3	297	4.8	295	48	297	4.8
X10ED03_13	814	8.7	0.339	0.01	0.0475	0.0014	0.75493	296.3	7.6	299.1	8.8	307	46	299.1	8.8
X10ED03_14	782	5.86	0.352	0.012	0.0483	0.0016	0.55153	306.3	9.1	303.8	9.8	353	63	303.8	9.8

X10ED03_15	1186	13.31	0.3499	0.0049	0.04834	0.00064	0.60296	304.5	3.7	304.3	3.9	295	27	304.3	3.9
X10ED03_16	1110	13	0.3512	0.0071	0.04789	0.00078	0.67503	305.3	5.3	301.5	4.8	345	35	301.5	4.8
X10ED03_17	872	7.84	0.3393	0.0087	0.04 74	0.001	0.42015	296.5	6.6	298.3	6.3	272	59	298.3	6.3
X10ED03_18	1330	9.23	0.3399	0.004	0.04796	0.00051	0.39616	297	3	302.4	3.2	273	29	302.4	3.2
X10ED03_19	1702	6.35	0.3511	0.0069	0.04 86	0.0011	0.69774	305.9	5.3	305.5	6.6	336	35	305.5	6.6
X10ED03_20	913	5.54	0.3459	0.0074	0.04 83	0.0012	0.65967	301.3	5.6	304.3	7.1	330	43	304.3	7.1
X10ED03_21	555	7.06	0.3446	0.0072	0.04 77	0.001	0.35665	300.4	5.4	300.6	6.3	324	53	300.6	6.3
X10ED03_22	665	5.29	0.3456	0.0097	0.04 81	0.0014	0.41959	301.1	7.3	303	8.6	326	69	303	8.6
X10ED03_23	980	10.07	0.3536	0.0095	0.04 87	0.0012	0.63635	307.1	7.1	306.7	7.2	324	50	306.7	7.2
X10ED03_24	1030	9.23	0.3514	0.0099	0.04 73	0.0017	0.41869	305.6	7.5	298	10	372	83	298	10
X10ED03_25	758	8.8	0.3498	0.0088	0.04 9	0.0012	0.66997	304.3	6.6	308.4	7.1	310	45	308.4	7.1
X10ED03_26	1151	4.51	0.3406	0.0051	0.04788	0.00077	0.66615	297.5	3.9	301.5	4.7	284	33	301.5	4.7
X10ED03_27	1241	4.29	0.3521	0.0066	0.05 04	0.00079	0.60628	306.7	4.8	316.9	4.9	253	34	316.9	4.9
X10ED03_28	812	8.47	0.349	0.01	0.04 83	0.0012	0.53235	303.6	7.8	304	7.2	283	59	304	7.2
X10ED03_29	810	4.68	0.38	0.011	0.05 1	0.0017	0.71486	326.6	8.4	321	11	332	54	321	11
TS16_15_1	528	5.35	0.325	0.015	0.04 56	0.0013	0.039353	286	12	287.7	7.8	250	130	287.7	7.8
TS16_15_2	196.4	0.4866	0.848	0.018	0.10 11	0.0076	0.16978	622.7	9.7	620.8	4.4	631	40	620.8	4.4
TS16_15_3	1951	2.853	0.2919	0.0031	0.04084	0.00037	0.47206	260	2.4	258	2.3	301	22	258	2.3
TS16_15_4	81.4	0.615	0.753	0.023	0.09 17	0.0012	0.030635	570	13	565.4	7	604	56	565.4	7
TS16_15_5	359	3.804	0.2998	0.0085	0.04 28	0.0074	0.17246	266.1	6.7	270.2	4.5	225	65	270.2	4.5
TS16_15_6	173	0.899	1.0119	0.037	0.11 75	0.0024	0.30641	713	19	716	14	730	64	716	14
TS16_15_7	476	4.3	0.3311	0.0085	0.04644	0.00052	-0.28602	290.2	6.5	292.7	3.2	254	57	292.7	3.2
TS16_15_8	988	4.955	0.3396	0.0041	0.04753	0.00042	0.069624	296.7	3.1	299.3	2.6	312	28	299.3	2.6
TS16_15_9	625	3.179	0.317	0.004	0.04464	0.00003	0.031075	279.7	3.1	281.5	1.9	293	27	281.5	1.9
TS16_15_10	543	13	0.312	0.013	0.04 29	0.0015	0.50849	275.8	9.7	270.6	9.4	405	71	270.6	9.4
TS16_15_11	213	17	0.946	0.023	0.11039	0.00099	0.1082	675	12	675	5.7	696	37	675	5.7
TS16_15_12	1420	12.14	0.3042	0.0072	0.04242	0.00065	0.060196	269.6	5.6	267.8	4	253	48	267.8	4
TS16_15_13	203.8	1.008	0.629	0.027	0.07 95	0.0014	0.12629	495	16	493.1	8.6	446	52	493.1	8.6
TS16_15_14	232	3.083	0.3128	0.009	0.04337	0.00068	-0.02037	275.8	7	273.7	4.2	296	55	273.7	4.2
TS16_15_15	130	3.94	0.3379	0.0094	0.04638	0.00046	-0.044	295.7	7.3	292.2	2.8	313	57	292.2	2.8

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TS16_15_16	1644	7.6	0.2861	0.0066	0.03984	0.00071	0.081661	256.3	5	251.8	4.4	298	46	251.8	4.4
TS16_15_17	1239	10.4	0.3405	0.0073	0.0475	0.001	0.30387	297.5	5.5	299.4	6.2	325	43	299.4	6.2
TS16_15_18	1066	7.86	0.3171	0.0048	0.04428	0.00052	0.002394	279.6	3.7	279.3	3.2	294	37	279.3	3.2

Appendix D

Age-depth profile data

Sample	206/238	2 S.E.	2 S.E. %	207/206	2 S.E.	2 S.E. %	Exp Age	207/206c	*f206*	1s %	Age 238/206cor	2s Ma
TS16_7_1_1	0.0686	0.0014	2.040816	0.433	0.021	4.849885	265	0.8712	0.465389	1.875148	232.1858	10.08625
TS16_7_2_1	0.0684	0.0017	2.48538	0.387	0.025	6.459948	265	0.8712	0.409268	2.33194	255.3494	13.75081
TS16_7_3_1	0.0598	0.0031	5.183946	0.344	0.015	4.360465	265	0.8712	0.356807	1.472479	243.2983	14.76586
TS16_7_4_1	0.0542	0.0015	2.767528	0.31	0.017	5.483871	265	0.8712	0.315327	1.753094	234.89	10.67678
TS16_7_5_1	0.0561	0.0014	2.495544	0.2878	0.008	2.779708	265	0.8712	0.288243	0.856436	252.3965	7.786424
TS16_7_6_1	0.0571	0.0015	2.62697	0.2871	0.0098	3.413445	265	0.8712	0.287389	1.050453	257.1092	8.817249
TS16_7_7_1	0.0596	0.0021	3.52349	0.319	0.016	5.015674	265	0.8712	0.326307	1.627161	253.7757	12.40296
TS16_7_8_1	0.0663	0.0022	3.31825	0.357	0.016	4.481793	265	0.8712	0.372668	1.544725	262.6942	12.14463
TS16_7_9_1	0.0694	0.0021	3.025937	0.385	0.021	5.454545	265	0.8712	0.406828	1.963019	260.0571	13.1407
TS16_7_10_1	0.069	0.002	2.898551	0.379	0.016	4.221636	265	0.8712	0.399508	1.505447	261.7151	11.15344
TS16_7_11_1	0.0657	0.0028	4.261796	0.383	0.017	4.438642	265	0.8712	0.404388	1.592543	247.4486	13.40749
TS16_7_12_1	0.0664	0.0024	3.614458	0.374	0.016	4.278075	265	0.8712	0.393408	1.513906	254.5541	12.23094
TS16_7_13_1	0.0694	0.0021	3.025937	0.373	0.022	5.898123	265	0.8712	0.392188	2.083991	266.3448	13.99042
TS16_7_1_2	0.268	0.014	5.223881	0.699	0.04	5.722461	265	0.8712	0.789913	3.16746	353.1044	29.7334
TS16_7_2_2	0.219	0.021	9.589041	0.691	0.041	5.93343	265	0.8712	0.780153	3.251442	303.1319	35.86003
TS16_7_3_2	0.182	0.011	6.043956	0.671	0.043	6.408346	265	0.8712	0.755753	3.424064	280.3758	26.12104
TS16_7_4_2	0.166	0.013	7.831325	0.607	0.036	5.930807	265	0.8712	0.677672	2.917486	336.0137	33.59799
TS16_7_5_2	0.139	0.017	12.23022	0.554	0.033	5.956679	265	0.8712	0.613011	2.730282	337.7573	46.27839
TS16_7_6_2	0.132	0.015	11.36364	0.542	0.029	5.350554	265	0.8712	0.598371	2.41281	333.0059	42.05518
TS16_7_7_2	0.097	0.016	16.49485	0.548	0.021	3.832117	265	0.8712	0.605691	1.742243	241.9641	41.4342
TS16_7_8_2	0.11	0.011	10	0.541	0.029	5.360444	265	0.8712	0.597151	2.413976	279.5144	31.64352
TS16_7_9_2	0.0727	0.0089	12.24209	0.429	0.032	7.459207	265	0.8712	0.460509	2.86713	248.0026	34.08925
TS16_7_10_2	0.0643	0.0044	6.842924	0.406	0.015	3.694581	265	0.8712	0.432448	1.372475	231.0617	17.32176
TS16_7_11_2	0.0487	0.0046	9.445585	0.357	0.019	5.322129	265	0.8712	0.372668	1.834361	193.9964	19.92569
TS16_7_12_2	0.0478	0.0036	7.531381	0.314	0.018	5.732484	265	0.8712	0.320207	1.844615	206.1392	17.54319
TS16_7_13_2	0.0529	0.0045	8.506616	0.365	0.041	11.23288	265	0.8712	0.382428	3.920142	207.2346	24.31774
TS16_7_1_3	0.0595	0.0026	4.369748	0.33	0.032	9.69697	265	0.8712	0.339727	3.202254	248.4072	19.6056
TS16_7_2_3	0.0666	0.0046	6.906907	0.347	0.03	8.645533	265	0.8712	0.360467	2.933378	268.8848	24.83441
TS16_7_3_3	0.0705	0.005	7.092199	0.381	0.022	5.774278	265	0.8712	0.401948	2.065436	266.2243	22.26936
TS16_7_4_3	0.0656	0.0032	4.878049	0.344	0.023	6.686047	265	0.8712	0.356807	2.257801	266.4146	18.05499
TS16_7_5_3	0.0716	0.003	4.189944	0.324	0.024	7.407407	265	0.8712	0.332407	2.42263	300.9985	19.70794
TS16_7_6_3	0.0741	0.0038	5.128205	0.344	0.023	6.686047	265	0.8712	0.356807	2.257801	300.1428	20.95942
TS16_7_7_3	0.073	0.0027	3.69863	0.382	0.024	6.282723	265	0.8712	0.403168	2.250742	274.9158	16.34252

TS16_7_8_3	0.0773	0.0033	4.269082	0.357	0.021	5.882353	265	0.8712	0.372668	2.027451	305.2615	18.3796
TS16_7_9_3	0.08	0.0034	4.25	0.367	0.02	5.449591	265	0.8712	0.384868	1.907749	309.6731	18.09308
TS16_7_10_3	0.0835	0.003	3.592814	0.375	0.022	5.866667	265	0.8712	0.394628	2.079266	317.8886	17.88299
TS16_7_11_3	0.0806	0.0048	5.955335	0.388	0.026	6.701031	265	0.8712	0.410488	2.422648	299.2449	23.47311
TS16_7_12_3	0.0814	0.0045	5.528256	0.391	0.025	6.393862	265	0.8712	0.414148	2.322146	300.3136	22.15808
TS16_7_13_3	0.0818	0.0044	5.378973	0.412	0.023	5.582524	265	0.8712	0.439769	2.092478	288.8503	20.1021
TS16_7_1_4	0.1399	0.0074	5.289492	0.641	0.034	5.304212	265	0.8712	0.719152	2.727344	248.4342	19.21626
TS16_7_2_4	0.1484	0.009	6.06469	0.641	0.036	5.616225	265	0.8712	0.719152	2.887776	263.2244	22.46163
TS16_7_3_4	0.1571	0.0065	4.137492	0.643	0.035	5.443235	265	0.8712	0.721592	2.806054	275.9604	19.62897
TS16_7_4_4	0.163	0.011	6.748466	0.671	0.045	6.706408	265	0.8712	0.755753	3.583323	251.6694	25.21469
TS16_7_5_4	0.167	0.01	5.988024	0.685	0.063	9.19708	265	0.8712	0.772833	5.001955	240.0321	28.45027
TS16_7_6_4	0.175	0.01	5.714286	0.631	0.045	7.131537	265	0.8712	0.706952	3.619798	322.396	30.41899
TS16_7_7_4	0.1702	0.0071	4.171563	0.623	0.031	4.975923	265	0.8712	0.697192	2.499533	323.9567	21.59546
TS16_7_8_4	0.1608	0.0092	5.721393	0.641	0.024	3.74415	265	0.8712	0.719152	1.925184	284.74	20.0456
TS16_7_9_4	0.41	0.19	46.34146	0.686	0.053	7.725948	265	0.8712	0.774053	4.20716	571.1214	275.3057
TS16_7_10_4	0.44	0.18	40.90909	0.721	0.042	5.825243	265	0.8712	0.816754	3.313871	499.8727	211.8827
TS16_7_11_4	0.1547	0.0099	6.399483	0.632	0.043	6.803797	265	0.8712	0.708172	3.457926	284.6503	27.36381
TS16_7_12_4	0.1387	0.0089	6.416727	0.656	0.058	8.841463	265	0.8712	0.737453	4.634623	230.5751	26.41034
TS16_7_13_4	0.14	0.0065	4.642857	0.615	0.036	5.853659	265	0.8712	0.687432	2.909895	276.0944	20.96726
TS16_7_1_5	0.0747	0.0039	5.220884	0.473	0.032	6.765328	265	0.8712	0.51419	2.771289	229.7958	17.78841
TS16_7_2_5	0.0647	0.0033	5.100464	0.408	0.019	4.656863	265	0.8712	0.434888	1.735129	231.4917	14.52402
TS16_7_3_5	0.0618	0.0016	2.588997	0.382	0.018	4.712042	265	0.8712	0.403168	1.688057	233.4908	10.10811
TS16_7_4_5	0.0609	0.0017	2.791461	0.362	0.016	4.41989	265	0.8712	0.378768	1.535316	239.3871	10.11296
TS16_7_5_5	0.0592	0.0016	2.702703	0.361	0.016	4.432133	265	0.8712	0.377548	1.537174	233.273	9.716427
TS16_7_6_5	0.058	0.0012	2.068966	0.34	0.013	3.823529	265	0.8712	0.351927	1.282993	237.8662	7.98204
TS16_7_7_5	0.0565	0.0015	2.654867	0.3278	0.0053	1.61684	265	0.8712	0.337043	0.532047	237.0513	6.902595
TS16_7_8_5	0.0558	0.0013	2.329749	0.3173	0.0079	2.489757	265	0.8712	0.324233	0.805485	238.6091	6.881525
TS16_7_9_5	0.05592	0.00074	1.323319	0.2987	0.0071	2.376967	265	0.8712	0.301541	0.745823	246.9904	5.018693
TS16_7_10_5	0.0535	0.0012	2.242991	0.297	0.012	4.040404	265	0.8712	0.299467	1.264181	237.1847	8.160707
TS16_7_11_5	0.05262	0.00086	1.63436	0.294	0.012	4.081633	265	0.8712	0.295807	1.270706	234.5504	7.213584
TS16_7_12_5	0.05312	0.00094	1.769578	0.2853	0.0068	2.383456	265	0.8712	0.285192	0.731262	240.2413	5.616906
TS16_7_13_5	0.0537	0.0012	2.234637	0.2923	0.0057	1.950051	265	0.8712	0.293733	0.605372	239.968	6.210863
TS16_7_1_6	0.335	0.029	8.656716	0.748	0.064	8.55615	265	0.8712	0.849694	5.031709	316.6855	42.9446
TS16_7_2_6	0.302	0.015	4.966887	0.711	0.054	7.594937	265	0.8712	0.804553	4.267331	369.6925	37.46417
TS16_7_3_6	0.301	0.015	4.983389	0.768	0.049	6.380208	265	0.8712	0.874094	3.84436	239.7881	22.34544
TS16_7_4_6	0.309	0.018	5.825243	0.727	0.054	7.427785	265	0.8712	0.824074	4.256979	341.2417	36.05007
TS16_7_5_6	0.237	0.028	11.81435	0.695	0.053	7.625899	265	0.8712	0.785033	4.199935	320.3339	47.43404

TS16_7_6_6	0.17	0.013	7.647059	0.698	0.051	7.30659	265	0.8712	0.788693	4.039237	227.5069	25.70799
TS16_7_7_6	0.1532	0.0085	5.548303	0.681	0.037	5.433186	265	0.8712	0.767953	2.940031	225.1882	18.50043
TS16_7_8_6	0.128	0.012	9.375	0.662	0.051	7.703927	265	0.8712	0.744773	4.06942	207.2317	26.09286
TS16_7_9_6	0.1273	0.0069	5.420267	0.672	0.054	8.035714	265	0.8712	0.756973	4.299044	196.4123	20.23873
TS16_7_10_6	0.1239	0.0085	6.860371	0.638	0.045	7.053292	265	0.8712	0.715492	3.612672	223.326	22.60121
TS16_7_11_6	0.1195	0.009	7.531381	0.593	0.057	9.612142	265	0.8712	0.660591	4.641903	256.2989	31.18103
TS16_7_12_6	0.108	0.0087	8.055556	0.536	0.038	7.089552	265	0.8712	0.591051	3.170917	278.6076	29.12419
TS16_7_13_6	0.0951	0.0076	7.991588	0.566	0.051	9.010601	265	0.8712	0.627651	4.197462	224.3214	26.40354
TS16_7_1_7	0.144	0.016	11.11111	0.612	0.025	4.084967	265	0.8712	0.683772	2.022706	287.062	34.61805
TS16_7_2_7	0.1051	0.0093	8.848716	0.547	0.031	5.667276	265	0.8712	0.604471	2.573087	262.558	27.37299
TS16_7_3_7	0.0858	0.0028	3.263403	0.501	0.023	4.590818	265	0.8712	0.54835	1.956313	245.09	12.71506
TS16_7_4_7	0.0791	0.0027	3.413401	0.467	0.02	4.282655	265	0.8712	0.506869	1.739354	246.6726	12.24336
TS16_7_5_7	0.0747	0.0032	4.283802	0.434	0.021	4.83871	265	0.8712	0.466609	1.87357	251.8679	14.60198
TS16_7_6_7	0.072	0.0019	2.638889	0.395	0.021	5.316456	265	0.8712	0.419028	1.942573	264.166	12.65212
TS16_7_7_7	0.0675	0.0023	3.407407	0.3586	0.009	2.50976	265	0.8712	0.37462	0.867196	266.5367	10.39604
TS16_7_8_7	0.0643	0.0022	3.421462	0.367	0.0098	2.6703	265	0.8712	0.384868	0.934797	250.0616	9.933682
TS16_7_9_7	0.063	0.0014	2.222222	0.368	0.012	3.26087	265	0.8712	0.386088	1.143308	244.6238	7.94495
TS16_7_10_7	0.0654	0.002	3.058104	0.341	0.015	4.398827	265	0.8712	0.353147	1.478383	267.0994	11.59001
TS16_7_11_7	0.0631	0.0021	3.328051	0.331	0.013	3.927492	265	0.8712	0.340947	1.299069	262.6577	11.3088
TS16_7_12_7	0.0621	0.0017	2.73752	0.3417	0.0098	2.868013	265	0.8712	0.354001	0.96497	253.5551	8.65607
TS16_7_13_7	0.0624	0.0018	2.884615	0.3591	0.0086	2.394876	265	0.8712	0.37523	0.828146	246.5426	8.354181
TS16_7_1_8	0.0603	0.007	11.60862	0.406	0.042	10.34483	265	0.8712	0.432448	3.842929	216.9268	30.64232
TS16_7_2_8	0.0461	0.0031	6.724512	0.305	0.035	11.47541	265	0.8712	0.309227	3.638417	202.0829	20.3078
TS16_7_3_8	0.0437	0.0025	5.720824	0.231	0.022	9.52381	265	0.8712	0.218946	2.658122	216.3578	17.16062
TS16_7_4_8	0.0404	0.0021	5.19802	0.205	0.015	7.317073	265	0.8712	0.187225	1.947795	208.2741	13.73529
TS16_7_5_8	0.0373	0.0015	4.021448	0.162	0.017	10.49383	265	0.8712	0.134764	2.58061	204.7603	13.59806
TS16_7_6_8	0.0386	0.0012	3.108808	0.1734	0.0088	5.074971	265	0.8712	0.148673	1.274287	208.4309	8.510107
TS16_7_7_8	0.0414	0.0019	4.589372	0.167	0.012	7.185629	265	0.8712	0.140865	1.783199	225.3039	13.31286
TS16_7_8_8	0.0384	0.0019	4.947917	0.154	0.01	6.493506	265	0.8712	0.125004	1.57419	213.0391	12.69025
TS16_7_9_8	0.0381	0.0022	5.774278	0.148	0.012	8.108108	265	0.8712	0.117684	1.945188	213.1414	15.07054
TS16_7_10_8	0.0388	0.0021	5.412371	0.164	0.017	10.36585	265	0.8712	0.137205	2.558393	212.2696	16.05338
TS16_7_11_8	0.0384	0.0012	3.125	0.148	0.011	7.432432	265	0.8712	0.117684	1.783089	214.792	10.34795
TS16_7_12_8	0.0388	0.0011	2.835052	0.1543	0.0084	5.44394	265	0.8712	0.12537	1.320448	215.1331	8.470436
TS16_7_13_8	0.037	0.0018	4.864865	0.15	0.01	6.666667	265	0.8712	0.120124	1.604901	206.5218	12.22013
TS16_7_1_9	0.294	0.05	17.0068	0.758	0.03	3.957784	265	0.8712	0.861894	2.356018	256.5703	46.02668
TS16_7_2_9	0.22	0.011	5	0.727	0.032	4.401651	265	0.8712	0.824074	2.522654	244.7935	17.69816
TS16_7_3_9	0.223	0.035	15.69507	0.713	0.043	6.030856	265	0.8712	0.806993	3.396966	271.6517	47.278

TS16_7_4_9	0.184	0.016	8.695652	0.701	0.036	5.135521	265	0.8712	0.792353	2.849703	241.7095	25.55689
TS16_7_5_9	0.214	0.041	19.15888	0.699	0.046	6.58083	265	0.8712	0.789913	3.642579	283.4955	59.13333
TS16_7_6_9	0.213	0.036	16.90141	0.712	0.039	5.477528	265	0.8712	0.805773	3.081463	261.3209	47.79979
TS16_7_7_9	0.166	0.015	9.036145	0.666	0.039	5.855856	265	0.8712	0.749653	3.10903	262.4808	29.31861
TS16_7_8_9	0.1499	0.0061	4.06938	0.649	0.036	5.546995	265	0.8712	0.728912	2.881706	256.7742	18.4553
TS16_7_9_9	0.15	0.01	6.666667	0.673	0.046	6.835067	265	0.8712	0.758193	3.66135	229.6778	23.1132
TS16_7_10_9	0.165	0.02	12.12121	0.682	0.041	6.01173	265	0.8712	0.769173	3.257207	240.961	33.6976
TS16_7_11_9	0.164	0.022	13.41463	0.699	0.027	3.862661	265	0.8712	0.789913	2.138036	218.3657	31.19623
TS16_7_12_9	0.147	0.019	12.92517	0.7	0.035	5	265	0.8712	0.791133	2.771034	194.9492	27.77501
TS16_7_13_9	0.1387	0.0066	4.758472	0.622	0.04	6.430868	265	0.8712	0.695972	3.226183	266.2615	21.75705
TS16_7_1_10	0.176	0.01	5.681818	0.675	0.027	4	265	0.8712	0.760633	2.148127	266.0137	19.31628
TS16_7_2_10	0.1644	0.0064	3.892944	0.656	0.027	4.115854	265	0.8712	0.737453	2.157497	272.4078	16.15014
TS16_7_3_10	0.1585	0.0061	3.84858	0.654	0.024	3.669725	265	0.8712	0.735012	1.918719	265.2212	14.69821
TS16_7_4_10	0.1552	0.0054	3.479381	0.638	0.035	5.485893	265	0.8712	0.715492	2.809856	278.5401	18.78661
TS16_7_5_10	0.1622	0.0056	3.452528	0.609	0.029	4.761905	265	0.8712	0.680112	2.348639	326.0894	19.46933
TS16_7_6_10	0.1531	0.0068	4.441541	0.651	0.04	6.144393	265	0.8712	0.731352	3.200266	259.8331	20.62314
TS16_7_7_10	0.1491	0.0054	3.62173	0.645	0.034	5.271318	265	0.8712	0.724032	2.724438	259.9373	17.33119
TS16_7_8_10	0.1475	0.0075	5.084746	0.64	0.036	5.625	265	0.8712	0.717932	2.888558	262.7738	20.60815
TS16_7_9_10	0.146	0.0068	4.657534	0.65	0.035	5.384615	265	0.8712	0.730132	2.800943	249.1169	18.47733
TS16_7_10_10	0.1487	0.0052	3.496974	0.637	0.041	6.436421	265	0.8712	0.714272	3.292455	268.2346	20.38884
TS16_7_11_10	0.1443	0.0099	6.860707	0.637	0.044	6.907378	265	0.8712	0.714272	3.533366	260.4558	26.12525
TS16_7_12_10	0.1436	0.0068	4.735376	0.631	0.032	5.071315	265	0.8712	0.706952	2.574078	265.7233	18.94735
TS16_7_13_10	0.1494	0.0068	4.551539	0.601	0.041	6.821963	265	0.8712	0.670352	3.32947	309.9121	25.55695
TS16_7_1_11	0.155	0.011	7.096774	0.716	0.07	9.776536	265	0.8712	0.810653	5.527329	186.4708	24.80582
TS16_7_2_11	0.146	0.0085	5.821918	0.735	0.067	9.115646	265	0.8712	0.833834	5.276044	154.5248	18.82022
TS16_7_3_11	0.1458	0.0082	5.624143	0.653	0.062	9.49464	265	0.8712	0.733792	4.957923	245.4715	28.45991
TS16_7_4_11	0.1469	0.0086	5.854323	0.644	0.057	8.850932	265	0.8712	0.722812	4.568646	257.2873	28.42241
TS16_7_5_11	0.1389	0.0076	5.471562	0.648	0.047	7.253086	265	0.8712	0.727692	3.763194	239.328	22.64838
TS16_7_6_11	0.149	0.0093	6.241611	0.654	0.045	6.880734	265	0.8712	0.735012	3.597598	249.6284	24.19839
TS16_7_7_11	0.1428	0.0085	5.952381	0.62	0.045	7.258065	265	0.8712	0.693532	3.631681	276.1197	26.43892
TS16_7_8_11	0.1327	0.0071	5.350414	0.658	0.032	4.863222	265	0.8712	0.739893	2.555792	218.7522	16.44374
TS16_7_9_11	0.1354	0.0063	4.65288	0.628	0.029	4.617834	265	0.8712	0.703292	2.334793	253.913	17.04936
TS16_7_10_11	0.1386	0.0082	5.916306	0.626	0.036	5.750799	265	0.8712	0.700852	2.900074	261.8882	22.10677
TS16_7_11_11	0.1353	0.006	4.43459	0.658	0.041	6.231003	265	0.8712	0.739893	3.274608	222.9649	17.91868
TS16_7_12_11	0.1398	0.0056	4.005722	0.646	0.039	6.037152	265	0.8712	0.725252	3.124272	242.9681	18.35177
TS16_7_13_11	0.139	0.0082	5.899281	0.623	0.039	6.260032	265	0.8712	0.697192	3.144574	265.7767	23.35437
TS16_7_1_12	0.0783	0.0057	7.279693	0.493	0.039	7.910751	265	0.8712	0.53859	3.333469	228.7902	22.94917

TS16_7_2_12	0.0756	0.0035	4.62963	0.438	0.037	8.447489	265	0.8712	0.471489	3.290092	252.5567	20.68985
TS16_7_3_12	0.071	0.0041	5.774648	0.379	0.02	5.277045	265	0.8712	0.399508	1.881808	269.1449	18.91669
TS16_7_4_12	0.0604	0.0029	4.801325	0.358	0.018	5.027933	265	0.8712	0.373888	1.735672	239.2886	14.42757
TS16_7_5_12	0.0571	0.0024	4.203152	0.341	0.024	7.038123	265	0.8712	0.353147	2.365413	233.8083	15.05007
TS16_7_6_12	0.0571	0.0018	3.152364	0.315	0.016	5.079365	265	0.8712	0.321427	1.637124	245.0586	11.34263
TS16_7_7_12	0.0583	0.0021	3.602058	0.307	0.015	4.885993	265	0.8712	0.311667	1.554279	253.6376	12.29673
TS16_7_8_12	0.0577	0.0018	3.119584	0.303	0.014	4.620462	265	0.8712	0.306787	1.46014	252.8231	11.00876
TS16_7_9_12	0.0574	0.0022	3.832753	0.309	0.013	4.20712	265	0.8712	0.314107	1.342733	248.9284	11.86659
TS16_7_10_12	0.057	0.0025	4.385965	0.32	0.017	5.3125	265	0.8712	0.327527	1.726258	242.4791	13.77775
TS16_7_11_12	0.0583	0.0026	4.459691	0.333	0.016	4.804805	265	0.8712	0.343387	1.594355	242.166	13.51486
TS16_7_12_12	0.0585	0.0031	5.299145	0.333	0.022	6.606607	265	0.8712	0.343387	2.192238	242.9813	17.00834
TS16_7_13_12	0.0594	0.0017	2.861953	0.336	0.02	5.952381	265	0.8712	0.347047	1.984646	245.2998	12.22339
TS16_7_1_13	0.0569	0.0032	5.623902	0.304	0.019	6.25	265	0.8712	0.308007	1.978368	248.9541	17.4302
TS16_7_2_13	0.0576	0.003	5.208333	0.289	0.026	8.99654	265	0.8712	0.289707	2.777459	258.4891	20.05194
TS16_7_3_13	0.0603	0.0034	5.638474	0.286	0.022	7.692308	265	0.8712	0.286047	2.362845	271.7193	20.38523
TS16_7_4_13	0.0601	0.0028	4.658902	0.281	0.017	6.049822	265	0.8712	0.279946	1.842673	273.1024	16.55038
TS16_7_5_13	0.0585	0.0023	3.931624	0.284	0.016	5.633803	265	0.8712	0.283606	1.7247	264.6551	14.11486
TS16_7_6_13	0.0558	0.0023	4.121864	0.294	0.016	5.442177	265	0.8712	0.295807	1.694275	248.4553	13.50202
TS16_7_7_13	0.055	0.0025	4.545455	0.293	0.014	4.778157	265	0.8712	0.294587	1.485065	245.3764	13.56601
TS16_7_8_13	0.0586	0.0023	3.924915	0.294	0.012	4.081633	265	0.8712	0.295807	1.270706	260.6738	12.42657
TS16_7_9_13	0.0592	0.0023	3.885135	0.308	0.019	6.168831	265	0.8712	0.312887	1.965594	257.0286	14.4769
TS16_7_10_13	0.071	0.0057	8.028169	0.367	0.028	7.629428	265	0.8712	0.384868	2.670849	275.5684	27.09188
TS16_7_11_13	0.0935	0.0048	5.13369	0.457	0.031	6.78337	265	0.8712	0.494669	2.715745	297.6063	22.72345
TS16_7_12_13	0.1123	0.0079	7.034728	0.535	0.033	6.168224	265	0.8712	0.589831	2.755066	290.2992	26.47913
TS16_7_13_13	0.1221	0.0083	6.797707	0.594	0.048	8.080808	265	0.8712	0.661812	3.907559	260.8415	27.5128
TS16_7_1_14	0.101	0.017	16.83168	0.428	0.054	12.61682	265	0.8712	0.459289	4.84246	342.7737	68.00523
TS16_7_2_14	0.071	0.0045	6.338028	0.326	0.029	8.895706	265	0.8712	0.334847	2.918797	297.4673	26.17933
TS16_7_3_14	0.0678	0.0061	8.99705	0.296	0.024	8.108108	265	0.8712	0.298247	2.532681	299.6401	31.59048
TS16_7_4_14	0.0653	0.0044	6.738132	0.308	0.016	5.194805	265	0.8712	0.312887	1.655237	282.9397	21.67809
TS16_7_5_14	0.0629	0.0025	3.974563	0.2948	0.0095	3.222524	265	0.8712	0.296783	1.004587	279.014	12.68631
TS16_7_6_14	0.0647	0.0032	4.945904	0.289	0.014	4.844291	265	0.8712	0.289707	1.495555	289.6457	17.1007
TS16_7_7_14	0.0673	0.0037	5.497771	0.271	0.015	5.535055	265	0.8712	0.267746	1.657359	310.1038	20.36222
TS16_7_8_14	0.064	0.0028	4.375	0.296	0.014	4.72973	265	0.8712	0.298247	1.477397	283.2095	15.2668
TS16_7_9_14	0.0631	0.0025	3.961965	0.295	0.016	5.423729	265	0.8712	0.297027	1.691354	279.7871	14.87952
TS16_7_10_14	0.0627	0.0026	4.14673	0.296	0.016	5.405405	265	0.8712	0.298247	1.688454	277.5789	15.15075
TS16_7_11_14	0.0647	0.0024	3.709428	0.303	0.019	6.270627	265	0.8712	0.306787	1.981619	282.8312	15.67581
TS16_7_12_14	0.0593	0.0034	5.733558	0.307	0.019	6.188925	265	0.8712	0.311667	1.968754	257.9023	18.27588

TS16_7_13_14	0.0575	0.0023	4	0.282	0.013	4.609929	265	0.8712	0.281166	1.406488	261.0898	13.01642
TS16_7_1_15	0.1011	0.0033	3.264095	0.599	0.016	2.671119	265	0.8712	0.667912	1.30021	212.8789	9.026084
TS16_7_2_15	0.1011	0.0036	3.560831	0.593	0.018	3.035413	265	0.8712	0.660591	1.465864	217.493	10.1948
TS16_7_3_15	0.1073	0.0031	2.889096	0.571	0.028	4.903678	265	0.8712	0.633751	2.299693	248.4833	13.7452
TS16_7_4_15	0.1046	0.0021	2.007648	0.544	0.019	3.492647	265	0.8712	0.600811	1.579292	263.7034	10.06623
TS16_7_5_15	0.1028	0.0035	3.404669	0.544	0.028	5.147059	265	0.8712	0.600811	2.327378	259.2555	15.23801
TS16_7_6_15	0.1043	0.0045	4.314477	0.53	0.032	6.037736	265	0.8712	0.58373	2.678361	273.9779	19.22216
TS16_7_7_15	0.1032	0.0041	3.972868	0.542	0.029	5.350554	265	0.8712	0.598371	2.41281	261.803	16.67956
TS16_7_8_15	0.0998	0.004	4.008016	0.538	0.027	5.018587	265	0.8712	0.593491	2.250791	256.3629	15.7439
TS16_7_9_15	0.1039	0.0055	5.293551	0.547	0.038	6.946984	265	0.8712	0.604471	3.154106	259.6198	21.77921
TS16_7_10_15	0.1094	0.0053	4.844607	0.54	0.036	6.666667	265	0.8712	0.595931	2.998116	278.8462	21.92993
TS16_7_11_15	0.1044	0.0036	3.448276	0.549	0.026	4.735883	265	0.8712	0.606911	2.15606	259.267	14.5902
TS16_7_12_15	0.1077	0.0051	4.735376	0.545	0.03	5.504587	265	0.8712	0.602031	2.492434	270.5443	18.96922
TS16_7_13_15	0.1104	0.0046	4.166667	0.526	0.021	3.992395	265	0.8712	0.57885	1.761329	292.9663	16.33295
TS16_7_1_16	0.0928	0.0062	6.681034	0.423	0.029	6.855792	265	0.8712	0.453189	2.612	319.0883	27.68312
TS16_7_2_16	0.0992	0.0045	4.53629	0.462	0.023	4.978355	265	0.8712	0.500769	2.007477	311.5966	19.3108
TS16_7_3_16	0.0899	0.0073	8.120133	0.379	0.033	8.707124	265	0.8712	0.399508	3.104984	338.9363	35.47711
TS16_7_4_16	0.0688	0.004	5.813953	0.325	0.02	6.153846	265	0.8712	0.333627	2.015901	288.9706	20.87637
TS16_7_5_16	0.0595	0.0024	4.033613	0.286	0.013	4.545455	265	0.8712	0.286047	1.396226	268.1883	13.42058
TS16_7_6_16	0.055	0.0014	2.545455	0.252	0.02	7.936508	265	0.8712	0.244566	2.299319	262.4265	14.06271
TS16_7_7_16	0.0552	0.0018	3.26087	0.2364	0.0081	3.426396	265	0.8712	0.225534	0.965619	269.8596	10.4359
TS16_7_8_16	0.0608	0.0023	3.782895	0.262	0.02	7.633588	265	0.8712	0.256766	2.250495	284.9145	17.10471
TS16_7_9_16	0.0595	0.003	5.042017	0.289	0.02	6.920415	265	0.8712	0.289707	2.136507	266.8415	17.9809
TS16_7_10_16	0.0603	0.0029	4.809287	0.321	0.018	5.607477	265	0.8712	0.328747	1.825067	255.7862	15.73463
TS16_7_11_16	0.0585	0.0015	2.564103	0.311	0.015	4.823151	265	0.8712	0.316547	1.544405	252.7214	10.33843
TS16_7_12_16	0.0566	0.0013	2.29682	0.311	0.012	3.858521	265	0.8712	0.316547	1.235524	244.6672	8.40735
TS16_7_13_16	0.0608	0.003	4.934211	0.311	0.014	4.501608	265	0.8712	0.316547	1.441445	262.4579	15.28997
TS16_7_1_17	0.071	0.0046	6.478873	0.444	0.033	7.432432	265	0.8712	0.478809	2.920163	234.239	20.77416
TS16_7_2_17	0.0632	0.0036	5.696203	0.404	0.02	4.950495	265	0.8712	0.430008	1.833524	228.1373	15.71275
TS16_7_3_17	0.0613	0.0033	5.383361	0.375	0.017	4.533333	265	0.8712	0.394628	1.606705	234.8901	14.98059
TS16_7_4_17	0.0578	0.0028	4.844291	0.345	0.017	4.927536	265	0.8712	0.358027	1.666608	234.8696	14.05031
TS16_7_5_17	0.0543	0.0025	4.604052	0.29	0.016	5.517241	265	0.8712	0.290927	1.706175	243.5452	14.20828
TS16_7_6_17	0.0491	0.0017	3.462322	0.267	0.011	4.11985	265	0.8712	0.262866	1.225144	229.1937	9.888889
TS16_7_7_17	0.0473	0.0016	3.382664	0.249	0.012	4.819277	265	0.8712	0.240906	1.388866	227.401	10.12305
TS16_7_8_17	0.047	0.0026	5.531915	0.241	0.017	7.053942	265	0.8712	0.231146	2.004293	228.8384	15.89452
TS16_7_9_17	0.0444	0.0021	4.72973	0.245	0.015	6.122449	265	0.8712	0.236026	1.752009	215.0385	12.85845
TS16_7_10_17	0.0487	0.0028	5.749487	0.213	0.015	7.042254	265	0.8712	0.196985	1.902365	247.2942	17.35727

TS16_7_11_17	0.0478	0.0024	5.020921	0.199	0.013	6.532663	265	0.8712	0.179905	1.719853	247.8756	15.36156
TS16_7_12_17	0.0476	0.002	4.201681	0.194	0.011	5.670103	265	0.8712	0.173805	1.479029	248.6593	13.01386
TS16_7_13_17	0.0485	0.0017	3.505155	0.192	0.012	6.25	265	0.8712	0.171365	1.624269	254.0031	12.36933
TS16_7_1_18	0.0793	0.005	6.30517	0.456	0.028	6.140351	265	0.8712	0.493449	2.454772	253.8834	20.65992
TS16_7_2_18	0.0687	0.0026	3.784571	0.405	0.017	4.197531	265	0.8712	0.431228	1.556979	247.0944	12.33335
TS16_7_3_18	0.0657	0.0026	3.957382	0.377	0.017	4.509284	265	0.8712	0.397068	1.603099	250.4314	12.99284
TS16_7_4_18	0.0621	0.0023	3.703704	0.351	0.014	3.988604	265	0.8712	0.365348	1.361866	249.1867	11.66985
TS16_7_5_18	0.06	0.0015	2.5	0.337	0.01	2.967359	265	0.8712	0.348267	0.990958	247.2765	8.037098
TS16_7_6_18	0.0596	0.0016	2.684564	0.323	0.013	4.024768	265	0.8712	0.331187	1.314193	251.9729	9.646931
TS16_7_7_18	0.058	0.0016	2.758621	0.297	0.017	5.723906	265	0.8712	0.299467	1.790923	256.7426	11.83076
TS16_7_8_18	0.057	0.0018	3.157895	0.289	0.016	5.536332	265	0.8712	0.289707	1.709205	255.8492	12.13471
TS16_7_9_18	0.0548	0.0023	4.19708	0.285	0.013	4.561404	265	0.8712	0.284826	1.398763	247.8196	12.73074
TS16_7_10_18	0.0532	0.0011	2.067669	0.281	0.011	3.914591	265	0.8712	0.279946	1.192318	242.3295	7.789325
TS16_7_11_18	0.05354	0.00091	1.699664	0.267	0.011	4.11985	265	0.8712	0.262866	1.225144	249.523	7.582385
TS16_7_12_18	0.0543	0.0012	2.209945	0.256	0.011	4.296875	265	0.8712	0.249446	1.253618	257.5116	8.774706
TS16_7_13_18	0.054	0.0013	2.407407	0.262	0.014	5.343511	265	0.8712	0.256766	1.575346	253.6674	10.25068
TS16_7_1_19	0.221	0.014	6.334842	0.746	0.051	6.836461	265	0.8712	0.847254	4.010582	214.0185	22.20376
TS16_7_2_19	0.224	0.014	6.25	0.744	0.074	9.946237	265	0.8712	0.844814	5.820667	220.2813	29.54096
TS16_7_3_19	0.23	0.012	5.217391	0.74	0.068	9.189189	265	0.8712	0.839934	5.351353	233.0618	28.19591
TS16_7_4_19	0.232	0.012	5.172414	0.671	0.034	5.067064	265	0.8712	0.755753	2.7074	355.3139	27.29584
TS16_7_5_19	0.2272	0.0087	3.829225	0.673	0.05	7.429421	265	0.8712	0.758193	3.979729	344.7708	31.20584
TS16_7_6_19	0.222	0.01	4.504505	0.685	0.039	5.693431	265	0.8712	0.772833	3.096449	317.1676	24.84766
TS16_7_7_19	0.213	0.012	5.633803	0.667	0.026	3.898051	265	0.8712	0.750873	2.072216	333.3062	23.88032
TS16_7_8_19	0.232	0.013	5.603448	0.689	0.039	5.660377	265	0.8712	0.777713	3.094021	324.1568	27.69324
TS16_7_9_19	0.182	0.027	14.83516	0.691	0.041	5.93343	265	0.8712	0.780153	3.251442	252.9082	41.64503
TS16_7_10_19	0.1	0.011	11	0.567	0.054	9.52381	265	0.8712	0.628871	4.442499	234.9124	33.7411
TS16_7_11_19	0.0756	0.0043	5.687831	0.474	0.028	5.907173	265	0.8712	0.51541	2.423209	231.9415	17.62344
TS16_7_12_19	0.0673	0.0046	6.835067	0.415	0.032	7.710843	265	0.8712	0.443429	2.903158	237.0525	21.61915
TS16_7_13_19	0.06	0.002	3.333333	0.367	0.02	5.449591	265	0.8712	0.384868	1.907749	233.6383	12.04309
TS16_7_1_20	0.501	0.029	5.788423	0.82	0.028	3.414634	265	0.8712	0.937535	2.189159	198.6474	14.62524
TS16_7_2_20	0.438	0.019	4.3379	0.786	0.029	3.689567	265	0.8712	0.896055	2.271805	287.0079	18.41049
TS16_7_3_20	0.405	0.012	2.962963	0.778	0.029	3.727506	265	0.8712	0.886294	2.273233	290.2296	16.08983
TS16_7_4_20	0.397	0.024	6.04534	0.75	0.026	3.466667	265	0.8712	0.852134	2.043663	367.7317	27.55611
TS16_7_5_20	0.308	0.02	6.493506	0.763	0.021	2.752294	265	0.8712	0.867994	1.648375	256.9089	19.05889
TS16_7_6_20	0.242	0.018	7.438017	0.748	0.027	3.609626	265	0.8712	0.849694	2.122752	230.3183	20.0507
TS16_7_7_20	0.163	0.015	9.202454	0.674	0.03	4.451039	265	0.8712	0.759413	2.38732	247.9697	26.15565
TS16_7_8_20	0.1412	0.0065	4.603399	0.673	0.026	3.863299	265	0.8712	0.758193	2.069459	216.427	13.61091

TS16_7_9_20	0.1494	0.0078	5.220884	0.669	0.03	4.484305	265	0.8712	0.753313	2.389942	233.3097	16.79538
TS16_7_10_20	0.1489	0.0071	4.768301	0.644	0.034	5.279503	265	0.8712	0.722812	2.725157	260.7203	19.23893
TS16_7_11_20	0.1541	0.0071	4.607398	0.626	0.018	2.875399	265	0.8712	0.700852	1.450037	290.5252	16.15813
TS16_7_12_20	0.1431	0.0063	4.402516	0.651	0.025	3.840246	265	0.8712	0.731352	2.000167	243.1776	14.72492
TS16_7_13_20	0.1375	0.0062	4.509091	0.637	0.031	4.866562	265	0.8712	0.714272	2.489417	248.4155	16.98982
TS16_7_1_21	0.289	0.049	16.95502	0.734	0.03	4.087193	265	0.8712	0.832614	2.36272	304.5349	54.65574
TS16_7_2_21	0.287	0.058	20.20906	0.755	0.033	4.370861	265	0.8712	0.858234	2.592445	257.0887	54.49089
TS16_7_3_21	0.185	0.014	7.567568	0.729	0.04	5.486968	265	0.8712	0.826514	3.152434	203.6466	20.34693
TS16_7_4_21	0.1981	0.0099	4.997476	0.73	0.035	4.794521	265	0.8712	0.827734	2.757998	216.3196	16.3535
TS16_7_5_21	0.199	0.011	5.527638	0.728	0.039	5.357143	265	0.8712	0.825294	3.074052	220.3117	18.50284
TS16_7_6_21	0.205	0.011	5.365854	0.717	0.034	4.74198	265	0.8712	0.811873	2.684287	243.9378	18.84304
TS16_7_7_21	0.198	0.022	11.11111	0.69	0.037	5.362319	265	0.8712	0.778933	2.934789	276.1667	35.36052
TS16_7_8_21	0.184	0.015	8.152174	0.659	0.03	4.552352	265	0.8712	0.741113	2.395479	299.9872	28.97122
TS16_7_9_21	0.22	0.013	5.909091	0.72	0.032	4.444444	265	0.8712	0.815534	2.525233	256.4433	20.30397
TS16_7_10_21	0.237	0.012	5.063291	0.775	0.027	3.483871	265	0.8712	0.882634	2.116993	176.8626	11.82417
TS16_7_11_21	0.286	0.02	6.993007	0.758	0.031	4.08971	265	0.8712	0.861894	2.434552	249.7222	21.66036
TS16_7_12_21	0.276	0.018	6.521739	0.759	0.034	4.479578	265	0.8712	0.863114	2.669876	239.0607	20.49581
TS16_7_13_21	0.247	0.017	6.882591	0.729	0.036	4.938272	265	0.8712	0.826514	2.83719	270.4814	24.59363
TS16_7_1_22	0.0734	0.0036	4.904632	0.493	0.027	5.476673	265	0.8712	0.53859	2.307787	214.7083	14.68716
TS16_7_2_22	0.0694	0.0039	5.619597	0.49	0.025	5.102041	265	0.8712	0.53493	2.14087	204.7765	14.6828
TS16_7_3_22	0.088	0.02	22.72727	0.498	0.052	10.44177	265	0.8712	0.54469	4.430973	253.25	62.70119
TS16_7_4_22	0.162	0.031	19.1358	0.653	0.035	5.359877	265	0.8712	0.733792	2.798827	272.178	55.19105
TS16_7_5_22	0.2	0.035	17.5	0.709	0.029	4.090268	265	0.8712	0.802113	2.292465	250.2125	45.99056
TS16_7_6_22	0.117	0.014	11.96581	0.613	0.031	5.057096	265	0.8712	0.684992	2.507346	233.3152	30.75159
TS16_7_7_22	0.126	0.019	15.07937	0.608	0.03	4.934211	265	0.8712	0.678892	2.43043	255.6814	41.19097
TS16_7_8_22	0.154	0.054	35.06494	0.615	0.068	11.05691	265	0.8712	0.687432	5.496469	303.0644	113.0319
TS16_7_9_22	0.107	0.038	35.51402	0.589	0.073	12.39389	265	0.8712	0.655711	5.953616	233.209	88.34428
TS16_7_10_22	0.141	0.036	25.53191	0.587	0.067	11.41397	265	0.8712	0.653271	5.468356	307.6954	86.9481
TS16_7_11_22	0.061	0.012	19.67213	0.356	0.028	7.865169	265	0.8712	0.371448	2.706625	242.5458	50.23396
TS16_7_12_22	0.0578	0.0036	6.228374	0.337	0.012	3.560831	265	0.8712	0.348267	1.18915	238.3752	16.16968
TS16_7_13_22	0.0536	0.0027	5.037313	0.32	0.02	6.25	265	0.8712	0.327527	2.030892	228.2685	15.01816
TS16_7_1_23	0.1369	0.0068	4.967129	0.622	0.042	6.752412	265	0.8712	0.695972	3.387492	262.8756	22.50069
TS16_7_2_23	0.1381	0.0074	5.358436	0.606	0.046	7.590759	265	0.8712	0.676452	3.729147	281.7892	26.39828
TS16_7_3_23	0.12	0.0066	5.5	0.597	0.038	6.365159	265	0.8712	0.665472	3.090172	253.7218	21.37413
TS16_7_4_23	0.1145	0.0047	4.104803	0.577	0.025	4.332756	265	0.8712	0.641071	2.048325	259.6312	15.34585
TS16_7_5_23	0.1179	0.0066	5.597964	0.567	0.023	4.056437	265	0.8712	0.628871	1.892176	276.0731	19.03165
TS16_7_6_23	0.1254	0.0069	5.502392	0.562	0.023	4.092527	265	0.8712	0.622771	1.896211	297.9516	20.34646

TS16_7_7_23	0.1269	0.0059	4.64933	0.56	0.032	5.714286	265	0.8712	0.620331	2.6405	303.3381	21.81602
TS16_7_8_23	0.136	0.0086	6.323529	0.619	0.04	6.462036	265	0.8712	0.692312	3.229159	264.2626	24.33608
TS16_7_9_23	0.156	0.011	7.051282	0.631	0.03	4.754358	265	0.8712	0.706952	2.413198	288.1632	25.13273
TS16_7_10_23	0.163	0.01	6.134969	0.653	0.032	4.900459	265	0.8712	0.733792	2.558928	273.8229	22.3094
TS16_7_11_23	0.1666	0.0082	4.921969	0.657	0.038	5.783866	265	0.8712	0.738673	3.035737	274.7207	21.89881
TS16_7_12_23	0.1583	0.0086	5.432723	0.661	0.039	5.900151	265	0.8712	0.743553	3.112642	256.5239	21.58642
TS16_7_13_23	0.1607	0.0091	5.662726	0.663	0.043	6.485671	265	0.8712	0.745993	3.430277	257.9074	23.36543
TS16_7_1_24	0.27	0.13	48.14815	0.689	0.07	10.15965	265	0.8712	0.777713	5.553371	375.7318	188.3961
TS16_7_2_24	0.091	0.019	20.87912	0.585	0.042	7.179487	265	0.8712	0.650831	3.430513	201.6437	44.86023
TS16_7_3_24	0.0638	0.0032	5.015674	0.481	0.032	6.652807	265	0.8712	0.52395	2.756334	192.8761	14.57569
TS16_7_4_24	0.06	0.0036	6	0.383	0.032	8.355091	265	0.8712	0.404388	2.997729	226.3528	19.5109
TS16_7_5_24	0.043	0.0047	10.93023	0.264	0.025	9.469697	265	0.8712	0.259206	2.8015	202.1422	25.1726
TS16_7_6_24	0.0386	0.003	7.772021	0.218	0.011	5.045872	265	0.8712	0.203085	1.375569	195.3088	16.3281
TS16_7_7_24	0.0371	0.0023	6.199461	0.19	0.015	7.894737	265	0.8712	0.168925	2.044122	195.7589	14.74337
TS16_7_8_24	0.0411	0.0022	5.352798	0.169	0.013	7.692308	265	0.8712	0.143305	1.915933	223.0748	14.92472
TS16_7_9_24	0.0384	0.0015	3.90625	0.192	0.012	6.25	265	0.8712	0.171365	1.624269	201.9264	10.41288
TS16_7_10_24	0.0407	0.0022	5.405405	0.19	0.017	8.947368	265	0.8712	0.168925	2.316672	214.4418	15.50514
TS16_7_11_24	0.0424	0.0018	4.245283	0.183	0.014	7.650273	265	0.8712	0.160385	1.955304	225.4998	13.23245
TS16_7_12_24	0.0421	0.0016	3.800475	0.186	0.014	7.526882	265	0.8712	0.164045	1.934487	222.9722	12.29237
TS16_7_13_24	0.0414	0.0024	5.797101	0.193	0.012	6.217617	265	0.8712	0.172585	1.618847	217.1239	14.64583
TS16_7_1_25	0.0845	0.0052	6.153846	0.468	0.026	5.555556	265	0.8712	0.508089	2.259556	262.5352	20.42575
TS16_7_2_25	0.0811	0.0051	6.288533	0.418	0.021	5.023923	265	0.8712	0.447089	1.899965	282.7708	21.20397
TS16_7_3_25	0.0801	0.0043	5.36829	0.414	0.018	4.347826	265	0.8712	0.442209	1.634539	281.7711	18.07764
TS16_7_4_25	0.0779	0.0041	5.263158	0.388	0.026	6.701031	265	0.8712	0.410488	2.422648	289.4422	21.14347
TS16_7_5_25	0.0735	0.0041	5.578231	0.38	0.022	5.789474	265	0.8712	0.400728	2.067706	277.8664	19.68666
TS16_7_6_25	0.0675	0.0025	3.703704	0.398	0.019	4.773869	265	0.8712	0.422688	1.752232	246.4363	12.79608
TS16_7_7_25	0.0732	0.0037	5.054645	0.366	0.02	5.464481	265	0.8712	0.383648	1.91	284.4727	18.40081
TS16_7_8_25	0.0737	0.0031	4.206242	0.359	0.014	3.899721	265	0.8712	0.375108	1.34831	290.2532	14.81667
TS16_7_9_25	0.0694	0.0021	3.025937	0.362	0.017	4.696133	265	0.8712	0.378768	1.631273	272.1032	12.35531
TS16_7_10_25	0.0684	0.0025	3.654971	0.357	0.012	3.361345	265	0.8712	0.372668	1.158544	270.8424	11.95945
TS16_7_11_25	0.0687	0.0031	4.512373	0.352	0.012	3.409091	265	0.8712	0.366568	1.165829	274.595	14.23278
TS16_7_12_25	0.0679	0.0017	2.503682	0.342	0.014	4.093567	265	0.8712	0.354367	1.377975	276.5817	10.51377
TS16_7_13_25	0.0672	0.0024	3.571429	0.353	0.014	3.966006	265	0.8712	0.367788	1.358412	268.2158	12.27795
TS16_7_1_26	0.1784	0.008	4.484305	0.655	0.041	6.259542	265	0.8712	0.736232	3.277002	296.4225	24.04445
TS16_7_2_26	0.1702	0.0084	4.93537	0.659	0.045	6.828528	265	0.8712	0.741113	3.593219	277.9661	24.71557
TS16_7_3_26	0.1682	0.0076	4.51843	0.645	0.024	3.72093	265	0.8712	0.724032	1.923133	292.4911	17.73119
TS16_7_4_26	0.1705	0.0081	4.750733	0.617	0.043	6.969206	265	0.8712	0.689872	3.473513	332.1597	28.62396

TS16_7_5_26	0.167	0.0079	4.730539	0.597	0.033	5.527638	265	0.8712	0.665472	2.68357	350.4369	25.71397
TS16_7_6_26	0.1659	0.0099	5.96745	0.613	0.036	5.872757	265	0.8712	0.684992	2.911757	328.381	28.02906
TS16_7_7_26	0.1605	0.0092	5.732087	0.617	0.04	6.482982	265	0.8712	0.689872	3.231175	313.1435	27.65836
TS16_7_8_26	0.1553	0.0075	4.829363	0.646	0.035	5.417957	265	0.8712	0.725252	2.803834	269.3512	20.3238
TS16_7_9_26	0.1534	0.0092	5.997392	0.674	0.029	4.302671	265	0.8712	0.759413	2.307743	233.6268	17.97957
TS16_7_10_26	0.155	0.011	7.096774	0.621	0.05	8.05153	265	0.8712	0.694752	4.033961	298.0065	32.68953
TS16_7_11_26	0.1592	0.0085	5.339196	0.579	0.03	5.181347	265	0.8712	0.643511	2.456049	355.8485	26.48835
TS16_7_12_26	0.155	0.01	6.451613	0.579	0.031	5.354059	265	0.8712	0.643511	2.537918	346.7085	29.1744
TS16_7_13_26	0.1373	0.0092	6.700655	0.596	0.032	5.369128	265	0.8712	0.664252	2.603174	290.5225	25.16724
TS16_7_1_27	0.571	0.052	9.10683	0.836	0.031	3.708134	265	0.8712	0.957055	2.42236	156.1678	16.28532
TS16_7_2_27	0.454	0.027	5.947137	0.818	0.05	6.112469	265	0.8712	0.935095	3.909547	187.2104	18.63383
TS16_7_3_27	0.407	0.025	6.142506	0.742	0.04	5.390836	265	0.8712	0.842374	3.147073	400.8377	36.2693
TS16_7_4_27	0.346	0.021	6.069364	0.73	0.045	6.164384	265	0.8712	0.827734	3.545997	373.2176	35.76696
TS16_7_5_27	0.33	0.015	4.545455	0.72	0.049	6.805556	265	0.8712	0.815534	3.866762	380.9381	35.10586
TS16_7_6_27	0.3	0.015	5	0.704	0.035	4.971591	265	0.8712	0.796013	2.769099	382.895	29.36762
TS16_7_7_27	0.271	0.016	5.904059	0.712	0.036	5.05618	265	0.8712	0.805773	2.844427	330.6812	27.7596
TS16_7_8_27	0.265	0.017	6.415094	0.677	0.039	5.760709	265	0.8712	0.763073	3.101531	392.5446	36.01698
TS16_7_9_27	0.244	0.022	9.016393	0.666	0.037	5.555556	265	0.8712	0.749653	2.949593	382.2191	42.28963
TS16_7_10_27	0.2096	0.0075	3.578244	0.686	0.03	4.373178	265	0.8712	0.774053	2.381411	298.2838	18.1613
TS16_7_11_27	0.201	0.0099	4.925373	0.679	0.041	6.038292	265	0.8712	0.765513	3.259218	296.889	24.77546
TS16_7_12_27	0.202	0.012	5.940594	0.736	0.042	5.706522	265	0.8712	0.835054	3.306938	211.2882	19.06674
TS16_7_13_27	0.188	0.01	5.319149	0.658	0.044	6.68693	265	0.8712	0.739893	3.514214	307.7659	27.72574
TS16_7_1_28	0.0879	0.0041	4.664391	0.317	0.018	5.678233	265	0.8712	0.323867	1.836122	372.1708	22.70408
TS16_7_2_28	0.0827	0.0061	7.376058	0.311	0.011	3.536977	265	0.8712	0.316547	1.132564	354.4366	28.05309
TS16_7_3_28	0.0814	0.0069	8.476658	0.323	0.018	5.572755	265	0.8712	0.331187	1.819652	341.7316	32.29382
TS16_7_4_28	0.0858	0.0071	8.275058	0.349	0.03	8.595989	265	0.8712	0.362908	2.925783	343.0836	35.61474
TS16_7_5_28	0.0868	0.005	5.760369	0.352	0.027	7.670455	265	0.8712	0.366568	2.623115	345.0356	27.55631
TS16_7_6_28	0.0955	0.0067	7.015707	0.347	0.021	6.051873	265	0.8712	0.360467	2.053365	382.162	31.92721
TS16_7_7_28	0.0877	0.0058	6.613455	0.357	0.028	7.843137	265	0.8712	0.372668	2.703269	345.2501	30.22487
TS16_7_8_28	0.0828	0.0055	6.642512	0.37	0.028	7.567568	265	0.8712	0.388528	2.661514	318.3876	27.72254
TS16_7_9_28	0.085	0.0054	6.352941	0.364	0.022	6.043956	265	0.8712	0.381208	2.105998	330.4481	25.79311
TS16_7_10_28	0.0866	0.0062	7.159353	0.346	0.023	6.647399	265	0.8712	0.359247	2.251863	348.1343	30.18446
TS16_7_11_28	0.0897	0.007	7.80379	0.318	0.021	6.603774	265	0.8712	0.325087	2.138884	378.9068	34.63773
TS16_7_12_28	0.0873	0.0045	5.154639	0.339	0.029	8.554572	265	0.8712	0.350707	2.865942	355.423	28.10669
TS16_7_13_28	0.0873	0.0053	6.071019	0.374	0.032	8.55615	265	0.8712	0.393408	3.027812	332.6412	29.20593
TS16_7_1_29	0.1663	0.0075	4.509922	0.672	0.041	6.10119	265	0.8712	0.756973	3.264089	255.4075	20.63908
TS16_7_2_29	0.1633	0.0082	5.021433	0.65	0.037	5.692308	265	0.8712	0.730132	2.960997	278.0077	22.01999

TS16_7_3_29	0.1697	0.0095	5.598114	0.628	0.037	5.89172	265	0.8712	0.703292	2.978873	316.6783	26.481
TS16_7_4_29	0.1605	0.0087	5.420561	0.652	0.027	4.141104	265	0.8712	0.732572	2.159636	270.9203	19.14914
TS16_7_5_29	0.1558	0.0073	4.685494	0.693	0.032	4.617605	265	0.8712	0.782593	2.536753	214.7363	15.06208
TS16_7_6_29	0.1653	0.0089	5.38415	0.698	0.04	5.730659	265	0.8712	0.788693	3.168029	221.3237	18.69488
TS16_7_7_29	0.177	0.011	6.214689	0.661	0.039	5.900151	265	0.8712	0.743553	3.112642	286.1638	25.68791
TS16_7_8_29	0.1839	0.0097	5.274606	0.654	0.038	5.810398	265	0.8712	0.735012	3.037972	306.7272	25.22649
TS16_7_9_29	0.1878	0.0085	4.526092	0.662	0.04	6.042296	265	0.8712	0.744773	3.191702	301.8109	24.13359
TS16_7_10_29	0.1835	0.0066	3.59673	0.652	0.03	4.601227	265	0.8712	0.732572	2.399595	308.8276	18.94456
TS16_7_11_29	0.1846	0.0072	3.900325	0.655	0.033	5.038168	265	0.8712	0.736232	2.637587	306.483	20.5596
TS16_7_12_29	0.1919	0.0084	4.37728	0.632	0.035	5.537975	265	0.8712	0.708172	2.814591	351.2642	25.69167
TS16_7_13_29	0.187	0.011	5.882353	0.646	0.05	7.739938	265	0.8712	0.725252	4.005477	322.9751	32.83343
TS16_7_1_30	0.93	0.17	18.27957	0.846	0.058	6.855792	265	0.8712	0.969256	4.531079	181.7319	37.49633
TS16_7_2_30	0.66	0.14	21.21212	0.786	0.058	7.379135	265	0.8712	0.896055	4.54361	427.7394	101.2569
TS16_7_3_30	0.337	0.036	10.68249	0.731	0.045	6.155951	265	0.8712	0.828954	3.545511	361.2729	47.46903
TS16_7_4_30	0.242	0.016	6.61157	0.708	0.052	7.344633	265	0.8712	0.800893	4.111308	303.3615	32.68983
TS16_7_5_30	0.238	0.04	16.80672	0.744	0.055	7.392473	265	0.8712	0.844814	4.326171	233.8021	44.85081
TS16_7_6_30	0.239	0.041	17.15481	0.691	0.036	5.209841	265	0.8712	0.780153	2.854925	330.1179	60.95124
TS16_7_7_30	0.205	0.014	6.829268	0.667	0.05	7.496252	265	0.8712	0.750873	3.98503	321.0942	34.4624
TS16_7_8_30	0.193	0.016	8.290155	0.666	0.053	7.957958	265	0.8712	0.749653	4.225093	304.1808	36.76618
TS16_7_9_30	0.1886	0.0097	5.14316	0.627	0.038	6.060606	265	0.8712	0.702072	3.060284	352.4084	28.89307
TS16_7_10_30	0.183	0.013	7.103825	0.633	0.035	5.529226	265	0.8712	0.709392	2.813788	334.0231	30.99513
TS16_7_11_30	0.165	0.011	6.666667	0.631	0.03	4.754358	265	0.8712	0.706952	2.413198	304.4014	25.6033
TS16_7_12_30	0.16	0.011	6.875	0.639	0.032	5.007825	265	0.8712	0.716712	2.568307	285.7621	25.02709
TS16_7_13_30	0.174	0.015	8.62069	0.655	0.035	5.343511	265	0.8712	0.736232	2.797441	289.2732	30.33455
TS16_7_1_31	0.234	0.015	6.410256	0.722	0.036	4.98615	265	0.8712	0.817974	2.840039	268.8929	23.47423
TS16_7_2_31	0.255	0.013	5.098039	0.7	0.034	4.857143	265	0.8712	0.791133	2.691862	334.5115	25.40693
TS16_7_3_31	0.223	0.018	8.071749	0.698	0.023	3.295129	265	0.8712	0.788693	1.821617	296.8245	26.84496
TS16_7_4_31	0.172	0.011	6.395349	0.679	0.027	3.976436	265	0.8712	0.765513	2.146314	254.8892	19.99487
TS16_7_5_31	0.172	0.013	7.55814	0.675	0.024	3.555556	265	0.8712	0.760633	1.909446	260.0883	22.43589
TS16_7_6_31	0.184	0.011	5.978261	0.653	0.027	4.134763	265	0.8712	0.733792	2.159095	308.2698	23.24439
TS16_7_7_31	0.182	0.011	6.043956	0.642	0.03	4.672897	265	0.8712	0.720372	2.405832	319.9972	25.29516
TS16_7_8_31	0.161	0.011	6.832298	0.657	0.025	3.805175	265	0.8712	0.738673	1.997196	265.6741	21.42976
TS16_7_9_31	0.1609	0.0094	5.842138	0.642	0.03	4.672897	265	0.8712	0.720372	2.405832	283.7023	21.91431
TS16_7_10_31	0.1463	0.0062	4.237867	0.649	0.026	4.006163	265	0.8712	0.728912	2.081232	250.7259	15.16911
TS16_7_11_31	0.1578	0.0081	5.13308	0.669	0.02	2.989537	265	0.8712	0.753313	1.593295	246.1801	15.14346
TS16_7_12_31	0.1662	0.0062	3.730445	0.681	0.018	2.643172	265	0.8712	0.767953	1.430285	243.9396	11.67667
TS16_7_13_31	0.1685	0.0049	2.908012	0.637	0.03	4.709576	265	0.8712	0.714272	2.409113	303.1237	17.44294

TS16_7_1_32	0.0758	0.0037	4.881266	0.432	0.021	4.861111	265	0.8712	0.464169	1.876736	256.6501	16.10201
TS16_7_2_32	0.0719	0.0032	4.450626	0.39	0.027	6.923077	265	0.8712	0.412928	2.510538	266.5199	18.23154
TS16_7_3_32	0.072	0.0041	5.694444	0.358	0.022	6.145251	265	0.8712	0.373888	2.121376	284.2451	20.6036
TS16_7_4_32	0.0687	0.0027	3.930131	0.356	0.017	4.775281	265	0.8712	0.371448	1.643308	272.5236	14.24566
TS16_7_5_32	0.0671	0.0029	4.321908	0.351	0.024	6.837607	265	0.8712	0.365348	2.334628	268.8372	17.4427
TS16_7_6_32	0.0677	0.0037	5.465288	0.339	0.022	6.489676	265	0.8712	0.350707	2.174163	277.3145	19.76016
TS16_7_7_32	0.0661	0.0034	5.143722	0.319	0.02	6.269592	265	0.8712	0.326307	2.033952	280.8579	18.79799
TS16_7_8_32	0.0711	0.0035	4.922644	0.31	0.014	4.516129	265	0.8712	0.315327	1.443725	306.414	17.88447
TS16_7_9_32	0.0675	0.0026	3.851852	0.323	0.014	4.334365	265	0.8712	0.331187	1.415285	284.6447	13.89604
TS16_7_10_32	0.0674	0.0018	2.670623	0.299	0.014	4.682274	265	0.8712	0.301907	1.469895	296.3939	12.03553
TS16_7_11_32	0.0673	0.0027	4.011887	0.301	0.016	5.315615	265	0.8712	0.304347	1.674266	294.9529	15.75214
TS16_7_12_32	0.0659	0.0034	5.159332	0.296	0.015	5.067568	265	0.8712	0.298247	1.582925	291.43	18.02049
TS16_7_13_32	0.0645	0.0027	4.186047	0.3065	0.008	2.610114	265	0.8712	0.311057	0.829618	280.2761	12.88602
TS16_7_1_33	0.0593	0.0062	10.45531	0.376	0.031	8.244681	265	0.8712	0.395848	2.926576	226.9098	27.61372
TS16_7_2_33	0.0497	0.0015	3.018109	0.332	0.014	4.216867	265	0.8712	0.342167	1.397023	207.3889	8.662492
TS16_7_3_33	0.0504	0.0013	2.579365	0.299	0.016	5.351171	265	0.8712	0.301907	1.67988	222.9112	9.599827
TS16_7_4_33	0.0489	0.0032	6.543967	0.267	0.016	5.992509	265	0.8712	0.262866	1.782027	228.2765	17.29175
TS16_7_5_33	0.051	0.0038	7.45098	0.321	0.026	8.099688	265	0.8712	0.328747	2.636208	216.9925	20.11221
TS16_7_6_33	0.0557	0.0022	3.949731	0.337	0.017	5.04451	265	0.8712	0.348267	1.684629	229.8671	12.13757
TS16_7_7_33	0.0513	0.0029	5.653021	0.3	0.017	5.666667	265	0.8712	0.303127	1.781879	226.433	15.38211
TS16_7_8_33	0.0479	0.0019	3.966597	0.303	0.028	9.240924	265	0.8712	0.306787	2.920281	210.5756	15.0948
TS16_7_9_33	0.0505	0.0023	4.554455	0.308	0.028	9.090909	265	0.8712	0.312887	2.896665	219.8921	16.46289
TS16_7_10_33	0.0498	0.0027	5.421687	0.294	0.027	9.183673	265	0.8712	0.295807	2.859088	222.1945	17.78929
TS16_7_11_33	0.0484	0.0015	3.099174	0.261	0.015	5.747126	265	0.8712	0.255546	1.691399	228.1877	10.64756
TS16_7_12_33	0.0465	0.002	4.301075	0.276	0.018	6.521739	265	0.8712	0.273846	1.969584	214.0763	12.68282
TS16_7_13_33	0.0464	0.0023	4.956897	0.278	0.023	8.273381	265	0.8712	0.276286	2.507116	212.9174	15.24494
TS16_7_1_34	0.079	0.0043	5.443038	0.495	0.039	7.878788	265	0.8712	0.54103	3.329338	229.6004	20.07084
TS16_7_2_34	0.0742	0.0046	6.199461	0.426	0.029	6.807512	265	0.8712	0.456849	2.605108	254.7035	21.00486
TS16_7_3_34	0.0688	0.0041	5.959302	0.397	0.02	5.037783	265	0.8712	0.421468	1.846315	251.6116	17.96325
TS16_7_4_34	0.066	0.0022	3.333333	0.386	0.022	5.699482	265	0.8712	0.408048	2.054295	247.0585	13.3111
TS16_7_5_34	0.0609	0.0029	4.761905	0.35	0.02	5.714286	265	0.8712	0.364128	1.948014	244.9228	15.34084
TS16_7_6_34	0.0577	0.0025	4.332756	0.355	0.017	4.788732	265	0.8712	0.370228	1.645359	230.0933	12.73228
TS16_7_7_34	0.0632	0.0039	6.170886	0.342	0.02	5.847953	265	0.8712	0.354367	1.968536	257.8145	19.22542
TS16_7_8_34	0.0682	0.0035	5.131965	0.334	0.016	4.790419	265	0.8712	0.344607	1.592128	281.8865	17.37903
TS16_7_9_34	0.0633	0.0031	4.897314	0.341	0.016	4.692082	265	0.8712	0.353147	1.576942	258.6926	15.35699
TS16_7_10_34	0.0637	0.0019	2.982732	0.315	0.013	4.126984	265	0.8712	0.321427	1.330163	272.7927	11.12721
TS16_7_11_34	0.0613	0.0026	4.241436	0.304	0.01	3.289474	265	0.8712	0.308007	1.041247	267.8108	12.90793

TS16_7_12_34	0.0591	0.0019	3.21489	0.303	0.011	3.630363	265	0.8712	0.306787	1.147253	258.8359	10.42288
TS16_7_13_34	0.0559	0.0019	3.398927	0.294	0.012	4.081633	265	0.8712	0.295807	1.270706	248.8921	10.76054
TS16_7_1_35	0.176	0.017	9.659091	0.658	0.043	6.534954	265	0.8712	0.739893	3.434345	288.5543	34.88275
TS16_7_2_35	0.1352	0.0055	4.068047	0.58	0.043	7.413793	265	0.8712	0.644731	3.518959	302.4299	25.12145
TS16_7_3_35	0.1164	0.0077	6.61512	0.566	0.033	5.830389	265	0.8712	0.627651	2.716005	273.5115	23.87096
TS16_7_4_35	0.1062	0.005	4.708098	0.541	0.037	6.839187	265	0.8712	0.597151	3.079901	270.0578	21.34701
TS16_7_5_35	0.1078	0.0044	4.081633	0.499	0.017	3.406814	265	0.8712	0.54591	1.44771	308.0775	15.7722
TS16_7_6_35	0.1023	0.0028	2.737048	0.502	0.017	3.386454	265	0.8712	0.54957	1.445108	290.4037	11.81316
TS16_7_7_35	0.0959	0.0033	3.441084	0.504	0.02	3.968254	265	0.8712	0.55201	1.698115	271.1682	13.37625
TS16_7_8_35	0.092	0.0029	3.152174	0.503	0.025	4.970179	265	0.8712	0.55079	2.123898	261.0551	14.07683
TS16_7_9_35	0.0908	0.0035	3.854626	0.481	0.025	5.197505	265	0.8712	0.52395	2.153386	272.7944	16.08533
TS16_7_10_35	0.0904	0.0033	3.650442	0.448	0.014	3.125	265	0.8712	0.483689	1.234944	294.0725	13.24781
TS16_7_11_35	0.085	0.0034	4	0.463	0.024	5.183585	265	0.8712	0.501989	2.093234	267.2648	15.78114
TS16_7_12_35	0.0819	0.0023	2.808303	0.464	0.015	3.232759	265	0.8712	0.503209	1.307324	257.0908	10.05621
TS16_7_13_35	0.0809	0.0025	3.090235	0.459	0.015	3.267974	265	0.8712	0.497109	1.312115	257.0704	10.62386
TS16_7_1_36	0.1376	0.0074	5.377907	0.594	0.023	3.872054	265	0.8712	0.661812	1.872372	293.2116	19.62865
TS16_7_2_36	0.1264	0.0072	5.696203	0.575	0.02	3.478261	265	0.8712	0.638631	1.63997	287.9261	19.32549
TS16_7_3_36	0.1162	0.0047	4.04475	0.545	0.027	4.954128	265	0.8712	0.602031	2.24319	291.4207	17.98211
TS16_7_4_36	0.106	0.0051	4.811321	0.518	0.021	4.054054	265	0.8712	0.56909	1.7689	287.9225	17.56058
TS16_7_5_36	0.0941	0.0027	2.869288	0.52	0.027	5.192308	265	0.8712	0.57153	2.271824	254.81	13.95205
TS16_7_6_36	0.0926	0.0022	2.37581	0.511	0.028	5.479452	265	0.8712	0.56055	2.367757	257.1274	13.88317
TS16_7_7_36	0.0869	0.004	4.602992	0.488	0.03	6.147541	265	0.8712	0.53249	2.572314	256.716	18.05402
TS16_7_8_36	0.083	0.0051	6.144578	0.51	0.028	5.490196	265	0.8712	0.55933	2.369105	231.5719	18.26904
TS16_7_9_36	0.0833	0.0038	4.561825	0.501	0.041	8.183633	265	0.8712	0.54835	3.48734	238.0789	20.18094
TS16_7_10_36	0.0838	0.0047	5.608592	0.492	0.027	5.487805	265	0.8712	0.53737	2.309229	245.1944	18.13203
TS16_7_11_36	0.0829	0.0043	5.186972	0.511	0.02	3.913894	265	0.8712	0.56055	1.691255	230.6688	14.52623
TS16_7_12_36	0.0811	0.0034	4.192355	0.495	0.028	5.656566	265	0.8712	0.54103	2.390294	235.5935	15.23916
TS16_7_13_36	0.0809	0.0032	3.955501	0.48	0.03	6.25	265	0.8712	0.52273	2.585781	244.2186	16.18538
TS16_7_1_37	0.147	0.011	7.482993	0.654	0.035	5.351682	265	0.8712	0.735012	2.798132	246.3409	23.42136
TS16_7_2_37	0.1232	0.0055	4.464286	0.621	0.025	4.025765	265	0.8712	0.694752	2.01698	237.9802	14.57006
TS16_7_3_37	0.1188	0.0047	3.956229	0.618	0.019	3.074434	265	0.8712	0.691092	1.534328	232.3348	11.83392
TS16_7_4_37	0.1207	0.0052	4.308202	0.575	0.029	5.043478	265	0.8712	0.638631	2.377956	275.2153	18.01808
TS16_7_5_37	0.0999	0.0043	4.304304	0.561	0.029	5.16934	265	0.8712	0.621551	2.391911	239.2257	15.66485
TS16_7_6_37	0.0948	0.0035	3.691983	0.549	0.021	3.825137	265	0.8712	0.606911	1.741433	235.8569	12.18118
TS16_7_7_37	0.086	0.0032	3.72093	0.517	0.022	4.255319	265	0.8712	0.56787	1.85415	235.2248	12.57294
TS16_7_8_37	0.0858	0.0027	3.146853	0.484	0.015	3.099174	265	0.8712	0.52761	1.289485	256.124	10.62177
TS16_7_9_37	0.0872	0.0015	1.720183	0.517	0.02	3.868472	265	0.8712	0.56787	1.685591	238.4471	9.186922

TS16_7_10_37	0.089	0.0024	2.696629	0.516	0.024	4.651163	265	0.8712	0.56665	2.023826	243.9514	12.08103
TS16_7_11_37	0.0846	0.0037	4.373522	0.518	0.021	4.054054	265	0.8712	0.56909	1.7689	230.8216	13.20607
TS16_7_12_37	0.077	0.0028	3.636364	0.49	0.023	4.693878	265	0.8712	0.53493	1.9696	226.8114	12.36396
TS16_7_13_37	0.0749	0.0028	3.738318	0.461	0.017	3.687636	265	0.8712	0.499549	1.484873	237.2172	11.52623
TS16_7_1_38	0.145	0.028	19.31034	0.635	0.042	6.614173	265	0.8712	0.711832	3.37464	263.8836	54.86558
TS16_7_2_38	0.0908	0.0047	5.176211	0.516	0.02	3.875969	265	0.8712	0.56665	1.686521	248.7913	15.65235
TS16_7_3_38	0.0783	0.0026	3.320562	0.464	0.021	4.525862	265	0.8712	0.503209	1.830254	246.003	12.38105
TS16_7_4_38	0.0705	0.0022	3.120567	0.412	0.019	4.61165	265	0.8712	0.439769	1.728569	249.7101	11.84685
TS16_7_5_38	0.0606	0.0027	4.455446	0.345	0.019	5.507246	265	0.8712	0.358027	1.86268	246.033	14.54858
TS16_7_6_38	0.056	0.0016	2.857143	0.305	0.01	3.278689	265	0.8712	0.309227	1.039548	244.6662	8.805521
TS16_7_7_38	0.0544	0.0016	2.941176	0.289	0.016	5.536332	265	0.8712	0.289707	1.709205	244.3973	11.22303
TS16_7_8_38	0.055	0.0019	3.454545	0.274	0.015	5.474453	265	0.8712	0.271406	1.647661	253.2833	12.32118
TS16_7_9_38	0.0537	0.0018	3.351955	0.262	0.012	4.580153	265	0.8712	0.256766	1.350297	252.2854	11.06545
TS16_7_10_38	0.0539	0.0015	2.782931	0.244	0.008	3.278689	265	0.8712	0.234806	0.936574	260.539	8.912921
TS16_7_11_38	0.0563	0.0015	2.664298	0.2482	0.0092	3.706688	265	0.8712	0.23993	1.066724	270.1156	9.408663
TS16_7_12_38	0.0561	0.0014	2.495544	0.2572	0.0072	2.799378	265	0.8712	0.25091	0.818434	265.3662	8.079983
TS16_7_13_38	0.0521	0.0015	2.879079	0.268	0.011	4.104478	265	0.8712	0.264086	1.222678	242.5422	9.329603
TS16_7_1_39	0.212	0.014	6.603774	0.68	0.052	7.647059	265	0.8712	0.766733	4.132785	311.1602	33.63924
TS16_7_2_39	0.1736	0.0083	4.781106	0.642	0.042	6.542056	265	0.8712	0.720372	3.368165	305.5725	25.79819
TS16_7_3_39	0.156	0.0097	6.217949	0.655	0.04	6.10687	265	0.8712	0.736232	3.197075	259.9432	23.61474
TS16_7_4_39	0.1457	0.0058	3.980782	0.65	0.035	5.384615	265	0.8712	0.730132	2.800943	248.6148	17.39567
TS16_7_5_39	0.1499	0.0036	2.401601	0.608	0.028	4.605263	265	0.8712	0.678892	2.268402	303.056	15.90845
TS16_7_6_39	0.1347	0.0077	5.716407	0.592	0.029	4.898649	265	0.8712	0.659371	2.362528	289.1938	21.89898
TS16_7_7_39	0.1329	0.0076	5.718585	0.609	0.029	4.761905	265	0.8712	0.680112	2.348639	268.3919	20.24964
TS16_7_8_39	0.1278	0.0072	5.633803	0.625	0.032	5.12	265	0.8712	0.699632	2.578612	242.8272	18.87286
TS16_7_9_39	0.1306	0.0073	5.589587	0.573	0.03	5.235602	265	0.8712	0.636191	2.461944	299.2374	22.77547
TS16_7_10_39	0.1251	0.0072	5.755396	0.588	0.04	6.802721	265	0.8712	0.654491	3.263469	272.7805	24.20137
TS16_7_11_39	0.1229	0.0065	5.288853	0.577	0.04	6.932409	265	0.8712	0.641071	3.27732	278.273	23.90584
TS16_7_12_39	0.1236	0.0067	5.420712	0.526	0.028	5.323194	265	0.8712	0.57885	2.348439	327.1203	24.02339
TS16_7_13_39	0.1223	0.0059	4.824203	0.548	0.021	3.832117	265	0.8712	0.605691	1.742243	303.6088	18.47355
TS16_7_1_40	0.0671	0.0029	4.321908	0.272	0.016	5.882353	265	0.8712	0.268966	1.764374	308.701	17.61898
TS16_7_2_40	0.0649	0.0021	3.235747	0.2592	0.0099	3.819444	265	0.8712	0.25335	1.120563	305.045	12.28372
TS16_7_3_40	0.0681	0.0024	3.524229	0.264	0.012	4.545455	265	0.8712	0.259206	1.34472	317.2719	14.40108
TS16_7_4_40	0.0696	0.0024	3.448276	0.275	0.013	4.727273	265	0.8712	0.272626	1.425214	318.3589	14.58403
TS16_7_5_40	0.0714	0.0038	5.322129	0.2994	0.0094	3.139613	265	0.8712	0.302395	0.986266	313.349	18.19904
TS16_7_6_40	0.0741	0.0031	4.183536	0.308	0.017	5.519481	265	0.8712	0.312887	1.758689	320.1373	17.9146
TS16_7_7_40	0.0748	0.0025	3.342246	0.313	0.017	5.43131	265	0.8712	0.318987	1.744847	320.2887	15.84789

TS16_7_8_40	0.0779	0.0033	4.2362	0.311	0.011	3.536977	265	0.8712	0.316547	1.132564	334.3889	16.46614
TS16_7_9_40	0.0764	0.0028	3.664921	0.32	0.014	4.375	265	0.8712	0.327527	1.421624	322.9697	15.34431
TS16_7_10_40	0.0799	0.0037	4.630788	0.323	0.016	4.95356	265	0.8712	0.331187	1.617469	335.5954	19.42995
TS16_7_11_40	0.0879	0.0032	3.640501	0.353	0.028	7.932011	265	0.8712	0.367788	2.716824	348.6369	23.38789
TS16_7_12_40	0.0872	0.0042	4.816514	0.358	0.021	5.865922	265	0.8712	0.373888	2.02495	342.683	22.11018
TS16_7_13_40	0.0795	0.0041	5.157233	0.358	0.021	5.865922	265	0.8712	0.373888	2.02495	313.1458	21.00669
TS16_7_1_41	0.0702	0.0026	3.703704	0.416	0.02	4.807692	265	0.8712	0.444649	1.812803	246.5426	13.0124
TS16_7_2_41	0.0652	0.0012	1.840491	0.368	0.012	3.26087	265	0.8712	0.386088	1.143308	253.0008	7.569553
TS16_7_3_41	0.062	0.0019	3.064516	0.342	0.01	2.923977	265	0.8712	0.354367	0.984268	253.0141	9.391941
TS16_7_4_41	0.0597	0.0016	2.680067	0.332	0.014	4.216867	265	0.8712	0.342167	1.397023	248.3227	9.794243
TS16_7_5_41	0.0591	0.0012	2.030457	0.3014	0.0088	2.919708	265	0.8712	0.304835	0.920234	259.5503	7.2539
TS16_7_6_41	0.0591	0.001	1.692047	0.3027	0.0075	2.477701	265	0.8712	0.306421	0.782605	258.9698	6.087833
TS16_7_7_41	0.0573	0.0012	2.094241	0.2917	0.0072	2.468289	265	0.8712	0.293001	0.765484	256	6.77114
TS16_7_8_41	0.0576	0.0012	2.083333	0.2896	0.009	3.107735	265	0.8712	0.290439	0.960404	258.228	7.461585
TS16_7_9_41	0.0568	0.0011	1.93662	0.2837	0.009	3.172365	265	0.8712	0.28324	0.970677	257.2444	7.192633
TS16_7_10_41	0.0559	0.0011	1.9678	0.284	0.0097	3.415493	265	0.8712	0.283606	1.045599	253.1206	7.408607
TS16_7_11_41	0.0556	0.0013	2.338129	0.2825	0.0075	2.654867	265	0.8712	0.281776	0.810686	252.4191	7.320371
TS16_7_12_41	0.0566	0.0017	3.003534	0.2761	0.0066	2.390438	265	0.8712	0.273968	0.722042	259.6068	8.822333
TS16_7_13_41	0.0569	0.0016	2.811951	0.2775	0.0095	3.423423	265	0.8712	0.275676	1.036531	260.3536	9.274988
TS16_7_1_42	0.0627	0.002	3.189793	0.24	0.012	5	265	0.8712	0.229926	1.418165	303.9756	13.27211
TS16_7_2_42	0.0663	0.0034	5.128205	0.2303	0.0091	3.951368	265	0.8712	0.218092	1.101451	325.8115	18.62507
TS16_7_3_42	0.0675	0.0025	3.703704	0.257	0.019	7.392996	265	0.8712	0.250666	2.160684	318.0818	18.5306
TS16_7_4_42	0.0629	0.0026	4.133545	0.238	0.018	7.563025	265	0.8712	0.227486	2.137492	305.8662	18.60009
TS16_7_5_42	0.057	0.0024	4.210526	0.23	0.011	4.782609	265	0.8712	0.217726	1.332441	281.2191	14.30736
TS16_7_6_42	0.0565	0.0023	4.070796	0.218	0.012	5.504587	265	0.8712	0.203085	1.500621	283.9095	14.66307
TS16_7_7_42	0.0565	0.0023	4.070796	0.2118	0.0099	4.674221	265	0.8712	0.195521	1.259904	286.5452	14.01277
TS16_7_8_42	0.0637	0.0029	4.55259	0.237	0.017	7.172996	265	0.8712	0.226266	2.023645	310.1419	19.3252
TS16_7_9_42	0.0702	0.0025	3.561254	0.272	0.017	6.25	265	0.8712	0.268966	1.874648	322.6118	17.08424
TS16_7_10_42	0.0725	0.002	2.758621	0.315	0.013	4.126984	265	0.8712	0.321427	1.330163	309.5869	12.14269
TS16_7_11_42	0.0758	0.0026	3.430079	0.323	0.017	5.263158	265	0.8712	0.331187	1.718561	318.7933	15.84977
TS16_7_12_42	0.0792	0.0025	3.156566	0.318	0.016	5.031447	265	0.8712	0.325087	1.629626	335.687	15.61557
TS16_7_13_42	0.0801	0.0031	3.870162	0.322	0.014	4.347826	265	0.8712	0.329967	1.417384	337.0118	16.5762
TS16_7_1_43	0.424	0.046	10.84906	0.759	0.063	8.300395	265	0.8712	0.863114	4.947123	363.6922	54.70424
TS16_7_2_43	0.307	0.019	6.188925	0.738	0.053	7.181572	265	0.8712	0.837494	4.171964	313.8425	33.32439
TS16_7_3_43	0.277	0.019	6.859206	0.747	0.047	6.291834	265	0.8712	0.848474	3.695592	265.0491	27.22588
TS16_7_4_43	0.26	0.013	5	0.72	0.049	6.805556	265	0.8712	0.815534	3.866762	301.9928	28.40982
TS16_7_5_43	0.236	0.017	7.20339	0.682	0.063	9.237537	265	0.8712	0.769173	5.004976	341.9384	43.1628

TS16_7_6_43	0.216	0.012	5.555556	0.659	0.055	8.345979	265	0.8712	0.741113	4.391712	350.7631	37.3561
TS16_7_7_43	0.229	0.018	7.860262	0.677	0.038	5.612999	265	0.8712	0.763073	3.022004	340.6002	34.58678
TS16_7_8_43	0.2	0.016	8	0.686	0.041	5.976676	265	0.8712	0.774053	3.254595	284.9193	29.9746
TS16_7_9_43	0.192	0.012	6.25	0.661	0.046	6.959153	265	0.8712	0.743553	3.671321	309.8411	30.53348
TS16_7_10_43	0.174	0.018	10.34483	0.724	0.032	4.41989	265	0.8712	0.820414	2.523739	198.3546	23.14497
TS16_7_11_43	0.1626	0.0097	5.96556	0.676	0.037	5.473373	265	0.8712	0.761853	2.943101	244.911	20.88614
TS16_7_12_43	0.1694	0.0085	5.01771	0.645	0.04	6.20155	265	0.8712	0.724032	3.205221	294.5308	24.48652
TS16_7_13_43	0.1757	0.0093	5.293113	0.635	0.047	7.401575	265	0.8712	0.711832	3.776383	318.395	30.03236
TS16_7_1_44	0.0553	0.0026	4.701627	0.198	0.013	6.565657	265	0.8712	0.178685	1.725348	286.3335	17.05291
TS16_7_2_44	0.0584	0.0022	3.767123	0.198	0.015	7.575758	265	0.8712	0.178685	1.990787	302.0144	16.92585
TS16_7_3_44	0.0598	0.002	3.344482	0.225	0.011	4.888889	265	0.8712	0.211626	1.349817	296.9684	13.04932
TS16_7_4_44	0.0608	0.002	3.289474	0.2259	0.0099	4.38247	265	0.8712	0.212724	1.211966	301.4092	12.59598
TS16_7_5_44	0.0614	0.0021	3.420195	0.2307	0.0082	3.5544	265	0.8712	0.21858	0.991508	302.1031	12.21632
TS16_7_6_44	0.0629	0.0017	2.702703	0.241	0.011	4.564315	265	0.8712	0.231146	1.296896	304.4508	11.66769
TS16_7_7_44	0.0638	0.0018	2.821317	0.252	0.011	4.365079	265	0.8712	0.244566	1.264626	303.4408	11.7617
TS16_7_8_44	0.0649	0.0021	3.235747	0.258	0.01	3.875969	265	0.8712	0.251886	1.134772	305.6292	12.35854
TS16_7_9_44	0.0657	0.0026	3.957382	0.2624	0.0093	3.544207	265	0.8712	0.257254	1.04561	307.1403	14.06483
TS16_7_10_44	0.065	0.0018	2.769231	0.266	0.013	4.887218	265	0.8712	0.261646	1.450834	302.1879	12.39749
TS16_7_11_44	0.0658	0.0016	2.431611	0.2585	0.0087	3.365571	265	0.8712	0.252496	0.986201	309.5207	9.91985
TS16_7_12_44	0.0652	0.0019	2.91411	0.2433	0.0095	3.904644	265	0.8712	0.233952	1.113998	314.1922	11.80001
TS16_7_13_44	0.0651	0.0021	3.225806	0.24	0.012	5	265	0.8712	0.229926	1.418165	315.3309	13.86659
TS16_7_1_45	0.0937	0.0048	5.122732	0.568	0.039	6.866197	265	0.8712	0.630091	3.207128	219.6507	18.31544
TS16_7_2_45	0.1021	0.0061	5.974535	0.615	0.043	6.99187	265	0.8712	0.687432	3.475708	202.5113	18.82949
TS16_7_3_45	0.1119	0.0057	5.093834	0.6	0.048	8	265	0.8712	0.669132	3.899268	234.3609	22.19353
TS16_7_4_45	0.1188	0.0056	4.713805	0.568	0.047	8.274648	265	0.8712	0.630091	3.865	277.2408	25.59776
TS16_7_5_45	0.1172	0.0052	4.43686	0.574	0.039	6.794425	265	0.8712	0.637411	3.19923	268.2822	21.29474
TS16_7_6_45	0.1204	0.0059	4.900332	0.638	0.063	9.874608	265	0.8712	0.715492	5.057741	217.1224	24.7724
TS16_7_7_45	0.1134	0.0065	5.731922	0.6	0.059	9.833333	265	0.8712	0.669132	4.792851	237.4453	26.95765
TS16_7_8_45	0.1132	0.0081	7.155477	0.585	0.049	8.376068	265	0.8712	0.650831	4.002265	249.8935	27.29885
TS16_7_9_45	0.1244	0.0068	5.466238	0.6	0.042	7	265	0.8712	0.669132	3.41186	260.0194	23.15699
TS16_7_10_45	0.1245	0.0071	5.702811	0.62	0.034	5.483871	265	0.8712	0.693532	2.743936	241.3883	19.43746
TS16_7_11_45	0.1151	0.0068	5.907906	0.604	0.043	7.119205	265	0.8712	0.674012	3.488296	237.4502	22.07461
TS16_7_12_45	0.1183	0.0062	5.240913	0.574	0.03	5.226481	265	0.8712	0.637411	2.460946	270.748	19.85002
TS16_7_13_45	0.1154	0.0042	3.639515	0.625	0.034	5.44	265	0.8712	0.699632	2.739775	219.6632	14.68197
TS16_7_1_46	0.1363	0.006	4.402054	0.685	0.035	5.109489	265	0.8712	0.772833	2.778864	196.5717	14.13586
TS16_7_2_46	0.1368	0.0058	4.239766	0.669	0.035	5.231689	265	0.8712	0.753313	2.788266	213.9558	15.22162
TS16_7_3_46	0.1408	0.005	3.551136	0.658	0.036	5.471125	265	0.8712	0.739893	2.875266	231.8675	15.93661

TS16_7_4_46	0.1415	0.0056	3.957597	0.633	0.031	4.897314	265	0.8712	0.709392	2.492213	259.7778	16.84922
TS16_7_5_46	0.1354	0.0056	4.135894	0.624	0.037	5.929487	265	0.8712	0.698412	2.982414	258.0067	19.07879
TS16_7_6_46	0.1358	0.0048	3.53461	0.622	0.025	4.019293	265	0.8712	0.695972	2.016365	260.8055	14.25668
TS16_7_7_46	0.1407	0.0051	3.624733	0.609	0.024	3.940887	265	0.8712	0.680112	1.943701	283.8021	15.403
TS16_7_8_46	0.1409	0.0064	4.542229	0.6	0.031	5.166667	265	0.8712	0.669132	2.518277	293.7329	20.35034
TS16_7_9_46	0.1339	0.0057	4.256908	0.607	0.027	4.448105	265	0.8712	0.677672	2.188115	272.3889	16.96371
TS16_7_10_46	0.127	0.0055	4.330709	0.614	0.031	5.04886	265	0.8712	0.686212	2.506542	251.9099	16.99609
TS16_7_11_46	0.1262	0.0046	3.645008	0.617	0.034	5.510535	265	0.8712	0.689872	2.746499	247.4887	16.61114
TS16_7_12_46	0.1372	0.007	5.102041	0.622	0.032	5.144695	265	0.8712	0.695972	2.580947	263.44	19.48658
TS16_7_13_46	0.1341	0.0037	2.759135	0.63	0.026	4.126984	265	0.8712	0.705732	2.092043	249.4931	12.73695
TS16_7_1_47	0.0651	0.003	4.608295	0.269	0.017	6.319703	265	0.8712	0.265306	1.885812	301.1764	18.33439
TS16_7_2_47	0.0713	0.004	5.610098	0.284	0.024	8.450704	265	0.8712	0.283606	2.58705	321.1418	25.08082
TS16_7_3_47	0.0705	0.0048	6.808511	0.321	0.023	7.165109	265	0.8712	0.328747	2.33203	298.0674	25.12754
TS16_7_4_47	0.0738	0.0024	3.252033	0.313	0.02	6.389776	265	0.8712	0.318987	2.052761	316.1101	16.9465
TS16_7_5_47	0.074	0.0045	6.081081	0.297	0.018	6.060606	265	0.8712	0.299467	1.896272	325.805	23.90552
TS16_7_6_47	0.0765	0.0054	7.058824	0.309	0.029	9.385113	265	0.8712	0.314107	2.995328	329.6733	31.24004
TS16_7_7_47	0.0727	0.0034	4.676754	0.29	0.019	6.551724	265	0.8712	0.290927	2.026083	324.0285	20.53083
TS16_7_8_47	0.0676	0.0028	4.142012	0.312	0.02	6.410256	265	0.8712	0.317767	2.055973	290.65	17.32862
TS16_7_9_47	0.0709	0.003	4.231312	0.285	0.015	5.263158	265	0.8712	0.284826	1.613957	318.8534	17.37255
TS16_7_10_47	0.0724	0.0021	2.900552	0.3005	0.0099	3.294509	265	0.8712	0.303737	1.036816	317.035	11.57622
TS16_7_11_47	0.0767	0.0038	4.954368	0.33	0.024	7.272727	265	0.8712	0.339727	2.40169	318.4676	22.48878
TS16_7_12_47	0.0836	0.0049	5.861244	0.405	0.034	8.395062	265	0.8712	0.431228	3.113957	299.4581	26.16144
TS16_7_13_47	0.0958	0.0062	6.471816	0.425	0.034	8	265	0.8712	0.455629	3.056943	327.7126	29.86143
TS16_7_1_48	0.227	0.041	18.06167	0.702	0.039	5.555556	265	0.8712	0.793573	3.086637	295.2079	57.40167
TS16_7_2_48	0.153	0.016	10.45752	0.633	0.043	6.793049	265	0.8712	0.709392	3.45694	280.4376	35.83293
TS16_7_3_48	0.1137	0.0079	6.948109	0.533	0.032	6.003752	265	0.8712	0.587391	2.674268	295.5455	26.46315
TS16_7_4_48	0.0957	0.0055	5.747126	0.481	0.032	6.652807	265	0.8712	0.52395	2.756334	287.1925	23.34565
TS16_7_5_48	0.0842	0.004	4.750594	0.446	0.031	6.950673	265	0.8712	0.481249	2.738826	275.5958	20.3837
TS16_7_6_48	0.0776	0.0038	4.896907	0.399	0.019	4.761905	265	0.8712	0.423908	1.750475	281.9292	17.32447
TS16_7_7_48	0.0712	0.0026	3.651685	0.392	0.019	4.846939	265	0.8712	0.415368	1.762998	262.9025	13.60686
TS16_7_8_48	0.0702	0.0024	3.418803	0.365	0.016	4.383562	265	0.8712	0.382428	1.529812	273.5865	12.80951
TS16_7_9_48	0.0692	0.0027	3.901734	0.343	0.014	4.081633	265	0.8712	0.355587	1.376138	281.242	13.71134
TS16_7_10_48	0.0633	0.0023	3.633491	0.333	0.012	3.603604	265	0.8712	0.343387	1.195766	262.5175	11.64445
TS16_7_11_48	0.0651	0.0022	3.379416	0.34	0.01	2.941176	265	0.8712	0.351927	0.986918	266.3904	10.63516
TS16_7_12_48	0.0644	0.0026	4.037267	0.35	0.02	5.714286	265	0.8712	0.364128	1.948014	258.72	14.79392
TS16_7_13_48	0.059	0.0018	3.050847	0.323	0.016	4.95356	265	0.8712	0.331187	1.617469	249.4847	11.30121
TS16_7_1_49	0.304	0.021	6.907895	0.772	0.045	5.829016	265	0.8712	0.878974	3.529247	232.9162	23.38167

TS16_7_2_49	0.2675	0.0093	3.476636	0.72	0.049	6.805556	265	0.8712	0.815534	3.866762	310.4976	26.91535
TS16_7_3_49	0.251	0.014	5.577689	0.678	0.041	6.047198	265	0.8712	0.764293	3.259898	370.5302	32.64057
TS16_7_4_49	0.204	0.015	7.352941	0.665	0.048	7.218045	265	0.8712	0.748433	3.827375	322.619	35.01944
TS16_7_5_49	0.156	0.013	8.333333	0.653	0.053	8.116386	265	0.8712	0.733792	4.238224	262.2996	31.74361
TS16_7_6_49	0.1305	0.009	6.896552	0.605	0.044	7.272727	265	0.8712	0.675232	3.568211	267.5825	27.05757
TS16_7_7_49	0.1068	0.0053	4.962547	0.528	0.03	5.681818	265	0.8712	0.58129	2.513559	282.0124	20.33117
TS16_7_8_49	0.0959	0.0045	4.692388	0.513	0.024	4.678363	265	0.8712	0.56299	2.027214	264.6565	16.73213
TS16_7_9_49	0.085	0.0034	4	0.51	0.028	5.490196	265	0.8712	0.55933	2.369105	237.0506	14.95541
TS16_7_10_49	0.0856	0.0032	3.738318	0.489	0.03	6.134969	265	0.8712	0.53371	2.570674	252.3026	16.33556
TS16_7_11_49	0.082	0.0026	3.170732	0.477	0.024	5.031447	265	0.8712	0.51907	2.072794	249.3379	13.25461
TS16_7_12_49	0.0798	0.0025	3.132832	0.475	0.021	4.421053	265	0.8712	0.51663	1.816162	243.9814	11.91635
TS16_7_13_49	0.0823	0.0032	3.888214	0.468	0.03	6.410256	265	0.8712	0.508089	2.60718	255.8338	16.95286
TS16_7_1_50	0.168	0.0048	2.857143	0.688	0.024	3.488372	265	0.8712	0.776493	1.904382	237.6236	11.51479
TS16_7_2_50	0.1585	0.0036	2.271293	0.688	0.033	4.796512	265	0.8712	0.776493	2.618525	224.4177	13.02302
TS16_7_3_50	0.1595	0.0047	2.946708	0.661	0.043	6.505295	265	0.8712	0.743553	3.431887	258.43	19.66574
TS16_7_4_50	0.1602	0.0053	3.308365	0.663	0.041	6.184012	265	0.8712	0.745993	3.27073	257.1208	19.20051
TS16_7_5_50	0.1561	0.0062	3.971813	0.647	0.032	4.945904	265	0.8712	0.726472	2.562838	269.5327	17.82353
TS16_7_6_50	0.1487	0.0062	4.169469	0.648	0.023	3.549383	265	0.8712	0.727692	1.841563	255.8828	14.5054
TS16_7_7_50	0.1451	0.0064	4.410751	0.616	0.032	5.194805	265	0.8712	0.688652	2.585754	284.8405	19.76438
TS16_7_8_50	0.1324	0.0058	4.380665	0.685	0.038	5.547445	265	0.8712	0.772833	3.017052	191.0296	14.44125
TS16_7_9_50	0.1352	0.0078	5.769231	0.651	0.04	6.144393	265	0.8712	0.731352	3.200266	229.9893	20.14419
TS16_7_10_50	0.1388	0.0068	4.899135	0.611	0.023	3.764321	265	0.8712	0.682552	1.861494	277.961	17.45401
TS16_7_11_50	0.1365	0.0051	3.736264	0.612	0.027	4.411765	265	0.8712	0.683772	2.184523	272.4223	15.9767
TS16_7_12_50	0.1367	0.0043	3.145574	0.618	0.024	3.883495	265	0.8712	0.691092	1.938098	266.6268	13.57465
TS16_7_13_50	0.1356	0.0031	2.286136	0.607	0.022	3.624382	265	0.8712	0.677672	1.782908	275.7743	11.92349
TS16_7_1_51	0.222	0.01	4.504505	0.727	0.029	3.988996	265	0.8712	0.824074	2.286155	246.9768	16.13946
TS16_7_2_51	0.203	0.013	6.403941	0.744	0.034	4.569892	265	0.8712	0.844814	2.67436	199.9468	16.92238
TS16_7_3_51	0.1849	0.0089	4.813413	0.719	0.035	4.867872	265	0.8712	0.814314	2.76239	217.6128	16.19739
TS16_7_4_51	0.1757	0.0069	3.927149	0.693	0.022	3.174603	265	0.8712	0.782593	1.744018	241.656	12.92097
TS16_7_5_51	0.1648	0.0063	3.822816	0.671	0.024	3.576751	265	0.8712	0.755753	1.911106	254.3945	14.0119
TS16_7_6_51	0.1523	0.0055	3.611293	0.652	0.029	4.447853	265	0.8712	0.732572	2.319609	257.3514	15.41755
TS16_7_7_51	0.1499	0.0064	4.269513	0.641	0.034	5.304212	265	0.8712	0.719152	2.727344	265.8309	18.7715
TS16_7_8_51	0.1388	0.0081	5.835735	0.642	0.039	6.074766	265	0.8712	0.720372	3.127582	245.467	21.36843
TS16_7_9_51	0.1377	0.0058	4.212055	0.604	0.03	4.966887	265	0.8712	0.674012	2.433695	283.0638	18.59945
TS16_7_10_51	0.1329	0.0077	5.79383	0.612	0.034	5.555556	265	0.8712	0.683772	2.75088	265.3834	21.61
TS16_7_11_51	0.1298	0.0048	3.697997	0.59	0.021	3.559322	265	0.8712	0.656931	1.712051	280.8529	14.4511
TS16_7_12_51	0.1275	0.0048	3.764706	0.602	0.031	5.149502	265	0.8712	0.671572	2.516537	264.4423	16.94429

TS16_7_13_51	0.124	0.0063	5.080645	0.601	0.027	4.492512	265	0.8712	0.670352	2.192578	258.263	17.66067
TS16_7_1_52	0.0699	0.0029	4.148784	0.386	0.021	5.440415	265	0.8712	0.408048	1.960918	261.3653	15.21013
TS16_7_2_52	0.0683	0.0042	6.149341	0.339	0.013	3.834808	265	0.8712	0.350707	1.284733	279.7196	19.02439
TS16_7_3_52	0.0675	0.004	5.925926	0.35	0.016	4.571429	265	0.8712	0.364128	1.558412	270.9157	18.49945
TS16_7_4_52	0.0641	0.0032	4.9922	0.334	0.018	5.389222	265	0.8712	0.344607	1.791144	265.284	16.61897
TS16_7_5_52	0.0613	0.0023	3.752039	0.317	0.011	3.470032	265	0.8712	0.323867	1.122074	261.7956	11.67061
TS16_7_6_52	0.0602	0.0018	2.990033	0.32	0.01	3.125	265	0.8712	0.327527	1.015446	255.8253	9.425918
TS16_7_7_52	0.0597	0.0018	3.015075	0.319	0.013	4.075235	265	0.8712	0.326307	1.322069	254.1932	10.38907
TS16_7_8_52	0.0596	0.0014	2.348993	0.322	0.013	4.037267	265	0.8712	0.329967	1.316142	252.4236	9.075734
TS16_7_9_52	0.0611	0.0024	3.927987	0.317	0.011	3.470032	265	0.8712	0.323867	1.122074	260.9585	12.03635
TS16_7_10_52	0.056	0.0022	3.928571	0.3	0.01	3.333333	265	0.8712	0.303127	1.048164	246.786	11.19245
TS16_7_11_52	0.0606	0.0014	2.310231	0.313	0.013	4.153355	265	0.8712	0.318987	1.334295	260.6965	9.383474
TS16_7_12_52	0.0607	0.0016	2.635914	0.305	0.013	4.262295	265	0.8712	0.309227	1.351412	264.7845	10.19663
TS16_7_13_52	0.0586	0.0017	2.901024	0.294	0.011	3.741497	265	0.8712	0.295807	1.164814	260.6738	9.889886
TS16_7_1_53	0.0818	0.0063	7.701711	0.497	0.028	5.633803	265	0.8712	0.54347	2.387362	236.3497	21.77793
TS16_7_2_53	0.0696	0.0038	5.45977	0.448	0.028	6.25	265	0.8712	0.483689	2.469889	227.5883	17.0336
TS16_7_3_53	0.0673	0.0025	3.71471	0.42	0.02	4.761905	265	0.8712	0.449529	1.806218	234.5011	12.36271
TS16_7_4_53	0.0645	0.0027	4.186047	0.382	0.026	6.806283	265	0.8712	0.403168	2.438304	243.5016	15.92909
TS16_7_5_53	0.0595	0.0022	3.697479	0.353	0.019	5.382436	265	0.8712	0.367788	1.843559	238.0428	12.64982
TS16_7_6_53	0.0579	0.001	1.727116	0.36	0.011	3.055556	265	0.8712	0.376328	1.058093	228.6796	6.355395
TS16_7_7_53	0.0581	0.0014	2.409639	0.343	0.012	3.498542	265	0.8712	0.355587	1.179547	236.9476	8.133861
TS16_7_8_53	0.0579	0.0017	2.936097	0.333	0.016	4.804805	265	0.8712	0.343387	1.594355	240.5351	10.61439
TS16_7_9_53	0.0578	0.0015	2.595156	0.346	0.013	3.757225	265	0.8712	0.359247	1.272792	234.4313	8.673114
TS16_7_10_53	0.0562	0.002	3.558719	0.335	0.015	4.477612	265	0.8712	0.345827	1.490545	232.7466	10.99295
TS16_7_11_53	0.0559	0.0019	3.398927	0.323	0.011	3.405573	265	0.8712	0.331187	1.11201	236.6137	9.782131
TS16_7_12_53	0.0561	0.0019	3.386809	0.317	0.016	5.047319	265	0.8712	0.323867	1.632108	239.9959	11.49141
TS16_7_13_53	0.0553	0.0018	3.254973	0.325	0.013	4	265	0.8712	0.333627	1.310336	233.2807	9.919344
TS16_7_1_54	0.09	0.0048	5.333333	0.543	0.025	4.604052	265	0.8712	0.599591	2.079009	228.2205	15.69111
TS16_7_2_54	0.0962	0.0061	6.340956	0.561	0.033	5.882353	265	0.8712	0.621551	2.72183	230.522	19.58378
TS16_7_3_54	0.1024	0.0042	4.101563	0.53	0.034	6.415094	265	0.8712	0.58373	2.845758	269.0896	19.24856
TS16_7_4_54	0.1021	0.0041	4.015671	0.554	0.028	5.054152	265	0.8712	0.613011	2.316603	249.8049	15.5979
TS16_7_5_54	0.1089	0.0052	4.775023	0.558	0.023	4.121864	265	0.8712	0.617891	1.899528	262.8152	16.34747
TS16_7_6_54	0.116	0.0055	4.741379	0.53	0.028	5.283019	265	0.8712	0.58373	2.343566	303.9978	20.71992
TS16_7_7_54	0.1252	0.0065	5.191693	0.488	0.021	4.303279	265	0.8712	0.53249	1.80062	366.6934	23.79695
TS16_7_8_54	0.1179	0.0088	7.463953	0.577	0.049	8.492201	265	0.8712	0.641071	4.014717	267.1832	29.83701
TS16_7_9_54	0.1221	0.0064	5.241605	0.598	0.039	6.521739	265	0.8712	0.666692	3.170373	257.1516	21.54679
TS16_7_10_54	0.1185	0.0048	4.050633	0.62	0.019	3.064516	265	0.8712	0.693532	1.533376	229.9601	11.88331

TS16_7_11_54	0.1215	0.0056	4.609053	0.602	0.03	4.983389	265	0.8712	0.671572	2.435358	252.2382	17.22673
TS16_7_12_54	0.1241	0.0045	3.626108	0.594	0.026	4.377104	265	0.8712	0.661812	2.116594	265.0274	15.06266
TS16_7_13_54	0.1247	0.0038	3.047314	0.583	0.019	3.259005	265	0.8712	0.648391	1.553084	276.6259	12.28729
TS16_7_1_55	0.0617	0.0022	3.56564	0.367	0.017	4.632153	265	0.8712	0.384868	1.621587	240.1362	11.78197
TS16_7_2_55	0.0586	0.0017	2.901024	0.339	0.013	3.834808	265	0.8712	0.350707	1.284733	240.7256	9.498252
TS16_7_3_55	0.0581	0.0018	3.098107	0.323	0.012	3.71517	265	0.8712	0.331187	1.213102	245.7506	9.849608
TS16_7_4_55	0.0582	0.0016	2.749141	0.3057	0.006	1.962709	265	0.8712	0.310081	0.623019	253.7831	7.80809
TS16_7_5_55	0.0594	0.002	3.367003	0.316	0.0084	2.658228	265	0.8712	0.322647	0.858169	254.288	9.794725
TS16_7_6_55	0.0616	0.0013	2.11039	0.3218	0.007	2.175264	265	0.8712	0.329723	0.708903	260.8182	6.763526
TS16_7_7_55	0.0611	0.0013	2.12766	0.3167	0.0076	2.399747	265	0.8712	0.323501	0.775607	261.097	7.012246
TS16_7_8_55	0.0611	0.0017	2.782324	0.317	0.012	3.785489	265	0.8712	0.323867	1.224081	260.9585	9.862133
TS16_7_9_55	0.0614	0.0016	2.605863	0.3233	0.0069	2.134241	265	0.8712	0.331553	0.697225	259.2925	7.814873
TS16_7_10_55	0.0617	0.0022	3.56564	0.318	0.0071	2.232704	265	0.8712	0.325087	0.723147	263.0036	10.32086
TS16_7_11_55	0.062	0.0017	2.741935	0.3222	0.008	2.48293	265	0.8712	0.330211	0.809693	262.2905	8.519089
TS16_7_12_55	0.0628	0.0014	2.229299	0.3241	0.0071	2.190682	265	0.8712	0.332529	0.716589	264.7056	7.157386
TS16_7_13_55	0.0648	0.0011	1.697531	0.3175	0.0086	2.708661	265	0.8712	0.324477	0.87659	276.183	6.882584
TS16_7_1_56	0.0557	0.0031	5.56553	0.209	0.014	6.698565	265	0.8712	0.192105	1.796307	283.7495	19.18779
TS16_7_2_56	0.0593	0.0027	4.55312	0.263	0.019	7.224335	265	0.8712	0.257986	2.133537	277.5881	17.67587
TS16_7_3_56	0.0641	0.0028	4.368175	0.292	0.013	4.452055	265	0.8712	0.293367	1.381397	285.5719	15.07412
TS16_7_4_56	0.0679	0.0021	3.092784	0.292	0.014	4.794521	265	0.8712	0.293367	1.487658	302.1105	13.26033
TS16_7_5_56	0.068	0.0019	2.794118	0.309	0.015	4.854369	265	0.8712	0.314107	1.549307	293.8645	12.53263
TS16_7_6_56	0.0701	0.0024	3.42368	0.315	0.011	3.492063	265	0.8712	0.321427	1.125522	299.573	12.55219
TS16_7_7_56	0.0719	0.0029	4.03338	0.33	0.017	5.151515	265	0.8712	0.339727	1.701197	298.9923	16.12859
TS16_7_8_56	0.0697	0.003	4.304161	0.349	0.015	4.297994	265	0.8712	0.362908	1.462891	280.0817	14.88074
TS16_7_9_56	0.0694	0.0018	2.59366	0.334	0.017	5.08982	265	0.8712	0.344607	1.691636	286.7377	12.4876
TS16_7_10_56	0.0678	0.0024	3.539823	0.333	0.017	5.105105	265	0.8712	0.343387	1.694002	280.7791	14.04657
TS16_7_11_56	0.0692	0.0032	4.624277	0.35	0.017	4.857143	265	0.8712	0.364128	1.655812	277.594	16.11365
TS16_7_12_56	0.0701	0.002	2.853067	0.353	0.013	3.68272	265	0.8712	0.367788	1.261382	279.5431	10.87131
TS16_7_13_56	0.068	0.0025	3.676471	0.352	0.019	5.397727	265	0.8712	0.366568	1.845895	271.8553	14.45079
TS16_7_1_57	0.0718	0.0031	4.317549	0.374	0.025	6.684492	265	0.8712	0.393408	2.365478	274.8205	17.95763
TS16_7_2_57	0.0719	0.0031	4.311544	0.355	0.016	4.507042	265	0.8712	0.370228	1.548573	285.482	15.47722
TS16_7_3_57	0.0684	0.0025	3.654971	0.336	0.017	5.059524	265	0.8712	0.347047	1.686949	281.6655	14.30512
TS16_7_4_57	0.0632	0.0029	4.588608	0.345	0.018	5.217391	265	0.8712	0.358027	1.764644	256.3816	15.12297
TS16_7_5_57	0.0605	0.0027	4.46281	0.35	0.02	5.714286	265	0.8712	0.364128	1.948014	243.3441	14.67494
TS16_7_6_57	0.0618	0.0028	4.530744	0.345	0.021	6.086957	265	0.8712	0.358027	2.058751	250.8113	15.63884
TS16_7_7_57	0.0634	0.0021	3.312303	0.307	0.016	5.211726	265	0.8712	0.311667	1.657898	275.358	13.17154
TS16_7_8_57	0.0616	0.0017	2.75974	0.291	0.013	4.467354	265	0.8712	0.292147	1.383823	275.1322	10.97685

TS16_7_9_57	0.0617	0.0022	3.56564	0.306	0.015	4.901961	265	0.8712	0.310447	1.556792	268.5915	12.96993
TS16_7_10_57	0.0623	0.0021	3.370787	0.317	0.013	4.100946	265	0.8712	0.323867	1.326088	265.9794	11.63619
TS16_7_11_57	0.061	0.0032	5.245902	0.2958	0.0088	2.974983	265	0.8712	0.298003	0.928968	270.3004	15.3443
TS16_7_12_57	0.0579	0.0017	2.936097	0.286	0.012	4.195804	265	0.8712	0.286047	1.288824	261.1206	10.40312
TS16_7_13_57	0.0581	0.0015	2.581756	0.283	0.01	3.533569	265	0.8712	0.282386	1.079918	263.3206	9.040702
TS16_7_1_58	0.2003	0.0068	3.394908	0.685	0.025	3.649635	265	0.8712	0.772833	1.984903	286.8443	15.30343
TS16_7_2_58	0.1922	0.0099	5.150884	0.663	0.028	4.223228	265	0.8712	0.745993	2.233669	307.2743	21.42249
TS16_7_3_58	0.179	0.01	5.586592	0.666	0.04	6.006006	265	0.8712	0.749653	3.188749	282.5923	24.44568
TS16_7_4_58	0.1915	0.0095	4.960836	0.664	0.029	4.36747	265	0.8712	0.747213	2.312906	304.745	21.13232
TS16_7_5_58	0.183	0.015	8.196721	0.656	0.052	7.926829	265	0.8712	0.737453	4.155179	302.5151	36.05186
TS16_7_6_58	0.1675	0.0094	5.61194	0.683	0.053	7.759883	265	0.8712	0.770393	4.209682	243.2752	25.03694
TS16_7_7_58	0.178	0.011	6.179775	0.639	0.049	7.668232	265	0.8712	0.716712	3.93272	317.1317	32.43336
TS16_7_8_58	0.1777	0.0093	5.23354	0.656	0.043	6.554878	265	0.8712	0.737453	3.436013	293.9505	25.92699
TS16_7_9_58	0.186	0.01	5.376344	0.683	0.039	5.710102	265	0.8712	0.770393	3.09769	269.5899	22.54369
TS16_7_10_58	0.1917	0.0088	4.590506	0.67	0.035	5.223881	265	0.8712	0.754533	2.787645	296.4222	21.87015
TS16_7_11_58	0.2229	0.0095	4.262001	0.67	0.037	5.522388	265	0.8712	0.754533	2.946939	343.4022	25.60336
TS16_7_12_58	0.2449	0.0088	3.593303	0.69	0.038	5.507246	265	0.8712	0.778933	3.014107	339.8846	24.44643
TS16_7_13_58	0.251	0.011	4.38247	0.71	0.03	4.225352	265	0.8712	0.803333	2.371126	310.6116	20.51508
TS16_7_1_59	0.0504	0.0017	3.373016	0.2387	0.0099	4.147465	265	0.8712	0.22834	1.173637	245.9594	10.29446
TS16_7_2_59	0.0484	0.0023	4.752066	0.22	0.012	5.454545	265	0.8712	0.205525	1.4924	243.2341	13.89536
TS16_7_3_59	0.049	0.0022	4.489796	0.208	0.0082	3.942308	265	0.8712	0.190885	1.055242	250.6422	12.66703
TS16_7_4_59	0.0508	0.0021	4.133858	0.2059	0.0083	4.031083	265	0.8712	0.188323	1.074847	260.4723	12.37308
TS16_7_5_59	0.0509	0.0018	3.536346	0.2036	0.0085	4.174853	265	0.8712	0.185517	1.108479	261.8589	11.14486
TS16_7_6_59	0.0508	0.0018	3.543307	0.207	0.011	5.31401	265	0.8712	0.189665	1.419796	260.0502	12.03836
TS16_7_7_59	0.051	0.0018	3.529412	0.2224	0.0083	3.732014	265	0.8712	0.208453	1.025564	255.119	10.61439
TS16_7_8_59	0.0504	0.0017	3.373016	0.223	0.01	4.484305	265	0.8712	0.209185	1.233636	251.9468	10.72858
TS16_7_9_59	0.0522	0.0024	4.597701	0.2236	0.0087	3.890877	265	0.8712	0.209917	1.071548	260.5288	13.4723
TS16_7_10_59	0.053	0.0017	3.207547	0.2183	0.0069	3.160788	265	0.8712	0.203451	0.862142	266.5608	9.903057
TS16_7_11_59	0.0526	0.0014	2.661597	0.226	0.0048	2.123894	265	0.8712	0.212846	0.587466	261.5318	7.760769
TS16_7_12_59	0.0524	0.0017	3.244275	0.2227	0.004	1.796138	265	0.8712	0.208819	0.49385	261.8631	9.05702
TS16_7_13_59	0.0516	0.0023	4.457364	0.216	0.011	5.092593	265	0.8712	0.200645	1.383253	260.556	13.93398
TS16_7_1_60	0.1458	0.0094	6.447188	0.605	0.026	4.297521	265	0.8712	0.675232	2.108488	298.239	23.47284
TS16_7_2_60	0.149	0.011	7.38255	0.6	0.025	4.166667	265	0.8712	0.669132	2.030869	310.2188	26.72316
TS16_7_3_60	0.1448	0.0087	6.008287	0.594	0.027	4.545455	265	0.8712	0.661812	2.198002	308.193	23.45878
TS16_7_4_60	0.1427	0.009	6.306938	0.563	0.039	6.927176	265	0.8712	0.623991	3.21393	336.9314	31.07348
TS16_7_5_60	0.187	0.029	15.50802	0.613	0.052	8.482871	265	0.8712	0.684992	4.205871	368.9721	66.649
TS16_7_6_60	0.214	0.026	12.14953	0.646	0.046	7.120743	265	0.8712	0.725252	3.685039	368.2992	53.63614

TS16_7_7_60	0.146	0.011	7.534247	0.588	0.031	5.272109	265	0.8712	0.654491	2.529189	317.2485	29.44252
TS16_7_8_60	0.1323	0.0094	7.105064	0.606	0.029	4.785479	265	0.8712	0.676452	2.350984	270.199	23.46746
TS16_7_9_60	0.135	0.01	7.407407	0.546	0.042	7.692308	265	0.8712	0.603251	3.487757	336.3481	35.03606
TS16_7_10_60	0.1366	0.0089	6.515373	0.568	0.037	6.514085	265	0.8712	0.630091	3.04266	317.772	28.97474
TS16_7_11_60	0.125	0.012	9.6	0.611	0.04	6.546645	265	0.8712	0.682552	3.237381	250.8555	29.55231
TS16_7_12_60	0.1313	0.0076	5.788271	0.613	0.036	5.872757	265	0.8712	0.684992	2.911757	261.2609	21.85518
TS16_7_13_60	0.1313	0.0051	3.884235	0.572	0.032	5.594406	265	0.8712	0.634971	2.627143	301.7899	20.15666
TS16_7_1_61	0.0573	0.0027	4.712042	0.245	0.012	4.897959	265	0.8712	0.236026	1.401607	276.1943	15.45379
TS16_7_2_61	0.0583	0.0018	3.087479	0.227	0.012	5.286344	265	0.8712	0.214066	1.464839	288.8074	12.55959
TS16_7_3_61	0.0532	0.0023	4.323308	0.212	0.016	7.54717	265	0.8712	0.195765	2.035033	270.0744	16.35614
TS16_7_4_61	0.0539	0.0024	4.45269	0.198	0.011	5.555556	265	0.8712	0.178685	1.45991	279.2393	15.17734
TS16_7_5_61	0.0525	0.002	3.809524	0.2004	0.0089	4.441118	265	0.8712	0.181613	1.172238	271.1872	12.37748
TS16_7_6_61	0.0546	0.0029	5.311355	0.2043	0.0098	4.796867	265	0.8712	0.186371	1.275275	280.1977	16.85128
TS16_7_7_61	0.0563	0.002	3.552398	0.2123	0.0086	4.050871	265	0.8712	0.196131	1.092884	285.3412	12.1574
TS16_7_8_61	0.0582	0.0021	3.608247	0.226	0.013	5.752212	265	0.8712	0.212846	1.591054	288.7606	14.19234
TS16_7_9_61	0.0622	0.0022	3.536977	0.271	0.024	8.856089	265	0.8712	0.267746	2.651774	287.1195	18.68985
TS16_7_10_61	0.0675	0.0025	3.703704	0.322	0.015	4.658385	265	0.8712	0.329967	1.518626	285.1526	13.94976
TS16_7_11_61	0.073	0.0034	4.657534	0.353	0.014	3.966006	265	0.8712	0.367788	1.358412	290.8506	16.02193
TS16_7_12_61	0.0765	0.0032	4.183007	0.363	0.02	5.509642	265	0.8712	0.379988	1.916837	298.7297	17.32558
TS16_7_13_61	0.0779	0.0043	5.519897	0.362	0.022	6.077348	265	0.8712	0.378768	2.111059	304.6541	21.64382
TS16_7_1_62	0.05	0.0024	4.8	0.1871	0.0084	4.489578	265	0.8712	0.165387	1.156222	263.5515	14.31706
TS16_7_2_62	0.0539	0.0023	4.267161	0.213	0.011	5.164319	265	0.8712	0.196985	1.395067	273.1474	14.20968
TS16_7_3_62	0.0573	0.0024	4.188482	0.24	0.011	4.583333	265	0.8712	0.229926	1.299985	278.3527	14.00765
TS16_7_4_62	0.0601	0.0023	3.826955	0.253	0.013	5.13834	265	0.8712	0.245786	1.491264	285.7758	14.16195
TS16_7_5_62	0.0599	0.0022	3.672788	0.255	0.015	5.882353	265	0.8712	0.248226	1.713185	283.9439	14.56448
TS16_7_6_62	0.062	0.0025	4.032258	0.265	0.016	6.037736	265	0.8712	0.260426	1.789286	289.0145	15.91631
TS16_7_7_62	0.0643	0.0024	3.732504	0.29	0.017	5.862069	265	0.8712	0.290927	1.812811	287.4107	15.27579
TS16_7_8_62	0.066	0.0031	4.69697	0.297	0.018	6.060606	265	0.8712	0.299467	1.896272	291.3663	17.96818
TS16_7_9_62	0.0643	0.0019	2.954899	0.309	0.016	5.177994	265	0.8712	0.314107	1.652595	278.2148	12.59232
TS16_7_10_62	0.0657	0.0021	3.196347	0.314	0.013	4.140127	265	0.8712	0.320207	1.332222	281.6682	11.9696
TS16_7_11_62	0.0642	0.0017	2.647975	0.299	0.013	4.347826	265	0.8712	0.301907	1.364902	282.6257	10.9783
TS16_7_12_62	0.0645	0.0021	3.255814	0.293	0.016	5.460751	265	0.8712	0.294587	1.697217	286.8296	13.7808
TS16_7_13_62	0.0669	0.0029	4.334828	0.291	0.019	6.52921	265	0.8712	0.292147	2.022511	298.2647	18.07422
TS16_7_1_63	0.0469	0.0015	3.198294	0.154	0.0093	6.038961	265	0.8712	0.125004	1.463997	259.2594	11.46082
TS16_7_2_63	0.0468	0.0023	4.91453	0.1623	0.0097	5.976587	265	0.8712	0.135131	1.470541	255.7821	14.92676
TS16_7_3_63	0.0472	0.0022	4.661017	0.1629	0.0075	4.604052	265	0.8712	0.135863	1.13406	257.7111	13.61488
TS16_7_4_63	0.0463	0.0024	5.183585	0.1476	0.0081	5.487805	265	0.8712	0.117196	1.315658	258.247	15.29903

TS16_7_5_63	0.0459	0.0023	5.010893	0.1341	0.0067	4.996271	265	0.8712	0.100726	1.171787	260.7415	14.70274
TS16_7_6_63	0.046	0.0018	3.913043	0.1435	0.0067	4.66899	265	0.8712	0.112194	1.111626	258.0318	11.83747
TS16_7_7_63	0.0465	0.0021	4.516129	0.1649	0.006	3.638569	265	0.8712	0.138303	0.899504	253.2602	12.54447
TS16_7_8_63	0.0471	0.0024	5.095541	0.1698	0.0079	4.652532	265	0.8712	0.144281	1.160512	254.7194	14.53153
TS16_7_9_63	0.0479	0.0023	4.80167	0.183	0.011	6.010929	265	0.8712	0.160385	1.53631	254.1814	14.76245
TS16_7_10_63	0.0493	0.0016	3.245436	0.1893	0.0073	3.856313	265	0.8712	0.168071	0.997191	259.1158	10.06357
TS16_7_11_63	0.0509	0.0016	3.143418	0.1895	0.0062	3.271768	265	0.8712	0.168315	0.846349	267.2764	9.735518
TS16_7_12_63	0.051	0.0016	3.137255	0.1912	0.0067	3.504184	265	0.8712	0.170389	0.90933	267.1366	9.883051
TS16_7_13_63	0.0479	0.00063	1.31524	0.1936	0.0049	2.530992	265	0.8712	0.173317	0.659713	250.3414	4.753831
TS16_7_1_64	0.0941	0.0064	6.801275	0.39	0.03	7.692308	265	0.8712	0.412928	2.789487	346.6334	31.2512
TS16_7_2_64	0.0878	0.0084	9.567198	0.37	0.037	10	265	0.8712	0.388528	3.517	337.1196	40.96673
TS16_7_3_64	0.0675	0.0039	5.777778	0.291	0.017	5.841924	265	0.8712	0.292147	1.809615	300.8783	20.96521
TS16_7_4_64	0.0654	0.0039	5.963303	0.3	0.018	6	265	0.8712	0.303127	1.886695	287.3003	20.69973
TS16_7_5_64	0.0663	0.0033	4.977376	0.249	0.014	5.62249	265	0.8712	0.240906	1.620344	316.5346	19.24069
TS16_7_6_64	0.0639	0.0027	4.225352	0.234	0.011	4.700855	265	0.8712	0.222606	1.319106	312.529	15.93199
TS16_7_7_64	0.0634	0.0037	5.835962	0.264	0.018	6.818182	265	0.8712	0.259206	2.01708	295.8696	21.44412
TS16_7_8_64	0.0695	0.0044	6.330935	0.263	0.018	6.844106	265	0.8712	0.257986	2.021246	324.1531	24.92306
TS16_7_9_64	0.0704	0.0036	5.113636	0.29	0.02	6.896552	265	0.8712	0.290927	2.132719	314.0229	21.39316
TS16_7_10_64	0.0681	0.0032	4.698972	0.287	0.02	6.968641	265	0.8712	0.287267	2.144167	305.5343	19.87423
TS16_7_11_64	0.0635	0.0023	3.622047	0.274	0.017	6.20438	265	0.8712	0.271406	1.867349	291.5542	15.49804
TS16_7_12_64	0.0663	0.0026	3.921569	0.275	0.015	5.454545	265	0.8712	0.272626	1.644478	303.6141	15.89172
TS16_7_13_64	0.0668	0.0027	4.041916	0.285	0.019	6.666667	265	0.8712	0.284826	2.044346	300.8382	17.68176
TS16_7_1_65	0.0689	0.0026	3.773585	0.354	0.019	5.367232	265	0.8712	0.369008	1.841237	274.3391	14.76016
TS16_7_2_65	0.0695	0.0026	3.741007	0.372	0.016	4.301075	265	0.8712	0.390968	1.517364	267.2452	13.13073
TS16_7_3_65	0.077	0.0031	4.025974	0.394	0.018	4.568528	265	0.8712	0.417808	1.666768	282.6947	15.0874
TS16_7_4_65	0.0866	0.0039	4.503464	0.424	0.021	4.95283	265	0.8712	0.454409	1.889775	297.6049	17.88244
TS16_7_5_65	0.0871	0.0035	4.01837	0.427	0.026	6.088993	265	0.8712	0.458069	2.333579	297.3218	18.71283
TS16_7_6_65	0.087	0.0035	4.022989	0.423	0.019	4.491726	265	0.8712	0.453189	1.711311	299.6014	16.17791
TS16_7_7_65	0.0983	0.0056	5.696846	0.434	0.026	5.990783	265	0.8712	0.466609	2.319658	329.4376	24.78495
TS16_7_8_65	0.1083	0.006	5.540166	0.466	0.023	4.935622	265	0.8712	0.505649	2.001684	336.2075	23.54732
TS16_7_9_65	0.1102	0.0052	4.718693	0.485	0.015	3.092784	265	0.8712	0.52883	1.288646	326.3167	17.97153
TS16_7_10_65	0.1045	0.003	2.870813	0.493	0.021	4.259635	265	0.8712	0.53859	1.794945	303.5679	14.27181
TS16_7_11_65	0.1069	0.004	3.741815	0.533	0.029	5.440901	265	0.8712	0.587391	2.423555	278.2459	17.38761
TS16_7_12_65	0.1124	0.0046	4.092527	0.511	0.024	4.696673	265	0.8712	0.56055	2.029506	310.801	18.32756
TS16_7_13_65	0.1188	0.0062	5.218855	0.526	0.023	4.372624	265	0.8712	0.57885	1.929075	314.7216	20.89874
TS15_01_1_1	0.0865	0.0079	9.132948	0.484	0.053	10.95041	253	0.8208	0.56233	4.621691	239.5449	31.63491
TS15_01_2_1	0.0733	0.0034	4.638472	0.443	0.019	4.288939	253	0.8208	0.509051	1.703202	227.9077	13.33669

TS15_01_3_1	0.0707	0.0035	4.950495	0.387	0.05	12.9199	253	0.8208	0.436279	4.707394	251.9345	27.27104
TS15_01_4_1	0.0606	0.0059	9.735974	0.267	0.026	9.737828	253	0.8208	0.28034	2.90681	275.1794	31.80137
TS15_01_5_1	0.0522	0.0027	5.172414	0.246	0.017	6.910569	253	0.8208	0.25305	1.986921	246.5743	16.37398
TS15_01_6_1	0.0517	0.0023	4.448743	0.237	0.017	7.172996	253	0.8208	0.241355	2.028957	248.0085	15.20677
TS15_01_7_1	0.0542	0.002	3.690037	0.215	0.017	7.906977	253	0.8208	0.212766	2.147678	269.3498	15.55689
TS15_01_8_1	0.0518	0.0019	3.667954	0.221	0.016	7.239819	253	0.8208	0.220563	1.988501	255.156	14.06597
TS15_01_9_1	0.0495	0.0012	2.424242	0.2347	0.0043	1.832126	253	0.8208	0.238366	0.516064	238.5662	6.400353
TS15_01_10_1	0.0495	0.0018	3.636364	0.2292	0.0064	2.792321	253	0.8208	0.231219	0.778637	240.7636	9.696886
TS15_01_11_1	0.0499	0.0027	5.410822	0.2185	0.0089	4.073227	253	0.8208	0.217314	1.113585	246.9791	14.71499
TS15_01_12_1	0.0494	0.004	8.097166	0.237	0.017	7.172996	253	0.8208	0.241355	2.028957	237.1756	21.8442
TS15_01_13_1	0.0525	0.004	7.619048	0.265	0.018	6.792453	253	0.8208	0.277741	2.020441	239.9186	21.04677
TS15_01_14_1	0.072	0.008	11.11111	0.36	0.04	11.11111	253	0.8208	0.401193	3.878364	272.1069	37.5523
TS15_01_1_2	0.0736	0.0045	6.11413	0.527	0.056	10.62619	253	0.8208	0.618208	4.772659	178.645	20.50104
TS15_01_2_2	0.0708	0.0029	4.096045	0.455	0.033	7.252747	253	0.8208	0.524645	2.93249	213.3841	15.50168
TS15_01_3_2	0.0694	0.0032	4.610951	0.467	0.03	6.423983	253	0.8208	0.540239	2.644193	202.4752	14.41551
TS15_01_4_2	0.0703	0.0055	7.823613	0.456	0.028	6.140351	253	0.8208	0.525944	2.486428	211.3318	19.88502
TS15_01_5_2	0.0742	0.0051	6.873315	0.428	0.026	6.074766	253	0.8208	0.489558	2.358202	239.6463	20.32053
TS15_01_6_2	0.0754	0.0045	5.96817	0.422	0.027	6.398104	253	0.8208	0.481761	2.461087	247.098	19.45738
TS15_01_7_2	0.0733	0.0032	4.365621	0.428	0.03	7.009346	253	0.8208	0.489558	2.721002	236.7923	16.80548
TS15_01_8_2	0.0765	0.0045	5.882353	0.412	0.031	7.524272	253	0.8208	0.468766	2.850196	256.7948	21.42364
TS15_01_9_2	0.0769	0.0044	5.721717	0.399	0.023	5.764411	253	0.8208	0.451873	2.140052	266.1519	19.3866
TS15_01_10_2	0.0724	0.0029	4.005525	0.414	0.018	4.347826	253	0.8208	0.471365	1.652036	242.1202	12.79824
TS15_01_11_2	0.0706	0.0039	5.524079	0.439	0.041	9.339408	253	0.8208	0.503853	3.686508	221.9402	20.7696
TS15_01_12_2	0.0721	0.0046	6.380028	0.439	0.018	4.100228	253	0.8208	0.503853	1.618467	226.5737	16.47668
TS15_01_13_2	0.0791	0.0031	3.91909	0.4	0.024	6	253	0.8208	0.453173	2.230982	272.9716	16.53791
TS15_01_14_2	0.0769	0.0028	3.641092	0.425	0.021	4.941176	253	0.8208	0.48566	1.909396	250.0601	13.43948
TS15_01_1_3	0.1269	0.0074	5.831363	0.609	0.042	6.896552	253	0.8208	0.724767	3.472827	221.3116	20.387
TS15_01_2_3	0.1032	0.0099	9.593023	0.599	0.049	8.180301	253	0.8208	0.711772	4.063354	188.9529	24.06286
TS15_01_3_3	0.1	0.011	11	0.547	0.062	11.33455	253	0.8208	0.644198	5.237405	225.3784	34.74557
TS15_01_4_3	0.088	0.014	15.90909	0.46	0.035	7.608696	253	0.8208	0.531142	3.099438	260.6351	45.25378
TS15_01_5_3	0.0652	0.0056	8.588957	0.359	0.044	12.25627	253	0.8208	0.399893	4.27121	247.4192	30.48218
TS15_01_6_3	0.05	0.0039	7.8	0.28	0.029	10.35714	253	0.8208	0.297233	3.162937	222.6275	22.70841
TS15_01_7_3	0.0426	0.0028	6.57277	0.226	0.015	6.637168	253	0.8208	0.22706	1.8399	208.8428	15.9694
TS15_01_8_3	0.0422	0.0015	3.554502	0.198	0.013	6.565657	253	0.8208	0.190675	1.727464	216.4915	10.90431
TS15_01_9_3	0.0439	0.0027	6.150342	0.239	0.078	32.63598	253	0.8208	0.243954	9.265126	210.4852	41.6392
TS15_01_10_3	0.0459	0.003	6.535948	0.249	0.074	29.71888	253	0.8208	0.256949	8.591104	216.1955	40.29173
TS15_01_11_3	0.0442	0.0017	3.846154	0.184	0.02	10.86957	253	0.8208	0.172482	2.785363	231.5763	15.94177

TS15_01_12_3	0.0449	0.0021	4.67706	0.182	0.012	6.593407	253	0.8208	0.169883	1.683225	235.903	13.83116
TS15_01_13_3	0.0432	0.0021	4.861111	0.197	0.019	9.64467	253	0.8208	0.189375	2.532799	221.8842	15.82964
TS15_01_14_3	0.0437	0.0029	6.636156	0.201	0.018	8.955224	253	0.8208	0.194573	2.369505	222.9937	18.47581
TS15_01_1_4	0.1171	0.0073	6.233988	0.607	0.034	5.601318	253	0.8208	0.722168	2.812917	206.389	17.58726
TS15_01_2_4	0.1152	0.0082	7.118056	0.583	0.046	7.890223	253	0.8208	0.69098	3.833887	225.4962	23.96516
TS15_01_3_4	0.1128	0.0077	6.826241	0.533	0.047	8.818011	253	0.8208	0.626005	3.994546	266.3723	28.51425
TS15_01_4_4	0.112	0.0068	6.071429	0.523	0.04	7.648184	253	0.8208	0.61301	3.41553	273.5202	25.48512
TS15_01_5_4	0.1026	0.0075	7.309942	0.523	0.024	4.58891	253	0.8208	0.61301	2.049318	251.005	21.41496
TS15_01_6_4	0.0949	0.0064	6.743941	0.514	0.036	7.003891	253	0.8208	0.601315	3.087666	239.4006	22.26422
TS15_01_7_4	0.0925	0.0058	6.27027	0.475	0.025	5.263158	253	0.8208	0.550635	2.192153	262.5343	20.46871
TS15_01_8_4	0.0892	0.0034	3.811659	0.486	0.025	5.144033	253	0.8208	0.564929	2.177442	245.4422	14.46231
TS15_01_9_4	0.0922	0.0052	5.639913	0.476	0.029	6.092437	253	0.8208	0.551934	2.541298	260.9582	20.18729
TS15_01_10_4	0.0928	0.0055	5.926724	0.519	0.022	4.238921	253	0.8208	0.607812	1.882201	230.4487	16.45186
TS15_01_11_4	0.0896	0.0053	5.915179	0.503	0.05	9.940358	253	0.8208	0.587021	4.313165	234.2291	24.90176
TS15_01_12_4	0.0949	0.0068	7.165437	0.52	0.036	6.923077	253	0.8208	0.609112	3.078454	234.8029	22.55192
TS15_01_13_4	0.0965	0.006	6.217617	0.495	0.03	6.060606	253	0.8208	0.576625	2.599351	258.135	21.31018
TS15_01_14_4	0.0986	0.0066	6.693712	0.49	0.036	7.346939	253	0.8208	0.570127	3.128162	267.6023	24.98601
TS15_01_1_5	0.1208	0.0086	7.119205	0.585	0.042	7.179487	253	0.8208	0.693579	3.498193	234.3079	23.77404
TS15_01_2_5	0.0953	0.0093	9.758657	0.579	0.04	6.908463	253	0.8208	0.685782	3.338311	190.2038	22.7846
TS15_01_3_5	0.0855	0.0055	6.432749	0.517	0.029	5.609284	253	0.8208	0.605213	2.483541	214.0021	17.66018
TS15_01_4_5	0.0816	0.0042	5.147059	0.509	0.023	4.518664	253	0.8208	0.594817	1.977752	209.6894	13.82075
TS15_01_5_5	0.062	0.011	17.74194	0.444	0.065	14.63964	253	0.8208	0.51035	5.82238	192.7903	41.39883
TS15_01_6_5	0.0499	0.0062	12.42485	0.349	0.036	10.31519	253	0.8208	0.386898	3.537137	194.2635	28.13632
TS15_01_7_5	0.122	0.062	50.81967	0.54	0.12	22.22222	253	0.8208	0.635102	10.16718	280.7744	155.1999
TS15_01_8_5	0.15	0.059	39.33333	0.63	0.082	13.01587	253	0.8208	0.752056	6.743491	235.4013	98.9292
TS15_01_9_5	0.0624	0.0048	7.692308	0.475	0.033	6.947368	253	0.8208	0.550635	2.893642	178.2721	17.37693
TS15_01_10_5	0.068	0.015	22.05882	0.484	0.058	11.98347	253	0.8208	0.56233	5.0577	189.0558	46.39122
TS15_01_11_5	0.084	0.013	15.47619	0.542	0.051	9.409594	253	0.8208	0.637701	4.317317	193.2585	34.67441
TS15_01_12_5	0.106	0.02	18.86792	0.635	0.051	8.031496	253	0.8208	0.758554	4.189192	162.9091	33.97068
TS15_01_13_5	0.28	0.1	35.71429	0.741	0.052	7.017544	253	0.8208	0.8963	4.204113	184.5116	68.31353
TS15_01_14_5	0.293	0.085	29.01024	0.761	0.043	5.65046	253	0.8208	0.92229	3.471766	145.1322	43.63538
TS15_01_1_6	0.38	0.18	47.36842	0.687	0.069	10.04367	253	0.8208	0.826128	5.61253	412.4443	204.0765
TS15_01_2_6	0.163	0.02	12.26994	0.614	0.045	7.32899	253	0.8208	0.731264	3.715789	276.3683	40.38047
TS15_01_3_6	0.131	0.0093	7.099237	0.61	0.048	7.868852	253	0.8208	0.726066	3.967842	227.2775	24.58462
TS15_01_4_6	0.124	0.01	8.064516	0.556	0.059	10.61151	253	0.8208	0.655894	4.965814	269.3566	35.09451
TS15_01_5_6	0.09	0.013	14.44444	0.463	0.038	8.207343	253	0.8208	0.535041	3.358252	264.2673	42.82902
TS15_01_6_6	0.075	0.0027	3.6	0.39	0.026	6.666667	253	0.8208	0.440178	2.440476	265.1356	16.39476

TS15_01_7_6	0.0709	0.0036	5.077574	0.35	0.021	6	253	0.8208	0.388198	2.060775	273.7299	18.261
TS15_01_8_6	0.0682	0.0039	5.718475	0.327	0.022	6.727829	253	0.8208	0.358309	2.225254	276.1176	20.41048
TS15_01_9_6	0.0667	0.0035	5.247376	0.304	0.02	6.578947	253	0.8208	0.328421	2.0937	282.4821	19.35661
TS15_01_10_6	0.063	0.0033	5.238095	0.282	0.014	4.964539	253	0.8208	0.299832	1.521386	278.262	17.20249
TS15_01_11_6	0.0624	0.0066	10.57692	0.264	0.027	10.22727	253	0.8208	0.276441	3.03676	284.6768	35.40178
TS15_01_12_6	0.0577	0.0039	6.759099	0.24	0.024	10	253	0.8208	0.245253	2.844098	274.7932	24.7527
TS15_01_13_6	0.0556	0.0026	4.676259	0.241	0.019	7.883817	253	0.8208	0.246553	2.246313	264.5477	17.4882
TS15_01_14_6	0.0553	0.0034	6.148282	0.232	0.017	7.327586	253	0.8208	0.234857	2.053822	267.1503	20.13716
TS15_01_1_7	0.193	0.076	39.37824	0.61	0.11	18.03279	253	0.8208	0.726066	9.092972	332.1127	146.159
TS15_01_2_7	0.075	0.015	20	0.372	0.069	18.54839	253	0.8208	0.416787	6.59979	275.9799	67.21764
TS15_01_3_7	0.0525	0.0047	8.952381	0.216	0.039	18.05556	253	0.8208	0.214065	4.913353	260.648	35.26186
TS15_01_4_7	0.0477	0.0017	3.563941	0.173	0.013	7.514451	253	0.8208	0.158187	1.886175	253.7904	13.41951
TS15_01_5_7	0.05	0.0011	2.2	0.174	0.011	6.321839	253	0.8208	0.159487	1.589799	265.3768	10.46643
TS15_01_6_7	0.0507	0.0018	3.550296	0.1815	0.007	3.856749	253	0.8208	0.169233	0.983659	265.9597	11.0115
TS15_01_7_7	0.0534	0.0023	4.307116	0.194	0.011	5.670103	253	0.8208	0.185477	1.480642	274.4637	14.63908
TS15_01_8_7	0.0526	0.0034	6.463878	0.203	0.014	6.896552	253	0.8208	0.197172	1.831659	266.633	20.19398
TS15_01_9_7	0.0508	0.0022	4.330709	0.215	0.013	6.046512	253	0.8208	0.212766	1.642342	252.7802	13.99749
TS15_01_10_7	0.051	0.0024	4.705882	0.202	0.019	9.405941	253	0.8208	0.195873	2.493443	259.0935	18.10167
TS15_01_11_7	0.0484	0.0015	3.099174	0.1852	0.0086	4.643629	253	0.8208	0.174041	1.192641	252.6868	10.07047
TS15_01_12_7	0.0491	0.003	6.10998	0.1852	0.0071	3.833693	253	0.8208	0.174041	0.984622	256.2696	16.76076
TS15_01_13_7	0.04749	0.00085	1.78985	0.1811	0.0071	3.920486	253	0.8208	0.168713	0.999162	249.5954	6.823592
TS15_01_14_7	0.0473	0.0015	3.171247	0.1849	0.0056	3.028664	253	0.8208	0.173651	0.777424	247.1669	8.893082
TS15_01_1_8	0.114	0.018	15.78947	0.587	0.053	9.028961	253	0.8208	0.696178	4.411508	219.4964	40.2588
TS15_01_2_8	0.0845	0.0086	10.17751	0.519	0.045	8.67052	253	0.8208	0.607812	3.849957	210.1696	27.20653
TS15_01_3_8	0.079	0.0076	9.620253	0.464	0.035	7.543103	253	0.8208	0.53634	3.091049	231.9047	26.94554
TS15_01_4_8	0.078	0.0045	5.769231	0.453	0.038	8.388521	253	0.8208	0.522046	3.38159	235.9537	21.32857
TS15_01_5_8	0.0694	0.0069	9.942363	0.435	0.027	6.206897	253	0.8208	0.498655	2.435244	220.4786	24.78423
TS15_01_6_8	0.0707	0.0034	4.809052	0.43	0.031	7.209302	253	0.8208	0.492157	2.807153	227.3968	17.0874
TS15_01_7_8	0.0697	0.003	4.304161	0.398	0.019	4.773869	253	0.8208	0.450574	1.769554	242.256	13.74156
TS15_01_8_8	0.0704	0.0047	6.676136	0.42	0.021	5	253	0.8208	0.479162	1.917417	232.1401	18.17285
TS15_01_9_8	0.0749	0.006	8.010681	0.431	0.032	7.424594	253	0.8208	0.493457	2.89538	240.0519	24.13011
TS15_01_10_8	0.084	0.012	14.28571	0.496	0.026	5.241935	253	0.8208	0.577924	2.251503	224.5953	34.14357
TS15_01_11_8	0.1	0.026	26	0.507	0.079	15.58185	253	0.8208	0.592218	6.800276	257.6545	76.67533
TS15_01_12_8	0.0749	0.0031	4.138852	0.411	0.027	6.569343	253	0.8208	0.467467	2.484637	252.1308	16.60729
TS15_01_13_8	0.0711	0.0034	4.781997	0.411	0.038	9.245742	253	0.8208	0.467467	3.496896	239.5738	20.6463
TS15_01_14_8	0.0706	0.0049	6.94051	0.409	0.037	9.046455	253	0.8208	0.464868	3.410981	239.0596	23.65834
TS15_01_1_9	0.1021	0.0088	8.619001	0.579	0.023	3.972366	253	0.8208	0.685782	1.919529	203.5634	19.48389

TS15_01_2_9	0.1033	0.0061	5.905131	0.559	0.03	5.366726	253	0.8208	0.659792	2.52203	222.6593	17.5702
TS15_01_3_9	0.0998	0.0065	6.513026	0.511	0.052	10.17613	253	0.8208	0.597416	4.466805	253.9352	28.57123
TS15_01_4_9	0.1065	0.0084	7.887324	0.5	0.017	3.4	253	0.8208	0.583122	1.468872	280.0333	24.04399
TS15_01_5_9	0.1093	0.0093	8.508692	0.493	0.041	8.31643	253	0.8208	0.574026	3.556482	293.3611	33.20027
TS15_01_6_9	0.0967	0.0062	6.411582	0.475	0.034	7.157895	253	0.8208	0.550635	2.981328	274.2047	24.47984
TS15_01_7_9	0.0968	0.0048	4.958678	0.466	0.034	7.296137	253	0.8208	0.538939	2.998733	281.4724	22.35037
TS15_01_8_9	0.0953	0.0026	2.728227	0.447	0.034	7.606264	253	0.8208	0.514249	3.03879	291.7168	19.84956
TS15_01_9_9	0.0904	0.0048	5.309735	0.45	0.032	7.111111	253	0.8208	0.518147	2.853789	274.8587	21.85286
TS15_01_10_9	0.0897	0.0048	5.351171	0.459	0.019	4.139434	253	0.8208	0.529843	1.683708	266.2889	17.16592
TS15_01_11_9	0.0885	0.0027	3.050847	0.457	0.017	3.719912	253	0.8208	0.527244	1.508563	264.2215	11.56231
TS15_01_12_9	0.0883	0.0033	3.737259	0.457	0.035	7.658643	253	0.8208	0.527244	3.105866	263.6364	19.47859
TS15_01_13_9	0.0876	0.0053	6.050228	0.473	0.037	7.82241	253	0.8208	0.548036	3.248505	250.304	22.61896
TS15_01_14_9	0.0966	0.0041	4.244306	0.419	0.041	9.785203	253	0.8208	0.477863	3.746719	317.2128	27.94088
TS15_01_1_10	0.255	0.061	23.92157	0.725	0.083	11.44828	253	0.8208	0.875508	6.719917	201.4627	55.90801
TS15_01_2_10	0.161	0.023	14.28571	0.585	0.066	11.28205	253	0.8208	0.693579	5.49716	310.43	57.0757
TS15_01_3_10	0.099	0.021	21.21212	0.43	0.047	10.93023	253	0.8208	0.492157	4.256006	316.2185	73.65533
TS15_01_4_10	0.0625	0.0064	10.24	0.346	0.019	5.491329	253	0.8208	0.383	1.873848	243.9166	27.05005
TS15_01_5_10	0.06	0.0039	6.5	0.336	0.019	5.654762	253	0.8208	0.370005	1.898318	239.1801	18.3166
TS15_01_6_10	0.0676	0.0028	4.142012	0.404	0.041	10.14851	253	0.8208	0.45837	3.797031	231.8116	20.38481
TS15_01_7_10	0.0845	0.006	7.100592	0.458	0.042	9.170306	253	0.8208	0.528543	3.724452	251.8293	26.37457
TS15_01_8_10	0.0869	0.0065	7.479862	0.489	0.039	7.97546	253	0.8208	0.568828	3.390816	237.1248	24.34101
TS15_01_9_10	0.0907	0.0065	7.166483	0.525	0.035	6.666667	253	0.8208	0.615609	2.985733	220.9201	20.93123
TS15_01_10_10	0.0934	0.0042	4.496788	0.567	0.045	7.936508	253	0.8208	0.670188	3.771624	195.5809	17.41538
TS15_01_11_10	0.0989	0.0032	3.235592	0.54	0.039	7.222222	253	0.8208	0.635102	3.304334	228.5415	17.09557
TS15_01_12_10	0.0945	0.0025	2.645503	0.545	0.046	8.440367	253	0.8208	0.641599	3.889078	214.7168	17.91274
TS15_01_13_10	0.0996	0.006	6.024096	0.538	0.046	8.550186	253	0.8208	0.632503	3.900832	231.7405	23.21579
TS15_01_14_10	0.1019	0.0038	3.729146	0.539	0.026	4.823748	253	0.8208	0.633802	2.20385	236.1719	13.87352
TS15_01_1_11	0.0941	0.0055	5.844846	0.521	0.065	12.47601	253	0.8208	0.610411	5.555609	232.0985	29.60221
TS15_01_2_11	0.0719	0.0047	6.536857	0.382	0.049	12.82723	253	0.8208	0.429782	4.636987	259.0204	29.91796
TS15_01_3_11	0.0666	0.0049	7.357357	0.308	0.023	7.467532	253	0.8208	0.333619	2.392631	279.9313	25.06103
TS15_01_4_11	0.054	0.0047	8.703704	0.257	0.02	7.782101	253	0.8208	0.267345	2.282139	250.126	25.0166
TS15_01_5_11	0.0513	0.0019	3.703704	0.2423	0.0055	2.269913	253	0.8208	0.248242	0.648287	243.9331	9.748207
TS15_01_6_11	0.0517	0.0018	3.481625	0.237	0.02	8.438819	253	0.8208	0.241355	2.387008	248.0085	14.92237
TS15_01_7_11	0.052	0.0018	3.461538	0.213	0.014	6.57277	253	0.8208	0.210167	1.778643	259.4701	13.12817
TS15_01_8_11	0.0519	0.0024	4.624277	0.213	0.02	9.389671	253	0.8208	0.210167	2.540918	258.981	18.13103
TS15_01_9_11	0.056	0.0028	5	0.247	0.014	5.668016	253	0.8208	0.25435	1.632608	263.7109	16.05466

TS15_01_10_11	0.0562	0.0025	4.448399	0.252	0.013	5.15873	253	0.8208	0.260847	1.499345	262.3739	14.35006
TS15_01_11_11	0.0566	0.0031	5.477032	0.266	0.014	5.263158	253	0.8208	0.27904	1.568317	257.829	16.58161
TS15_01_12_11	0.0593	0.0017	2.866779	0.268	0.013	4.850746	253	0.8208	0.281639	1.450539	268.9214	11.1904
TS15_01_13_11	0.0571	0.0019	3.327496	0.275	0.011	4	253	0.8208	0.290736	1.210936	255.9252	10.73564
TS15_01_14_11	0.0608	0.0022	3.618421	0.294	0.019	6.462585	253	0.8208	0.315426	2.021894	262.8797	14.54318
TS15_01_1_12	0.267	0.061	22.84644	0.713	0.047	6.591865	253	0.8208	0.859914	3.810078	236.7144	57.80935
TS15_01_2_12	0.108	0.036	33.33333	0.48	0.12	25	253	0.8208	0.557132	10.48964	301.1836	120.3087
TS15_01_3_12	0.0563	0.0042	7.460036	0.248	0.018	7.258065	253	0.8208	0.255649	2.094378	264.6423	23.0715
TS15_01_4_12	0.0551	0.0027	4.900181	0.232	0.011	4.741379	253	0.8208	0.234857	1.328944	266.2038	15.13268
TS15_01_5_12	0.0543	0.003	5.524862	0.242	0.021	8.677686	253	0.8208	0.247852	2.477	258.0476	19.50772
TS15_01_6_12	0.0538	0.0025	4.64684	0.23	0.016	6.956522	253	0.8208	0.232258	1.942676	260.9138	16.10799
TS15_01_7_12	0.0566	0.0034	6.007067	0.23	0.018	7.826087	253	0.8208	0.232258	2.18551	274.2081	20.77699
TS15_01_8_12	0.0565	0.0035	6.19469	0.215	0.022	10.23256	253	0.8208	0.212766	2.779349	280.5346	23.8205
TS15_01_9_12	0.0525	0.0034	6.47619	0.2	0.012	6	253	0.8208	0.193274	1.584587	267.4024	19.65528
TS15_01_10_12	0.0485	0.0013	2.680412	0.187	0.011	5.882353	253	0.8208	0.17638	1.515925	252.4955	10.41237
TS15_01_11_12	0.0469	0.003	6.396588	0.18	0.012	6.666667	253	0.8208	0.167284	1.695528	246.969	18.20142
TS15_01_12_12	0.0483	0.001	2.070393	0.1799	0.0091	5.058366	253	0.8208	0.167154	1.286248	254.2366	8.557366
TS15_01_13_12	0.0488	0.0035	7.172131	0.194	0.011	5.670103	253	0.8208	0.185477	1.480642	251.2754	19.85191
TS15_01_14_12	0.0514	0.0022	4.280156	0.2015	0.0093	4.615385	253	0.8208	0.195223	1.222354	261.2917	13.13061
TS15_01_1_13	0.0551	0.0031	5.626134	0.281	0.039	13.879	253	0.8208	0.298533	4.245846	244.4649	25.33048
TS15_01_2_13	0.0509	0.0034	6.679764	0.222	0.026	11.71171	253	0.8208	0.221862	3.222721	250.3978	23.65678
TS15_01_3_13	0.0503	0.0025	4.970179	0.1854	0.007	3.77562	253	0.8208	0.174301	0.970073	262.3262	14.26911
TS15_01_4_13	0.0519	0.0017	3.27553	0.204	0.014	6.862745	253	0.8208	0.198472	1.826105	262.7387	13.14254
TS15_01_5_13	0.0536	0.0019	3.544776	0.213	0.011	5.164319	253	0.8208	0.210167	1.397505	267.2905	12.30777
TS15_01_6_13	0.0573	0.0029	5.061082	0.22	0.018	8.181818	253	0.8208	0.219263	2.243072	282.1236	19.47464
TS15_01_7_13	0.0571	0.0025	4.378284	0.22	0.019	8.636364	253	0.8208	0.219263	2.367687	281.16	18.50743
TS15_01_8_13	0.0559	0.0025	4.472272	0.2149	0.0058	2.69893	253	0.8208	0.212636	0.732942	277.6636	13.33962
TS15_01_9_13	0.0551	0.0028	5.08167	0.2173	0.0095	4.371836	253	0.8208	0.215755	1.192561	272.7112	15.61833
TS15_01_10_13	0.056	0.0017	3.035714	0.21	0.014	6.666667	253	0.8208	0.206268	1.793976	280.3509	13.45285
TS15_01_11_13	0.0573	0.0024	4.188482	0.2023	0.0085	4.201681	253	0.8208	0.196262	1.114461	290.2508	14.07068
TS15_01_12_13	0.0616	0.0015	2.435065	0.191	0.011	5.759162	253	0.8208	0.181578	1.495417	317.0677	12.52211
TS15_01_13_13	0.073	0.011	15.06849	0.166	0.021	12.6506	253	0.8208	0.149091	3.134189	388.4835	65.02199
TS15_01_14_13	0.075	0.019	25.33333	0.164	0.02	12.19512	253	0.8208	0.146492	3.010173	399.9853	106.565
TS15_01_1_14	0.0579	0.0052	8.981002	0.333	0.036	10.81081	253	0.8208	0.366106	3.611347	232.3607	27.21055

TS15_01_2_14	0.053	0.0031	5.849057	0.272	0.02	7.352941	253	0.8208	0.286837	2.21431	239.1672	17.8513
TS15_01_3_14	0.0482	0.0018	3.73444	0.272	0.026	9.558824	253	0.8208	0.286837	2.878604	217.8685	15.18845
TS15_01_4_14	0.0481	0.0012	2.494802	0.239	0.016	6.694561	253	0.8208	0.243954	1.900539	230.2671	10.64992
TS15_01_5_14	0.0495	0.0021	4.242424	0.229	0.015	6.550218	253	0.8208	0.230959	1.825854	240.8435	13.72185
TS15_01_6_14	0.0487	0.0022	4.517454	0.216	0.011	5.092593	253	0.8208	0.214065	1.385817	242.1318	13.06364
TS15_01_7_14	0.0454	0.0013	2.863436	0.228	0.011	4.824561	253	0.8208	0.229659	1.34236	221.6006	8.843372
TS15_01_8_14	0.0453	0.0011	2.428256	0.2334	0.0072	3.084833	253	0.8208	0.236677	0.866857	219.1403	6.647364
TS15_01_9_14	0.0471	0.0017	3.609342	0.233	0.0074	3.175966	253	0.8208	0.236157	0.891812	227.8482	9.33045
TS15_01_10_14	0.0468	0.002	4.273504	0.226	0.012	5.309735	253	0.8208	0.22706	1.47192	229.0712	12.08962
TS15_01_11_14	0.048	0.0026	5.416667	0.234	0.014	5.982906	253	0.8208	0.237456	1.68308	231.7366	15.0301
TS15_01_12_14	0.0481	0.0038	7.900208	0.238	0.018	7.563025	253	0.8208	0.242654	2.143184	230.6559	21.0725
TS15_01_13_14	0.0465	0.0023	4.946237	0.243	0.016	6.584362	253	0.8208	0.249152	1.882882	221.2329	13.97674
TS15_01_14_14	0.0478	0.0015	3.138075	0.247	0.009	3.643725	253	0.8208	0.25435	1.049534	225.7637	8.668651
TS15_01_1_15	0.14	0.015	10.71429	0.621	0.04	6.441224	253	0.8208	0.740361	3.296855	230.1655	29.41227
TS15_01_2_15	0.15	0.021	14	0.649	0.04	6.163328	253	0.8208	0.776747	3.275592	212.3415	33.28205
TS15_01_3_15	0.151	0.021	13.90728	0.556	0.045	8.093525	253	0.8208	0.655894	3.787485	326.544	52.82804
TS15_01_4_15	0.103	0.014	13.59223	0.52	0.042	8.076923	253	0.8208	0.609112	3.59153	254.4535	39.77779
TS15_01_5_15	0.0721	0.0027	3.744799	0.382	0.062	16.23037	253	0.8208	0.429782	5.867208	259.7266	32.56258
TS15_01_6_15	0.0622	0.0044	7.073955	0.315	0.012	3.809524	253	0.8208	0.342715	1.235056	258.3045	19.71709
TS15_01_7_15	0.0522	0.0029	5.555556	0.229	0.036	15.72052	253	0.8208	0.230959	4.382048	253.7251	26.79723
TS15_01_8_15	0.0492	0.0022	4.471545	0.189	0.019	10.05291	253	0.8208	0.178979	2.600499	255.2761	17.83585
TS15_01_9_15	0.0556	0.0036	6.47482	0.284	0.027	9.507042	253	0.8208	0.302431	2.923564	245.2964	21.77577
TS15_01_10_15	0.0609	0.0024	3.940887	0.3043	0.0094	3.089057	253	0.8208	0.328811	0.983569	258.2569	11.5956
TS15_01_11_15	0.062	0.0048	7.741935	0.317	0.023	7.255521	253	0.8208	0.345314	2.360151	256.4922	23.68265
TS15_01_12_15	0.0615	0.0045	7.317073	0.319	0.03	9.404389	253	0.8208	0.347913	3.069405	253.4734	24.64473
TS15_01_13_15	0.0578	0.0034	5.882353	0.283	0.025	8.833922	253	0.8208	0.301132	2.711864	255.2784	20.8015
TS15_01_14_15	0.0505	0.0022	4.356436	0.216	0.029	13.42593	253	0.8208	0.214065	3.653519	250.9093	21.72937
TS15_01_1_16	0.304	0.05	16.44737	0.754	0.077	10.2122	253	0.8208	0.913194	6.219523	167.9092	34.98516
TS15_01_2_16	0.204	0.025	12.2549	0.652	0.067	10.27607	253	0.8208	0.780645	5.483252	282.1986	47.26539
TS15_01_3_16	0.144	0.023	15.97222	0.496	0.045	9.072581	253	0.8208	0.577924	3.896832	380.3609	69.25941
TS15_01_4_16	0.0968	0.0097	10.02066	0.467	0.047	10.06424	253	0.8208	0.540239	4.142568	280.6961	37.1954
TS15_01_5_16	0.0953	0.0039	4.09234	0.485	0.029	5.979381	253	0.8208	0.56363	2.527337	262.6569	17.41143
TS15_01_6_16	0.0944	0.0045	4.766949	0.447	0.039	8.724832	253	0.8208	0.514249	3.485671	289.0227	24.91613
TS15_01_7_16	0.0782	0.0073	9.335038	0.367	0.036	9.809264	253	0.8208	0.410289	3.462573	290.628	34.46127
TS15_01_8_16	0.0682	0.0024	3.519062	0.302	0.026	8.609272	253	0.8208	0.325822	2.730545	289.7871	19.22751

TS15_01_9_16	0.0642	0.0026	4.049844	0.291	0.014	4.810997	253	0.8208	0.311528	1.497443	278.8137	14.3358
TS15_01_10_16	0.0622	0.0028	4.501608	0.311	0.016	5.144695	253	0.8208	0.337517	1.656745	260.3066	14.8308
TS15_01_11_16	0.0652	0.0027	4.141104	0.305	0.016	5.245902	253	0.8208	0.32972	1.672301	275.7404	14.97889
TS15_01_12_16	0.064	0.0012	1.875	0.299	0.023	7.692308	253	0.8208	0.321924	2.427289	273.8542	14.54225
TS15_01_13_16	0.0653	0.0026	3.981623	0.291	0.023	7.90378	253	0.8208	0.311528	2.460084	283.4874	18.3174
TS15_01_14_16	0.0658	0.0024	3.647416	0.285	0.019	6.666667	253	0.8208	0.303731	2.053658	288.7738	16.20279
TS15_01_1_17	0.182	0.022	12.08791	0.718	0.099	13.7883	253	0.8208	0.866412	8.021071	154.8569	31.40534
TS15_01_2_17	0.156	0.013	8.333333	0.628	0.063	10.03185	253	0.8208	0.749457	5.183478	247.1567	33.42599
TS15_01_3_17	0.141	0.013	9.219858	0.613	0.02	3.262643	253	0.8208	0.729965	1.651908	240.8895	23.99417
TS15_01_4_17	0.1257	0.0085	6.762132	0.585	0.025	4.273504	253	0.8208	0.693579	2.082258	243.6347	19.68877
TS15_01_5_17	0.1231	0.0067	5.442729	0.502	0.047	9.36255	253	0.8208	0.585721	4.05657	320.6443	32.03828
TS15_01_6_17	0.104	0.012	11.53846	0.447	0.022	4.9217	253	0.8208	0.514249	1.966276	317.7018	39.57697
TS15_01_7_17	0.0907	0.005	5.512679	0.455	0.023	5.054945	253	0.8208	0.524645	2.043857	272.1106	19.04619
TS15_01_8_17	0.0914	0.0056	6.126915	0.429	0.026	6.060606	253	0.8208	0.490858	2.356288	293.2169	23.14639
TS15_01_9_17	0.0925	0.0034	3.675676	0.403	0.019	4.71464	253	0.8208	0.457071	1.761233	315.8779	16.46084
TS15_01_10_17	0.089	0.0071	7.977528	0.435	0.025	5.747126	253	0.8208	0.498655	2.254856	281.4048	26.30526
TS15_01_11_17	0.0806	0.0047	5.831266	0.395	0.035	8.860759	253	0.8208	0.446675	3.269136	281.2707	25.13814
TS15_01_12_17	0.0837	0.0031	3.703704	0.344	0.018	5.232558	253	0.8208	0.380401	1.779737	325.9336	17.15039
TS15_01_13_17	0.0769	0.004	5.20156	0.352	0.029	8.238636	253	0.8208	0.390797	2.838848	295.1393	23.21263
TS15_01_14_17	0.0753	0.003	3.984064	0.36	0.028	7.777778	253	0.8208	0.401193	2.714855	284.3074	19.54573
TS15_01_1_18	0.247	0.05	20.24291	0.668	0.029	4.341317	253	0.8208	0.801437	2.366176	308.6559	65.39374
TS15_01_2_18	0.137	0.024	17.51825	0.594	0.057	9.59596	253	0.8208	0.705275	4.733951	255.1718	51.62433
TS15_01_3_18	0.085	0.01	11.76471	0.484	0.062	12.80992	253	0.8208	0.56233	5.406507	235.4659	38.20733
TS15_01_4_18	0.0666	0.0055	8.258258	0.354	0.044	12.42938	253	0.8208	0.393396	4.29676	255.3109	30.965
TS15_01_5_18	0.0569	0.003	5.272408	0.275	0.015	5.454545	253	0.8208	0.290736	1.651276	255.0463	16.16509
TS15_01_6_18	0.0541	0.0033	6.099815	0.237	0.016	6.751055	253	0.8208	0.241355	1.909606	259.2929	19.01314
TS15_01_7_18	0.0515	0.0022	4.271845	0.22	0.01	4.545455	253	0.8208	0.219263	1.246151	254.1217	12.80645
TS15_01_8_18	0.0496	0.0019	3.830645	0.2038	0.0083	4.07262	253	0.8208	0.198212	1.083275	251.3991	11.27249
TS15_01_9_18	0.0487	0.0018	3.696099	0.2048	0.0061	2.978516	253	0.8208	0.199511	0.793742	246.531	10.10109
TS15_01_10_18	0.0497	0.00093	1.871227	0.197	0.01	5.076142	253	0.8208	0.189375	1.333052	254.6182	8.453943
TS15_01_11_18	0.0484	0.0017	3.512397	0.175	0.011	6.285714	253	0.8208	0.160786	1.583682	256.6622	12.37211
TS15_01_12_18	0.0468	0.0012	2.564103	0.1675	0.0055	3.283582	253	0.8208	0.15104	0.815778	251.1674	7.779386
TS15_01_13_18	0.0472	0.0023	4.872881	0.1737	0.0074	4.260219	253	0.8208	0.159097	1.070746	250.9151	13.60437
TS15_01_14_18	0.0464	0.0021	4.525862	0.1687	0.0034	2.015412	253	0.8208	0.152599	0.501832	248.6128	11.73966

TS15_01_1_19	0.243	0.073	30.04115	0.77	0.1	12.98701	253	0.8208	0.933986	8.070089	102.5894	35.16924
TS15_01_2_19	0.126	0.011	8.730159	0.77	0.13	16.88312	253	0.8208	0.933986	10.49112	53.39826	12.17417
TS15_01_3_19	0.107	0.01	9.345794	0.56	0.062	11.07143	253	0.8208	0.661092	5.210182	229.6287	32.63866
TS15_01_4_19	0.1023	0.0058	5.669599	0.478	0.023	4.811715	253	0.8208	0.554533	2.012998	287.2741	20.39547
TS15_01_5_19	0.0972	0.0082	8.436214	0.521	0.045	8.637236	253	0.8208	0.610411	3.846191	239.6043	27.80971
TS15_01_6_19	0.0874	0.0091	10.4119	0.494	0.057	11.53846	253	0.8208	0.575325	4.941563	234.9354	34.25735
TS15_01_7_19	0.0782	0.0032	4.092072	0.524	0.056	10.68702	253	0.8208	0.61431	4.77945	191.5556	20.18513
TS15_01_8_19	0.0801	0.0034	4.244694	0.462	0.035	7.575758	253	0.8208	0.533741	3.095218	236.3694	18.04571
TS15_01_9_19	0.0755	0.0074	9.801325	0.496	0.059	11.89516	253	0.8208	0.577924	5.10918	202.221	29.02113
TS15_01_10_19	0.0739	0.0054	7.307172	0.472	0.055	11.65254	253	0.8208	0.546736	4.831949	212.3927	26.10813
TS15_01_11_19	0.072	0.0044	6.111111	0.416	0.029	6.971154	253	0.8208	0.473964	2.656972	239.645	19.74234
TS15_01_12_19	0.0698	0.0047	6.733524	0.403	0.031	7.692308	253	0.8208	0.457071	2.87359	239.7809	21.59063
TS15_01_13_19	0.0691	0.0058	8.393632	0.374	0.038	10.16043	253	0.8208	0.419386	3.62674	253.5795	28.62783
TS15_01_14_19	0.0672	0.0073	10.8631	0.396	0.046	11.61616	253	0.8208	0.447975	4.292421	234.8081	33.02569
TS15_01_1_20	0.0497	0.0026	5.231388	0.267	0.028	10.48689	253	0.8208	0.28034	3.130411	226.542	18.78422
TS15_01_2_20	0.049	0.0017	3.469388	0.23	0.018	7.826087	253	0.8208	0.232258	2.18551	238.0596	13.51918
TS15_01_3_20	0.0497	0.0021	4.225352	0.214	0.018	8.411215	253	0.8208	0.211466	2.280387	247.811	15.6879
TS15_01_4_20	0.051	0.0017	3.333333	0.212	0.015	7.075472	253	0.8208	0.208867	1.911109	254.9882	13.1775
TS15_01_5_20	0.0509	0.0011	2.1611	0.206	0.016	7.76699	253	0.8208	0.20107	2.074481	256.9568	12.25173
TS15_01_6_20	0.0523	0.0016	3.059273	0.213	0.011	5.164319	253	0.8208	0.210167	1.397505	260.9371	11.02515
TS15_01_7_20	0.0534	0.0021	3.932584	0.216	0.012	5.555556	253	0.8208	0.214065	1.511801	265.0256	13.40685
TS15_01_8_20	0.0516	0.0028	5.426357	0.2079	0.0079	3.799904	253	0.8208	0.20354	1.018532	259.6313	15.33743
TS15_01_9_20	0.0525	0.0016	3.047619	0.207	0.012	5.797101	253	0.8208	0.20237	1.551248	264.4482	11.72923
TS15_01_10_20	0.0531	0.0015	2.824859	0.227	0.02	8.810573	253	0.8208	0.22836	2.446898	258.868	14.90796
TS15_01_11_20	0.0551	0.0037	6.715064	0.257	0.014	5.447471	253	0.8208	0.267345	1.597497	255.1217	19.3233
TS15_01_12_20	0.0559	0.0037	6.618962	0.266	0.014	5.263158	253	0.8208	0.27904	1.568317	254.7025	19.00125
TS15_01_13_20	0.0592	0.0027	4.560811	0.274	0.014	5.109489	253	0.8208	0.289436	1.54411	265.6225	14.91882
TS15_01_14_20	0.0572	0.0034	5.944056	0.281	0.019	6.761566	253	0.8208	0.298533	2.068489	253.6011	18.70464
TS15_01_1_21	0.62	0.23	37.09677	0.792	0.036	4.545455	253	0.8208	0.962575	2.902904	147.8722	55.922
TS15_01_2_21	0.27	0.064	23.7037	0.714	0.027	3.781513	253	0.8208	0.861214	2.188522	237.1456	57.96567
TS15_01_3_21	0.171	0.0081	4.736842	0.688	0.052	7.55814	253	0.8208	0.827427	4.229108	187.4806	18.41544
TS15_01_4_21	0.143	0.017	11.88811	0.622	0.07	11.25402	253	0.8208	0.74166	5.768024	233.8536	39.32945
TS15_01_5_21	0.1091	0.0083	7.607699	0.57	0.02	3.508772	253	0.8208	0.674087	1.674443	225.235	19.02472
TS15_01_6_21	0.0926	0.0032	3.455724	0.516	0.056	10.85271	253	0.8208	0.603914	4.7982	232.206	24.07094
TS15_01_7_21	0.0777	0.0066	8.494208	0.406	0.022	5.418719	253	0.8208	0.460969	2.033684	264.4921	25.3774

TS15_01_8_21	0.0667	0.0057	8.545727	0.38	0.03	7.894737	253	0.8208	0.427183	2.844917	241.709	25.237
TS15_01_9_21	0.0609	0.0052	8.538588	0.332	0.02	6.024096	253	0.8208	0.364807	2.009032	244.666	23.48943
TS15_01_10_21	0.0544	0.0019	3.492647	0.29	0.024	8.275862	253	0.8208	0.310228	2.571468	237.4647	15.02042
TS15_01_11_21	0.0513	0.0015	2.923977	0.257	0.012	4.669261	253	0.8208	0.267345	1.369284	237.8476	9.699241
TS15_01_12_21	0.0486	0.0014	2.880658	0.24	0.013	5.416667	253	0.8208	0.245253	1.540553	232.2254	9.966097
TS15_01_13_21	0.0508	0.0043	8.464567	0.223	0.014	6.278027	253	0.8208	0.223162	1.730728	249.5058	23.22269
TS15_01_14_21	0.047	0.0044	9.361702	0.218	0.014	6.422018	253	0.8208	0.216664	1.754095	233.0715	23.68399
TS15_01_1_22	0.115	0.012	10.43478	0.547	0.031	5.667276	253	0.8208	0.644198	2.618702	258.5157	30.7228
TS15_01_2_22	0.1036	0.004	3.861004	0.533	0.029	5.440901	253	0.8208	0.626005	2.46472	245.0544	15.62059
TS15_01_3_22	0.1016	0.0068	6.692913	0.526	0.042	7.984791	253	0.8208	0.616909	3.581181	246.1479	24.54913
TS15_01_4_22	0.0984	0.0053	5.386179	0.556	0.043	7.733813	253	0.8208	0.655894	3.619153	214.6619	19.66374
TS15_01_5_22	0.1097	0.0088	8.021878	0.557	0.039	7.001795	253	0.8208	0.657193	3.281196	237.9761	25.07626
TS15_01_6_22	0.11	0.016	14.54545	0.494	0.069	13.96761	253	0.8208	0.575325	5.981893	294.3173	56.46718
TS15_01_7_22	0.06	0.016	26.66667	0.291	0.053	18.21306	253	0.8208	0.311528	5.66889	260.9376	76.70443
TS15_01_8_22	0.0435	0.002	4.597701	0.198	0.02	10.10101	253	0.8208	0.190675	2.657637	223.0466	15.93007
TS15_01_9_22	0.0485	0.0029	5.979381	0.22	0.026	11.81818	253	0.8208	0.219263	3.239993	239.5901	21.4868
TS15_01_10_22	0.0514	0.0031	6.031128	0.263	0.013	4.942966	253	0.8208	0.275142	1.465105	235.8125	16.08454
TS15_01_11_22	0.0523	0.0028	5.353728	0.286	0.012	4.195804	253	0.8208	0.30503	1.29475	230.1496	13.91944
TS15_01_12_22	0.0582	0.0045	7.731959	0.304	0.02	6.578947	253	0.8208	0.328421	2.0937	247.1644	22.11729
TS15_01_13_22	0.0603	0.0029	4.809287	0.318	0.024	7.54717	253	0.8208	0.346614	2.459132	249.1077	17.44751
TS15_01_14_22	0.0627	0.004	6.379585	0.354	0.012	3.389831	253	0.8208	0.393396	1.171844	240.6358	16.64232
TS15_01_1_23	0.0464	0.0018	3.87931	0.1823	0.0083	4.552935	253	0.8208	0.170272	1.162972	243.5245	11.21597
TS15_01_2_23	0.0522	0.0033	6.321839	0.229	0.022	9.606987	253	0.8208	0.230959	2.677918	253.7251	21.40619
TS15_01_3_23	0.0565	0.0033	5.840708	0.276	0.016	5.797101	253	0.8208	0.292035	1.758051	252.8331	17.55518
TS15_01_4_23	0.0588	0.0021	3.571429	0.288	0.021	7.291667	253	0.8208	0.307629	2.257864	257.2411	15.09202
TS15_01_5_23	0.0621	0.0022	3.542673	0.283	0.023	8.127208	253	0.8208	0.301132	2.494915	273.8717	17.09814
TS15_01_6_23	0.061	0.0032	5.245902	0.297	0.021	7.070707	253	0.8208	0.319325	2.22354	262.2552	18.3815
TS15_01_7_23	0.0612	0.0024	3.921569	0.294	0.017	5.782313	253	0.8208	0.315426	1.809063	264.5741	14.39446
TS15_01_8_23	0.0628	0.0037	5.89172	0.282	0.017	6.028369	253	0.8208	0.299832	1.847397	277.3974	19.68237
TS15_01_9_23	0.0626	0.0029	4.632588	0.276	0.016	5.797101	253	0.8208	0.292035	1.758051	279.5463	16.59421
TS15_01_10_23	0.0621	0.0028	4.508857	0.277	0.018	6.498195	253	0.8208	0.293335	1.974113	276.8625	16.9321
TS15_01_11_23	0.0607	0.0016	2.635914	0.285	0.015	5.263158	253	0.8208	0.303731	1.621309	266.8483	11.37511
TS15_01_12_23	0.0609	0.0035	5.747126	0.278	0.017	6.115108	253	0.8208	0.294634	1.860979	271.1345	18.9329
TS15_01_13_23	0.0591	0.0022	3.722504	0.286	0.011	3.846154	253	0.8208	0.30503	1.186854	259.4788	11.67888

TS15_01_14_23	0.0576	0.0025	4.340278	0.3	0.02	6.666667	253	0.8208	0.323223	2.107239	246.522	15.18498
TS15_01_1_24	0.0882	0.007	7.936508	0.506	0.042	8.300395	253	0.8208	0.590919	3.617249	228.4949	24.92987
TS15_01_2_24	0.0839	0.0074	8.820024	0.519	0.047	9.055877	253	0.8208	0.607812	4.021066	208.7012	25.26867
TS15_01_3_24	0.0846	0.0029	3.427896	0.475	0.05	10.52632	253	0.8208	0.550635	4.384306	240.5254	23.03162
TS15_01_4_24	0.0833	0.0035	4.201681	0.457	0.035	7.658643	253	0.8208	0.527244	3.105866	248.9925	19.00998
TS15_01_5_24	0.0783	0.0045	5.747126	0.459	0.054	11.76471	253	0.8208	0.529843	4.785275	233.05	26.43837
TS15_01_6_24	0.0788	0.0068	8.629442	0.491	0.034	6.924644	253	0.8208	0.571427	2.952666	214.1102	22.72448
TS15_01_7_24	0.068	0.0033	4.852941	0.488	0.025	5.122951	253	0.8208	0.567528	2.174873	186.8427	12.3429
TS15_01_8_24	0.0689	0.0041	5.950653	0.501	0.044	8.782435	253	0.8208	0.584422	3.799707	181.9893	17.79135
TS15_01_9_24	0.0673	0.0046	6.835067	0.502	0.05	9.960159	253	0.8208	0.585721	4.3155	177.2724	19.75758
TS15_01_10_24	0.0704	0.0057	8.096591	0.454	0.051	11.23348	253	0.8208	0.523345	4.53523	212.7688	26.24755
TS15_01_11_24	0.0715	0.0049	6.853147	0.385	0.022	5.714286	253	0.8208	0.43368	2.075476	255.8811	20.88029
TS15_01_12_24	0.0671	0.0044	6.557377	0.399	0.029	7.26817	253	0.8208	0.451873	2.698326	232.8387	20.10396
TS15_01_13_24	0.0595	0.0061	10.2521	0.41	0.026	6.341463	253	0.8208	0.466167	2.394753	201.5731	23.12821
TS15_01_14_24	0.0585	0.0042	7.179487	0.421	0.025	5.938242	253	0.8208	0.480462	2.280706	193.0073	16.64388
TS15_01_1_25	0.0579	0.0059	10.18998	0.297	0.057	19.19192	253	0.8208	0.319325	6.035323	249.1817	40.00878
TS15_01_2_25	0.0486	0.003	6.17284	0.221	0.012	5.429864	253	0.8208	0.220563	1.491376	239.6828	16.71955
TS15_01_3_25	0.0522	0.0015	2.873563	0.203	0.0085	4.187192	253	0.8208	0.197172	1.112079	264.6465	9.809289
TS15_01_4_25	0.0531	0.0027	5.084746	0.213	0.011	5.164319	253	0.8208	0.210167	1.397505	264.8476	15.66825
TS15_01_5_25	0.053	0.0014	2.641509	0.221	0.019	8.597285	253	0.8208	0.220563	2.361345	260.9489	14.39415
TS15_01_6_25	0.0546	0.0024	4.395604	0.24	0.019	7.916667	253	0.8208	0.245253	2.251578	260.3236	16.69536
TS15_01_7_25	0.0554	0.0019	3.429603	0.23	0.013	5.652174	253	0.8208	0.232258	1.578424	268.5139	12.76796
TS15_01_8_25	0.0558	0.0033	5.913978	0.24	0.014	5.833333	253	0.8208	0.245253	1.659057	265.9286	18.3841
TS15_01_9_25	0.0594	0.0036	6.060606	0.2445	0.0093	3.803681	253	0.8208	0.251101	1.09067	280.5709	18.4448
TS15_01_10_25	0.0593	0.0026	4.384486	0.246	0.011	4.471545	253	0.8208	0.25305	1.285655	279.3951	14.49716
TS15_01_11_25	0.0584	0.0044	7.534247	0.263	0.011	4.18251	253	0.8208	0.275142	1.239704	267.2699	21.60847
TS15_01_12_25	0.0568	0.0018	3.169014	0.295	0.023	7.79661	253	0.8208	0.316726	2.443443	245.4525	14.55549
TS15_01_13_25	0.0593	0.0022	3.709949	0.28	0.026	9.285714	253	0.8208	0.297233	2.835736	263.2013	18.18095
TS15_01_14_25	0.0578	0.0028	4.844291	0.2737	0.004	1.461454	253	0.8208	0.289046	0.441426	259.6051	13.03087
TS15_01_1_26	0.0662	0.0053	8.006042	0.401	0.026	6.483791	253	0.8208	0.454472	2.41462	228.7003	21.73012
TS15_01_2_26	0.0619	0.0032	5.169628	0.381	0.02	5.249344	253	0.8208	0.428482	1.894623	224.1133	14.60092
TS15_01_3_26	0.0722	0.0062	8.587258	0.404	0.018	4.455446	253	0.8208	0.45837	1.666989	247.287	23.1803
TS15_01_4_26	0.0723	0.0034	4.702628	0.41	0.023	5.609756	253	0.8208	0.466167	2.118435	244.125	15.72962
TS15_01_5_26	0.0716	0.0025	3.49162	0.402	0.017	4.228856	253	0.8208	0.455772	1.57731	246.4253	11.80955
TS15_01_6_26	0.0683	0.0033	4.831625	0.412	0.02	4.854369	253	0.8208	0.468766	1.838836	229.7535	14.18673

TS15_01_7_26	0.0646	0.0027	4.179567	0.394	0.022	5.583756	253	0.8208	0.445376	2.056887	226.9255	13.53075
TS15_01_8_26	0.0656	0.0031	4.72561	0.395	0.026	6.582278	253	0.8208	0.446675	2.428501	229.846	15.8372
TS15_01_9_26	0.0681	0.0035	5.139501	0.399	0.03	7.518797	253	0.8208	0.451873	2.791372	236.2459	18.23365
TS15_01_10_26	0.071	0.0053	7.464789	0.402	0.03	7.462687	253	0.8208	0.455772	2.783489	244.3989	23.15384
TS15_01_11_26	0.0677	0.0038	5.612999	0.393	0.025	6.361323	253	0.8208	0.444076	2.339659	238.1634	17.70531
TS15_01_12_26	0.0732	0.004	5.464481	0.414	0.028	6.763285	253	0.8208	0.471365	2.569834	244.7454	18.68614
TS15_01_13_26	0.0741	0.004	5.398111	0.445	0.019	4.269663	253	0.8208	0.51165	1.700659	229.1532	14.86654
TS15_01_14_26	0.0764	0.0049	6.413613	0.449	0.027	6.013363	253	0.8208	0.516848	2.409631	233.6688	19.06164
TS15_01_1_27	0.0696	0.0032	4.597701	0.378	0.048	12.69841	253	0.8208	0.424584	4.561502	253.1366	26.32125
TS15_01_2_27	0.0677	0.0029	4.283604	0.342	0.035	10.23392	253	0.8208	0.377802	3.469492	265.9778	22.10536
TS15_01_3_27	0.0707	0.0041	5.799151	0.35	0.035	10	253	0.8208	0.388198	3.434626	272.9739	25.01822
TS15_01_4_27	0.0707	0.0035	4.950495	0.34	0.011	3.235294	253	0.8208	0.375203	1.093245	278.6484	15.39232
TS15_01_5_27	0.0677	0.0042	6.20384	0.316	0.028	8.860759	253	0.8208	0.344015	2.877497	280.1116	24.18052
TS15_01_6_27	0.065	0.0028	4.307692	0.281	0.024	8.540925	253	0.8208	0.298533	2.612828	287.4228	19.87485
TS15_01_7_27	0.0628	0.0042	6.687898	0.282	0.032	11.34752	253	0.8208	0.299832	3.477454	277.3974	27.2918
TS15_01_8_27	0.0586	0.0056	9.556314	0.274	0.033	12.0438	253	0.8208	0.289436	3.639687	262.9845	32.16525
TS15_01_9_27	0.0554	0.0032	5.776173	0.258	0.017	6.589147	253	0.8208	0.268644	1.93575	256.0375	18.1366
TS15_01_10_27	0.0562	0.0033	5.871886	0.249	0.018	7.228916	253	0.8208	0.256949	2.089728	263.7298	19.37315
TS15_01_11_27	0.054	0.0024	4.444444	0.228	0.014	6.140351	253	0.8208	0.229659	1.708459	262.733	15.01586
TS15_01_12_27	0.0536	0.0033	6.156716	0.2235	0.0051	2.281879	253	0.8208	0.223812	0.629651	262.7658	16.83186
TS15_01_13_27	0.0532	0.0027	5.075188	0.223	0.016	7.174888	253	0.8208	0.223162	1.977975	261.058	17.12067
TS15_01_14_27	0.0547	0.0031	5.667276	0.239	0.012	5.020921	253	0.8208	0.243954	1.425404	261.2309	16.89046
TS15_01_1_28	0.055	0.0028	5.090909	0.242	0.014	5.785124	253	0.8208	0.247852	1.651333	261.3077	16.16258
TS15_01_2_28	0.0548	0.0032	5.839416	0.2344	0.0084	3.583618	253	0.8208	0.237976	1.008862	263.7263	16.60997
TS15_01_3_28	0.0542	0.0033	6.088561	0.253	0.015	5.928854	253	0.8208	0.262147	1.726269	252.7812	18.01925
TS15_01_4_28	0.0654	0.0043	6.574924	0.285	0.021	7.368421	253	0.8208	0.303731	2.269832	287.0568	23.41125
TS15_01_5_28	0.0672	0.0029	4.315476	0.2782	0.009	3.235083	253	0.8208	0.294894	0.984859	298.4354	14.47357
TS15_01_6_28	0.0676	0.0022	3.254438	0.305	0.017	5.57377	253	0.8208	0.32972	1.77682	285.6686	14.05969
TS15_01_7_28	0.0689	0.0053	7.692308	0.314	0.027	8.598726	253	0.8208	0.341416	2.783051	286.0729	27.71437
TS15_01_8_28	0.0618	0.0037	5.987055	0.315	0.027	8.571429	253	0.8208	0.342715	2.778875	256.676	21.35562
TS15_01_9_28	0.0618	0.0024	3.883495	0.311	0.023	7.395498	253	0.8208	0.337517	2.381572	258.6657	16.19957
TS15_01_10_28	0.0604	0.003	4.966887	0.277	0.023	8.303249	253	0.8208	0.293335	2.522478	269.4395	19.45028
TS15_01_11_28	0.0508	0.0063	12.40157	0.234	0.024	10.25641	253	0.8208	0.237456	2.885279	245.0009	34.06698
TS15_01_12_28	0.0558	0.0024	4.301075	0.246	0.025	10.1626	253	0.8208	0.25305	2.921943	263.2367	19.46651

TS15_01_13_28	0.056	0.0027	4.821429	0.262	0.019	7.251908	253	0.8208	0.273842	2.14567	256.9526	16.89806
TS15_01_14_28	0.06	0.0029	4.833333	0.253	0.022	8.695652	253	0.8208	0.262147	2.531861	279.2536	19.94693
TS15_01_1_29	0.0907	0.0057	6.284454	0.45	0.038	8.444444	253	0.8208	0.518147	3.388875	275.7516	25.98813
TS15_01_2_29	0.0952	0.0035	3.676471	0.444	0.021	4.72973	253	0.8208	0.51035	1.881077	293.7039	15.78757
TS15_01_3_29	0.0911	0.0044	4.829857	0.443	0.017	3.837472	253	0.8208	0.509051	1.523917	282.0573	16.44523
TS15_01_4_29	0.0938	0.0053	5.65032	0.462	0.018	3.896104	253	0.8208	0.533741	1.591826	275.9433	18.25898
TS15_01_5_29	0.0977	0.0051	5.220061	0.444	0.034	7.657658	253	0.8208	0.51035	3.045553	301.2392	24.69122
TS15_01_6_29	0.0966	0.0064	6.625259	0.458	0.02	4.366812	253	0.8208	0.528543	1.773549	287.0982	22.02555
TS15_01_7_29	0.1	0.011	11	0.462	0.032	6.926407	253	0.8208	0.533741	2.829913	293.773	37.07569
TS15_01_8_29	0.1064	0.009	8.458647	0.43	0.038	8.837209	253	0.8208	0.492157	3.441026	339.2435	37.87253
TS15_01_9_29	0.0973	0.0065	6.68037	0.445	0.039	8.764045	253	0.8208	0.51165	3.490827	299.2561	29.53064
TS15_01_10_29	0.0994	0.0041	4.124748	0.457	0.033	7.221007	253	0.8208	0.527244	2.928388	296.0275	21.66385
TS15_01_11_29	0.1002	0.0072	7.185629	0.44	0.03	6.818182	253	0.8208	0.505152	2.695381	311.9655	28.64914
TS15_01_12_29	0.1	0.0086	8.6	0.46	0.035	7.608696	253	0.8208	0.531142	3.099438	295.3736	31.96233
TS15_01_13_29	0.1001	0.009	8.991009	0.479	0.021	4.384134	253	0.8208	0.555833	1.836818	280.4262	27.77773
TS15_01_14_29	0.0967	0.0055	5.687694	0.476	0.018	3.781513	253	0.8208	0.551934	1.577357	273.4284	18.14079
TS15_01_1_30	0.0817	0.0062	7.588739	0.492	0.081	16.46341	253	0.8208	0.572726	7.030243	221.1946	35.85519
TS15_01_2_30	0.0731	0.005	6.839945	0.39	0.041	10.51282	253	0.8208	0.440178	3.848443	258.5517	27.10694
TS15_01_3_30	0.0672	0.0032	4.761905	0.338	0.015	4.43787	253	0.8208	0.372604	1.494703	266.2141	15.26311
TS15_01_4_30	0.0619	0.0031	5.008078	0.305	0.022	7.213115	253	0.8208	0.32972	2.299414	262.0639	18.15997
TS15_01_5_30	0.0605	0.0042	6.942149	0.276	0.019	6.884058	253	0.8208	0.292035	2.087686	270.3624	22.32928
TS15_01_6_30	0.0543	0.0036	6.629834	0.241	0.0078	3.236515	253	0.8208	0.246553	0.922171	258.4846	18.12379
TS15_01_7_30	0.0524	0.0026	4.961832	0.217	0.018	8.294931	253	0.8208	0.215365	2.261452	259.7398	17.77024
TS15_01_8_30	0.0521	0.002	3.838772	0.206	0.014	6.796117	253	0.8208	0.20107	1.815171	262.8928	14.16153
TS15_01_9_30	0.0501	0.0011	2.195609	0.194	0.012	6.185567	253	0.8208	0.185477	1.615246	257.8371	10.26703
TS15_01_10_30	0.0482	0.0023	4.771784	0.192	0.013	6.770833	253	0.8208	0.182878	1.761424	249.0216	15.04166
TS15_01_11_30	0.0476	0.0012	2.521008	0.19	0.012	6.315789	253	0.8208	0.180279	1.63686	246.7478	10.38468
TS15_01_12_30	0.0472	0.0018	3.813559	0.204	0.013	6.372549	253	0.8208	0.198472	1.695669	239.3815	12.43419
TS15_01_13_30	0.0487	0.0016	3.285421	0.199	0.02	10.05025	253	0.8208	0.191974	2.649262	248.8081	15.79568
TS15_01_14_30	0.0475	0.00098	2.063158	0.206	0.022	10.67961	253	0.8208	0.20107	2.852411	240.1083	14.82362
TS15_01_1_31	0.0892	0.0051	5.717489	0.469	0.049	10.44776	253	0.8208	0.542838	4.313188	257.659	27.14824
TS15_01_2_31	0.0828	0.0025	3.019324	0.408	0.022	5.392157	253	0.8208	0.463568	2.029984	280.1507	14.47079
TS15_01_3_31	0.0784	0.0047	5.994898	0.439	0.045	10.25057	253	0.8208	0.503853	4.046167	245.9982	25.20388
TS15_01_4_31	0.0726	0.004	5.509642	0.42	0.045	10.71429	253	0.8208	0.479162	4.108751	239.2614	24.07137

TS15_01_5_31	0.0707	0.0031	4.384724	0.409	0.033	8.06846	253	0.8208	0.464868	3.042226	239.392	18.26545
TS15_01_6_31	0.0784	0.0042	5.357143	0.396	0.021	5.30303	253	0.8208	0.447975	1.959584	273.1245	18.49213
TS15_01_7_31	0.0727	0.0061	8.390646	0.409	0.021	5.134474	253	0.8208	0.464868	1.935962	246.0365	23.13394
TS15_01_8_31	0.0736	0.0046	6.25	0.402	0.024	5.970149	253	0.8208	0.455772	2.226791	253.1752	19.78595
TS15_01_9_31	0.0746	0.0046	6.16622	0.417	0.026	6.235012	253	0.8208	0.475264	2.380052	247.533	19.62739
TS15_01_10_31	0.0722	0.0057	7.894737	0.414	0.019	4.589372	253	0.8208	0.471365	1.743816	241.4637	21.20054
TS15_01_11_31	0.0734	0.0061	8.310627	0.402	0.023	5.721393	253	0.8208	0.455772	2.134008	252.5005	24.01319
TS15_01_12_31	0.072	0.0031	4.305556	0.391	0.023	5.882353	253	0.8208	0.441477	2.156737	254.1571	15.77988
TS15_01_13_31	0.0705	0.0031	4.397163	0.413	0.031	7.506053	253	0.8208	0.470066	2.847677	236.4504	17.30589
TS15_01_14_31	0.0708	0.0026	3.672316	0.411	0.037	9.002433	253	0.8208	0.467467	3.404872	238.5814	18.77709
TS15_01_1_32	1.71	0.23	13.45029	0.764	0.071	9.293194	253	0.8208	0.926189	5.731501	766.25	142.2105
TS15_01_2_32	1.44	0.3	20.83333	0.68	0.044	6.470588	253	0.8208	0.817031	3.582851	1507.597	363.7363
TS15_01_3_32	0.71	0.29	40.84507	0.605	0.094	15.53719	253	0.8208	0.719569	7.78132	1170.516	537.9371
TS15_01_4_32	0.081	0.045	55.55556	0.278	0.08	28.77698	253	0.8208	0.294634	8.757546	358.1761	211.054
TS15_01_5_32	0.0444	0.002	4.504505	0.1569	0.0093	5.927342	253	0.8208	0.137265	1.444153	242.3206	13.19977
TS15_01_6_32	0.04355	0.00071	1.63031	0.1379	0.0067	4.858593	253	0.8208	0.112575	1.14537	244.4432	7.001068
TS15_01_7_32	0.0446	0.0024	5.381166	0.1451	0.0096	6.616127	253	0.8208	0.121931	1.578613	247.6357	15.73135
TS15_01_8_32	0.0428	0.0021	4.906542	0.1555	0.0053	3.40836	253	0.8208	0.135446	0.828319	234.2288	12.34117
TS15_01_9_32	0.044	0.0014	3.181818	0.189	0.016	8.465608	253	0.8208	0.178979	2.189894	228.7685	12.59455
TS15_01_10_32	0.0446	0.0016	3.587444	0.2048	0.0092	4.492188	253	0.8208	0.199511	1.197119	226.1355	9.918719
TS15_01_11_32	0.0464	0.0022	4.741379	0.209	0.016	7.655502	253	0.8208	0.204969	2.05622	233.5233	14.90825
TS15_01_12_32	0.0476	0.0026	5.462185	0.192	0.01	5.208333	253	0.8208	0.182878	1.354942	245.9802	15.27025
TS15_01_13_32	0.0472	0.0018	3.813559	0.2059	0.0097	4.711025	253	0.8208	0.200941	1.258029	238.6576	11.09854
TS15_01_14_32	0.0487	0.0024	4.928131	0.2262	0.0089	3.934571	253	0.8208	0.22732	1.091111	238.1227	13.06078
TS15_01_1_33	0.1253	0.0096	7.661612	0.589	0.056	9.50764	253	0.8208	0.698777	4.658217	238.8293	29.28171
TS15_01_2_33	0.115	0.013	11.30435	0.487	0.03	6.160164	253	0.8208	0.566229	2.611384	313.8076	39.91989
TS15_01_3_33	0.0924	0.0047	5.08658	0.42	0.042	10	253	0.8208	0.479162	3.834834	303.0023	28.48832
TS15_01_4_33	0.0772	0.0085	11.01036	0.344	0.014	4.069767	253	0.8208	0.380401	1.38424	301.204	34.91272
TS15_01_5_33	0.0617	0.0038	6.158833	0.293	0.028	9.556314	253	0.8208	0.314127	2.98468	267.1875	23.35578
TS15_01_6_33	0.0548	0.002	3.649635	0.2337	0.0072	3.080873	253	0.8208	0.237067	0.866219	264.0347	10.87914
TS15_01_7_33	0.0511	0.0028	5.479452	0.198	0.02	10.10101	253	0.8208	0.190675	2.657637	261.2359	20.32004
TS15_01_8_33	0.047	0.0025	5.319149	0.176	0.011	6.25	253	0.8208	0.162086	1.577644	249.001	15.68189
TS15_01_9_33	0.0467	0.0024	5.139186	0.1653	0.0095	5.747126	253	0.8208	0.148181	1.422005	251.4688	15.04467
TS15_01_10_33	0.0466	0.0022	4.72103	0.171	0.011	6.432749	253	0.8208	0.155588	1.608628	248.8002	14.47566

TS15_01_11_33	0.047	0.0021	4.468085	0.1859	0.0087	4.679935	253	0.8208	0.174951	1.203554	245.2497	12.67432
TS15_01_12_33	0.0535	0.0028	5.233645	0.212	0.017	8.018868	253	0.8208	0.208867	2.165924	267.232	18.51021
TS15_01_13_33	0.05614	0.00086	1.531885	0.235	0.019	8.085106	253	0.8208	0.238756	2.278622	269.7712	13.23174
TS15_01_14_33	0.0541	0.0028	5.175601	0.283	0.023	8.127208	253	0.8208	0.301132	2.494915	239.2364	17.49865
TS15_01_1_34	0.091	0.018	19.78022	0.504	0.044	8.730159	253	0.8208	0.58832	3.793544	237.0875	50.96103
TS15_01_2_34	0.0647	0.0052	8.037094	0.383	0.061	15.92689	253	0.8208	0.431081	5.766589	233.0235	33.27018
TS15_01_3_34	0.0566	0.0029	5.123675	0.273	0.024	8.791209	253	0.8208	0.288137	2.652089	254.6393	19.12634
TS15_01_4_34	0.0538	0.0024	4.460967	0.217	0.016	7.373272	253	0.8208	0.215365	2.01018	266.5379	16.32121
TS15_01_5_34	0.0538	0.0024	4.460967	0.22	0.012	5.454545	253	0.8208	0.219263	1.495381	265.2404	14.52613
TS15_01_6_34	0.0557	0.0022	3.949731	0.224	0.014	6.25	253	0.8208	0.224461	1.726189	272.6222	14.59163
TS15_01_7_34	0.0529	0.0029	5.482042	0.219	0.017	7.762557	253	0.8208	0.217964	2.124186	261.3175	18.4696
TS15_01_8_34	0.0533	0.0039	7.317073	0.229	0.016	6.9869	253	0.8208	0.230959	1.947577	258.9659	21.86623
TS15_01_9_34	0.056	0.0024	4.285714	0.224	0.016	7.142857	253	0.8208	0.224461	1.972787	274.0597	16.28862
TS15_01_10_34	0.0543	0.0018	3.314917	0.2526	0.0064	2.53365	253	0.8208	0.261627	0.737179	253.4135	9.370135
TS15_01_11_34	0.0534	0.0027	5.05618	0.252	0.01	3.968254	253	0.8208	0.260847	1.153342	249.5516	14.12527
TS15_01_12_34	0.0558	0.0037	6.630824	0.255	0.012	4.705882	253	0.8208	0.264746	1.3751	259.1968	18.95777
TS15_01_13_34	0.0577	0.0023	3.986135	0.258	0.025	9.689922	253	0.8208	0.268644	2.846691	266.4504	18.87894
TS15_01_14_34	0.0584	0.0037	6.335616	0.266	0.034	12.78195	253	0.8208	0.27904	3.80877	265.8617	26.83616
TS15_01_1_35	0.061	0.014	22.95082	0.312	0.085	27.24359	253	0.8208	0.338817	8.78803	254.8916	74.72476
TS15_01_2_35	0.0484	0.0018	3.719008	0.21	0.016	7.619048	253	0.8208	0.206268	2.050258	243.0109	13.69486
TS15_01_3_35	0.0513	0.0033	6.432749	0.212	0.014	6.603774	253	0.8208	0.208867	1.783702	256.4587	19.21598
TS15_01_4_35	0.0583	0.0036	6.174957	0.259	0.026	10.03861	253	0.8208	0.269944	2.954388	268.6957	23.40701
TS15_01_5_35	0.0638	0.003	4.702194	0.307	0.019	6.188925	253	0.8208	0.332319	1.979611	268.9166	16.85798
TS15_01_6_35	0.0675	0.0033	4.888889	0.286	0.028	9.79021	253	0.8208	0.30503	3.021083	295.5256	23.4611
TS15_01_7_35	0.0648	0.004	6.17284	0.273	0.019	6.959707	253	0.8208	0.288137	2.09957	290.7103	22.16225
TS15_01_8_35	0.0583	0.0018	3.087479	0.287	0.021	7.317073	253	0.8208	0.30633	2.261823	255.5658	14.26232
TS15_01_9_35	0.0599	0.0019	3.171953	0.286	0.02	6.993007	253	0.8208	0.30503	2.157917	262.9205	14.35738
TS15_01_10_35	0.0596	0.0025	4.194631	0.288	0.02	6.944444	253	0.8208	0.307629	2.150346	260.6712	15.96115
TS15_01_11_35	0.0566	0.0021	3.710247	0.303	0.018	5.940594	253	0.8208	0.327122	1.887343	240.9515	12.98144
TS15_01_12_35	0.0604	0.0047	7.781457	0.283	0.019	6.713781	253	0.8208	0.301132	2.061016	266.5273	23.91739
TS15_01_13_35	0.0551	0.0023	4.174229	0.281	0.017	6.049822	253	0.8208	0.298533	1.850753	244.4649	13.88566
TS15_01_14_35	0.0553	0.0025	4.520796	0.287	0.023	8.013937	253	0.8208	0.30633	2.477235	242.6593	16.56415
TS15_01_1_36	0.0462	0.0023	4.978355	0.2215	0.0053	2.392777	253	0.8208	0.221213	0.657813	227.8667	11.93224
TS15_01_2_36	0.0479	0.0023	4.80167	0.211	0.011	5.21327	253	0.8208	0.207568	1.405496	240.1601	13.6001

TS15_01_3_36	0.0586	0.0037	6.313993	0.238	0.017	7.142857	253	0.8208	0.242654	2.024118	279.9281	21.42238
TS15_01_4_36	0.0608	0.0034	5.592105	0.258	0.014	5.426357	253	0.8208	0.268644	1.594147	280.4587	18.42566
TS15_01_5_36	0.0525	0.0014	2.666667	0.229	0.021	9.170306	253	0.8208	0.230959	2.556195	255.1549	14.99003
TS15_01_6_36	0.0498	0.0018	3.614458	0.212	0.01	4.716981	253	0.8208	0.208867	1.274073	249.1029	11.22209
TS15_01_7_36	0.0518	0.0029	5.598456	0.234	0.02	8.547009	253	0.8208	0.237456	2.404399	249.7315	18.76498
TS15_01_8_36	0.0551	0.0027	4.900181	0.24	0.015	6.25	253	0.8208	0.245253	1.777561	262.6596	16.20936
TS15_01_9_36	0.0554	0.0025	4.512635	0.255	0.011	4.313725	253	0.8208	0.264746	1.260508	257.3754	13.55883
TS15_01_10_36	0.0519	0.0016	3.082852	0.2503	0.0095	3.795445	253	0.8208	0.258638	1.099753	243.3838	9.386452
TS15_01_11_36	0.0532	0.0019	3.571429	0.252	0.013	5.15873	253	0.8208	0.260847	1.499345	248.6348	11.8105
TS15_01_12_36	0.0536	0.0018	3.358209	0.257	0.019	7.392996	253	0.8208	0.267345	2.168032	248.3085	13.86907
TS15_01_13_36	0.0554	0.0025	4.512635	0.25	0.011	4.4	253	0.8208	0.258248	1.274239	259.6046	13.71407
TS15_01_14_36	0.0589	0.0027	4.584041	0.249	0.016	6.425703	253	0.8208	0.256949	1.857536	276.1325	16.62557
TS15_01_1_37	0.228	0.02	8.77193	0.662	0.035	5.287009	253	0.8208	0.79364	2.858836	296.385	31.68051
TS15_01_2_37	0.1968	0.0073	3.70935	0.637	0.028	4.395604	253	0.8208	0.761153	2.298895	296.1085	17.87587
TS15_01_3_37	0.175	0.011	6.285714	0.662	0.039	5.891239	253	0.8208	0.79364	3.185561	228.6941	20.80178
TS15_01_4_37	0.161	0.017	10.55901	0.695	0.034	4.892086	253	0.8208	0.836524	2.762437	167.4734	20.1878
TS15_01_5_37	0.165	0.015	9.090909	0.639	0.041	6.416275	253	0.8208	0.763752	3.36472	246.5133	28.35967
TS15_01_6_37	0.172	0.01	5.813953	0.665	0.026	3.909774	253	0.8208	0.797539	2.122538	220.6655	16.14006
TS15_01_7_37	0.176	0.013	7.386364	0.661	0.037	5.597579	253	0.8208	0.792341	3.022763	231.4005	22.44921
TS15_01_8_37	0.177	0.019	10.73446	0.647	0.061	9.42813	253	0.8208	0.774148	4.997362	252.6832	37.68681
TS15_01_9_37	0.143	0.015	10.48951	0.585	0.058	9.91453	253	0.8208	0.693579	4.830838	276.4566	40.1579
TS15_01_10_37	0.1135	0.0083	7.312775	0.501	0.022	4.391218	253	0.8208	0.584422	1.899853	297.1122	25.00953
TS15_01_11_37	0.1083	0.0044	4.062789	0.449	0.034	7.572383	253	0.8208	0.516848	3.034351	328.7824	24.58725
TS15_01_12_37	0.1025	0.0046	4.487805	0.463	0.027	5.831533	253	0.8208	0.535041	2.386127	300.129	20.09479
TS15_01_13_37	0.0973	0.006	6.166495	0.437	0.038	8.695652	253	0.8208	0.501254	3.42204	305.478	28.75486
TS15_01_14_37	0.0928	0.0051	5.49569	0.421	0.035	8.313539	253	0.8208	0.480462	3.192988	303.5419	26.13251
TS15_01_1_38	0.1304	0.0083	6.365031	0.649	0.064	9.861325	253	0.8208	0.776747	5.240947	184.9896	22.97311
TS15_01_2_38	0.1179	0.0048	4.071247	0.626	0.04	6.389776	253	0.8208	0.746858	3.292711	189.5806	14.87863
TS15_01_3_38	0.1207	0.0076	6.296603	0.583	0.057	9.777015	253	0.8208	0.69098	4.750686	236.0673	27.34852
TS15_01_4_38	0.1123	0.0077	6.856634	0.581	0.047	8.089501	253	0.8208	0.688381	3.919856	221.7335	23.45283
TS15_01_5_38	0.122	0.011	9.016393	0.538	0.074	13.75465	253	0.8208	0.632503	6.275251	282.731	44.51009
TS15_01_6_38	0.114	0.01	8.77193	0.541	0.033	6.099815	253	0.8208	0.636401	2.794762	261.816	27.73342
TS15_01_7_38	0.0937	0.0099	10.56564	0.541	0.053	9.796673	253	0.8208	0.636401	4.488558	215.9658	30.37786
TS15_01_8_38	0.1108	0.004	3.610108	0.491	0.063	12.83096	253	0.8208	0.571427	5.471116	299.0682	35.17549
TS15_01_9_38	0.1107	0.0047	4.245709	0.542	0.051	9.409594	253	0.8208	0.637701	4.317317	253.4932	24.82916

TS15_01_10_38	0.1153	0.0068	5.897658	0.531	0.031	5.838041	253	0.8208	0.623406	2.637106	274.0047	22.10862
TS15_01_11_38	0.0978	0.0087	8.895706	0.501	0.034	6.786427	253	0.8208	0.584422	2.936137	256.8209	27.86718
TS15_01_12_38	0.0891	0.0097	10.88664	0.458	0.038	8.296943	253	0.8208	0.528543	3.369742	265.2601	34.57917
TS15_01_13_38	0.0832	0.0046	5.528846	0.449	0.051	11.35857	253	0.8208	0.516848	4.551526	254.0618	27.54029
TS15_01_14_38	0.0866	0.008	9.237875	0.431	0.042	9.74478	253	0.8208	0.493457	3.800186	276.7558	33.73971
TS15_01_1_39	0.0529	0.0046	8.695652	0.297	0.024	8.080808	253	0.8208	0.319325	2.541189	228.0394	23.33688
TS15_01_2_39	0.0543	0.0034	6.26151	0.274	0.02	7.29927	253	0.8208	0.289436	2.205871	244.0476	19.0234
TS15_01_3_39	0.0611	0.0031	5.07365	0.265	0.014	5.283019	253	0.8208	0.277741	1.571454	278.3822	16.95614
TS15_01_4_39	0.0642	0.0032	4.984424	0.295	0.028	9.491525	253	0.8208	0.316726	2.974626	276.7532	21.91017
TS15_01_5_39	0.0665	0.0038	5.714286	0.282	0.018	6.382979	253	0.8208	0.299832	1.956068	293.3744	20.75261
TS15_01_6_39	0.0664	0.0029	4.36747	0.302	0.014	4.635762	253	0.8208	0.325822	1.470294	282.3038	15.17612
TS15_01_7_39	0.0648	0.0037	5.709877	0.303	0.026	8.580858	253	0.8208	0.327122	2.726161	275.1245	22.15306
TS15_01_8_39	0.0644	0.002	3.10559	0.305	0.017	5.57377	253	0.8208	0.32972	1.77682	272.4275	13.11921
TS15_01_9_39	0.0646	0.0011	1.702786	0.305	0.024	7.868852	253	0.8208	0.32972	2.508451	273.2559	14.77137
TS15_01_10_39	0.0623	0.0027	4.333868	0.301	0.023	7.641196	253	0.8208	0.324523	2.419389	265.7268	17.5979
TS15_01_11_39	0.0593	0.0038	6.408094	0.307	0.019	6.188925	253	0.8208	0.332319	1.979611	250.3125	19.19712
TS15_01_12_39	0.0623	0.0015	2.407705	0.297	0.028	9.427609	253	0.8208	0.319325	2.96472	267.7298	17.4708
TS15_01_13_39	0.0617	0.0054	8.752026	0.279	0.029	10.39427	253	0.8208	0.295934	3.168751	274.1261	30.1891
TS15_01_14_39	0.0605	0.0053	8.760331	0.318	0.035	11.00629	253	0.8208	0.346614	3.586235	249.9181	28.78701
TS15_01_1_40	0.207	0.022	10.62802	0.657	0.057	8.675799	253	0.8208	0.787143	4.660242	277.9588	40.02711
TS15_01_2_40	0.225	0.036	16	0.662	0.042	6.344411	253	0.8208	0.79364	3.430604	292.5723	51.89821
TS15_01_3_40	0.296	0.024	8.108108	0.686	0.054	7.87172	253	0.8208	0.824828	4.39307	325.875	39.83869
TS15_01_4_40	0.304	0.019	6.25	0.69	0.059	8.550725	253	0.8208	0.830026	4.797014	324.7791	38.0283
TS15_01_5_40	0.301	0.057	18.93688	0.752	0.052	6.914894	253	0.8208	0.910595	4.200748	171.1861	35.83975
TS15_01_6_40	0.202	0.025	12.37624	0.639	0.069	10.79812	253	0.8208	0.763752	5.662578	300.5216	51.40329
TS15_01_7_40	0.108	0.016	14.81481	0.466	0.029	6.223176	253	0.8208	0.538939	2.557743	313.2602	50.11487
TS15_01_8_40	0.0758	0.0088	11.6095	0.387	0.048	12.4031	253	0.8208	0.436279	4.519098	269.7329	40.40064
TS15_01_9_40	0.0565	0.0029	5.132743	0.291	0.027	9.278351	253	0.8208	0.311528	2.887925	246.0029	19.34677
TS15_01_10_40	0.0537	0.0013	2.420857	0.256	0.019	7.421875	253	0.8208	0.266045	2.172618	249.1957	12.62555
TS15_01_11_40	0.0551	0.0018	3.266788	0.251	0.018	7.171315	253	0.8208	0.259548	2.080548	257.7831	13.89869
TS15_01_12_40	0.0544	0.0029	5.330882	0.243	0.01	4.115226	253	0.8208	0.249152	1.176801	258.0756	15.32577
TS15_01_13_40	0.0591	0.0026	4.399323	0.277	0.028	10.1083	253	0.8208	0.293335	3.070843	263.7573	20.30747
TS15_01_14_40	0.0644	0.0028	4.347826	0.283	0.022	7.773852	253	0.8208	0.301132	2.38644	283.795	18.70483
TS15_03_A_3	0.212	0.037	17.45283	0.615	0.057	9.268293	231	0.8099	0.743254	4.727455	341.6627	69.27363

TS15_03_B_3	0.274	0.051	18.61314	0.671	0.073	10.87928	231	0.8099	0.817024	5.984911	315.3526	71.12801
TS15_03_C_3	0.338	0.058	17.15976	0.683	0.055	8.052709	231	0.8099	0.832832	4.500972	354.3218	70.19752
TS15_03_D_3	0.334	0.085	25.4491	0.763	0.071	9.305374	231	0.8099	0.938218	5.768067	131.6698	37.06234
TS15_03_E_3	0.22	0.1	45.45455	0.657	0.074	11.26332	231	0.8099	0.798582	6.08148	279.5057	133.0286
TS15_03_F_3	0.111	0.014	12.61261	0.514	0.068	13.22957	231	0.8099	0.610205	5.852201	273.0532	47.81496
TS15_03_G_3	0.0898	0.0079	8.797327	0.461	0.035	7.592191	231	0.8099	0.540387	3.105744	260.7204	28.58951
TS15_03_H_3	0.0811	0.0065	8.014797	0.448	0.03	6.696429	231	0.8099	0.523262	2.686139	244.5432	24.00387
TS15_03_I_3	0.0683	0.0038	5.56369	0.395	0.024	6.075949	231	0.8099	0.453444	2.245788	236.2604	17.18415
TS15_03_J_3	0.0676	0.0031	4.585799	0.369	0.023	6.233062	231	0.8099	0.419193	2.210491	248.2601	16.10205
TS15_03_K_3	0.0715	0.0043	6.013986	0.355	0.021	5.915493	231	0.8099	0.400751	2.050875	270.4516	20.07529
TS15_03_L_3	0.074	0.0047	6.351351	0.369	0.025	6.775068	231	0.8099	0.419193	2.402708	271.276	22.02887
TS15_03_M_3	0.0736	0.007	9.51087	0.375	0.022	5.866667	231	0.8099	0.427097	2.100677	266.2426	28.20041
TS15_03_A_5	0.0947	0.0073	7.708553	0.406	0.029	7.142857	231	0.8099	0.467934	2.686064	316.8948	30.44685
TS15_03_B_5	0.082	0.012	14.63415	0.399	0.017	4.260652	231	0.8099	0.458713	1.584753	279.9594	42.7014
TS15_03_C_5	0.0709	0.0048	6.770099	0.375	0.029	7.733333	231	0.8099	0.427097	2.769075	256.6674	22.86234
TS15_03_D_5	0.0641	0.0047	7.332293	0.385	0.018	4.675325	231	0.8099	0.440271	1.700987	227.2361	18.66816
TS15_03_E_5	0.0632	0.004	6.329114	0.358	0.041	11.45251	231	0.8099	0.404703	3.989952	238.0809	24.65495
TS15_03_F_5	0.0562	0.0052	9.252669	0.3088	0.0087	2.817358	231	0.8099	0.339891	0.904493	234.8207	22.50736
TS15_03_G_5	0.0546	0.0037	6.776557	0.323	0.012	3.71517	231	0.8099	0.358597	1.221693	221.8943	16.24218
TS15_03_H_5	0.0569	0.0054	9.490334	0.309	0.02	6.472492	231	0.8099	0.340154	2.078655	237.5991	25.02822
TS15_03_I_5	0.0542	0.0041	7.564576	0.288	0.016	5.555556	231	0.8099	0.312491	1.720875	235.8454	19.93262
TS15_03_J_5	0.0522	0.0029	5.555556	0.292	0.015	5.136986	231	0.8099	0.31776	1.602306	225.5823	14.70719
TS15_03_K_5	0.0547	0.0031	5.667276	0.329	0.025	7.598784	231	0.8099	0.366501	2.523984	219.6006	16.93138
TS15_03_L_5	0.0567	0.0025	4.409171	0.328	0.035	10.67073	231	0.8099	0.365183	3.538441	227.9546	19.31804
TS15_03_M_5	0.0633	0.0099	15.63981	0.344	0.054	15.69767	231	0.8099	0.38626	5.345232	245.699	47.27083
TS15_03_A_6	0.329	0.042	12.76596	0.754	0.028	3.713528	231	0.8099	0.926362	2.275744	154.3152	21.13211
TS15_03_B_6	0.443	0.06	13.54402	0.725	0.029	4	231	0.8099	0.88816	2.361851	311.7296	45.65162
TS15_03_C_6	0.46	0.054	11.73913	0.739	0.035	4.73613	231	0.8099	0.906602	2.84735	271.1734	36.03512
TS15_03_D_6	0.583	0.076	13.03602	0.801	0.022	2.746567	231	0.8099	0.988276	1.785535	43.9125	5.952857
TS15_03_E_6	0.645	0.051	7.906977	0.778	0.036	4.627249	231	0.8099	0.957977	2.92303	172.401	17.15883
TS15_03_F_6	0.81	0.28	34.5679	0.769	0.034	4.421326	231	0.8099	0.946122	2.761484	275.3653	97.73902
TS15_03_G_6	0.81	0.27	33.33333	0.777	0.046	5.920206	231	0.8099	0.95666	3.735095	222.4215	76.84559
TS15_03_H_6	0.72	0.11	15.27778	0.79	0.033	4.177215	231	0.8099	0.973785	2.678682	120.5392	19.66871
TS15_03_I_6	0.65	0.12	18.46154	0.755	0.043	5.695364	231	0.8099	0.927679	3.494704	296.1297	59.54457
TS15_03_J_6	0.535	0.08	14.95327	0.755	0.05	6.622517	231	0.8099	0.927679	4.06361	244.7182	42.31048
TS15_03_K_6	0.49	0.068	13.87755	0.745	0.036	4.832215	231	0.8099	0.914506	2.927516	264.5505	40.54807
TS15_03_L_6	0.59	0.12	20.33898	0.733	0.041	5.593452	231	0.8099	0.898698	3.336959	374.2153	81.95195

TS15_03_M_6	0.67	0.12	17.91045	0.76	0.043	5.657895	231	0.8099	0.934266	3.493822	277.8384	54.35323
TS15_03_A_7	0.438	0.062	14.15525	0.708	0.03	4.237288	231	0.8099	0.865765	2.447372	368.2925	56.5192
TS15_03_B_7	0.388	0.052	13.40206	0.746	0.04	5.36193	231	0.8099	0.915823	3.252588	207.1785	31.28948
TS15_03_C_7	0.452	0.085	18.80531	0.75	0.063	8.4	231	0.8099	0.921093	5.12158	225.9138	49.04793
TS15_03_D_7	0.373	0.082	21.98391	0.743	0.059	7.940781	231	0.8099	0.911871	4.7985	208.4982	50.63151
TS15_03_E_7	0.341	0.046	13.48974	0.776	0.038	4.896907	231	0.8099	0.955343	3.085608	97.42664	14.54592
TS15_03_F_7	0.481	0.092	19.12682	0.738	0.046	6.233062	231	0.8099	0.905285	3.7425	287.1928	60.04045
TS15_03_G_7	0.53	0.11	20.75472	0.704	0.051	7.244318	231	0.8099	0.860496	4.162389	459.8327	105.7126
TS15_03_H_7	0.455	0.056	12.30769	0.765	0.077	10.06536	231	0.8099	0.940852	6.254963	171.1937	30.37409
TS15_03_I_7	0.49	0.12	24.4898	0.716	0.057	7.960894	231	0.8099	0.876304	4.646148	379.3416	101.5405
TS15_03_J_7	0.421	0.08	19.00238	0.687	0.06	8.733624	231	0.8099	0.838101	4.907398	425.0567	93.29427
TS15_03_K_7	0.284	0.037	13.02817	0.67	0.053	7.910448	231	0.8099	0.815707	4.345911	328.8673	52.6264
TS15_03_L_7	0.21	0.027	12.85714	0.627	0.044	7.017544	231	0.8099	0.759062	3.63858	318.1855	48.00812
TS15_03_M_7	0.135	0.028	20.74074	0.539	0.046	8.534323	231	0.8099	0.643138	3.913711	303.3159	68.48284
TS15_03_A_8	0.215	0.024	11.16279	0.652	0.047	7.208589	231	0.8099	0.791995	3.866164	282.03	39.02937
TS15_03_B_8	0.236	0.027	11.44068	0.636	0.051	8.018868	231	0.8099	0.770918	4.208902	339.4202	49.31331
TS15_03_C_8	0.204	0.041	20.09804	0.655	0.048	7.328244	231	0.8099	0.795947	3.946196	262.9087	57.68231
TS15_03_D_8	0.166	0.021	12.6506	0.631	0.051	8.082409	231	0.8099	0.764331	4.213571	247.3821	38.22057
TS15_03_E_8	0.149	0.019	12.75168	0.632	0.053	8.386076	231	0.8099	0.765649	4.377823	221.2572	34.72503
TS15_03_F_8	0.1198	0.0081	6.761269	0.614	0.053	8.631922	231	0.8099	0.741937	4.396831	196.2784	22.06918
TS15_03_G_8	0.101	0.013	12.87129	0.53	0.051	9.622642	231	0.8099	0.631282	4.356202	235.7056	37.20548
TS15_03_H_8	0.0849	0.0068	8.009423	0.473	0.065	13.74207	231	0.8099	0.556195	5.723266	238.4306	33.84454
TS15_03_I_8	0.0811	0.0091	11.22072	0.408	0.037	9.068627	231	0.8099	0.470569	3.420905	271.0113	36.27361
TS15_03_J_8	0.0697	0.0044	6.312769	0.409	0.034	8.312958	231	0.8099	0.471886	3.140738	233.0265	21.09726
TS15_03_K_8	0.0726	0.0039	5.371901	0.372	0.018	4.83871	231	0.8099	0.423145	1.724288	264.4734	17.21096
TS15_03_L_8	0.0686	0.0055	8.017493	0.354	0.028	7.909605	231	0.8099	0.399434	2.737761	260.2597	25.73377
TS15_03_M_8	0.0596	0.0029	4.865772	0.345	0.029	8.405797	231	0.8099	0.387578	2.866976	231.104	17.67061
TS15_03_A_9	0.0902	0.0049	5.432373	0.544	0.033	6.066176	231	0.8099	0.649725	2.801796	200.5222	15.87622
TS15_03_B_9	0.082	0.0061	7.439024	0.586	0.059	10.06826	231	0.8099	0.705052	4.933809	154.0557	19.23807
TS15_03_C_9	0.0905	0.0078	8.618785	0.555	0.039	7.027027	231	0.8099	0.664215	3.296745	192.9795	21.22302
TS15_03_D_9	0.0935	0.0051	5.454545	0.532	0.046	8.646617	231	0.8099	0.633917	3.92562	216.9606	21.06003
TS15_03_E_9	0.094	0.012	12.76596	0.532	0.024	4.511278	231	0.8099	0.633917	2.04815	218.1014	29.67288
TS15_03_F_9	0.1059	0.0082	7.743154	0.559	0.032	5.724508	231	0.8099	0.669484	2.700916	221.7759	21.26751
TS15_03_G_9	0.101	0.011	10.89109	0.602	0.066	10.96346	231	0.8099	0.726129	5.493001	175.8924	27.52559
TS15_03_H_9	0.11	0.01	9.090909	0.536	0.045	8.395522	231	0.8099	0.639186	3.833558	250.9083	30.35576
TS15_03_I_9	0.107	0.011	10.28037	0.566	0.05	8.833922	231	0.8099	0.678706	4.209367	217.8937	29.38074
TS15_03_J_9	0.111	0.01	9.009009	0.561	0.055	9.803922	231	0.8099	0.672119	4.638743	230.4474	30.26911

TS15_03_K_9	0.113	0.012	10.61947	0.589	0.062	10.52632	231	0.8099	0.709004	5.179851	208.564	31.37135
TS15_03_L_9	0.113	0.013	11.50442	0.633	0.042	6.635071	231	0.8099	0.766966	3.468443	167.5558	22.76428
TS15_03_M_9	0.109	0.012	11.00917	0.591	0.026	4.399323	231	0.8099	0.711639	2.170869	199.5007	23.93431
TS15_03_A_10	0.081	0.013	16.04938	0.484	0.069	14.2562	231	0.8099	0.570685	6.035122	220.3611	44.86078
TS15_03_B_10	0.107	0.022	20.56075	0.567	0.059	10.40564	231	0.8099	0.680023	4.965279	217.0152	50.19932
TS15_03_C_10	0.11	0.014	12.72727	0.499	0.062	12.42485	231	0.8099	0.590445	5.377288	284.0659	48.21059
TS15_03_D_10	0.112	0.016	14.28571	0.585	0.073	12.47863	231	0.8099	0.703735	6.106465	210.4309	40.07741
TS15_03_E_10	0.1107	0.0093	8.401084	0.609	0.045	7.389163	231	0.8099	0.73535	3.738056	186.1452	21.20397
TS15_03_F_10	0.1156	0.0056	4.844291	0.56	0.019	3.392857	231	0.8099	0.670802	1.60307	240.7677	14.23536
TS15_03_G_10	0.121	0.013	10.7438	0.501	0.033	6.586826	231	0.8099	0.59308	2.85904	309.8377	38.51501
TS15_03_H_10	0.127	0.018	14.17323	0.52	0.042	8.076923	231	0.8099	0.618109	3.604091	305.3069	49.52377
TS15_03_I_10	0.135	0.017	12.59259	0.528	0.044	8.333333	231	0.8099	0.628647	3.761687	315.3356	47.2326
TS15_03_J_10	0.118	0.017	14.40678	0.568	0.04	7.042254	231	0.8099	0.68134	3.365096	237.9509	38.42948
TS15_03_K_10	0.1192	0.0083	6.963087	0.557	0.034	6.104129	231	0.8099	0.66685	2.87189	251.0446	23.06594
TS15_03_L_10	0.1231	0.0085	6.904955	0.573	0.038	6.631763	231	0.8099	0.687927	3.191284	243.0084	23.24416
TS15_03_M_10	0.132	0.013	9.848485	0.6	0.038	6.333333	231	0.8099	0.723494	3.164426	231.0938	27.48556
TS15_03_A_11	0.0837	0.0071	8.482676	0.48	0.031	6.458333	231	0.8099	0.565416	2.717879	230.3222	23.58103
TS15_03_B_11	0.0898	0.0048	5.345212	0.473	0.033	6.976744	231	0.8099	0.556195	2.905658	251.9261	20.25337
TS15_03_C_11	0.0912	0.0068	7.45614	0.488	0.035	7.172131	231	0.8099	0.575955	3.054194	244.602	23.98502
TS15_03_D_11	0.0987	0.0084	8.510638	0.513	0.043	8.382066	231	0.8099	0.608888	3.702489	244.1666	28.01218
TS15_03_E_11	0.101	0.01	9.90099	0.525	0.043	8.190476	231	0.8099	0.624695	3.681252	239.8388	30.07936
TS15_03_F_11	0.0958	0.0071	7.411273	0.536	0.034	6.343284	231	0.8099	0.639186	2.896466	219.062	20.92652
TS15_03_G_11	0.0947	0.0072	7.602957	0.536	0.025	4.664179	231	0.8099	0.639186	2.129755	216.5885	19.16748
TS15_03_H_11	0.0891	0.0089	9.988777	0.518	0.038	7.335907	231	0.8099	0.615474	3.263971	217.1629	26.30113
TS15_03_I_11	0.0919	0.0076	8.269859	0.541	0.027	4.990758	231	0.8099	0.645773	2.295239	206.51	19.81846
TS15_03_J_11	0.0936	0.0063	6.730769	0.552	0.052	9.42029	231	0.8099	0.660263	4.400781	201.8001	22.67359
TS15_03_K_11	0.0922	0.006	6.507592	0.536	0.059	11.00746	231	0.8099	0.639186	5.026221	210.9633	25.62973
TS15_03_L_11	0.1046	0.007	6.692161	0.491	0.029	5.906314	231	0.8099	0.579907	2.526302	277.2198	23.70922
TS15_03_M_11	0.096	0.011	11.45833	0.528	0.03	5.681818	231	0.8099	0.628647	2.564787	225.8121	28.78672
TS15_03_A_13	0.0641	0.0043	6.708268	0.31	0.033	10.64516	231	0.8099	0.341472	3.424536	266.5274	26.03493
TS15_03_B_13	0.0753	0.0084	11.15538	0.358	0.017	4.748603	231	0.8099	0.404703	1.65437	282.6768	33.53594
TS15_03_C_13	0.0872	0.0078	8.944954	0.398	0.03	7.537688	231	0.8099	0.457396	2.799251	298.0166	32.1064
TS15_03_D_13	0.0853	0.0082	9.61313	0.459	0.028	6.100218	231	0.8099	0.537752	2.487935	249.2972	27.45541
TS15_03_E_13	0.078	0.0057	7.307692	0.39	0.041	10.51282	231	0.8099	0.446857	3.855211	272.2986	29.47903
TS15_03_F_13	0.0674	0.0037	5.489614	0.337	0.026	7.715134	231	0.8099	0.377039	2.596922	265.141	20.42274
TS15_03_G_13	0.0735	0.0054	7.346939	0.331	0.02	6.042296	231	0.8099	0.369135	2.013687	292.1879	24.99537
TS15_03_H_13	0.066	0.0021	3.181818	0.305	0.017	5.57377	231	0.8099	0.334885	1.777862	276.9469	13.48835

TS15_03_I_13	0.0651	0.0024	3.686636	0.2865	0.0077	2.687609	231	0.8099	0.310515	0.830336	283.0447	11.68901
TS15_03_J_13	0.0625	0.003	4.8	0.2787	0.0097	3.480445	231	0.8099	0.300239	1.060707	275.943	14.77865
TS15_03_K_13	0.0634	0.0044	6.940063	0.272	0.013	4.779412	231	0.8099	0.291413	1.439473	283.2846	21.72257
TS15_03_L_13	0.0608	0.0051	8.388158	0.271	0.014	5.166052	231	0.8099	0.290096	1.553169	272.4038	24.84036
TS15_03_M_13	0.0575	0.0033	5.73913	0.257	0.015	5.836576	231	0.8099	0.271654	1.711434	264.4751	18.01546
TS15_03_A_14	0.157	0.02	12.73885	0.658	0.017	2.583587	231	0.8099	0.799899	1.396843	199.4035	26.35781
TS15_03_B_14	0.2	0.034	17	0.646	0.053	8.204334	231	0.8099	0.784091	4.364832	272.5249	52.97882
TS15_03_C_14	0.191	0.025	13.08901	0.672	0.058	8.630952	231	0.8099	0.818342	4.754374	219.8769	36.08484
TS15_03_D_14	0.192	0.034	17.70833	0.679	0.071	10.45655	231	0.8099	0.827563	5.813739	209.9706	45.05575
TS15_03_E_14	0.163	0.016	9.815951	0.7	0.057	8.142857	231	0.8099	0.855227	4.654256	150.3558	20.54611
TS15_03_F_14	0.171	0.015	8.77193	0.659	0.066	10.01517	231	0.8099	0.801216	5.422061	215.4845	30.49115
TS15_03_G_14	0.187	0.018	9.625668	0.67	0.038	5.671642	231	0.8099	0.815707	3.115937	218.4191	25.42483
TS15_03_H_14	0.191	0.014	7.329843	0.693	0.048	6.926407	231	0.8099	0.846005	3.922782	186.8734	20.32585
TS15_03_I_14	0.207	0.016	7.729469	0.663	0.043	6.485671	231	0.8099	0.806486	3.530067	253.1892	26.97606
TS15_03_J_14	0.17	0.031	18.23529	0.652	0.048	7.361963	231	0.8099	0.791995	3.948423	224.0128	45.13934
TS15_03_K_14	0.13	0.02	15.38462	0.652	0.048	7.361963	231	0.8099	0.791995	3.948423	172	30.07399
TS15_03_L_14	0.163	0.028	17.17791	0.593	0.035	5.902192	231	0.8099	0.714273	2.920565	293.4502	54.24476
TS15_03_M_14	0.139	0.011	7.913669	0.601	0.044	7.321131	231	0.8099	0.724812	3.663033	241.9837	26.53711
TS15_03_A_16	0.1067	0.0084	7.87254	0.575	0.062	10.78261	231	0.8099	0.690561	5.203291	209.4036	27.71386
TS15_03_B_16	0.1032	0.0089	8.624031	0.543	0.038	6.998158	231	0.8099	0.648407	3.227644	229.7605	25.14798
TS15_03_C_16	0.111	0.017	15.31532	0.6	0.024	4	231	0.8099	0.723494	1.998585	194.8785	31.24119
TS15_03_D_16	0.127	0.015	11.81102	0.608	0.03	4.934211	231	0.8099	0.734033	2.492705	214.149	27.85492
TS15_03_E_16	0.21	0.029	13.80952	0.647	0.042	6.491499	231	0.8099	0.785409	3.458233	284.1472	44.71199
TS15_03_F_16	0.235	0.023	9.787234	0.726	0.057	7.85124	231	0.8099	0.889477	4.641854	165.2949	22.54697
TS15_03_G_16	0.27	0.039	14.44444	0.716	0.057	7.960894	231	0.8099	0.876304	4.646148	211.7803	36.8722
TS15_03_H_16	0.286	0.046	16.08392	0.73	0.043	5.890411	231	0.8099	0.894746	3.500574	191.1905	33.95064
TS15_03_I_16	0.309	0.048	15.53398	0.668	0.034	5.08982	231	0.8099	0.813072	2.788856	361.9926	61.16519
TS15_03_J_16	0.285	0.029	10.17544	0.664	0.034	5.120482	231	0.8099	0.807803	2.790735	343.778	40.85116
TS15_03_K_16	0.288	0.037	12.84722	0.684	0.032	4.678363	231	0.8099	0.834149	2.618374	300.7852	42.57744
TS15_03_L_16	0.277	0.033	11.91336	0.701	0.05	7.132668	231	0.8099	0.856544	4.082195	251.2048	36.89061
TS15_03_M_16	0.26	0.023	8.846154	0.676	0.049	7.248521	231	0.8099	0.823611	4.014117	289.0614	35.2208
TS15_03_A_19	0.1001	0.0081	8.091908	0.517	0.034	6.576402	231	0.8099	0.614157	2.921808	244.2914	24.80364
TS15_03_B_19	0.09	0.011	12.22222	0.51	0.026	5.098039	231	0.8099	0.604936	2.242082	225.2266	29.77131
TS15_03_C_19	0.0736	0.0065	8.831522	0.441	0.031	7.029478	231	0.8099	0.514041	2.789928	226.5389	24.04137
TS15_03_D_19	0.0666	0.008	12.01201	0.41	0.04	9.756098	231	0.8099	0.473204	3.691718	222.293	31.81085
TS15_03_E_19	0.104	0.024	23.07692	0.466	0.033	7.081545	231	0.8099	0.546974	2.918644	296.7834	71.89462
TS15_03_F_19	0.158	0.021	13.29114	0.609	0.057	9.359606	231	0.8099	0.73535	4.73487	264.0712	43.84089

TS15_03_G_19	0.258	0.043	16.66667	0.711	0.056	7.876231	231	0.8099	0.869717	4.566962	213.1213	41.05062
TS15_03_H_19	0.321	0.033	10.28037	0.761	0.045	5.913272	231	0.8099	0.935583	3.656152	131.9385	16.79457
TS15_03_I_19	0.362	0.074	20.44199	0.754	0.049	6.498674	231	0.8099	0.926362	3.982551	169.5918	37.59058
TS15_03_J_19	0.359	0.063	17.54875	0.822	0.062	7.542579	231	0.8099	1.01594	5.032103	-36.9943	-7.46678
TS15_03_K_19	0.337	0.061	18.10089	0.78	0.078	10	231	0.8099	0.960612	6.33287	85.00493	18.87612
TS15_03_L_19	0.343	0.056	16.32653	0.712	0.033	4.634831	231	0.8099	0.871034	2.690965	279.0316	48.83535
TS15_03_M_19	0.536	0.098	18.28358	0.741	0.024	3.238866	231	0.8099	0.909237	1.952196	306.2229	58.36742
TS15_03_A_20	0.1466	0.0087	5.934516	0.703	0.026	3.698435	231	0.8099	0.859178	2.122246	131.7275	9.702635
TS15_03_B_20	0.109	0.01	9.174312	0.628	0.048	7.643312	231	0.8099	0.760379	3.968438	166.2103	20.39292
TS15_03_C_20	0.091	0.0069	7.582418	0.562	0.039	6.939502	231	0.8099	0.673436	3.288077	188.7787	19.19902
TS15_03_D_20	0.0863	0.0046	5.330243	0.531	0.014	2.636535	231	0.8099	0.632599	1.195285	201.2209	11.92921
TS15_03_E_20	0.121	0.016	13.22314	0.543	0.036	6.629834	231	0.8099	0.648407	3.057768	268.5748	39.83146
TS15_03_F_20	0.132	0.017	12.87879	0.585	0.073	12.47863	231	0.8099	0.703735	6.106465	247.2955	44.59009
TS15_03_G_20	0.175	0.033	18.85714	0.634	0.069	10.88328	231	0.8099	0.768283	5.696893	256.2438	57.33702
TS15_03_H_20	0.189	0.022	11.64021	0.583	0.037	6.346484	231	0.8099	0.7011	3.097027	354.2567	47.84034
TS15_03_I_20	0.195	0.015	7.692308	0.576	0.038	6.597222	231	0.8099	0.691879	3.18804	376.1341	38.58299
TS15_03_J_20	0.178	0.031	17.41573	0.58	0.053	9.137931	231	0.8099	0.697148	4.44059	338.4678	67.58118
TS15_03_K_20	0.146	0.02	13.69863	0.547	0.058	10.60329	231	0.8099	0.653676	4.918343	317.9786	54.73719
TS15_03_L_20	0.112	0.015	13.39286	0.494	0.03	6.072874	231	0.8099	0.583859	2.609035	293.662	43.0416
TS15_03_M_20	0.0788	0.0071	9.010152	0.487	0.033	6.776181	231	0.8099	0.574637	2.881327	212.5323	23.06867
TS15_03_A_21	0.218	0.016	7.33945	0.692	0.042	6.069364	231	0.8099	0.844688	3.43288	214.6492	21.89858
TS15_03_B_21	0.277	0.032	11.55235	0.688	0.054	7.848837	231	0.8099	0.839419	4.416054	280.5489	41.56323
TS15_03_C_21	0.273	0.038	13.91941	0.71	0.047	6.619718	231	0.8099	0.8684	3.833391	227.5363	36.69924
TS15_03_D_21	0.26	0.035	13.46154	0.736	0.039	5.298913	231	0.8099	0.90265	3.173454	161.1344	24.23784
TS15_03_E_21	0.374	0.062	16.57754	0.705	0.052	7.375887	231	0.8099	0.861813	4.243523	324.8393	61.75079
TS15_03_F_21	0.41	0.063	15.36585	0.736	0.069	9.375	231	0.8099	0.90265	5.614573	252.2967	48.78314
TS15_03_G_21	0.52	0.1	19.23077	0.746	0.062	8.310992	231	0.8099	0.915823	5.041512	276.1708	60.98095
TS15_03_H_21	0.433	0.075	17.32102	0.745	0.062	8.322148	231	0.8099	0.914506	5.041833	234.3284	47.65251
TS15_03_I_21	0.487	0.092	18.89117	0.74	0.059	7.972973	231	0.8099	0.907919	4.799481	282.7843	60.96654
TS15_03_J_21	0.45	0.1	22.22222	0.783	0.064	8.173691	231	0.8099	0.964564	5.195794	101.9846	25.16847
TS15_03_K_21	0.412	0.081	19.66019	0.79	0.075	9.493671	231	0.8099	0.973785	6.087915	69.25084	16.08064
TS15_03_L_21	0.346	0.061	17.63006	0.71	0.1	14.08451	231	0.8099	0.8684	8.156151	287.0425	70.11988
TS15_03_M_21	0.258	0.035	13.56589	0.672	0.065	9.672619	231	0.8099	0.818342	5.328178	295.2634	51.91035
TS15_03_A_22	0.109	0.019	17.43119	0.617	0.038	6.158833	231	0.8099	0.745889	3.150039	176.1254	33.0098
TS15_03_B_22	0.0803	0.0076	9.464508	0.494	0.033	6.680162	231	0.8099	0.583859	2.869938	211.8935	23.80026
TS15_03_C_22	0.0825	0.0088	10.66667	0.472	0.018	3.813559	231	0.8099	0.554877	1.585897	232.4861	26.29014
TS15_03_D_22	0.099	0.012	12.12121	0.467	0.037	7.922912	231	0.8099	0.548291	3.2703	282.0187	39.58363

TS15_03_E_22	0.112	0.012	10.71429	0.541	0.055	10.16636	231	0.8099	0.645773	4.675488	250.8087	36.26821
TS15_03_F_22	0.1268	0.0099	7.807571	0.542	0.043	7.933579	231	0.8099	0.64709	3.653852	282.2025	30.77534
TS15_03_G_22	0.1207	0.0092	7.622204	0.63	0.048	7.619048	231	0.8099	0.763014	3.966615	181.8065	20.2544
TS15_03_H_22	0.141	0.015	10.6383	0.618	0.032	5.177994	231	0.8099	0.747206	2.651999	225.7752	27.25619
TS15_03_I_22	0.146	0.014	9.589041	0.592	0.018	3.040541	231	0.8099	0.712956	1.502455	264.6515	27.09086
TS15_03_J_22	0.139	0.012	8.633094	0.626	0.045	7.188498	231	0.8099	0.757745	3.722147	213.4984	24.69781
TS15_03_K_22	0.166	0.012	7.228916	0.619	0.048	7.754443	231	0.8099	0.748524	3.977008	263.6408	28.85935
TS15_03_L_22	0.18	0.021	11.66667	0.604	0.051	8.443709	231	0.8099	0.728764	4.242226	307.2885	45.24249
TS15_03_M_22	0.164	0.027	16.46341	0.635	0.075	11.81102	231	0.8099	0.769601	6.190912	239.0917	49.98301
TS15_03_A_23	0.193	0.042	21.76166	0.578	0.032	5.536332	231	0.8099	0.694513	2.682876	369.291	84.6295
TS15_03_B_23	0.225	0.023	10.22222	0.675	0.097	14.37037	231	0.8099	0.822293	7.947538	252.7336	48.52796
TS15_03_C_23	0.219	0.018	8.219178	0.663	0.055	8.295626	231	0.8099	0.806486	4.515202	267.5663	33.27343
TS15_03_D_23	0.262	0.023	8.778626	0.652	0.047	7.208589	231	0.8099	0.791995	3.866164	342.0734	40.96752
TS15_03_E_23	0.256	0.015	5.859375	0.662	0.063	9.516616	231	0.8099	0.805168	5.172857	313.7658	38.11587
TS15_03_F_23	0.282	0.038	13.47518	0.683	0.087	12.73792	231	0.8099	0.832832	7.119719	296.9472	59.30346
TS15_03_G_23	0.266	0.048	18.04511	0.641	0.064	9.984399	231	0.8099	0.777505	5.276135	370.6597	79.26421
TS15_03_H_23	0.269	0.041	15.24164	0.647	0.057	8.809892	231	0.8099	0.785409	4.693316	361.7758	66.26834
TS15_03_I_23	0.249	0.017	6.827309	0.668	0.048	7.185629	231	0.8099	0.813072	3.937209	293.2749	31.19552
TS15_03_J_23	0.253	0.017	6.719368	0.709	0.072	10.15515	231	0.8099	0.867082	5.873057	213.2158	29.26875
TS15_03_K_23	0.24	0.034	14.16667	0.666	0.062	9.309309	231	0.8099	0.810438	5.087259	286.8038	50.95123
TS15_03_L_23	0.199	0.028	14.07035	0.675	0.039	5.777778	231	0.8099	0.822293	3.195402	224.0301	35.13366
TS15_03_M_23	0.192	0.029	15.10417	0.632	0.042	6.64557	231	0.8099	0.765649	3.469218	283.723	48.03311
TS15_03_A_24	0.121	0.013	10.7438	0.579	0.082	14.16235	231	0.8099	0.695831	6.8726	232.9951	41.25931
TS15_03_B_24	0.123	0.014	11.38211	0.519	0.02	3.853565	231	0.8099	0.616792	1.717054	296.9059	36.02347
TS15_03_C_24	0.1124	0.0086	7.651246	0.596	0.044	7.38255	231	0.8099	0.718225	3.668308	201.0011	21.60623
TS15_03_D_24	0.1096	0.0086	7.846715	0.608	0.025	4.111842	231	0.8099	0.734033	2.077254	185.2261	16.66262
TS15_03_E_24	0.144	0.024	16.66667	0.552	0.052	9.42029	231	0.8099	0.660263	4.400781	307.9006	59.16883
TS15_03_F_24	0.134	0.011	8.208955	0.576	0.03	5.208333	231	0.8099	0.691879	2.516874	260.8132	25.57893
TS15_03_G_24	0.1323	0.0088	6.65155	0.628	0.059	9.394904	231	0.8099	0.760379	4.877872	201.1905	24.08515
TS15_03_H_24	0.1385	0.0087	6.281588	0.625	0.041	6.56	231	0.8099	0.756427	3.39209	213.8808	20.07525
TS15_03_I_24	0.145	0.014	9.655172	0.625	0.036	5.76	231	0.8099	0.756427	2.978421	223.7463	25.7778
TS15_03_J_24	0.175	0.032	18.28571	0.648	0.025	3.858025	231	0.8099	0.786726	2.058065	236.2181	44.93917
TS15_03_K_24	0.168	0.011	6.547619	0.654	0.058	8.868502	231	0.8099	0.79463	4.769209	218.6646	25.68108
TS15_03_L_24	0.18	0.022	12.22222	0.68	0.031	4.558824	231	0.8099	0.82888	2.538017	195.5632	26.22474
TS15_03_M_24	0.22	0.037	16.81818	0.657	0.038	5.783866	231	0.8099	0.798582	3.122922	279.5057	51.04508
TS15_03_A_25	0.43	0.093	21.62791	0.788	0.038	4.822335	231	0.8099	0.971151	3.08466	79.47714	17.96048
TS15_03_B_25	0.64	0.12	18.75	0.784	0.038	4.846939	231	0.8099	0.965881	3.084928	139.2484	27.72561

TS15_03_C_25	0.71	0.14	19.71831	0.813	0.061	7.503075	231	0.8099	1.004084	4.950651	-18.718	-4.12539
TS15_03_D_25	0.71	0.17	23.94366	0.846	0.079	9.338061	231	0.8099	1.047555	6.414932	-221.418	-59.3984
TS15_03_E_25	0.63	0.19	30.15873	0.834	0.081	9.71223	231	0.8099	1.031747	6.575394	-130.241	-42.5611
TS15_03_F_25	0.82	0.18	21.95122	0.842	0.083	9.857482	231	0.8099	1.042286	6.738992	-227.494	-57.8362
TS15_03_G_25	0.7	0.14	20	0.739	0.048	6.495264	231	0.8099	0.906602	3.904938	408.2529	89.86097
TS15_03_H_25	0.9	0.22	24.44444	0.758	0.08	10.55409	231	0.8099	0.931631	6.500769	384.9359	108.8986
TS15_03_I_25	0.92	0.42	45.65217	0.835	0.079	9.461078	231	0.8099	1.033065	6.413169	-199.142	-93.666
TS15_03_J_25	0.64	0.12	18.75	0.824	0.056	6.796117	231	0.8099	1.018574	4.545226	-77.0909	-15.9879
TS15_03_K_25	0.98	0.22	22.44898	0.782	0.056	7.161125	231	0.8099	0.963247	4.546434	228.1043	55.99343
TS15_03_L_25	1.19	0.35	29.41176	0.795	0.059	7.421384	231	0.8099	0.980372	4.788785	148.8399	46.40717
TS15_03_M_25	0.77	0.24	31.16883	0.766	0.063	8.224543	231	0.8099	0.94217	5.117482	280.8472	93.49071
TS15_03_A_26	0.0595	0.0044	7.394958	0.41	0.042	10.2439	231	0.8099	0.473204	3.876303	198.9568	21.61218
TS15_03_B_26	0.0558	0.0023	4.121864	0.35	0.02	5.714286	231	0.8099	0.394164	1.965019	214.3225	12.39927
TS15_03_C_26	0.0589	0.0026	4.414261	0.33	0.018	5.454545	231	0.8099	0.367818	1.814785	235.6746	13.70309
TS15_03_D_26	0.0623	0.0027	4.333868	0.325	0.024	7.384615	231	0.8099	0.361231	2.436504	251.5639	16.70812
TS15_03_E_26	0.0693	0.0024	3.463203	0.335	0.028	8.358209	231	0.8099	0.374405	2.804075	273.5877	18.39483
TS15_03_F_26	0.0665	0.0045	6.766917	0.372	0.035	9.408602	231	0.8099	0.423145	3.352783	242.6646	23.51532
TS15_03_G_26	0.0577	0.0036	6.239168	0.411	0.039	9.489051	231	0.8099	0.474521	3.596258	192.5516	18.5836
TS15_03_H_26	0.0564	0.0034	6.028369	0.432	0.037	8.564815	231	0.8099	0.502185	3.352901	178.5003	16.29993
TS15_03_I_26	0.0611	0.0041	6.710311	0.433	0.026	6.004619	231	0.8099	0.503502	2.354253	192.651	16.01093
TS15_03_J_26	0.0663	0.0042	6.334842	0.424	0.022	5.188679	231	0.8099	0.491646	2.006426	213.6879	16.27219
TS15_03_K_26	0.0651	0.0047	7.219662	0.425	0.03	7.058824	231	0.8099	0.492963	2.733804	209.3474	19.24179
TS15_03_L_26	0.0671	0.0062	9.23994	0.399	0.043	10.77694	231	0.8099	0.458713	4.008494	229.9843	28.57864
TS15_03_M_26	0.0683	0.0069	10.10249	0.422	0.02	4.739336	231	0.8099	0.489011	1.827027	221.1462	24.12478
TS15_03_A_27	0.093	0.012	12.90323	0.535	0.073	13.64486	231	0.8099	0.637869	6.221583	213.528	38.80005
TS15_03_B_27	0.154	0.036	23.37662	0.644	0.056	8.695652	231	0.8099	0.781457	4.613762	213.3875	54.29655
TS15_03_C_27	0.202	0.017	8.415842	0.715	0.053	7.412587	231	0.8099	0.874986	4.320532	160.7683	19.60603
TS15_03_D_27	0.282	0.054	19.14894	0.671	0.057	8.494784	231	0.8099	0.817024	4.67315	324.3322	70.49024
TS15_03_E_27	0.321	0.056	17.44548	0.697	0.074	10.61693	231	0.8099	0.851275	6.04457	300.6369	64.99218
TS15_03_F_27	0.371	0.053	14.28571	0.722	0.068	9.418283	231	0.8099	0.884208	5.539617	271.1482	49.87157
TS15_03_G_27	0.331	0.064	19.33535	0.787	0.061	7.750953	231	0.8099	0.969833	4.951792	64.04921	13.96832
TS15_03_H_27	0.294	0.08	27.21088	0.712	0.054	7.58427	231	0.8099	0.871034	4.403397	239.9018	69.52962
TS15_03_I_27	0.236	0.054	22.88136	0.748	0.065	8.68984	231	0.8099	0.918458	5.284801	122.8759	31.19186
TS15_03_J_27	0.206	0.035	16.99029	0.778	0.06	7.712082	231	0.8099	0.957977	4.871716	55.56412	10.92047
TS15_03_K_27	0.255	0.063	24.70588	0.784	0.044	5.612245	231	0.8099	0.965881	3.572022	55.84279	14.40795
TS15_03_L_27	0.267	0.061	22.84644	0.75	0.068	9.066667	231	0.8099	0.921093	5.528054	134.4041	34.37942
TS15_03_M_27	0.257	0.031	12.06226	0.676	0.075	11.09467	231	0.8099	0.823611	6.144057	285.7989	50.12369

TS15_03_A_29	0.13	0.011	8.461538	0.635	0.05	7.874016	231	0.8099	0.769601	4.127275	190.2473	22.7839
TS15_03_B_29	0.185	0.026	14.05405	0.677	0.046	6.794682	231	0.8099	0.824928	3.76778	205.4785	33.20942
TS15_03_C_29	0.27	0.04	14.81481	0.715	0.061	8.531469	231	0.8099	0.874986	4.972688	213.9987	38.7092
TS15_03_D_29	0.309	0.054	17.47573	0.71	0.06	8.450704	231	0.8099	0.8684	4.893691	256.9505	52.29354
TS15_03_E_29	0.338	0.098	28.99408	0.761	0.06	7.884363	231	0.8099	0.935583	4.874869	138.8512	42.79219
TS15_03_F_29	0.307	0.055	17.91531	0.872	0.051	5.848624	231	0.8099	1.081806	4.145448	-163.965	-32.0392
TS15_03_G_29	0.359	0.073	20.33426	0.82	0.081	9.878049	231	0.8099	1.013305	6.574075	-30.8649	-7.46032
TS15_03_H_29	0.53	0.2	37.73585	0.714	0.062	8.683473	231	0.8099	0.873669	5.054716	417.787	166.4524
TS15_03_I_29	0.44	0.21	47.72727	0.722	0.066	9.141274	231	0.8099	0.884208	5.376688	320.3433	158.7132
TS15_03_J_29	0.43	0.21	48.83721	0.761	0.082	10.7753	231	0.8099	0.935583	6.662321	176.1328	89.7639
TS15_03_K_29	0.37	0.1	27.02703	0.79	0.11	13.92405	231	0.8099	0.973785	8.928942	62.22525	20.22302
TS15_03_L_29	0.38	0.1	26.31579	0.65	0.062	9.538462	231	0.8099	0.78936	5.102006	496.3795	144.0168
TS15_03_M_29	0.236	0.064	27.11864	0.655	0.052	7.938931	231	0.8099	0.795947	4.275045	303.1935	87.67244
TS15_03_A_30	0.0999	0.0092	9.209209	0.513	0.043	8.382066	231	0.8099	0.608888	3.702489	247.079	29.69577
TS15_03_B_30	0.129	0.012	9.302326	0.536	0.031	5.783582	231	0.8099	0.639186	2.640896	293.2749	32.01721
TS15_03_C_30	0.15	0.016	10.66667	0.599	0.021	3.505843	231	0.8099	0.722177	1.749262	263.1973	30.087
TS15_03_D_30	0.166	0.016	9.638554	0.612	0.034	5.555556	231	0.8099	0.739302	2.822072	273.1061	31.08496
TS15_03_E_30	0.171	0.022	12.8655	0.668	0.035	5.239521	231	0.8099	0.813072	2.870882	202.8326	28.96544
TS15_03_F_30	0.175	0.014	8	0.649	0.056	8.628659	231	0.8099	0.788043	4.609161	234.7853	29.11942
TS15_03_G_30	0.193	0.026	13.4715	0.661	0.064	9.6823	231	0.8099	0.803851	5.255888	239.5344	41.56582
TS15_03_H_30	0.21	0.03	14.28571	0.624	0.06	9.615385	231	0.8099	0.75511	4.965215	323.2758	57.4216
TS15_03_I_30	0.22	0.031	14.09091	0.633	0.037	5.845182	231	0.8099	0.766966	3.055533	322.2985	50.56136
TS15_03_J_30	0.238	0.033	13.86555	0.648	0.052	8.024691	231	0.8099	0.786726	4.280775	319.1813	53.10304
TS15_03_K_30	0.264	0.026	9.848485	0.634	0.049	7.728707	231	0.8099	0.768283	4.04562	382.7564	50.06866
TS15_03_L_30	0.266	0.024	9.022556	0.669	0.077	11.50972	231	0.8099	0.81439	6.314901	310.6672	49.21284
TS15_03_M_30	0.262	0.043	16.41221	0.719	0.085	11.82197	231	0.8099	0.880256	6.926455	199.1359	43.29028
TS15_03_A_31	0.16	0.018	11.25	0.714	0.044	6.162465	231	0.8099	0.873669	3.587217	129.0017	17.36265
TS15_03_B_31	0.226	0.037	16.37168	0.667	0.03	4.497751	231	0.8099	0.811755	2.461164	268.5788	46.71553
TS15_03_C_31	0.251	0.025	9.960159	0.715	0.053	7.412587	231	0.8099	0.874986	4.320532	199.1697	26.61757
TS15_03_D_31	0.285	0.02	7.017544	0.703	0.045	6.401138	231	0.8099	0.859178	3.673118	253.6644	26.23105
TS15_03_E_31	0.281	0.032	11.3879	0.728	0.05	6.868132	231	0.8099	0.892111	4.071109	192.53	27.30145
TS15_03_F_31	0.276	0.04	14.49275	0.691	0.053	7.670043	231	0.8099	0.843371	4.332535	272.8212	46.88529
TS15_03_G_31	0.279	0.044	15.77061	0.758	0.07	9.234828	231	0.8099	0.931631	5.688173	121.8068	23.86709
TS15_03_H_31	0.34	0.038	11.17647	0.693	0.057	8.225108	231	0.8099	0.846005	4.658304	328.9835	48.92461
TS15_03_I_31	0.338	0.032	9.467456	0.703	0.031	4.409673	231	0.8099	0.859178	2.53037	299.7558	32.85531
TS15_03_J_31	0.311	0.039	12.54019	0.734	0.057	7.765668	231	0.8099	0.900015	4.638827	197.3992	31.19317
TS15_03_K_31	0.312	0.048	15.38462	0.736	0.052	7.065217	231	0.8099	0.90265	4.231272	192.8835	34.28788

TS15_03_L_31	0.28	0.021	7.5	0.708	0.05	7.062147	231	0.8099	0.865765	4.078953	237.8511	26.79419
TS15_03_M_31	0.309	0.037	11.97411	0.686	0.046	6.705539	231	0.8099	0.836784	3.762858	317.184	45.81705
TS15_03_A_32	0.0584	0.0039	6.678082	0.354	0.023	6.497175	231	0.8099	0.399434	2.248876	222.221	18.17841
TS15_03_B_32	0.0712	0.0078	10.95506	0.485	0.056	11.54639	231	0.8099	0.572003	4.895204	193.5105	28.79787
TS15_03_C_32	0.126	0.024	19.04762	0.609	0.045	7.389163	231	0.8099	0.73535	3.738056	211.4549	43.83653
TS15_03_D_32	0.188	0.024	12.76596	0.681	0.056	8.223201	231	0.8099	0.830197	4.584132	202.5717	32.26303
TS15_03_E_32	0.232	0.036	15.51724	0.709	0.077	10.86037	231	0.8099	0.867082	6.280908	195.7839	39.56537
TS15_03_F_32	0.204	0.035	17.15686	0.613	0.039	6.362153	231	0.8099	0.74062	3.23624	332.3847	62.24705
TS15_03_G_32	0.134	0.018	13.43284	0.581	0.028	4.819277	231	0.8099	0.698465	2.345208	255.3468	36.95423
TS15_03_H_32	0.12	0.012	10	0.549	0.046	8.378871	231	0.8099	0.656311	3.897621	260.531	33.6224
TS15_03_I_32	0.1021	0.0089	8.716944	0.479	0.039	8.141962	231	0.8099	0.564099	3.421327	280.7	31.71575
TS15_03_J_32	0.0915	0.0072	7.868852	0.454	0.019	4.185022	231	0.8099	0.531166	1.694032	270.7732	23.64849
TS15_03_K_32	0.094	0.0066	7.021277	0.492	0.035	7.113821	231	0.8099	0.581224	3.047271	248.8954	23.55029
TS15_03_L_32	0.106	0.011	10.37736	0.517	0.03	5.802708	231	0.8099	0.614157	2.578066	258.4053	30.47935
TS15_03_M_32	0.108	0.014	12.96296	0.531	0.025	4.708098	231	0.8099	0.632599	2.134438	250.8446	34.81532
TS15_03_A_33	0.11	0.03	27.27273	0.559	0.057	10.19678	231	0.8099	0.669484	4.811007	230.2105	67.42683
TS15_03_B_33	0.212	0.035	16.50943	0.612	0.032	5.228758	231	0.8099	0.739302	2.656068	346.7828	61.49542
TS15_03_C_33	0.288	0.039	13.54167	0.699	0.066	9.44206	231	0.8099	0.853909	5.389786	265.6768	46.77464
TS15_03_D_33	0.287	0.047	16.37631	0.77	0.088	11.42857	231	0.8099	0.947439	7.147098	96.51818	21.10365
TS15_03_E_33	0.366	0.056	15.30055	0.703	0.057	8.108108	231	0.8099	0.859178	4.652616	323.9736	59.22666
TS15_03_F_33	0.289	0.092	31.83391	0.659	0.049	7.435508	231	0.8099	0.801216	4.025469	360.0896	120.4717
TS15_03_G_33	0.087	0.013	14.94253	0.52	0.044	8.461538	231	0.8099	0.618109	3.775714	210.698	35.75905
TS15_03_H_33	0.0724	0.0033	4.558011	0.383	0.041	10.70496	231	0.8099	0.437636	3.88235	257.2643	23.58842
TS15_03_I_33	0.0668	0.0037	5.538922	0.324	0.021	6.481481	231	0.8099	0.359914	2.134942	269.9041	19.2482
TS15_03_J_33	0.0619	0.0033	5.331179	0.328	0.02	6.097561	231	0.8099	0.365183	2.021966	248.4625	16.92793
TS15_03_K_33	0.061	0.0035	5.737705	0.316	0.02	6.329114	231	0.8099	0.349376	2.056876	250.8993	18.03757
TS15_03_L_33	0.0712	0.0073	10.25281	0.337	0.033	9.792285	231	0.8099	0.377039	3.296094	279.7698	34.75869
TS15_03_M_33	0.0796	0.0086	10.80402	0.407	0.036	8.845209	231	0.8099	0.469252	3.331427	266.7494	34.47731
TS15_03_A_34	0.16	0.022	13.75	0.595	0.024	4.033613	231	0.8099	0.716908	2.001484	285.569	41.68017
TS15_03_B_34	0.178	0.032	17.97753	0.629	0.066	10.49285	231	0.8099	0.761697	5.455344	267.8033	57.24857
TS15_03_C_34	0.169	0.022	13.01775	0.676	0.07	10.35503	231	0.8099	0.823611	5.734453	189.3576	33.25353
TS15_03_D_34	0.216	0.053	24.53704	0.663	0.053	7.993967	231	0.8099	0.806486	4.351013	263.975	69.77194
TS15_03_E_34	0.218	0.028	12.84404	0.639	0.042	6.57277	231	0.8099	0.77487	3.463921	308.8607	46.00562
TS15_03_F_34	0.222	0.031	13.96396	0.67	0.055	8.208955	231	0.8099	0.815707	4.509908	258.4901	43.69551
TS15_03_G_34	0.205	0.011	5.365854	0.678	0.051	7.522124	231	0.8099	0.826245	4.176691	225.6243	22.75709
TS15_03_H_34	0.163	0.027	16.56442	0.71	0.063	8.873239	231	0.8099	0.8684	5.138375	136.8188	26.89944
TS15_03_I_34	0.145	0.017	11.72414	0.696	0.067	9.626437	231	0.8099	0.849957	5.473466	138.7456	22.45726

TS15_03_J_34	0.195	0.029	14.87179	0.567	0.034	5.996473	231	0.8099	0.680023	2.861347	390.1776	63.77781
TS15_03_K_34	0.194	0.032	16.49485	0.547	0.032	5.850091	231	0.8099	0.653676	2.713569	419.1845	74.77367
TS15_03_L_34	0.154	0.017	11.03896	0.575	0.047	8.173913	231	0.8099	0.690561	3.94443	300.0995	41.54621
TS15_03_M_34	0.15	0.04	26.66667	0.622	0.071	11.41479	231	0.8099	0.752476	5.878333	235.0105	69.3788
TS15_03_A_35	0.066	0.0038	5.757576	0.366	0.083	22.6776	231	0.8099	0.415242	8.003612	244.1124	42.1844
TS15_03_B_35	0.0754	0.0073	9.681698	0.426	0.037	8.685446	231	0.8099	0.494281	3.368957	241.239	28.92957
TS15_03_C_35	0.109	0.016	14.6789	0.536	0.05	9.328358	231	0.8099	0.639186	4.259509	248.6708	42.88564
TS15_03_D_35	0.168	0.023	13.69048	0.609	0.033	5.418719	231	0.8099	0.73535	2.741241	280.4261	42.13037
TS15_03_E_35	0.266	0.037	13.90977	0.588	0.027	4.591837	231	0.8099	0.707687	2.256438	482.7107	72.8859
TS15_03_F_35	0.283	0.025	8.833922	0.693	0.072	10.38961	231	0.8099	0.846005	5.884174	274.9886	41.20813
TS15_03_G_35	0.314	0.038	12.10191	0.666	0.068	10.21021	231	0.8099	0.810438	5.579574	372.7215	62.85674
TS15_03_H_35	0.325	0.039	12	0.613	0.048	7.830343	231	0.8099	0.74062	3.983065	521.7299	77.80038
TS15_03_I_35	0.322	0.049	15.21739	0.689	0.068	9.869376	231	0.8099	0.840736	5.560205	322.3938	62.00942
TS15_03_J_35	0.306	0.053	17.32026	0.666	0.036	5.405405	231	0.8099	0.810438	2.953892	363.4881	68.06912
TS15_03_K_35	0.302	0.044	14.56954	0.643	0.07	10.88647	231	0.8099	0.780139	5.768382	414.4178	79.05845
TS15_03_L_35	0.305	0.027	8.852459	0.583	0.071	12.17839	231	0.8099	0.7011	5.942945	562.4204	86.51324
TS15_03_M_35	0.238	0.063	26.47059	0.594	0.053	8.922559	231	0.8099	0.715591	4.421251	422.2203	120.6437
TS15_03_A_36	0.226	0.024	10.61947	0.713	0.061	8.5554	231	0.8099	0.872352	4.973694	183.3376	27.00328
TS15_03_B_36	0.33	0.068	20.60606	0.719	0.039	5.4242	231	0.8099	0.880256	3.178021	249.8301	54.69836
TS15_03_C_36	0.6	0.21	35	0.75	0.043	5.733333	231	0.8099	0.921093	3.495681	298.1976	108.021
TS15_03_D_36	0.62	0.21	33.87097	0.761	0.083	10.9067	231	0.8099	0.935583	6.743569	252.4518	93.18663
TS15_03_E_36	0.56	0.16	28.57143	0.801	0.089	11.11111	231	0.8099	0.988276	7.223302	42.18575	13.5363
TS15_03_F_36	0.62	0.16	25.80645	0.831	0.071	8.543923	231	0.8099	1.027795	5.763292	-112.061	-31.4755
TS15_03_G_36	0.55	0.18	32.72727	0.835	0.083	9.94012	231	0.8099	1.033065	6.737886	-118.311	-41.6261
TS15_03_H_36	0.55	0.16	29.09091	0.802	0.084	10.47382	231	0.8099	0.989593	6.817448	36.79251	11.84351
TS15_03_I_36	0.6	0.11	18.33333	0.759	0.059	7.773386	231	0.8099	0.932948	4.79408	254.2644	53.43448
TS15_03_J_36	0.469	0.091	19.40299	0.757	0.054	7.133421	231	0.8099	0.930314	4.388241	207.3175	44.71168
TS15_03_K_36	0.322	0.038	11.80124	0.726	0.046	6.336088	231	0.8099	0.889477	3.746058	225.43	31.9899
TS15_03_L_36	0.29	0.032	11.03448	0.746	0.068	9.115282	231	0.8099	0.915823	5.5294	155.4751	24.53732
TS15_03_M_36	0.41	0.17	41.46341	0.757	0.076	10.03963	231	0.8099	0.930314	6.176043	181.6007	79.1967
TS15_03_A_37	0.096	0.013	13.54167	0.619	0.035	5.654281	231	0.8099	0.748524	2.899902	153.7788	22.88548
TS15_03_B_37	0.176	0.032	18.18182	0.626	0.06	9.584665	231	0.8099	0.757745	4.962863	269.1571	56.68546
TS15_03_C_37	0.202	0.026	12.87129	0.635	0.047	7.401575	231	0.8099	0.769601	3.879638	293.2481	44.93365
TS15_03_D_37	0.194	0.036	18.5567	0.73	0.085	11.64384	231	0.8099	0.894746	6.91974	130.3051	30.39964
TS15_03_E_37	0.218	0.026	11.92661	0.666	0.086	12.91291	231	0.8099	0.810438	7.05652	261.0382	49.03652
TS15_03_F_37	0.192	0.038	19.79167	0.613	0.057	9.298532	231	0.8099	0.74062	4.729889	313.2999	70.04171
TS15_03_G_37	0.176	0.017	9.659091	0.623	0.05	8.025682	231	0.8099	0.753793	4.138671	273.4561	35.43589

TS15_03_H_37	0.198	0.019	9.59596	0.701	0.064	9.129815	231	0.8099	0.856544	5.22521	180.5537	25.92651
TS15_03_I_37	0.202	0.026	12.87129	0.735	0.073	9.931973	231	0.8099	0.901333	5.940501	127.2185	22.4664
TS15_03_J_37	0.205	0.035	17.07317	0.631	0.057	9.033281	231	0.8099	0.764331	4.709286	304.1503	60.44269
TS15_03_K_37	0.248	0.048	19.35484	0.626	0.051	8.146965	231	0.8099	0.757745	4.218433	376.1077	81.25841
TS15_03_L_37	0.237	0.061	25.7384	0.667	0.064	9.595202	231	0.8099	0.811755	5.250484	281.37	79.45593
TS15_03_M_37	0.181	0.04	22.09945	0.691	0.083	12.01158	231	0.8099	0.843371	6.784914	180.2127	47.22075
TS15_03_A_38	0.614	0.075	12.21498	0.772	0.043	5.569948	231	0.8099	0.950074	3.492077	194.6454	27.74582
TS15_03_B_38	0.638	0.071	11.12853	0.813	0.065	7.99508	231	0.8099	1.004084	5.275284	-16.8174	-2.57608
TS15_03_C_38	0.63	0.1	15.87302	0.856	0.065	7.593458	231	0.8099	1.060728	5.279845	-251.475	-47.1919
TS15_03_D_38	0.72	0.19	26.38889	0.785	0.073	9.299363	231	0.8099	0.967199	5.926173	150.4745	43.89209
TS15_03_E_38	0.62	0.23	37.09677	0.83	0.056	6.746988	231	0.8099	1.026478	4.545617	-106.705	-40.5474
TS15_03_F_38	0.77	0.33	42.85714	0.773	0.035	4.527814	231	0.8099	0.951391	2.842289	236.8771	103.4777
TS15_03_G_38	0.61	0.39	63.93443	0.768	0.046	5.989583	231	0.8099	0.944804	3.736271	213.4729	138.2198
TS15_03_H_38	0.183	0.031	16.93989	0.673	0.056	8.320951	231	0.8099	0.819659	4.589703	209.3121	40.86048
TS15_03_I_38	0.127	0.012	9.448819	0.645	0.05	7.751938	231	0.8099	0.782774	4.118594	175.4329	22.25439
TS15_03_J_38	0.1209	0.0097	8.02316	0.604	0.051	8.443709	231	0.8099	0.728764	4.242226	208.0017	24.63774
TS15_03_K_38	0.1156	0.0078	6.747405	0.567	0.035	6.17284	231	0.8099	0.680023	2.945504	234.1445	21.32302
TS15_03_L_38	0.104	0.013	12.5	0.563	0.041	7.282416	231	0.8099	0.674754	3.45543	214.4472	31.0701
TS15_03_M_38	0.0897	0.006	6.688963	0.567	0.041	7.231041	231	0.8099	0.680023	3.450448	182.4191	17.75759
TS15_03_A_39	0.0646	0.0055	8.513932	0.42	0.042	10	231	0.8099	0.486377	3.843143	210.4205	24.48737
TS15_03_B_39	0.0775	0.0069	8.903226	0.432	0.034	7.87037	231	0.8099	0.502185	3.081044	244.0294	26.87313
TS15_03_C_39	0.0842	0.0054	6.413302	0.455	0.041	9.010989	231	0.8099	0.532483	3.653012	248.8953	24.62256
TS15_03_D_39	0.085	0.0064	7.529412	0.51	0.038	7.45098	231	0.8099	0.604936	3.276888	212.9183	21.57266
TS15_03_E_39	0.0854	0.0072	8.430913	0.543	0.057	10.49724	231	0.8099	0.648407	4.841465	190.7112	24.80338
TS15_03_F_39	0.0901	0.0099	10.98779	0.544	0.072	13.23529	231	0.8099	0.649725	6.113009	200.3033	33.35623
TS15_03_G_39	0.093	0.011	11.82796	0.586	0.066	11.2628	231	0.8099	0.705052	5.519176	174.4445	28.54464
TS15_03_H_39	0.101	0.01	9.90099	0.548	0.045	8.211679	231	0.8099	0.654994	3.814418	220.8043	28.01579
TS15_03_I_39	0.0944	0.0071	7.521186	0.565	0.038	6.725664	231	0.8099	0.677388	3.200269	193.3925	19.3597
TS15_03_J_39	0.107	0.01	9.345794	0.524	0.023	4.389313	231	0.8099	0.623378	1.969955	254.6832	26.29414
TS15_03_K_39	0.125	0.011	8.8	0.526	0.028	5.323194	231	0.8099	0.626013	2.395989	294.5276	30.12613
TS15_03_L_39	0.118	0.01	8.474576	0.567	0.077	13.58025	231	0.8099	0.680023	6.48011	238.9166	37.58065
TS15_03_M_39	0.106	0.013	12.26415	0.567	0.082	14.46208	231	0.8099	0.680023	6.900896	215.0205	40.24384
TS15_03_A_40	0.075	0.01	13.33333	0.506	0.042	8.300395	231	0.8099	0.599666	3.62924	190.7049	29.31666
TS15_03_B_40	0.114	0.01	8.77193	0.57	0.058	10.17544	231	0.8099	0.683975	4.875961	228.1584	30.39092
TS15_03_C_40	0.137	0.02	14.59854	0.631	0.04	6.339144	231	0.8099	0.764331	3.304762	204.8434	33.26746
TS15_03_D_40	0.173	0.034	19.65318	0.641	0.041	6.396256	231	0.8099	0.777505	3.380024	243.477	51.36515
TS15_03_E_40	0.154	0.019	12.33766	0.663	0.05	7.541478	231	0.8099	0.806486	4.104729	189.304	28.40691

TS15_03_F_40	0.198	0.025	12.62626	0.691	0.054	7.814761	231	0.8099	0.843371	4.414281	196.8828	30.72773
TS15_03_G_40	0.205	0.031	15.12195	0.706	0.077	10.90652	231	0.8099	0.86313	6.282973	178.3842	35.46512
TS15_03_H_40	0.205	0.018	8.780488	0.704	0.058	8.238636	231	0.8099	0.860496	4.733697	181.77	23.76095
TS15_03_I_40	0.208	0.019	9.134615	0.682	0.074	10.85044	231	0.8099	0.831515	6.056724	222.0457	34.18395
TS15_03_J_40	0.23	0.045	19.56522	0.613	0.053	8.646003	231	0.8099	0.74062	4.397967	373.5422	81.97403
TS15_03_K_40	0.25	0.062	24.8	0.681	0.05	7.342144	231	0.8099	0.830197	4.092975	268.0054	71.07456
TS15_03_L_40	0.202	0.042	20.79208	0.679	0.051	7.511046	231	0.8099	0.827563	4.176066	220.7214	50.1179
TS15_03_M_40	0.134	0.027	20.14925	0.55	0.051	9.272727	231	0.8099	0.657628	4.319556	289.1637	64.51336
TS15_03_A_41	0.45	0.12	26.66667	0.825	0.095	11.51515	231	0.8099	1.019892	7.710746	-57.9629	-17.7999
TS15_03_B_41	0.469	0.093	19.82942	0.723	0.068	9.405256	231	0.8099	0.885525	5.539116	337.1293	78.13835
TS15_03_C_41	0.453	0.098	21.63355	0.77	0.1	12.98701	231	0.8099	0.947439	8.121702	151.6914	41.39038
TS15_03_D_41	0.67	0.2	29.85075	0.78	0.1	12.82051	231	0.8099	0.960612	8.119064	167.9141	57.55172
TS15_03_E_41	0.76	0.22	28.94737	0.725	0.064	8.827586	231	0.8099	0.88816	5.21236	525.8911	166.4186
TS15_03_F_41	0.8	0.61	76.25	0.809	0.078	9.641533	231	0.8099	0.998814	6.330317	6.111337	4.724202
TS15_03_G_41	0.57	0.17	29.82456	0.867	0.058	6.689735	231	0.8099	1.075219	4.713345	-282.489	-87.0362
TS15_03_H_41	0.56	0.18	32.14286	0.8	0.11	13.75	231	0.8099	0.986959	8.927751	46.90852	17.28764
TS15_03_I_41	0.91	0.58	63.73626	0.8	0.11	13.75	231	0.8099	0.986959	8.927751	76.05395	50.44046
TS15_03_J_41	1.59	0.95	59.74843	0.755	0.085	11.25828	231	0.8099	0.927679	6.908136	701.6639	439.2746
TS15_03_K_41	2.2	1.2	54.54545	0.729	0.073	10.01372	231	0.8099	0.893429	5.943324	1357.814	792.9229
TS15_03_L_41	4.15	0.8	19.27711	0.69	0.16	23.18841	231	0.8099	0.842053	13.08108	3249.575	1244.845
TS15_03_M_41	1.3	1.5	115.3846	0.781	0.045	5.761844	231	0.8099	0.961929	3.65348	311.4003	358.698
TS15_03_A_42	0.7	0.1	14.28571	0.788	0.047	5.964467	231	0.8099	0.971151	3.815237	128.8852	21.04972
TS15_03_B_42	0.592	0.076	12.83784	0.751	0.068	9.054594	231	0.8099	0.92241	5.527733	289.5063	49.97219
TS15_03_C_42	0.603	0.081	13.43284	0.715	0.067	9.370629	231	0.8099	0.874986	5.461805	468.5068	83.59219
TS15_03_D_42	0.55	0.12	21.81818	0.751	0.063	8.388815	231	0.8099	0.92241	5.121282	269.3901	65.96756
TS15_03_E_42	0.392	0.08	20.40816	0.806	0.067	8.312655	231	0.8099	0.994862	5.437614	12.9695	3.001512
TS15_03_F_42	0.5	0.18	36	0.785	0.059	7.515924	231	0.8099	0.967199	4.789646	104.8677	39.26569
TS15_03_G_42	0.348	0.071	20.4023	0.82	0.073	8.902439	231	0.8099	1.013305	5.924784	-29.917	-7.04604
TS15_03_H_42	0.394	0.06	15.22843	0.731	0.045	6.155951	231	0.8099	0.896063	3.663095	258.7251	44.45768
TS15_03_I_42	0.338	0.046	13.60947	0.748	0.027	3.609626	231	0.8099	0.918458	2.195225	175.2668	25.35727
TS15_03_J_42	0.385	0.066	17.14286	0.759	0.028	3.689065	231	0.8099	0.932948	2.275157	164.3016	29.44851
TS15_03_K_42	0.398	0.055	13.8191	0.804	0.042	5.223881	231	0.8099	0.992228	3.408683	19.91012	3.072003
TS15_03_L_42	0.352	0.066	18.75	0.756	0.052	6.878307	231	0.8099	0.928996	4.225931	159.1364	33.05183
TS15_03_M_42	0.376	0.072	19.14894	0.701	0.025	3.566334	231	0.8099	0.856544	2.041098	338.6628	67.72322
TS15_03_A_43	0.131	0.018	13.74046	0.534	0.034	6.367041	231	0.8099	0.636551	2.898989	299.8425	45.61198
TS15_03_B_43	0.14	0.017	12.14286	0.567	0.058	10.22928	231	0.8099	0.680023	4.881122	282.4974	44.83673
TS15_03_C_43	0.168	0.02	11.90476	0.606	0.041	6.765677	231	0.8099	0.731398	3.408543	284.5226	39.78327

TS15_03_D_43	0.172	0.02	11.62791	0.647	0.048	7.418856	231	0.8099	0.785409	3.952266	233.6495	33.36774
TS15_03_E_43	0.186	0.033	17.74194	0.708	0.046	6.497175	231	0.8099	0.865765	3.752637	158.9757	30.93164
TS15_03_F_43	0.183	0.02	10.92896	0.735	0.041	5.578231	231	0.8099	0.901333	3.336446	115.3588	14.88753
TS15_03_G_43	0.227	0.035	15.4185	0.697	0.059	8.464849	231	0.8099	0.851275	4.819319	214.0422	39.45238
TS15_03_H_43	0.25	0.034	13.6	0.675	0.056	8.296296	231	0.8099	0.822293	4.588269	280.2131	46.81618
TS15_03_I_43	0.269	0.043	15.98513	0.71	0.079	11.12676	231	0.8099	0.8684	6.443359	224.2597	46.68742
TS15_03_J_43	0.238	0.052	21.84874	0.731	0.064	8.75513	231	0.8099	0.896063	5.209736	157.5239	38.48491
TS15_03_K_43	0.212	0.031	14.62264	0.697	0.057	8.177905	231	0.8099	0.851275	4.655952	200.1157	35.13997
TS15_03_L_43	0.267	0.044	16.4794	0.607	0.051	8.401977	231	0.8099	0.732716	4.238742	444.3736	84.69761
TS15_03_M_43	0.255	0.046	18.03922	0.665	0.082	12.33083	231	0.8099	0.80912	6.729448	306.3776	70.2366
TS15_02_A_1	1.5	0.35	23.33333	0.829	0.058	6.996381	226	0.821	1.010385	4.672907	-101.211	-25.2908
TS15_02_B_1	1.15	0.43	37.3913	0.82	0.048	5.853659	226	0.821	0.998702	3.867132	9.616503	3.673546
TS15_02_C_1	0.372	0.033	8.870968	0.744	0.052	6.989247	226	0.821	0.900042	4.201002	235.3558	29.22162
TS15_02_D_1	0.28	0.047	16.78571	0.721	0.058	8.044383	226	0.821	0.870185	4.695351	230.1576	44.91139
TS15_02_E_1	0.16	0.014	8.75	0.672	0.027	4.017857	226	0.821	0.806576	2.200341	196.4782	19.51039
TS15_02_F_1	0.138	0.011	7.971014	0.651	0.035	5.376344	226	0.821	0.779314	2.863498	193.3929	19.2405
TS15_02_G_1	0.1136	0.0084	7.394366	0.655	0.037	5.648855	226	0.821	0.784507	3.024703	155.9076	15.05882
TS15_02_H_1	0.1044	0.0065	6.226054	0.627	0.036	5.741627	226	0.821	0.748159	2.961178	167.3007	14.54774
TS15_02_I_1	0.1003	0.0072	7.178465	0.618	0.022	3.559871	226	0.821	0.736475	1.813736	168.1756	13.6897
TS15_02_J_1	0.1172	0.0075	6.399317	0.6	0.029	4.833333	226	0.821	0.713109	2.402862	213.1877	17.32313
TS15_02_K_1	0.1168	0.0074	6.335616	0.632	0.035	5.537975	226	0.821	0.75465	2.875465	182.137	15.78741
TS15_02_L_1	0.124	0.011	8.870968	0.624	0.049	7.852564	226	0.821	0.744264	4.033487	201.2494	24.46477
TS15_02_M_1	0.1315	0.0093	7.072243	0.678	0.042	6.19469	226	0.821	0.814364	3.419348	155.4739	15.46275
TS15_02_A_2	0.461	0.038	8.24295	0.765	0.048	6.27451	226	0.821	0.927304	3.872636	212.4979	24.38967
TS15_02_B_2	0.604	0.076	12.58278	0.756	0.039	5.15873	226	0.821	0.91562	3.148146	320.4459	46.06175
TS15_02_C_2	0.675	0.074	10.96296	0.796	0.055	6.909548	226	0.821	0.967546	4.432292	139.6925	19.87879
TS15_02_D_2	0.764	0.086	11.25654	0.803	0.056	6.973848	226	0.821	0.976633	4.512282	114.0673	16.58217
TS15_02_E_2	0.86	0.11	12.7907	0.845	0.044	5.207101	226	0.821	1.031156	3.545703	-175.08	-25.3105
TS15_02_F_2	0.91	0.13	14.28571	0.878	0.057	6.492027	226	0.821	1.073995	4.598066	-449.375	-74.1723
TS15_02_G_2	1.01	0.16	15.84158	0.788	0.047	5.964467	226	0.821	0.957161	3.788379	273.0539	48.79386
TS15_02_H_2	1.05	0.16	15.2381	0.769	0.029	3.771131	226	0.821	0.932496	2.339244	441.4493	72.42457
TS15_02_I_2	1.38	0.28	20.28986	0.797	0.051	6.398996	226	0.821	0.968844	4.109855	271.3692	60.3914
TS15_02_J_2	1.17	0.17	14.52991	0.805	0.043	5.341615	226	0.821	0.97923	3.464686	154.7836	25.16887
TS15_02_K_2	1.11	0.17	15.31532	0.805	0.044	5.465839	226	0.821	0.97923	3.54526	146.9357	25.0345
TS15_02_L_2	1.72	0.38	22.09302	0.783	0.041	5.236271	226	0.821	0.95067	3.305287	524.99	124.9153
TS15_02_M_2	1.57	0.39	24.84076	0.804	0.049	6.094527	226	0.821	0.977931	3.948187	219.5708	57.95703
TS15_02_A_3	0.672	0.031	4.613095	0.808	0.031	3.836634	226	0.821	0.983124	2.497702	72.69506	4.969042

TS15_02_B_3	0.766	0.055	7.180157	0.803	0.039	4.856787	226	0.821	0.976633	3.142482	114.3633	11.00087
TS15_02_C_3	0.851	0.057	6.698002	0.826	0.039	4.72155	226	0.821	1.006491	3.142076	-35.7063	-3.27119
TS15_02_D_3	0.74	0.11	14.86486	0.803	0.037	4.607721	226	0.821	0.976633	2.981329	110.5146	17.82811
TS15_02_E_3	0.729	0.094	12.89438	0.775	0.03	3.870968	226	0.821	0.940285	2.419247	274.69	38.5333
TS15_02_F_3	0.735	0.053	7.210884	0.783	0.029	3.703704	226	0.821	0.95067	2.337886	229.5924	20.0559
TS15_02_G_3	0.667	0.034	5.097451	0.779	0.03	3.851091	226	0.821	0.945478	2.418855	230.2707	16.45403
TS15_02_H_3	0.711	0.035	4.922644	0.791	0.036	4.551201	226	0.821	0.961055	2.901492	176.0718	13.56884
TS15_02_I_3	0.703	0.039	5.547653	0.801	0.037	4.619226	226	0.821	0.974037	2.981428	116.5991	9.575643
TS15_02_J_3	0.609	0.044	7.224959	0.782	0.026	3.324808	226	0.821	0.949372	2.096109	195.7557	16.58119
TS15_02_K_3	0.536	0.037	6.902985	0.783	0.016	2.043423	226	0.821	0.95067	1.289868	168.2335	12.54856
TS15_02_L_3	0.453	0.03	6.622517	0.756	0.027	3.571429	226	0.821	0.91562	2.179485	241.8153	19.50649
TS15_02_M_3	0.43	0.033	7.674419	0.753	0.018	2.390438	226	0.821	0.911726	1.453269	240.1628	20.04919
TS15_02_A_4	0.425	0.024	5.647059	0.743	0.024	3.230148	226	0.821	0.898744	1.939072	271.6099	18.9762
TS15_02_B_4	0.361	0.036	9.972299	0.741	0.031	4.183536	226	0.821	0.896148	2.505025	237.2597	26.9154
TS15_02_C_4	0.257	0.026	10.11673	0.772	0.041	5.310881	226	0.821	0.936391	3.30674	104.5314	12.72473
TS15_02_D_4	0.163	0.026	15.95092	0.658	0.068	10.33435	226	0.821	0.788401	5.555671	218.5921	43.0776
TS15_02_E_4	0.0942	0.0076	8.067941	0.505	0.031	6.138614	226	0.821	0.589784	2.669732	244.4119	24.05538
TS15_02_F_4	0.0893	0.0084	9.406495	0.54	0.043	7.962963	226	0.821	0.63522	3.641211	206.6435	24.93236
TS15_02_G_4	0.122	0.012	9.836066	0.688	0.04	5.813953	226	0.821	0.827346	3.251507	134.3756	15.99123
TS15_02_H_4	0.136	0.012	8.823529	0.677	0.051	7.533235	226	0.821	0.813066	4.152739	161.8385	19.82861
TS15_02_I_4	0.1188	0.0061	5.13468	0.558	0.044	7.885305	226	0.821	0.658586	3.698396	256.3028	23.50032
TS15_02_J_4	0.1204	0.0043	3.571429	0.51	0.035	6.862745	226	0.821	0.596275	3.006312	305.9727	21.87648
TS15_02_K_4	0.1135	0.0045	3.964758	0.54	0.043	7.962963	226	0.821	0.63522	3.641211	261.5209	22.0926
TS15_02_L_4	0.1176	0.0051	4.336735	0.578	0.034	5.882353	226	0.821	0.684549	2.837017	234.8136	17.05594
TS15_02_M_4	0.11	0.0055	5	0.589	0.032	5.432937	226	0.821	0.698829	2.660427	210.1007	15.57434
TS15_02_A_5	0.0842	0.0048	5.700713	0.527	0.031	5.882353	226	0.821	0.618344	2.640512	203.8995	16.07807
TS15_02_B_5	0.0803	0.0044	5.479452	0.521	0.028	5.37428	226	0.821	0.610555	2.391819	198.5072	14.6469
TS15_02_C_5	0.0779	0.004	5.134788	0.522	0.031	5.938697	226	0.821	0.611853	2.646803	192.0293	14.35889
TS15_02_D_5	0.0761	0.0032	4.204993	0.516	0.029	5.620155	226	0.821	0.604064	2.483353	191.3664	12.62786
TS15_02_E_5	0.0758	0.0036	4.74934	0.497	0.027	5.432596	226	0.821	0.579399	2.335406	202.3135	13.67586
TS15_02_F_5	0.0682	0.0039	5.718475	0.478	0.032	6.694561	226	0.821	0.554734	2.798975	192.8455	15.64637
TS15_02_G_5	0.0621	0.0023	3.703704	0.443	0.022	4.96614	226	0.821	0.509299	1.970825	193.505	10.61602
TS15_02_H_5	0.0615	0.0024	3.902439	0.435	0.018	4.137931	226	0.821	0.498914	1.622403	195.6583	10.07443
TS15_02_I_5	0.06	0.0027	4.5	0.424	0.028	6.603774	226	0.821	0.484634	2.54621	196.3159	13.53222
TS15_02_J_5	0.0644	0.0033	5.124224	0.469	0.034	7.249467	226	0.821	0.543051	2.990956	186.9643	14.92479
TS15_02_K_5	0.0687	0.0026	3.784571	0.488	0.018	3.688525	226	0.821	0.567716	1.564965	188.6574	9.395316
TS15_02_L_5	0.0737	0.0032	4.341927	0.461	0.024	5.206074	226	0.821	0.532666	2.122529	218.2928	13.4683

TS15_02_M_5	0.0741	0.0055	7.422402	0.539	0.048	8.90538	226	0.821	0.633922	4.066379	172.5384	19.22537
TS15_02_A_6	0.0707	0.0032	4.526167	0.39	0.016	4.102564	226	0.821	0.440497	1.500687	250.0856	13.83388
TS15_02_B_6	0.083	0.0091	10.96386	0.384	0.022	5.729167	226	0.821	0.432708	2.075995	296.6016	35.48719
TS15_02_C_6	0.25	0.084	33.6	0.594	0.095	15.99327	226	0.821	0.70532	7.885751	458.2287	173.9063
TS15_02_D_6	0.516	0.053	10.27132	0.784	0.051	6.505102	226	0.821	0.951968	4.111314	157.822	20.98701
TS15_02_E_6	0.496	0.053	10.68548	0.721	0.043	5.963939	226	0.821	0.870185	3.481036	402.2578	52.71994
TS15_02_F_6	0.453	0.04	8.830022	0.704	0.041	5.823864	226	0.821	0.848116	3.325559	428.9418	48.84593
TS15_02_G_6	0.31	0.029	9.354839	0.726	0.049	6.749311	226	0.821	0.876676	3.96478	241.8556	30.1525
TS15_02_H_6	0.315	0.041	13.01587	0.739	0.049	6.630582	226	0.821	0.893552	3.960191	212.6112	32.8504
TS15_02_I_6	0.33	0.048	14.54545	0.709	0.067	9.449929	226	0.821	0.854607	5.431146	302.1058	55.90591
TS15_02_J_6	0.221	0.018	8.144796	0.581	0.034	5.851979	226	0.821	0.688444	2.834127	429.2471	43.89472
TS15_02_K_6	0.189	0.013	6.878307	0.551	0.032	5.807623	226	0.821	0.649499	2.697242	413.4909	37.22151
TS15_02_L_6	0.1656	0.0097	5.857488	0.432	0.028	6.481481	226	0.821	0.495019	2.529717	517.7225	41.59049
TS15_02_M_6	0.1443	0.0092	6.375606	0.413	0.019	4.600484	226	0.821	0.470355	1.744106	474.7655	35.70665
TS15_02_A_7	0.0642	0.0073	11.37072	0.36	0.027	7.5	226	0.821	0.401553	2.615694	243.0339	30.92552
TS15_02_B_7	0.0869	0.0057	6.559264	0.486	0.035	7.201646	226	0.821	0.56512	3.046577	239.1267	21.77345
TS15_02_C_7	0.12	0.01	8.333333	0.571	0.031	5.429072	226	0.821	0.675462	2.593054	246.2873	24.59459
TS15_02_D_7	0.1514	0.0098	6.472919	0.634	0.044	6.940063	226	0.821	0.757246	3.613177	232.6749	22.94437
TS15_02_E_7	0.172	0.013	7.55814	0.654	0.043	6.574924	226	0.821	0.783209	3.515891	236.0012	24.76704
TS15_02_F_7	0.17	0.011	6.470588	0.685	0.05	7.29927	226	0.821	0.823452	4.066201	190.6312	20.07593
TS15_02_G_7	0.169	0.011	6.508876	0.726	0.057	7.85124	226	0.821	0.876676	4.612091	132.974	15.15008
TS15_02_H_7	0.204	0.018	8.823529	0.707	0.056	7.920792	226	0.821	0.852011	4.540552	191.736	24.59489
TS15_02_I_7	0.237	0.02	8.438819	0.72	0.058	8.055556	226	0.821	0.868887	4.695838	197.2655	25.24237
TS15_02_J_7	0.252	0.02	7.936508	0.739	0.049	6.630582	226	0.821	0.893552	3.960191	170.6463	19.36015
TS15_02_K_7	0.292	0.016	5.479452	0.689	0.039	5.660377	226	0.821	0.828644	3.169755	314.7421	26.97134
TS15_02_L_7	0.358	0.031	8.659218	0.779	0.037	4.749679	226	0.821	0.945478	2.983255	124.6152	13.21816
TS15_02_M_7	0.396	0.029	7.323232	0.737	0.047	6.377205	226	0.821	0.890955	3.799178	272.5244	29.3092
TS15_02_A_8	0.43	0.11	25.5814	0.723	0.037	5.117566	226	0.821	0.872781	2.9947	343.3375	91.99162
TS15_02_B_8	0.78	0.11	14.10256	0.766	0.051	6.657963	226	0.821	0.928602	4.114461	349.3648	58.35277
TS15_02_C_8	0.4	0.18	45	0.61	0.13	21.31148	226	0.821	0.72609	10.74063	670.2148	342.9045
TS15_02_D_8	0.0973	0.0055	5.652621	0.353	0.015	4.249292	226	0.821	0.392465	1.465317	370.2296	24.21764
TS15_02_E_8	0.1033	0.0058	5.614714	0.438	0.043	9.817352	226	0.821	0.502808	3.866727	322.8652	31.56375
TS15_02_F_8	0.0937	0.0065	6.937033	0.549	0.028	5.100182	226	0.821	0.646903	2.362018	209.8285	17.87541
TS15_02_G_8	0.0988	0.0062	6.275304	0.571	0.029	5.078809	226	0.821	0.675462	2.42576	203.4552	16.37463
TS15_02_H_8	0.137	0.018	13.13869	0.667	0.052	7.796102	226	0.821	0.800085	4.241386	174.1823	27.55299
TS15_02_I_8	0.222	0.023	10.36036	0.721	0.051	7.073509	226	0.821	0.870185	4.128671	183.1522	24.5659
TS15_02_J_8	0.263	0.022	8.365019	0.703	0.042	5.974395	226	0.821	0.846818	3.407098	254.6105	27.95942

TS15_02_K_8	0.232	0.017	7.327586	0.668	0.042	6.287425	226	0.821	0.801383	3.425128	290.4048	29.72775
TS15_02_L_8	0.183	0.015	8.196721	0.707	0.057	8.062235	226	0.821	0.852011	4.621633	172.2597	21.53205
TS15_02_M_8	0.1529	0.0085	5.559189	0.663	0.065	9.803922	226	0.821	0.794892	5.305574	199.0606	24.17246
TS15_02_A_9	0.593	0.054	9.106239	0.836	0.044	5.263158	226	0.821	1.019472	3.545199	-74.8702	-8.5966
TS15_02_B_9	0.596	0.034	5.704698	0.796	0.031	3.894472	226	0.821	0.967546	2.498201	123.4988	9.448741
TS15_02_C_9	0.592	0.054	9.121622	0.807	0.041	5.080545	226	0.821	0.981826	3.303451	68.98698	7.806998
TS15_02_D_9	0.723	0.091	12.58645	0.799	0.042	5.256571	226	0.821	0.971441	3.384449	131.7524	18.99464
TS15_02_E_9	1.22	0.22	18.03279	0.776	0.033	4.252577	226	0.821	0.941583	2.66106	443.7933	85.80659
TS15_02_F_9	1.56	0.18	11.53846	0.818	0.039	4.767726	226	0.821	0.996106	3.142055	39.0457	5.143623
TS15_02_G_9	1.59	0.28	17.61006	0.801	0.044	5.493134	226	0.821	0.974037	3.545483	260.7695	50.32274
TS15_02_H_9	1.3	0.33	25.38462	0.833	0.062	7.442977	226	0.821	1.015578	4.995341	-131.887	-35.7119
TS15_02_I_9	1.12	0.17	15.17857	0.841	0.055	6.539834	226	0.821	1.025963	4.431814	-190.232	-33.0331
TS15_02_J_9	1.67	0.32	19.16168	0.84	0.048	5.714286	226	0.821	1.024665	3.867704	-271.153	-55.1043
TS15_02_K_9	2.05	0.36	17.56098	0.81	0.052	6.419753	226	0.821	0.98572	4.189608	185.9985	36.61388
TS15_02_L_9	1.62	0.33	20.37037	0.817	0.062	7.588739	226	0.821	0.994807	4.995077	54.00053	12.29149
TS15_02_M_9	1.48	0.26	17.56757	0.811	0.049	6.041924	226	0.821	0.987018	3.947864	122.6778	23.81044
TS15_02_A_10	0.669	0.045	6.726457	0.785	0.035	4.458599	226	0.821	0.953267	2.821397	198.4585	17.67117
TS15_02_B_10	0.735	0.07	9.52381	0.772	0.042	5.440415	226	0.821	0.936391	3.387392	294.5553	35.12928
TS15_02_C_10	0.844	0.061	7.227488	0.807	0.047	5.82404	226	0.821	0.981826	3.786883	98.13051	10.3435
TS15_02_D_10	0.776	0.049	6.314433	0.788	0.042	5.329949	226	0.821	0.957161	3.38536	210.8135	19.80976
TS15_02_E_10	0.708	0.053	7.485876	0.809	0.044	5.438813	226	0.821	0.984422	3.545088	70.70885	7.326488
TS15_02_F_10	0.599	0.031	5.175292	0.824	0.029	3.519417	226	0.821	1.003894	2.3364	-15.0556	-1.04864
TS15_02_G_10	0.572	0.027	4.72028	0.799	0.037	4.630788	226	0.821	0.971441	2.981538	104.4573	8.003943
TS15_02_H_10	0.586	0.041	6.996587	0.758	0.044	5.804749	226	0.821	0.918217	3.551319	301.7704	30.7283
TS15_02_I_10	0.574	0.038	6.620209	0.721	0.038	5.270458	226	0.821	0.870185	3.076264	463.293	43.26701
TS15_02_J_10	0.466	0.05	10.72961	0.769	0.065	8.452536	226	0.821	0.932496	5.243132	199.6594	30.35179
TS15_02_K_10	0.251	0.048	19.12351	0.646	0.042	6.501548	226	0.821	0.772824	3.439766	357.4848	74.27538
TS15_02_L_10	0.161	0.014	8.695652	0.543	0.033	6.077348	226	0.821	0.639114	2.790812	364.0763	38.58655
TS15_02_M_10	0.1545	0.0099	6.407767	0.515	0.041	7.961165	226	0.821	0.602766	3.512708	383.968	37.51039
TS15_02_A_11	0.177	0.027	15.25424	0.579	0.064	11.05354	226	0.821	0.685848	5.338442	348.8416	66.39915
TS15_02_B_11	0.248	0.017	6.854839	0.713	0.057	7.99439	226	0.821	0.8598	4.618388	220.3311	25.73018
TS15_02_C_11	0.239	0.013	5.439331	0.69	0.055	7.971014	226	0.821	0.829942	4.469521	256.8223	27.35794
TS15_02_D_11	0.248	0.012	4.83871	0.704	0.032	4.545455	226	0.821	0.848116	2.595558	238.3565	17.20867
TS15_02_E_11	0.297	0.022	7.407407	0.731	0.04	5.471956	226	0.821	0.883166	3.235037	219.8943	21.96273
TS15_02_F_11	0.439	0.07	15.94533	0.758	0.041	5.408971	226	0.821	0.918217	3.309183	227.3874	39.8341
TS15_02_G_11	0.504	0.055	10.9127	0.755	0.052	6.887417	226	0.821	0.914322	4.197791	272.5244	38.2136
TS15_02_H_11	0.466	0.045	9.656652	0.78	0.06	7.692308	226	0.821	0.946776	4.837527	157.9364	21.81892

TS15_02_I_11	0.52	0.048	9.230769	0.802	0.044	5.486284	226	0.821	0.975335	3.545422	82.15423	9.616684
TS15_02_J_11	0.438	0.033	7.534247	0.769	0.041	5.331599	226	0.821	0.932496	3.307207	187.8357	19.08069
TS15_02_K_11	0.392	0.022	5.612245	0.754	0.05	6.6313	226	0.821	0.913024	4.036596	216.1243	21.57404
TS15_02_L_11	0.359	0.049	13.64903	0.758	0.049	6.46438	226	0.821	0.918217	3.954878	186.5432	29.78874
TS15_02_M_11	0.162	0.034	20.98765	0.645	0.069	10.69767	226	0.821	0.771525	5.652247	234.2907	56.62922
TS15_02_A_12	0.167	0.082	49.1018	0.634	0.074	11.67192	226	0.821	0.757246	6.076707	256.1789	130.8564
TS15_02_B_12	0.175	0.08	45.71429	0.67	0.053	7.910448	226	0.821	0.803979	4.320673	217.4271	102.0684
TS15_02_C_12	0.1044	0.0035	3.35249	0.595	0.015	2.521008	226	0.821	0.706618	1.244735	194.4843	8.239603
TS15_02_D_12	0.1089	0.0057	5.23416	0.62	0.031	5	226	0.821	0.739072	2.554392	180.6212	13.38374
TS15_02_E_12	0.1063	0.0048	4.515522	0.606	0.033	5.445545	226	0.821	0.720898	2.729529	188.4737	13.53546
TS15_02_F_12	0.1233	0.0076	6.163828	0.591	0.022	3.722504	226	0.821	0.701425	1.827884	233.0559	16.98492
TS15_02_G_12	0.1436	0.0068	4.735376	0.61	0.025	4.098361	226	0.821	0.72609	2.065505	248.7	15.91411
TS15_02_H_12	0.1466	0.0078	5.3206	0.656	0.038	5.792683	226	0.821	0.785805	3.105843	199.3105	16.53473
TS15_02_I_12	0.176	0.026	14.77273	0.684	0.044	6.432749	226	0.821	0.822153	3.578801	198.6857	33.03803
TS15_02_J_12	0.363	0.039	10.7438	0.755	0.051	6.754967	226	0.821	0.914322	4.117065	197.436	27.08194
TS15_02_K_12	0.521	0.065	12.47601	0.771	0.053	6.874189	226	0.821	0.935092	4.274763	214.3923	32.88658
TS15_02_L_12	0.65	0.053	8.153846	0.766	0.055	7.180157	226	0.821	0.928602	4.437164	292.4364	35.95416
TS15_02_M_12	0.596	0.052	8.724832	0.75	0.068	9.066667	226	0.821	0.907831	5.491236	344.7338	49.4793
TS15_02_A_13	0.66	0.14	21.21212	0.796	0.05	6.281407	226	0.821	0.967546	4.029357	136.6209	31.25605
TS15_02_B_13	1.71	0.42	24.5614	0.821	0.048	5.846529	226	0.821	1	3.86713	0	0
TS15_02_C_13	4.5	1.8	40	0.85	0.031	3.647059	226	0.821	1.037646	2.498374	-1196.57	-455.979
TS15_02_D_13	5.8	2	34.48276	0.832	0.035	4.206731	226	0.821	1.01428	2.819924	-557.317	-189.304
TS15_02_E_13	6	2.7	45	0.79	0.042	5.316456	226	0.821	0.959757	3.385166	1394.262	672.0397
TS15_02_F_13	7.1	7.7	108.4507	0.807	0.045	5.576208	226	0.821	0.981826	3.625739	782.3647	846.0936
TS15_02_G_13	2.64	0.98	37.12121	0.866	0.08	9.237875	226	0.821	1.058417	6.45041	-1079.75	-403.039
TS15_02_H_13	2.82	0.45	15.95745	0.833	0.049	5.882353	226	0.821	1.015578	3.947931	-289.596	-50.617
TS15_02_I_13	6.4	2.2	34.375	0.835	0.04	4.790419	226	0.821	1.018174	3.22287	-797.124	-267.723
TS15_02_J_13	10.63	0.74	6.96143	0.774	0.053	6.847545	226	0.821	0.938987	4.274186	3222.612	445.1893
TS15_02_K_13	5.8	6.1	105.1724	0.91	0.028	3.076923	226	0.821	1.115535	2.262564	-7148.96	-7878.79
TS15_02_L_13	5.7	2.6	45.61404	0.94	0.099	10.53191	226	0.821	1.15448	8.017067	-13696.9	-3575.65
TS15_02_M_13	no value	NAN	#VALUE!	no value	NAN	#VALUE!	226	0.821	#VALUE!	#VALUE!	#VALUE!	#VALUE!
TS15_02_A_14	0.375	0.021	5.6	0.783	0.035	4.469987	226	0.821	0.95067	2.821586	118.1604	9.473623
TS15_02_B_14	0.422	0.029	6.872038	0.748	0.04	5.347594	226	0.821	0.905235	3.230591	252.7761	24.27096
TS15_02_C_14	0.436	0.024	5.504587	0.736	0.045	6.11413	226	0.821	0.889657	3.637817	302.9043	28.23262
TS15_02_D_14	0.465	0.035	7.526882	0.751	0.035	4.660453	226	0.821	0.909129	2.826178	266.7942	25.58918
TS15_02_E_14	0.524	0.049	9.351145	0.756	0.031	4.100529	226	0.821	0.91562	2.502372	278.9068	30.15999
TS15_02_F_14	0.566	0.053	9.363958	0.8	0.036	4.5	226	0.821	0.972739	2.900902	98.70743	10.94764

TS15_02_G_14	0.608	0.053	8.717105	0.8	0.065	8.125	226	0.821	0.972739	5.237739	105.9721	14.54486
TS15_02_H_14	0.646	0.043	6.656347	0.782	0.061	7.800512	226	0.821	0.949372	4.917794	207.4595	24.99069
TS15_02_I_14	0.644	0.051	7.919255	0.753	0.051	6.772908	226	0.821	0.911726	4.117596	356.4317	41.73415
TS15_02_J_14	0.646	0.083	12.8483	0.802	0.051	6.359102	226	0.821	0.975335	4.109466	101.9042	15.64713
TS15_02_K_14	0.662	0.062	9.365559	0.796	0.06	7.537688	226	0.821	0.967546	4.835228	137.0305	18.6179
TS15_02_L_14	0.676	0.073	10.79882	0.748	0.059	7.887701	226	0.821	0.905235	4.765122	400.2762	59.20566
TS15_02_M_14	0.551	0.062	11.25227	0.813	0.068	8.364084	226	0.821	0.989615	5.478584	36.78284	5.790961
TS15_02_A_15	0.775	0.09	11.6129	0.77	0.034	4.415584	226	0.821	0.933794	2.74243	322.5556	42.34044
TS15_02_B_15	0.547	0.038	6.946984	0.808	0.038	4.70297	226	0.821	0.983124	3.0617	59.23483	5.508358
TS15_02_C_15	0.549	0.037	6.739526	0.786	0.045	5.725191	226	0.821	0.954565	3.627394	158.8264	15.90299
TS15_02_D_15	0.507	0.048	9.467456	0.776	0.041	5.283505	226	0.821	0.941583	3.306165	188.1527	22.01039
TS15_02_E_15	0.404	0.03	7.425743	0.8	0.051	6.375	226	0.821	0.972739	4.10961	70.60953	7.85953
TS15_02_F_15	0.341	0.023	6.744868	0.797	0.049	6.148055	226	0.821	0.968844	3.948684	68.12587	7.10891
TS15_02_G_15	0.371	0.028	7.54717	0.806	0.059	7.320099	226	0.821	0.980528	4.753807	46.40283	5.650668
TS15_02_H_15	0.418	0.028	6.698565	0.81	0.057	7.037037	226	0.821	0.98572	4.592455	38.3636	4.372725
TS15_02_I_15	0.516	0.056	10.85271	0.783	0.055	7.024266	226	0.821	0.95067	4.433921	162.0343	22.95599
TS15_02_J_15	0.704	0.065	9.232955	0.784	0.039	4.97449	226	0.821	0.951968	3.143946	214.3761	24.30413
TS15_02_K_15	0.36	0.15	41.66667	0.716	0.053	7.402235	226	0.821	0.863694	4.292858	308.81	133.1862
TS15_02_L_15	0.1417	0.0093	6.563162	0.659	0.032	4.855842	226	0.821	0.7897	2.613933	189.2937	16.09866
TS15_02_M_15	0.11	0.0074	6.727273	0.622	0.051	8.199357	226	0.821	0.741668	4.200237	180.6302	19.68455
TS15_02_A_16	0.415	0.04	9.638554	0.772	0.045	5.829016	226	0.821	0.936391	3.629349	167.9644	20.50044
TS15_02_B_16	0.388	0.019	4.896907	0.773	0.053	6.856404	226	0.821	0.937689	4.274374	153.9992	15.33633
TS15_02_C_16	0.398	0.028	7.035176	0.78	0.052	6.666667	226	0.821	0.946776	4.192524	135.1296	14.92934
TS15_02_D_16	0.416	0.039	9.375	0.742	0.053	7.142857	226	0.821	0.897446	4.282448	269.3148	34.8287
TS15_02_E_16	0.476	0.041	8.613445	0.769	0.049	6.371912	226	0.821	0.932496	3.952515	203.8768	24.17092
TS15_02_F_16	0.486	0.039	8.024691	0.808	0.066	8.168317	226	0.821	0.983124	5.317689	52.65602	7.040336
TS15_02_G_16	0.524	0.042	8.015267	0.797	0.059	7.40276	226	0.821	0.968844	4.754538	104.3914	13.07508
TS15_02_H_16	0.671	0.073	10.87928	0.789	0.061	7.731305	226	0.821	0.958459	4.916689	177.2279	26.29684
TS15_02_I_16	0.79	0.1	12.65823	0.838	0.062	7.398568	226	0.821	1.022069	4.995638	-113.379	-18.1495
TS15_02_J_16	0.784	0.079	10.07653	0.875	0.066	7.542857	226	0.821	1.0701	5.323405	-364.393	-52.1456
TS15_02_K_16	0.792	0.087	10.98485	0.823	0.046	5.589307	226	0.821	1.002596	3.706006	-13.2692	-1.75681
TS15_02_L_16	0.93	0.14	15.05376	0.802	0.037	4.613466	226	0.821	0.975335	2.981378	146.1995	23.89826
TS15_02_M_16	1.03	0.17	16.50485	0.773	0.042	5.433376	226	0.821	0.937689	3.38724	400.9997	73.39526
TS15_02_A_17	0.288	0.021	7.291667	0.696	0.036	5.172414	226	0.821	0.837731	2.923049	294.4354	28.09434
TS15_02_B_17	0.314	0.029	9.235669	0.705	0.035	4.964539	226	0.821	0.849415	2.838539	297.8243	32.96011
TS15_02_C_17	0.316	0.028	8.860759	0.712	0.029	4.073034	226	0.821	0.858502	2.349974	281.9835	28.84625
TS15_02_D_17	0.323	0.03	9.287926	0.738	0.039	5.284553	226	0.821	0.892253	3.152247	220.5333	25.13525

TS15_02_E_17	0.42	0.03	7.142857	0.743	0.046	6.191117	226	0.821	0.898744	3.716554	268.4801	28.19976
TS15_02_F_17	0.417	0.033	7.913669	0.789	0.042	5.323194	226	0.821	0.958459	3.385262	110.712	11.61943
TS15_02_G_17	0.451	0.043	9.534368	0.826	0.043	5.205811	226	0.821	1.006491	3.46434	-18.8985	-2.2245
TS15_02_H_17	0.53	0.041	7.735849	0.821	0.05	6.090134	226	0.821	1	4.028261	0	0
TS15_02_I_17	0.67	0.058	8.656716	0.761	0.053	6.96452	226	0.821	0.922111	4.276974	327.9264	40.81166
TS15_02_J_17	0.636	0.052	8.176101	0.746	0.055	7.372654	226	0.821	0.902639	4.442705	387.3023	48.01983
TS15_02_K_17	0.653	0.058	8.882083	0.739	0.03	4.05954	226	0.821	0.893552	2.424607	433.2076	45.1867
TS15_02_L_17	0.638	0.065	10.18809	0.813	0.059	7.257073	226	0.821	0.989615	4.753477	42.57152	5.949151
TS15_02_M_17	0.648	0.076	11.7284	0.819	0.054	6.593407	226	0.821	0.997404	4.350529	10.83636	1.583629
TS15_02_A_18	0.98	0.16	16.32653	0.8	0.046	5.75	226	0.821	0.972739	3.706707	169.9616	30.80709
TS15_02_B_18	1.14	0.22	19.29825	0.81	0.036	4.444444	226	0.821	0.98572	2.900498	104.095	21.11213
TS15_02_C_18	1.13	0.18	15.9292	0.861	0.061	7.084785	226	0.821	1.051926	4.917626	-389.804	-71.204
TS15_02_D_18	1.04	0.13	12.5	0.8	0.034	4.25	226	0.821	0.972739	2.73974	180.2233	24.89625
TS15_02_E_18	0.813	0.081	9.9631	0.848	0.06	7.075472	226	0.821	1.03505	4.835347	-186.363	-25.5562
TS15_02_F_18	0.869	0.09	10.35673	0.815	0.04	4.907975	226	0.821	0.992211	3.222658	43.48592	5.320377
TS15_02_G_18	0.64	0.14	21.875	0.767	0.04	5.215124	226	0.821	0.9299	3.226863	282.9126	65.62595
TS15_02_H_18	0.295	0.032	10.84746	0.712	0.035	4.91573	226	0.821	0.858502	2.836175	263.6219	32.85509
TS15_02_I_18	0.283	0.029	10.24735	0.702	0.027	3.846154	226	0.821	0.84552	2.190556	275.8367	31.33183
TS15_02_J_18	0.6	0.12	20	0.721	0.048	6.65742	226	0.821	0.870185	3.885808	483.5103	106.8457
TS15_02_K_18	0.669	0.086	12.85501	0.806	0.029	3.598015	226	0.821	0.980528	2.336617	83.43478	11.47624
TS15_02_L_18	0.448	0.043	9.598214	0.748	0.047	6.283422	226	0.821	0.905235	3.795944	268.0305	33.40565
TS15_02_M_18	0.419	0.046	10.97852	0.702	0.058	8.262108	226	0.821	0.84552	4.705638	404.3095	60.05605
TS15_02_A_19	0.246	0.047	19.10569	0.704	0.052	7.386364	226	0.821	0.848116	4.217782	236.4691	50.10848
TS15_02_B_19	0.419	0.039	9.307876	0.777	0.049	6.306306	226	0.821	0.942881	3.951109	152.4629	18.80998
TS15_02_C_19	0.531	0.043	8.097928	0.824	0.051	6.18932	226	0.821	1.003894	4.108841	-13.3447	-1.53819
TS15_02_D_19	0.564	0.048	8.510638	0.814	0.053	6.511057	226	0.821	0.990913	4.270045	32.95413	3.982125
TS15_02_E_19	0.547	0.053	9.689214	0.839	0.046	5.482718	226	0.821	1.023367	3.706494	-82.9265	-10.0599
TS15_02_F_19	0.543	0.061	11.23389	0.827	0.05	6.045949	226	0.821	1.007789	4.028321	-27.3221	-3.77019
TS15_02_G_19	0.542	0.061	11.25461	0.818	0.044	5.378973	226	0.821	0.996106	3.544883	13.5927	1.809693
TS15_02_H_19	0.523	0.03	5.736138	0.82	0.041	5	226	0.821	0.998702	3.303175	4.375197	0.38291
TS15_02_I_19	0.604	0.059	9.768212	0.86	0.043	5	226	0.821	1.050628	3.466416	-200.203	-23.6559
TS15_02_J_19	0.79	0.1	12.65823	0.845	0.039	4.615385	226	0.821	1.031156	3.142783	-160.65	-22.4631
TS15_02_K_19	0.92	0.13	14.13043	0.796	0.063	7.914573	226	0.821	0.967546	5.076989	189.6561	33.4044
TS15_02_L_19	0.85	0.11	12.94118	0.79	0.066	8.35443	226	0.821	0.959757	5.319547	216.8203	36.83631
TS15_02_M_19	0.74	0.083	11.21622	0.843	0.071	8.422301	226	0.821	1.028559	5.721264	-137.698	-21.8664
TS15_02_A_20	0.0477	0.0018	3.773585	0.1982	0.0092	4.641776	226	0.821	0.191512	1.219395	243.9313	11.16033
TS15_02_B_20	0.0486	0.0019	3.909465	0.2048	0.0079	3.857422	226	0.821	0.20008	1.026081	245.8629	11.05589

TS15_02_C_20	0.0497	0.0025	5.030181	0.2172	0.0085	3.913444	226	0.821	0.216177	1.065528	246.3586	13.70441
TS15_02_D_20	0.0633	0.0062	9.794629	0.289	0.029	10.0346	226	0.821	0.309384	3.109075	275.8255	32.61237
TS15_02_E_20	0.0831	0.0076	9.145608	0.454	0.063	13.87665	226	0.821	0.523579	5.598733	250.2949	36.7934
TS15_02_F_20	0.137	0.019	13.86861	0.595	0.041	6.890756	226	0.821	0.706618	3.402277	254.0313	39.90244
TS15_02_G_20	0.184	0.013	7.065217	0.612	0.037	6.045752	226	0.821	0.728687	3.055267	314.0408	29.99123
TS15_02_H_20	0.175	0.02	11.42857	0.647	0.057	8.809892	226	0.821	0.774122	4.66727	249.9109	37.4923
TS15_02_I_20	0.131	0.012	9.160305	0.616	0.051	8.279221	226	0.821	0.733879	4.206785	220.9052	27.89156
TS15_02_J_20	0.137	0.013	9.489051	0.673	0.043	6.389302	226	0.821	0.807874	3.503652	167.4834	19.98412
TS15_02_K_20	0.1472	0.007	4.755435	0.749	0.038	5.073431	226	0.821	0.906533	3.068845	88.08724	6.882683
TS15_02_L_20	0.189	0.05	26.45503	0.747	0.033	4.417671	226	0.821	0.903937	2.665429	115.9909	31.50839
TS15_02_M_20	1.27	0.58	45.66929	0.784	0.033	4.209184	226	0.821	0.951968	2.660262	381.7048	178.3118
TS15_02_A_21	0.706	0.058	8.215297	0.794	0.033	4.156171	226	0.821	0.96495	2.659498	157.5771	15.59302
TS15_02_B_21	0.93	0.11	11.82796	0.808	0.031	3.836634	226	0.821	0.983124	2.497702	100.3884	12.97726
TS15_02_C_21	1.04	0.12	11.53846	0.846	0.073	8.628842	226	0.821	1.032454	5.88276	-221.335	-35.9553
TS15_02_D_21	0.802	0.075	9.351621	0.829	0.061	7.358263	226	0.821	1.010385	4.914609	-53.9166	-7.28854
TS15_02_E_21	1.18	0.24	20.33898	0.814	0.049	6.019656	226	0.821	0.990913	3.947778	68.75516	15.06349
TS15_02_F_21	1.07	0.24	22.42991	0.809	0.052	6.427689	226	0.821	0.984422	4.189649	106.5648	25.6767
TS15_02_G_21	0.84	0.15	17.85714	0.797	0.055	6.900878	226	0.821	0.968844	4.432196	166.5375	33.54651
TS15_02_H_21	0.63	0.59	93.65079	0.74	0.15	20.27027	226	0.821	0.89485	12.12205	413.4909	400.4132
TS15_02_I_21	0.212	0.024	11.32075	0.561	0.05	8.912656	226	0.821	0.662481	4.197864	445.5116	64.68648
TS15_02_J_21	0.185	0.0075	4.054054	0.497	0.029	5.83501	226	0.821	0.579399	2.508399	483.0445	32.2729
TS15_02_K_21	0.33	0.079	23.93939	0.643	0.081	12.5972	226	0.821	0.768929	6.638102	473.7206	133.1762
TS15_02_L_21	0.445	0.053	11.91011	0.816	0.045	5.514706	226	0.821	0.993509	3.625473	18.59289	2.595758
TS15_02_M_21	0.293	0.035	11.94539	0.809	0.037	4.573548	226	0.821	0.984422	2.981097	29.35641	3.927016
TS15_02_A_22	0.1195	0.0097	8.117155	0.634	0.048	7.570978	226	0.821	0.757246	3.941648	184.3437	21.12538
TS15_02_B_22	0.1528	0.0069	4.515707	0.641	0.038	5.928237	226	0.821	0.766333	3.115532	226.1512	17.68761
TS15_02_C_22	0.1531	0.0058	3.788374	0.61	0.038	6.229508	226	0.821	0.72609	3.139567	264.8195	19.79437
TS15_02_D_22	0.1635	0.0079	4.831804	0.653	0.033	5.053599	226	0.821	0.781911	2.69878	225.8604	16.63056
TS15_02_E_22	0.1742	0.0072	4.13318	0.685	0.046	6.715328	226	0.821	0.823452	3.740905	195.2702	16.92396
TS15_02_F_22	0.165	0.013	7.878788	0.705	0.063	8.93617	226	0.821	0.849415	5.109371	158.214	20.63452
TS15_02_G_22	0.4	0.23	57.5	0.773	0.04	5.174644	226	0.821	0.937689	3.225943	158.7039	92.30311
TS15_02_H_22	0.4	0.23	57.5	0.713	0.044	6.171108	226	0.821	0.8598	3.565072	351.7424	206.1325
TS15_02_I_22	0.1299	0.0099	7.621247	0.664	0.029	4.36747	226	0.821	0.79619	2.366668	168.4479	15.29333
TS15_02_J_22	0.1196	0.0074	6.187291	0.6	0.075	12.5	226	0.821	0.713109	6.214298	217.4805	30.63617
TS15_02_K_22	0.1092	0.0085	7.783883	0.579	0.071	12.26252	226	0.821	0.685848	5.922334	217.4384	31.26809
TS15_02_L_22	0.1033	0.0076	7.357212	0.629	0.048	7.631161	226	0.821	0.750755	3.946318	163.8751	17.88382
TS15_02_M_22	0.1001	0.0058	5.794206	0.611	0.043	7.037643	226	0.821	0.727388	3.551689	173.5551	16.10547

TS15_02_A_23	0.129	0.026	20.15504	0.556	0.048	8.633094	226	0.821	0.65599	4.037776	279.9085	61.81704
TS15_02_B_23	0.37	0.11	29.72973	0.642	0.022	3.426791	226	0.821	0.767631	1.803334	531.6976	163.8813
TS15_02_C_23	0.82	0.14	17.07317	0.729	0.051	6.995885	226	0.821	0.88057	4.125431	602.2811	118.6137
TS15_02_D_23	1.05	0.16	15.2381	0.771	0.044	5.706874	226	0.821	0.935092	3.54886	425.0179	73.43366
TS15_02_E_23	0.92	0.13	14.13043	0.761	0.054	7.095926	226	0.821	0.922111	4.357671	446.1364	76.23812
TS15_02_F_23	0.75	0.059	7.866667	0.776	0.066	8.505155	226	0.821	0.941583	5.32212	276.422	37.27421
TS15_02_G_23	0.676	0.073	10.79882	0.76	0.045	5.921053	226	0.821	0.920813	3.631601	336.1608	44.75358
TS15_02_H_23	0.525	0.045	8.571429	0.773	0.047	6.080207	226	0.821	0.937689	3.790483	207.5082	24.08625
TS15_02_I_23	0.491	0.043	8.757637	0.816	0.063	7.720588	226	0.821	0.993509	5.075662	20.5118	2.753792
TS15_02_J_23	0.495	0.04	8.080808	0.796	0.053	6.658291	226	0.821	0.967546	4.271118	102.7361	12.16582
TS15_02_K_23	0.492	0.047	9.552846	0.766	0.05	6.527415	226	0.821	0.928602	4.033785	222.5628	28.25255
TS15_02_L_23	0.477	0.051	10.69182	0.76	0.049	6.447368	226	0.821	0.920813	3.95441	239.0097	32.30155
TS15_02_M_23	0.509	0.052	10.21611	0.768	0.04	5.208333	226	0.821	0.931198	3.226701	221.8917	27.22193
TS15_02_A_24	0.142	0.017	11.97183	0.622	0.053	8.5209	226	0.821	0.741668	4.364952	232.2406	34.94298
TS15_02_B_24	0.271	0.042	15.49815	0.685	0.038	5.547445	226	0.821	0.823452	3.090313	301.2753	51.25696
TS15_02_C_24	0.387	0.038	9.819121	0.783	0.045	5.747126	226	0.821	0.95067	3.627754	121.906	15.00753
TS15_02_D_24	0.383	0.04	10.44386	0.779	0.059	7.573813	226	0.821	0.945478	4.757082	133.2281	18.99
TS15_02_E_24	0.276	0.026	9.42029	0.702	0.043	6.125356	226	0.821	0.84552	3.488663	269.1543	32.14023
TS15_02_F_24	0.229	0.018	7.860262	0.732	0.044	6.010929	226	0.821	0.884465	3.558219	168.3395	18.05911
TS15_02_G_24	0.225	0.017	7.555556	0.73	0.042	5.753425	226	0.821	0.881868	3.397099	169.1058	17.38686
TS15_02_H_24	0.232	0.037	15.94828	0.646	0.07	10.83591	226	0.821	0.772824	5.732944	331.1069	66.39265
TS15_02_I_24	0.1449	0.0062	4.278813	0.544	0.03	5.514706	226	0.821	0.640412	2.536023	327.4277	22.25027
TS15_02_J_24	0.227	0.034	14.97797	0.648	0.053	8.179012	226	0.821	0.77542	4.338834	320.5335	56.63789
TS15_02_K_24	0.264	0.027	10.22727	0.733	0.055	7.503411	226	0.821	0.885763	4.447378	191.5411	26.29751
TS15_02_L_24	0.247	0.02	8.097166	0.717	0.034	4.74198	226	0.821	0.864992	2.75361	211.4614	21.01649
TS15_02_M_24	0.216	0.016	7.407407	0.698	0.032	4.584527	226	0.821	0.840327	2.597568	218.584	20.08441
TS15_02_A_25	0.192	0.043	22.39583	0.599	0.08	13.35559	226	0.821	0.711811	6.630557	347.1766	92.17671
TS15_02_B_25	0.26	0.013	5	0.71	0.044	6.197183	226	0.821	0.855905	3.566303	237.0983	21.00287
TS15_02_C_25	0.272	0.017	6.25	0.758	0.04	5.277045	226	0.821	0.918217	3.228472	141.8295	12.87368
TS15_02_D_25	0.33	0.033	10	0.764	0.047	6.151832	226	0.821	0.926005	3.792158	155.5188	19.72595
TS15_02_E_25	0.317	0.017	5.362776	0.752	0.046	6.117021	226	0.821	0.910428	3.714156	180.4919	16.74826
TS15_02_F_25	0.33	0.02	6.060606	0.747	0.049	6.559572	226	0.821	0.903937	3.957758	201.1845	20.34075
TS15_02_G_25	0.388	0.027	6.958763	0.796	0.063	7.914573	226	0.821	0.967546	5.076989	80.66682	9.984461
TS15_02_H_25	0.409	0.054	13.20293	0.818	0.064	7.823961	226	0.821	0.996106	5.156193	10.25988	1.719976
TS15_02_I_25	0.248	0.031	12.5	0.575	0.086	14.95652	226	0.821	0.680655	7.183447	491.3314	96.49923
TS15_02_J_25	0.1513	0.0092	6.080635	0.326	0.038	11.65644	226	0.821	0.357415	3.845343	598.1143	61.15534
TS15_02_K_25	0.1247	0.0067	5.372895	0.243	0.011	4.526749	226	0.821	0.249669	1.292628	576.5942	35.86396

TS15_02_L_25	0.1148	0.004	3.484321	0.2153	0.0067	3.111937	226	0.821	0.21371	0.844292	557.1105	22.49116
TS15_02_M_25	0.1127	0.0034	3.016859	0.192	0.011	5.729167	226	0.821	0.183463	1.487439	567.4944	25.0854
TS15_02_A_26	0.0477	0.003	6.289308	0.32	0.016	5	226	0.821	0.349627	1.633026	196.9465	14.15701
TS15_02_B_26	0.0694	0.0091	13.11239	0.418	0.037	8.851675	226	0.821	0.476845	3.381702	229.9009	34.43935
TS15_02_C_26	0.185	0.042	22.7027	0.585	0.049	8.376068	226	0.821	0.693636	4.079054	355.3864	87.54355
TS15_02_D_26	0.345	0.043	12.46377	0.685	0.033	4.817518	226	0.821	0.823452	2.683693	381.1526	53.06444
TS15_02_E_26	0.494	0.046	9.311741	0.753	0.057	7.569721	226	0.821	0.911726	4.602019	275.1551	36.70089
TS15_02_F_26	0.573	0.064	11.16928	0.707	0.031	4.384724	226	0.821	0.852011	2.51352	524.6969	66.60971
TS15_02_G_26	0.544	0.077	14.15441	0.796	0.081	10.17588	226	0.821	0.967546	6.527558	112.8175	21.87788
TS15_02_H_26	0.574	0.083	14.45993	0.827	0.059	7.13422	226	0.821	1.007789	4.753419	-28.8854	-4.98943
TS15_02_I_26	0.7	0.071	10.14286	0.779	0.06	7.702182	226	0.821	0.945478	4.837711	241.4526	34.39562
TS15_02_J_26	0.788	0.099	12.56345	0.801	0.067	8.364544	226	0.821	0.974037	5.398803	130.5552	21.81119
TS15_02_K_26	0.663	0.088	13.273	0.803	0.061	7.596513	226	0.821	0.976633	4.915165	99.10299	16.47414
TS15_02_L_26	0.74	0.1	13.51351	0.783	0.06	7.662835	226	0.821	0.95067	4.837005	231.1266	38.99039
TS15_02_M_26	0.54	0.16	29.62963	0.678	0.044	6.489676	226	0.821	0.814364	3.582174	615.8339	194.0373
TS15_02_A_27	0.131	0.011	8.396947	0.685	0.039	5.693431	226	0.821	0.823452	3.171637	147.3938	15.67073
TS15_02_B_27	0.178	0.015	8.426966	0.671	0.047	7.004471	226	0.821	0.805277	3.830879	219.6517	25.39779
TS15_02_C_27	0.207	0.014	6.763285	0.684	0.044	6.432749	226	0.821	0.822153	3.578801	233.0559	23.32782
TS15_02_D_27	0.213	0.012	5.633803	0.736	0.045	6.11413	226	0.821	0.889657	3.637817	149.7571	13.92673
TS15_02_E_27	0.257	0.028	10.89494	0.731	0.042	5.745554	226	0.821	0.883166	3.396788	190.7124	24.80452
TS15_02_F_27	0.372	0.055	14.78495	0.74	0.039	5.27027	226	0.821	0.89485	3.151734	247.3504	40.40133
TS15_02_G_27	0.334	0.036	10.77844	0.727	0.034	4.676754	226	0.821	0.877974	2.750807	257.5219	31.7163
TS15_02_H_27	0.303	0.022	7.260726	0.765	0.051	6.666667	226	0.821	0.927304	4.114676	140.454	15.56452
TS15_02_I_27	0.302	0.012	3.97351	0.781	0.043	5.505762	226	0.821	0.948074	3.466766	100.306	8.073498
TS15_02_J_27	0.304	0.019	6.25	0.743	0.055	7.402423	226	0.821	0.898744	4.443706	195.4391	21.52369
TS15_02_K_27	0.313	0.017	5.43131	0.762	0.061	8.005249	226	0.821	0.923409	4.922277	152.7162	17.35215
TS15_02_L_27	0.337	0.014	4.154303	0.717	0.053	7.391911	226	0.821	0.864992	4.292391	286.8198	27.91151
TS15_02_M_27	0.346	0.028	8.092486	0.761	0.055	7.227332	226	0.821	0.922111	4.438369	171.4286	20.8343
TS15_02_A_28	0.162	0.01	6.17284	0.522	0.029	5.555556	226	0.821	0.611853	2.476041	393.1155	31.99869
TS15_02_B_28	0.202	0.018	8.910891	0.592	0.033	5.574324	226	0.821	0.702724	2.740965	375.9287	40.37275
TS15_02_C_28	0.292	0.03	10.27397	0.653	0.037	5.666156	226	0.821	0.781911	3.025905	397.9794	48.76512
TS15_02_D_28	0.366	0.022	6.010929	0.711	0.036	5.063291	226	0.821	0.857203	2.917545	328.4036	28.16264
TS15_02_E_28	0.31	0.05	16.12903	0.701	0.035	4.992867	226	0.821	0.844222	2.839973	304.022	53.01435
TS15_02_F_28	0.122	0.027	22.13115	0.549	0.052	9.471767	226	0.821	0.646903	4.386604	271.8826	65.7738
TS15_02_G_28	0.0755	0.003	3.97351	0.432	0.02	4.62963	226	0.821	0.495019	1.80694	241.2068	13.18743
TS15_02_H_28	0.0764	0.003	3.926702	0.448	0.018	4.017857	226	0.821	0.51579	1.606543	234.1712	12.08835
TS15_02_I_28	0.0741	0.0029	3.91363	0.494	0.026	5.263158	226	0.821	0.575505	2.252703	199.6488	12.08981

TS15_02_J_28	0.0787	0.0043	5.463787	0.486	0.027	5.555556	226	0.821	0.56512	2.350216	216.9376	15.88211
TS15_02_K_28	0.0704	0.004	5.681818	0.42	0.02	4.761905	226	0.821	0.479442	1.824834	232.0178	15.93385
TS15_02_L_28	0.0728	0.0047	6.456044	0.436	0.027	6.192661	226	0.821	0.500212	2.431706	230.3837	18.93062
TS15_02_M_28	0.0811	0.003	3.699137	0.512	0.038	7.421875	226	0.821	0.598871	3.260639	206.3728	15.70373
TS15_02_A_29	0.0767	0.0071	9.256845	0.52	0.033	6.346154	226	0.821	0.609257	2.820303	190.3606	20.90884
TS15_02_B_29	0.0703	0.0055	7.823613	0.465	0.026	5.591398	226	0.821	0.537858	2.293229	206.1045	18.96545
TS15_02_C_29	0.085	0.0049	5.764706	0.472	0.021	4.449153	226	0.821	0.546945	1.843781	243.5884	16.96594
TS15_02_D_29	0.175	0.039	22.28571	0.64	0.053	8.28125	226	0.821	0.765035	4.346309	259.7648	63.09751
TS15_02_E_29	0.48	0.11	22.91667	0.753	0.04	5.312085	226	0.821	0.911726	3.229487	267.5168	64.70861
TS15_02_F_29	0.746	0.062	8.310992	0.787	0.046	5.844981	226	0.821	0.955863	3.707887	208.837	23.59896
TS15_02_G_29	0.752	0.049	6.515957	0.785	0.042	5.350318	226	0.821	0.953267	3.385676	222.6598	21.25445
TS15_02_H_29	0.749	0.049	6.542056	0.81	0.049	6.049383	226	0.821	0.98572	3.947899	68.58128	7.065911
TS15_02_I_29	0.697	0.063	9.038737	0.817	0.046	5.630355	226	0.821	0.994807	3.706025	23.28903	2.726646
TS15_02_J_29	0.63	0.032	5.079365	0.79	0.038	4.810127	226	0.821	0.959757	3.062769	161.3978	12.99229
TS15_02_K_29	0.8	0.12	15	0.81	0.039	4.814815	226	0.821	0.98572	3.142206	73.22461	11.96549
TS15_02_L_29	0.83	0.11	13.25301	0.807	0.056	6.939281	226	0.821	0.981826	4.512031	96.51488	15.5724
TS15_02_M_29	0.71	0.13	18.30986	0.837	0.047	5.615293	226	0.821	1.02077	3.786965	-95.7731	-18.8643
TS15_02_A_30	0.0784	0.0034	4.336735	0.516	0.03	5.813953	226	0.821	0.604064	2.568986	197.0626	13.44016
TS15_02_B_30	0.135	0.033	24.44444	0.608	0.055	9.046053	226	0.821	0.723494	4.546644	236.2513	62.45618
TS15_02_C_30	0.303	0.064	21.12211	0.753	0.034	4.515272	226	0.821	0.911726	2.745064	170.1573	37.52009
TS15_02_D_30	0.63	0.1	15.87302	0.78	0.049	6.282051	226	0.821	0.946776	3.950647	212.6112	38.21285
TS15_02_E_30	0.776	0.08	10.30928	0.815	0.038	4.662577	226	0.821	0.992211	3.061525	38.84607	4.670222
TS15_02_F_30	0.668	0.097	14.52096	0.843	0.035	4.151839	226	0.821	1.028559	2.820341	-124.17	-19.1868
TS15_02_G_30	0.85	0.2	23.52941	0.825	0.046	5.575758	226	0.821	1.005193	3.706025	-28.5156	-7.02287
TS15_02_H_30	1.07	0.19	17.75701	0.819	0.045	5.494505	226	0.821	0.997404	3.625441	17.88358	3.433985
TS15_02_I_30	0.93	0.16	17.2043	0.897	0.056	6.243032	226	0.821	1.098659	4.521634	-620.398	-115.999
TS15_02_J_30	1.27	0.18	14.17323	0.853	0.065	7.620164	226	0.821	1.041541	5.238907	-349.392	-60.2241
TS15_02_K_30	1.45	0.18	12.41379	0.802	0.044	5.486284	226	0.821	0.975335	3.545422	226.5229	32.87598
TS15_02_L_30	1.58	0.3	18.98734	0.831	0.047	5.655836	226	0.821	1.012982	3.786722	-133.596	-27.0855
TS15_02_M_30	1.97	0.31	15.73604	0.833	0.048	5.762305	226	0.821	1.015578	3.867361	-200.928	-34.7815
TS15_02_A_31	10.7	8.3	77.57009	0.832	0.044	5.288462	226	0.821	1.01428	3.545047	-1068.88	-816.857
TS15_02_B_31	0.272	0.083	30.51471	0.591	0.073	12.35195	226	0.821	0.701425	6.06525	503.3548	169.6608
TS15_02_C_31	0.135	0.0081	6	0.443	0.022	4.96614	226	0.821	0.509299	1.970825	413.4909	30.58413
TS15_02_D_31	0.74	0.62	83.78378	0.614	0.09	14.65798	226	0.821	0.731283	7.427705	1169.143	1007.72
TS15_02_E_31	1.37	0.47	34.30657	0.836	0.035	4.186603	226	0.821	1.019472	2.820045	-174.306	-60.0683
TS15_02_F_31	1	0.13	13	0.804	0.039	4.850746	226	0.821	0.977931	3.142434	140.716	20.50944
TS15_02_G_31	1.11	0.15	13.51351	0.823	0.043	5.224787	226	0.821	1.002596	3.46431	-18.6047	-2.82189

TS15_02_H_31	1.15	0.2	17.3913	0.792	0.067	8.459596	226	0.821	0.962354	5.399856	273.2143	56.88214
TS15_02_I_31	1.04	0.16	15.38462	0.816	0.039	4.779412	226	0.821	0.993509	3.142077	43.36955	7.227646
TS15_02_J_31	1.25	0.22	17.6	0.853	0.052	6.096131	226	0.821	1.041541	4.191126	-343.741	-65.5866
TS15_02_K_31	1.14	0.12	10.52632	0.813	0.06	7.380074	226	0.821	0.989615	4.834044	75.87171	10.8988
TS15_02_L_31	1.33	0.14	10.52632	0.806	0.054	6.699752	226	0.821	0.980528	4.350942	164.8247	22.76088
TS15_02_M_31	1.18	0.19	16.10169	0.816	0.066	8.088235	226	0.821	0.993509	5.31736	49.18554	9.520443
TS15_02_A_32	0.0444	0.0016	3.603604	0.2189	0.0048	2.192782	226	0.821	0.218383	0.598936	219.9206	8.489936
TS15_02_B_32	0.0444	0.0016	3.603604	0.24	0.013	5.416667	226	0.821	0.245774	1.538308	212.3392	10.22071
TS15_02_C_32	0.0545	0.0055	10.09174	0.321	0.037	11.52648	226	0.821	0.350925	3.770907	224.0986	28.66571
TS15_02_D_32	0.222	0.083	37.38739	0.609	0.078	12.80788	226	0.821	0.724792	6.446165	382.2884	153.9075
TS15_02_E_32	0.432	0.027	6.25	0.733	0.029	3.956344	226	0.821	0.885763	2.344981	310.5328	24.81109
TS15_02_F_32	0.457	0.038	8.315098	0.76	0.033	4.342105	226	0.821	0.920813	2.663174	229.1644	22.9954
TS15_02_G_32	0.514	0.029	5.642023	0.776	0.053	6.829897	226	0.821	0.941583	4.273823	190.7124	19.79378
TS15_02_H_32	0.514	0.032	6.225681	0.849	0.071	8.36278	226	0.821	1.036348	5.721953	-121.578	-15.7095
TS15_02_I_32	0.667	0.086	12.89355	0.82	0.063	7.682927	226	0.821	0.998702	5.07561	5.579319	0.915902
TS15_02_J_32	0.723	0.071	9.820194	0.808	0.044	5.445545	226	0.821	0.983124	3.545126	78.17877	9.519868
TS15_02_K_32	0.739	0.073	9.878214	0.74	0.038	5.135135	226	0.821	0.89485	3.07092	482.4155	58.00539
TS15_02_L_32	0.783	0.077	9.833972	0.75	0.039	5.2	226	0.821	0.907831	3.149385	449.2045	54.10251
TS15_02_M_32	0.725	0.062	8.551724	0.816	0.054	6.617647	226	0.821	0.993509	4.350568	30.26436	3.699892
TS15_02_A_33	0.602	0.068	11.29568	0.774	0.03	3.875969	226	0.821	0.938987	2.419351	232.5312	29.03058
TS15_02_B_33	0.669	0.056	8.370703	0.787	0.031	3.939009	226	0.821	0.955863	2.498794	187.5919	18.53052
TS15_02_C_33	0.696	0.083	11.92529	0.838	0.057	6.801909	226	0.821	1.022069	4.592764	-99.7834	-14.9218
TS15_02_D_33	0.667	0.076	11.3943	0.833	0.059	7.082833	226	0.821	1.015578	4.753631	-67.3312	-9.94746
TS15_02_E_33	0.648	0.049	7.561728	0.834	0.047	5.635492	226	0.821	1.016876	3.78683	-70.8838	-7.54909
TS15_02_F_33	0.648	0.055	8.487654	0.831	0.039	4.693141	226	0.821	1.012982	3.142174	-54.4567	-5.72946
TS15_02_G_33	0.649	0.065	10.01541	0.829	0.038	4.583836	226	0.821	1.010385	3.06156	-43.5959	-5.10242
TS15_02_H_33	0.716	0.073	10.19553	0.801	0.035	4.369538	226	0.821	0.974037	2.82027	118.7355	13.94792
TS15_02_I_33	0.638	0.082	12.85266	0.743	0.03	4.037685	226	0.821	0.898744	2.42384	403.5471	56.9527
TS15_02_J_33	0.494	0.042	8.502024	0.787	0.047	5.972046	226	0.821	0.955863	3.788494	139.0455	15.9872
TS15_02_K_33	0.462	0.045	9.74026	0.803	0.047	5.853051	226	0.821	0.976633	3.787094	69.2188	8.580933
TS15_02_L_33	0.473	0.035	7.399577	0.793	0.045	5.674653	226	0.821	0.963652	3.626677	109.8893	11.47379
TS15_02_M_33	0.487	0.046	9.445585	0.774	0.049	6.330749	226	0.821	0.938987	3.951606	188.7541	23.54727
TS15_02_A_34	0.0569	0.0022	3.866432	0.364	0.017	4.67033	226	0.821	0.406745	1.639327	214.0143	11.02192
TS15_02_B_34	0.0545	0.0015	2.752294	0.36	0.017	4.722222	226	0.821	0.401553	1.646918	206.8963	9.018505
TS15_02_C_34	0.0621	0.0042	6.763285	0.387	0.022	5.684755	226	0.821	0.436603	2.06966	221.6847	17.85934
TS15_02_D_34	0.0707	0.0032	4.526167	0.422	0.015	3.554502	226	0.821	0.482038	1.366319	231.8475	12.46906
TS15_02_E_34	0.0754	0.0033	4.376658	0.444	0.03	6.756757	226	0.821	0.510597	2.685481	233.595	16.46011

TS15_02_F_34	0.131	0.035	26.71756	0.58	0.039	6.724138	226	0.821	0.687146	3.252008	258.9288	72.24273
TS15_02_G_34	0.67	0.19	28.35821	0.719	0.04	5.563282	226	0.821	0.867589	3.238849	547.9366	164.2469
TS15_02_H_34	1.07	0.15	14.01869	0.76	0.047	6.184211	226	0.821	0.920813	3.793006	524.2957	86.48053
TS15_02_I_34	1.38	0.15	10.86957	0.77	0.041	5.324675	226	0.821	0.933794	3.307048	563.598	74.50671
TS15_02_J_34	1.61	0.14	8.695652	0.78	0.043	5.512821	226	0.821	0.946776	3.466894	530.0021	61.14517
TS15_02_K_34	1.46	0.21	14.38356	0.739	0.041	5.548038	226	0.821	0.893552	3.313629	931.2441	156.7435
TS15_02_L_34	1.38	0.21	15.21739	0.729	0.053	7.270233	226	0.821	0.88057	4.287213	983.4697	182.956
TS15_02_M_34	1.32	0.16	12.12121	0.746	0.044	5.898123	226	0.821	0.902639	3.554164	779.3992	115.3764
TS15_02_A_35	0.0567	0.0024	4.232804	0.312	0.019	6.089744	226	0.821	0.339241	1.962392	237.1008	13.92615
TS15_02_B_35	0.088	0.024	27.27273	0.43	0.055	12.7907	226	0.821	0.492423	4.977036	281.6951	83.05889
TS15_02_C_35	0.323	0.082	25.387	0.667	0.057	8.545727	226	0.821	0.800085	4.649211	403.3741	111.5706
TS15_02_D_35	0.511	0.03	5.870841	0.759	0.042	5.533597	226	0.821	0.919515	3.389693	259.8211	23.73322
TS15_02_E_35	0.528	0.048	9.090909	0.774	0.043	5.555556	226	0.821	0.938987	3.467736	204.3957	23.70225
TS15_02_F_35	0.439	0.048	10.93394	0.782	0.047	6.01023	226	0.821	0.949372	3.78912	141.7067	19.03243
TS15_02_G_35	0.392	0.047	11.9898	0.745	0.053	7.114094	226	0.821	0.901341	4.281469	244.6117	36.62837
TS15_02_H_35	0.469	0.034	7.249467	0.731	0.028	3.830369	226	0.821	0.883166	2.264526	343.8928	30.12343
TS15_02_I_35	0.544	0.049	9.007353	0.771	0.036	4.669261	226	0.821	0.935092	2.903613	223.6945	24.34833
TS15_02_J_35	0.6	0.05	8.333333	0.836	0.066	7.894737	226	0.821	1.019472	5.317798	-75.7592	-10.1843
TS15_02_K_35	0.585	0.034	5.811966	0.782	0.059	7.544757	226	0.821	0.949372	4.756555	188.1527	21.24933
TS15_02_L_35	0.5	0.055	11	0.79	0.048	6.075949	226	0.821	0.959757	3.868761	128.4227	17.42089
TS15_02_M_35	0.413	0.023	5.569007	0.775	0.047	6.064516	226	0.821	0.940285	3.790153	157.0544	14.93681
TS15_02_A_36	0.0936	0.0055	5.876068	0.448	0.02	4.464286	226	0.821	0.51579	1.785047	285.7376	20.05683
TS15_02_B_36	0.0921	0.0048	5.211726	0.47	0.031	6.595745	226	0.821	0.544349	2.725279	265.0042	20.36892
TS15_02_C_36	0.0935	0.0053	5.668449	0.467	0.026	5.567452	226	0.821	0.540455	2.290197	271.2007	20.15453
TS15_02_D_36	0.0922	0.0073	7.91757	0.503	0.028	5.5666	226	0.821	0.587188	2.413955	240.8045	22.71312
TS15_02_E_36	0.0988	0.0075	7.591093	0.516	0.021	4.069767	226	0.821	0.604064	1.79829	247.3665	21.14789
TS15_02_F_36	0.1015	0.0051	5.024631	0.48	0.032	6.666667	226	0.821	0.557331	2.795529	283.325	21.73611
TS15_02_G_36	0.0953	0.0041	4.302204	0.455	0.026	5.714286	226	0.821	0.524877	2.308961	285.4734	18.39608
TS15_02_H_36	0.112	0.011	9.821429	0.469	0.027	5.75693	226	0.821	0.543051	2.375171	321.7516	35.89349
TS15_02_I_36	0.15	0.011	7.333333	0.571	0.027	4.728546	226	0.821	0.675462	2.258466	306.4164	26.97183
TS15_02_J_36	0.186	0.011	5.913978	0.636	0.027	4.245283	226	0.821	0.759842	2.216155	281.7111	21.24662
TS15_02_K_36	0.194	0.013	6.701031	0.708	0.044	6.214689	226	0.821	0.853309	3.567147	180.8906	17.93108
TS15_02_L_36	0.203	0.014	6.896552	0.652	0.045	6.90184	226	0.821	0.780613	3.680894	280.886	28.89598
TS15_02_M_36	0.216	0.013	6.018519	0.644	0.026	4.037267	226	0.821	0.770227	2.130288	312.2551	23.54923
TS15_02_A_37	0.336	0.026	7.738095	0.765	0.055	7.189542	226	0.821	0.927304	4.437395	155.5678	18.51361
TS15_02_B_37	0.391	0.022	5.626598	0.823	0.042	5.103281	226	0.821	1.002596	3.383745	-6.54743	-0.57597
TS15_02_C_37	0.458	0.031	6.768559	0.751	0.041	5.459387	226	0.821	0.909129	3.310666	262.8587	25.35367

TS15_02_D_37	0.465	0.031	6.666667	0.788	0.057	7.233503	226	0.821	0.957161	4.594418	127.1511	14.56166
TS15_02_E_37	0.484	0.036	7.438017	0.786	0.044	5.597964	226	0.821	0.954565	3.546785	140.2248	14.55413
TS15_02_F_37	0.522	0.042	8.045977	0.821	0.049	5.968331	226	0.821	1	3.947695	0	0
TS15_02_G_37	0.493	0.034	6.896552	0.856	0.048	5.607477	226	0.821	1.045435	3.869039	-146.039	-14.9846
TS15_02_H_37	0.563	0.039	6.927176	0.785	0.051	6.496815	226	0.821	0.953267	4.111178	167.4181	18.20985
TS15_02_I_37	0.547	0.043	7.86106	0.797	0.032	4.015056	226	0.821	0.968844	2.578732	108.9349	10.32071
TS15_02_J_37	0.564	0.031	5.496454	0.781	0.053	6.786172	226	0.821	0.948074	4.272991	186.0798	19.15451
TS15_02_K_37	0.521	0.033	6.333973	0.77	0.043	5.584416	226	0.821	0.933794	3.468367	218.6083	20.85332
TS15_02_L_37	0.483	0.048	9.937888	0.79	0.058	7.341772	226	0.821	0.959757	4.674753	124.0981	17.07408
TS15_02_M_37	0.458	0.05	10.91703	0.812	0.059	7.26601	226	0.821	0.988317	4.753512	34.40265	4.991632
TS15_02_A_38	0.105	0.013	12.38095	0.501	0.033	6.586826	226	0.821	0.584592	2.848102	275.2193	38.20687
TS15_02_B_38	0.164	0.019	11.58537	0.624	0.043	6.891026	226	0.821	0.744264	3.539591	264.8508	36.60364
TS15_02_C_38	0.318	0.065	20.44025	0.756	0.053	7.010582	226	0.821	0.91562	4.278249	170.6952	38.21592
TS15_02_D_38	0.438	0.045	10.27397	0.847	0.064	7.55608	226	0.821	1.033752	5.157594	-96.011	-13.8894
TS15_02_E_38	0.328	0.048	14.63415	0.777	0.062	7.979408	226	0.821	0.942881	4.999362	119.6556	21.37009
TS15_02_F_38	0.241	0.031	12.86307	0.71	0.034	4.788732	226	0.821	0.855905	2.75578	220.0642	31.25189
TS15_02_G_38	0.168	0.013	7.738095	0.711	0.034	4.781997	226	0.821	0.857203	2.755459	152.8225	14.67474
TS15_02_H_38	0.1454	0.0084	5.777166	0.717	0.044	6.136681	226	0.821	0.864992	3.563495	125.3178	11.5992
TS15_02_I_38	0.139	0.0057	4.100719	0.678	0.041	6.047198	226	0.821	0.814364	3.337935	164.2292	13.01907
TS15_02_J_38	0.12	0.009	7.5	0.573	0.04	6.980803	226	0.821	0.678059	3.343491	244.3538	24.97593
TS15_02_K_38	0.1041	0.0049	4.707012	0.585	0.034	5.811966	226	0.821	0.693636	2.830364	202.3816	15.11804
TS15_02_L_38	0.092	0.0056	6.086957	0.571	0.039	6.830123	226	0.821	0.675462	3.262229	189.6561	17.15154
TS15_02_M_38	0.0863	0.0042	4.866744	0.627	0.053	8.452951	226	0.821	0.748159	4.359512	138.6049	13.97484
TS15_02_A_39	0.592	0.039	6.587838	0.798	0.031	3.884712	226	0.821	0.970143	2.498095	112.9491	9.41416
TS15_02_B_39	0.604	0.052	8.609272	0.808	0.042	5.19802	226	0.821	0.983124	3.383984	65.37618	7.191775
TS15_02_C_39	0.561	0.075	13.36898	0.739	0.04	5.41272	226	0.821	0.893552	3.232809	373.9074	56.91662
TS15_02_D_39	0.413	0.035	8.474576	0.76	0.025	3.289474	226	0.821	0.920813	2.017556	207.4514	19.75818
TS15_02_E_39	0.392	0.02	5.102041	0.766	0.027	3.524804	226	0.821	0.928602	2.178244	177.9444	12.09312
TS15_02_F_39	0.359	0.03	8.356546	0.814	0.028	3.439803	226	0.821	0.990913	2.255873	20.9956	1.996835
TS15_02_G_39	0.389	0.047	12.08226	0.773	0.046	5.950841	226	0.821	0.937689	3.709834	154.3914	22.11679
TS15_02_H_39	0.272	0.052	19.11765	0.66	0.061	9.242424	226	0.821	0.790998	4.981865	356.4317	78.52444
TS15_02_I_39	0.164	0.0099	6.036585	0.487	0.025	5.13347	226	0.821	0.566418	2.174841	442.8246	34.01619
TS15_02_J_39	0.182	0.013	7.142857	0.606	0.067	11.05611	226	0.821	0.720898	5.541771	319.4106	43.03375
TS15_02_K_39	0.198	0.011	5.555556	0.725	0.042	5.793103	226	0.821	0.875378	3.398714	157.1361	13.94923
TS15_02_L_39	0.169	0.014	8.284024	0.701	0.055	7.845934	226	0.821	0.844222	4.462815	167.516	20.63359
TS15_02_M_39	0.157	0.011	7.006369	0.637	0.042	6.593407	226	0.821	0.76114	3.446566	237.3242	23.71703
TS15_02_A_40	0.0864	0.0043	4.976852	0.529	0.022	4.15879	226	0.821	0.62094	1.872165	207.7415	13.13566

TS15_02_B_40	0.0884	0.0035	3.959276	0.515	0.037	7.184466	226	0.821	0.602766	3.170005	222.4852	16.89831
TS15_02_C_40	0.0834	0.0042	5.035971	0.492	0.035	7.113821	226	0.821	0.572908	3.035943	225.6228	18.08804
TS15_02_D_40	0.0803	0.0033	4.109589	0.518	0.038	7.335907	226	0.821	0.60666	3.250815	200.4617	15.64185
TS15_02_E_40	0.0846	0.0032	3.782506	0.529	0.035	6.616257	226	0.821	0.62094	2.978444	203.4812	14.57085
TS15_02_F_40	0.0949	0.0064	6.743941	0.566	0.032	5.65371	226	0.821	0.668972	2.681584	199.3957	17.42586
TS15_02_G_40	0.1048	0.0052	4.961832	0.602	0.026	4.318937	226	0.821	0.715705	2.153021	189.2596	12.60589
TS15_02_H_40	0.1247	0.0089	7.137129	0.632	0.03	4.746835	226	0.821	0.75465	2.464684	194.2724	17.0849
TS15_02_I_40	0.1349	0.0057	4.225352	0.632	0.026	4.113924	226	0.821	0.75465	2.136059	209.9071	12.80757
TS15_02_J_40	0.1386	0.0069	4.978355	0.648	0.029	4.475309	226	0.821	0.77542	2.374079	197.5967	13.7896
TS15_02_K_40	0.1618	0.0095	5.871446	0.649	0.04	6.163328	226	0.821	0.776718	3.273912	228.7815	20.44963
TS15_02_L_40	0.167	0.01	5.988024	0.626	0.037	5.910543	226	0.821	0.746861	3.044181	266.9146	23.22997
TS15_02_M_40	0.14	0.011	7.857143	0.621	0.033	5.31401	226	0.821	0.74037	2.718493	230.1576	22.34977
TS16_10_A_1	0.98	0.12	12.2449	0.815	0.064	7.852761	213	0.8562	0.948871	5.04484	315.1728	51.04619
TS16_10_B_1	1.05	0.11	10.47619	0.852	0.055	6.455399	213	0.8562	0.994788	4.332456	35.18343	4.794575
TS16_10_C_1	0.877	0.092	10.49031	0.835	0.058	6.946108	213	0.8562	0.973691	4.569553	147.0476	20.66062
TS16_10_D_1	0.816	0.094	11.51961	0.879	0.065	7.394767	213	0.8562	1.028294	5.121137	-150.582	-22.9833
TS16_10_E_1	0.856	0.088	10.28037	0.834	0.059	7.074341	213	0.8562	0.97245	4.648419	150.2591	21.03713
TS16_10_F_1	0.811	0.07	8.631319	0.83	0.052	6.26506	213	0.8562	0.967486	4.097231	167.7813	20.19917
TS16_10_G_1	0.785	0.078	9.936306	0.802	0.065	8.104738	213	0.8562	0.932739	5.126346	331.6907	48.4145
TS16_10_H_1	0.788	0.059	7.48731	0.791	0.064	8.091024	213	0.8562	0.919088	5.050339	398.445	51.47157
TS16_10_I_1	0.677	0.076	11.226	0.813	0.077	9.471095	213	0.8562	0.946389	6.070001	229.8228	38.57084
TS16_10_J_1	0.71	0.078	10.98592	0.85	0.082	9.647059	213	0.8562	0.992306	6.459351	35.11978	5.969198
TS16_10_K_1	0.789	0.08	10.13942	0.804	0.069	8.58209	213	0.8562	0.935221	5.44132	321.3391	48.82234
TS16_10_L_1	0.887	0.084	9.470124	0.808	0.047	5.816832	213	0.8562	0.940184	3.705776	333.2589	40.99962
TS16_10_M_1	0.899	0.075	8.342603	0.802	0.069	8.603491	213	0.8562	0.932739	5.441813	378.4714	53.23401
TS16_10_N_1	0.804	0.081	10.07463	0.771	0.071	9.20882	213	0.8562	0.894268	5.610221	525.9493	82.11148
TS16_10_O_1	0.692	0.089	12.86127	0.822	0.082	9.975669	213	0.8562	0.957558	6.462291	186.6021	34.42905
TS16_10_P_1	0.706	0.062	8.78187	0.742	0.051	6.873315	213	0.8562	0.858279	4.040775	614.73	76.52103
TS16_10_Q_1	0.649	0.057	8.782743	0.735	0.059	8.027211	213	0.8562	0.849592	4.678348	600.4139	80.25141
TS16_10_R_1	0.587	0.051	8.688245	0.818	0.062	7.579462	213	0.8562	0.952594	4.886706	176.9347	23.41544
TS16_10_A_2	0.252	0.019	7.539683	0.784	0.058	7.397959	213	0.8562	0.910401	4.578802	143.9347	17.24258
TS16_10_B_2	0.175	0.015	8.571429	0.734	0.067	9.128065	213	0.8562	0.848351	5.31333	168.8474	23.31452
TS16_10_C_2	0.1439	0.0087	6.045865	0.71	0.036	5.070423	213	0.8562	0.818568	2.864138	166.1441	14.00212
TS16_10_D_2	0.1295	0.0075	5.791506	0.779	0.063	8.087291	213	0.8562	0.904196	4.975176	79.48627	9.2014
TS16_10_E_2	0.128	0.0095	7.421875	0.706	0.043	6.090652	213	0.8562	0.813604	3.42314	151.997	15.51131
TS16_10_F_2	0.136	0.011	8.088235	0.689	0.047	6.82148	213	0.8562	0.792507	3.7522	179.3922	20.03983
TS16_10_G_2	0.1309	0.0076	5.805959	0.744	0.039	5.241935	213	0.8562	0.860761	3.089335	116.4367	9.954098

TS16_10_H_2	0.1318	0.0074	5.614568	0.763	0.049	6.422018	213	0.8562	0.88434	3.874367	97.52754	9.396536
TS16_10_I_2	0.139	0.011	7.913669	0.743	0.059	7.940781	213	0.8562	0.85952	4.674113	124.6638	15.39911
TS16_10_J_2	0.1571	0.009	5.728835	0.697	0.059	8.464849	213	0.8562	0.802435	4.703689	197.0382	22.00019
TS16_10_K_2	0.172	0.011	6.395349	0.694	0.058	8.357349	213	0.8562	0.798712	4.626319	219.4082	25.05451
TS16_10_L_2	0.185	0.012	6.486486	0.7	0.045	6.428571	213	0.8562	0.806158	3.585779	227.125	22.31543
TS16_10_M_2	0.237	0.025	10.54852	0.737	0.043	5.834464	213	0.8562	0.852074	3.408847	222.1294	28.32326
TS16_10_N_2	0.236	0.012	5.084746	0.737	0.041	5.563094	213	0.8562	0.852074	3.250296	221.208	18.54648
TS16_10_O_2	0.25	0.013	5.2	0.831	0.045	5.415162	213	0.8562	0.968727	3.545607	50.20346	4.430344
TS16_10_P_2	0.53	0.2	37.73585	0.786	0.04	5.089059	213	0.8562	0.912883	3.157398	290.9778	112.8864
TS16_10_Q_2	0.66	0.21	31.81818	0.785	0.033	4.203822	213	0.8562	0.911642	2.605015	365.3788	120.0822
TS16_10_R_2	0.282	0.016	5.673759	0.752	0.039	5.18617	213	0.8562	0.870689	3.086799	230.888	19.6803
TS16_10_A_3	0.1241	0.005	4.029009	0.705	0.048	6.808511	213	0.8562	0.812363	3.821775	148.3887	12.95707
TS16_10_B_3	0.1315	0.0086	6.539924	0.68	0.046	6.764706	213	0.8562	0.781338	3.6785	182.7455	18.22032
TS16_10_C_3	0.1369	0.0087	6.355004	0.691	0.037	5.354559	213	0.8562	0.794989	2.952812	178.4327	15.67689
TS16_10_D_3	0.1276	0.0058	4.545455	0.68	0.046	6.764706	213	0.8562	0.781338	3.6785	177.3995	15.53568
TS16_10_E_3	0.1202	0.0047	3.91015	0.647	0.03	4.636785	213	0.8562	0.740386	2.416324	198.0896	12.4931
TS16_10_F_3	0.1165	0.0075	6.437768	0.621	0.052	8.373591	213	0.8562	0.70812	4.217514	215.5595	23.21801
TS16_10_G_3	0.11	0.0073	6.636364	0.596	0.05	8.389262	213	0.8562	0.677095	4.087386	225.0008	24.06456
TS16_10_H_3	0.1057	0.0059	5.581835	0.596	0.044	7.38255	213	0.8562	0.677095	3.596899	216.3512	20.0028
TS16_10_I_3	0.1022	0.0049	4.794521	0.603	0.045	7.462687	213	0.8562	0.685782	3.67008	203.7596	18.12402
TS16_10_J_3	0.0954	0.0054	5.660377	0.635	0.045	7.086614	213	0.8562	0.725494	3.635591	166.6454	15.53727
TS16_10_K_3	0.0902	0.0053	5.875831	0.634	0.057	8.990536	213	0.8562	0.724253	4.606309	158.3762	17.49623
TS16_10_L_3	0.09	0.0056	6.222222	0.628	0.048	7.643312	213	0.8562	0.716807	3.885346	162.2433	16.33538
TS16_10_M_3	0.0901	0.0032	3.551609	0.603	0.042	6.965174	213	0.8562	0.685782	3.425408	179.9689	14.06799
TS16_10_N_3	0.0917	0.0048	5.23446	0.548	0.029	5.291971	213	0.8562	0.617528	2.41587	222.2186	16.08582
TS16_10_O_3	0.0884	0.0041	4.638009	0.603	0.034	5.638474	213	0.8562	0.685782	2.772949	176.6193	12.93254
TS16_10_P_3	0.0902	0.0044	4.878049	0.586	0.031	5.290102	213	0.8562	0.664685	2.543084	192.0838	13.7258
TS16_10_Q_3	0.0909	0.0052	5.720572	0.596	0.051	8.557047	213	0.8562	0.677095	4.169133	186.4916	19.10504
TS16_10_R_3	0.091	0.0041	4.505495	0.602	0.044	7.30897	213	0.8562	0.684541	3.589696	182.4492	15.66632
TS16_10_A_4	0.299	0.016	5.351171	0.779	0.046	5.905006	213	0.8562	0.904196	3.632668	182.065	16.64098
TS16_10_B_4	0.329	0.02	6.079027	0.805	0.038	4.720497	213	0.8562	0.936461	2.996537	133.3678	11.49325
TS16_10_C_4	0.383	0.02	5.221932	0.819	0.031	3.785104	213	0.8562	0.953835	2.443277	112.9836	8.146341
TS16_10_D_4	0.403	0.017	4.218362	0.831	0.035	4.211793	213	0.8562	0.968727	2.757695	80.73622	5.638816
TS16_10_E_4	0.333	0.03	9.009009	0.778	0.039	5.012853	213	0.8562	0.902955	3.080084	205.0273	22.6958
TS16_10_F_4	0.229	0.023	10.04367	0.753	0.038	5.046481	213	0.8562	0.87193	3.007357	186.341	22.09524
TS16_10_G_4	0.176	0.012	6.818182	0.726	0.034	4.683196	213	0.8562	0.838424	2.698996	180.7614	15.92237
TS16_10_H_4	0.1589	0.0091	5.726872	0.699	0.032	4.577969	213	0.8562	0.804917	2.550306	196.7958	15.30678

TS16_10_I_4	0.1469	0.0063	4.288632	0.681	0.024	3.524229	213	0.8562	0.782579	1.91885	202.6732	11.83831
TS16_10_J_4	0.143	0.004	2.797203	0.674	0.02	2.967359	213	0.8562	0.773892	1.601235	205.1358	8.856711
TS16_10_K_4	0.1413	0.0046	3.255485	0.683	0.036	5.270864	213	0.8562	0.785061	2.877187	192.869	12.93109
TS16_10_L_4	0.1457	0.0042	2.882636	0.688	0.032	4.651163	213	0.8562	0.791266	2.555148	193.1297	11.49262
TS16_10_M_4	0.1468	0.005	3.405995	0.644	0.027	4.192547	213	0.8562	0.736663	2.176305	244.5088	13.75848
TS16_10_N_4	0.1414	0.0062	4.384724	0.643	0.027	4.199067	213	0.8562	0.735422	2.17685	236.7674	14.88474
TS16_10_O_4	0.1368	0.0063	4.605263	0.64	0.035	5.46875	213	0.8562	0.731699	2.823994	232.368	17.21979
TS16_10_P_4	0.1384	0.0062	4.479769	0.648	0.034	5.246914	213	0.8562	0.741627	2.737834	226.4907	16.28774
TS16_10_Q_4	0.1323	0.0052	3.930461	0.616	0.036	5.844156	213	0.8562	0.701915	2.924138	249.3401	17.8887
TS16_10_R_4	0.1245	0.0047	3.7751	0.673	0.032	4.754829	213	0.8562	0.772651	2.562494	179.9306	11.60399
TS16_10_A_5	0.1195	0.0077	6.443515	0.651	0.026	3.993856	213	0.8562	0.74535	2.092128	193.2435	15.05387
TS16_10_B_5	0.1007	0.0044	4.369414	0.603	0.035	5.804312	213	0.8562	0.685782	2.854507	200.8151	14.64757
TS16_10_C_5	0.0904	0.0036	3.982301	0.554	0.024	4.33213	213	0.8562	0.624974	1.99404	214.9257	12.30546
TS16_10_D_5	0.0848	0.004	4.716981	0.564	0.027	4.787234	213	0.8562	0.637384	2.233826	195.2397	12.86574
TS16_10_E_5	0.0763	0.0032	4.193971	0.562	0.034	6.049822	213	0.8562	0.634902	2.815293	177.122	12.59564
TS16_10_F_5	0.0768	0.0031	4.036458	0.531	0.031	5.838041	213	0.8562	0.596431	2.603285	196.7669	13.14939
TS16_10_G_5	0.0792	0.0027	3.409091	0.515	0.018	3.495146	213	0.8562	0.576575	1.524129	212.6362	9.878771
TS16_10_H_5	0.0831	0.0033	3.971119	0.545	0.028	5.137615	213	0.8562	0.613805	2.335742	203.6331	12.67214
TS16_10_I_5	0.0866	0.0037	4.272517	0.546	0.03	5.494505	213	0.8562	0.615046	2.501439	211.3998	14.12306
TS16_10_J_5	0.0933	0.0055	5.894962	0.552	0.025	4.528986	213	0.8562	0.622492	2.078943	223.1453	16.35829
TS16_10_K_5	0.1043	0.0038	3.643337	0.517	0.019	3.675048	213	0.8562	0.579057	1.607078	276.9885	13.73605
TS16_10_L_5	0.1076	0.0034	3.159851	0.566	0.029	5.123675	213	0.8562	0.639866	2.397334	245.083	14.3283
TS16_10_M_5	0.1113	0.004	3.59389	0.573	0.024	4.188482	213	0.8562	0.648553	1.978478	247.3518	13.46487
TS16_10_N_5	0.1177	0.0039	3.313509	0.625	0.037	5.92	213	0.8562	0.713084	2.997478	214.1005	14.89434
TS16_10_O_5	0.1306	0.007	5.359877	0.594	0.042	7.070707	213	0.8562	0.674613	3.435756	268.2827	23.82926
TS16_10_P_5	0.1254	0.0084	6.698565	0.618	0.041	6.634304	213	0.8562	0.704397	3.32828	234.6372	22.52686
TS16_10_Q_5	0.126	0.009	7.142857	0.626	0.025	3.99361	213	0.8562	0.714325	2.024751	227.9605	19.0244
TS16_10_R_5	0.1392	0.0061	4.382184	0.633	0.033	5.21327	213	0.8562	0.723012	2.667525	243.8808	17.13748
TS16_10_A_6	0.554	0.044	7.942238	0.808	0.026	3.217822	213	0.8562	0.940184	2.050004	210.1569	19.06531
TS16_10_B_6	0.77	0.36	46.75325	0.828	0.034	4.10628	213	0.8562	0.965004	2.679077	171.4109	81.23276
TS16_10_C_6	2.4	1	41.66667	0.836	0.027	3.229665	213	0.8562	0.974932	2.12717	376.6169	160.4256
TS16_10_D_6	0.76	0.25	32.89474	0.828	0.038	4.589372	213	0.8562	0.965004	2.994263	169.2137	57.07299
TS16_10_E_6	0.364	0.036	9.89011	0.838	0.044	5.250597	213	0.8562	0.977414	3.466394	52.78116	6.397895
TS16_10_F_6	0.348	0.019	5.45977	0.815	0.026	3.190184	213	0.8562	0.948871	2.049466	113.6911	7.825989
TS16_10_G_6	0.311	0.015	4.823151	0.808	0.04	4.950495	213	0.8562	0.940184	3.153852	118.8185	9.515123
TS16_10_H_6	0.296	0.018	6.081081	0.796	0.054	6.78392	213	0.8562	0.925293	4.260065	140.9988	14.90464
TS16_10_I_6	0.306	0.021	6.862745	0.793	0.066	8.322825	213	0.8562	0.92157	5.20758	152.8846	19.26821

TS16_10_J_6	0.335	0.023	6.865672	0.768	0.061	7.942708	213	0.8562	0.890545	4.821189	232.1429	27.91881
TS16_10_K_6	0.344	0.018	5.232558	0.783	0.045	5.747126	213	0.8562	0.90916	3.552747	198.3608	17.75151
TS16_10_L_6	0.346	0.02	5.780347	0.795	0.044	5.534591	213	0.8562	0.924052	3.471346	167.2122	15.28546
TS16_10_M_6	0.379	0.024	6.332454	0.78	0.033	4.230769	213	0.8562	0.905437	2.605866	226.9921	18.92027
TS16_10_N_6	0.382	0.027	7.068063	0.753	0.042	5.577689	213	0.8562	0.87193	3.323921	307.904	30.52901
TS16_10_O_6	0.355	0.028	7.887324	0.81	0.066	8.148148	213	0.8562	0.942666	5.203442	129.8892	17.11032
TS16_10_P_6	0.345	0.034	9.855072	0.733	0.056	7.639836	213	0.8562	0.84711	4.441525	331.364	44.9567
TS16_10_Q_6	0.324	0.029	8.950617	0.776	0.055	7.087629	213	0.8562	0.900473	4.344325	204.5948	25.87892
TS16_10_R_6	0.305	0.027	8.852459	0.779	0.035	4.49294	213	0.8562	0.904196	2.763987	185.6664	19.62926
TS16_10_A_7	0.441	0.045	10.20408	0.83	0.043	5.180723	213	0.8562	0.967486	3.388095	91.77619	11.31221
TS16_10_B_7	0.394	0.032	8.121827	0.796	0.077	9.673367	213	0.8562	0.925293	6.074537	187.0094	27.67003
TS16_10_C_7	0.404	0.031	7.673267	0.786	0.056	7.124682	213	0.8562	0.912883	4.420357	222.9826	26.50513
TS16_10_D_7	0.424	0.046	10.84906	0.746	0.045	6.032172	213	0.8562	0.863243	3.56386	363.3587	48.34055
TS16_10_E_7	0.369	0.049	13.27913	0.775	0.038	4.903226	213	0.8562	0.899232	3.001751	235.3509	34.83757
TS16_10_F_7	0.267	0.015	5.617978	0.763	0.038	4.980341	213	0.8562	0.88434	3.004612	196.0611	16.35563
TS16_10_G_7	0.238	0.015	6.302521	0.766	0.045	5.874674	213	0.8562	0.888063	3.557194	169.4911	16.30237
TS16_10_H_7	0.234	0.011	4.700855	0.76	0.052	6.842105	213	0.8562	0.880617	4.112652	177.615	17.03838
TS16_10_I_7	0.226	0.014	6.19469	0.799	0.063	7.884856	213	0.8562	0.929016	4.969322	102.5957	12.09989
TS16_10_J_7	0.231	0.023	9.95671	0.835	0.047	5.628743	213	0.8562	0.973691	3.702913	39.05861	4.859649
TS16_10_K_7	0.222	0.023	10.36036	0.806	0.042	5.210918	213	0.8562	0.937702	3.31182	88.54336	10.95375
TS16_10_L_7	0.1888	0.0092	4.872881	0.787	0.028	3.557814	213	0.8562	0.914124	2.210043	103.6803	6.872523
TS16_10_M_7	0.189	0.011	5.820106	0.784	0.03	3.826531	213	0.8562	0.910401	2.368346	108.2512	8.186547
TS16_10_N_7	0.201	0.011	5.472637	0.773	0.035	4.527814	213	0.8562	0.89675	2.765181	132.4148	10.40055
TS16_10_O_7	0.205	0.013	6.341463	0.813	0.043	5.289053	213	0.8562	0.946389	3.389741	70.46075	6.573451
TS16_10_P_7	0.209	0.013	6.220096	0.82	0.048	5.853659	213	0.8562	0.955076	3.783024	60.24337	5.925545
TS16_10_Q_7	2.1	1.4	66.66667	0.864	0.061	7.060185	213	0.8562	1.00968	4.805167	-132.389	-88.8719
TS16_10_R_7	2.1	1.4	66.66667	0.793	0.052	6.557377	213	0.8562	0.92157	4.102942	982.8638	676.4123
TS16_10_A_8	0.197	0.02	10.15228	0.699	0.034	4.864092	213	0.8562	0.804917	2.7097	243.1025	28.44808
TS16_10_B_8	0.179	0.012	6.703911	0.668	0.036	5.389222	213	0.8562	0.766446	2.885784	264.0184	23.79621
TS16_10_C_8	0.1955	0.0082	4.194373	0.708	0.033	4.661017	213	0.8562	0.816086	2.626253	227.7127	15.56097
TS16_10_D_8	0.19	0.0085	4.473684	0.716	0.027	3.77095	213	0.8562	0.826014	2.146225	209.6551	13.19861
TS16_10_E_8	0.184	0.0077	4.184783	0.72	0.039	5.416667	213	0.8562	0.830978	3.098376	197.4299	14.97369
TS16_10_F_8	0.1936	0.0096	4.958678	0.696	0.043	6.178161	213	0.8562	0.801194	3.428689	243.4593	20.96236
TS16_10_G_8	0.221	0.016	7.239819	0.739	0.037	5.006766	213	0.8562	0.854556	2.932523	203.9469	19.27746
TS16_10_H_8	0.267	0.011	4.11985	0.725	0.046	6.344828	213	0.8562	0.837183	3.652056	274.3198	23.45791
TS16_10_I_8	0.253	0.012	4.743083	0.694	0.03	4.322767	213	0.8562	0.798712	2.392923	320.2034	22.08239
TS16_10_J_8	0.211	0.014	6.635071	0.687	0.041	5.967977	213	0.8562	0.790025	3.274377	279.4605	26.57103

TS16_10_K_8	0.209	0.013	6.220096	0.704	0.023	3.267045	213	0.8562	0.811122	1.831555	249.5813	18.34342
TS16_10_L_8	0.199	0.013	6.532663	0.713	0.044	6.171108	213	0.8562	0.822291	3.499061	224.0335	21.78773
TS16_10_M_8	0.1801	0.0083	4.608551	0.729	0.044	6.035665	213	0.8562	0.842147	3.491485	180.711	15.31514
TS16_10_N_8	0.1798	0.0093	5.172414	0.715	0.037	5.174825	213	0.8562	0.824773	2.941542	199.9661	15.89033
TS16_10_O_8	0.169	0.012	7.100592	0.717	0.042	5.857741	213	0.8562	0.827255	3.338101	185.5016	18.31611
TS16_10_P_8	0.1508	0.0068	4.509284	0.703	0.037	5.263158	213	0.8562	0.809881	2.946881	182.2187	13.70067
TS16_10_Q_8	0.151	0.012	7.94702	0.687	0.051	7.423581	213	0.8562	0.790025	4.073005	201.218	23.21861
TS16_10_R_8	0.1562	0.0077	4.929577	0.666	0.032	4.804805	213	0.8562	0.763964	2.566229	233.3948	16.89145
TS16_10_A_9	0.0959	0.0036	3.75391	0.535	0.02	3.738318	213	0.8562	0.601395	1.676257	241.8288	12.39053
TS16_10_B_9	0.1	0.0024	2.4	0.526	0.017	3.231939	213	0.8562	0.590226	1.43119	258.8884	9.859783
TS16_10_C_9	0.0932	0.0028	3.004292	0.531	0.022	4.143126	213	0.8562	0.596431	1.847492	238.0178	11.53644
TS16_10_D_9	0.087	0.0037	4.252874	0.518	0.021	4.054054	213	0.8562	0.580298	1.7753	231.1891	13.02758
TS16_10_E_9	0.079	0.0024	3.037975	0.551	0.025	4.537205	213	0.8562	0.621251	2.079861	190.0549	9.927779
TS16_10_F_9	0.0814	0.0025	3.071253	0.549	0.032	5.82878	213	0.8562	0.618769	2.664592	197.0053	12.2928
TS16_10_G_9	0.0818	0.0024	2.933985	0.55	0.029	5.272727	213	0.8562	0.62001	2.413709	197.324	11.30945
TS16_10_H_9	0.0823	0.0026	3.159174	0.563	0.03	5.328597	213	0.8562	0.636143	2.483052	190.2069	11.35198
TS16_10_I_9	0.0849	0.0039	4.59364	0.559	0.031	5.545617	213	0.8562	0.631179	2.570116	198.7602	13.90041
TS16_10_J_9	0.0862	0.0031	3.596288	0.547	0.027	4.936015	213	0.8562	0.616287	2.250274	209.7716	12.27186
TS16_10_K_9	0.0896	0.0034	3.794643	0.536	0.021	3.91791	213	0.8562	0.602636	1.759221	225.5255	11.86615
TS16_10_L_9	0.0905	0.0032	3.535912	0.542	0.015	2.767528	213	0.8562	0.610082	1.253024	223.5567	9.85122
TS16_10_M_9	0.0947	0.0039	4.118268	0.541	0.023	4.251386	213	0.8562	0.608841	1.9222	234.4764	13.43907
TS16_10_N_9	0.0978	0.0033	3.374233	0.549	0.026	4.735883	213	0.8562	0.618769	2.164981	235.9784	13.18044
TS16_10_O_9	0.0968	0.0026	2.68595	0.512	0.024	4.6875	213	0.8562	0.572852	2.035488	261.1824	12.9869
TS16_10_P_9	0.0902	0.0047	5.210643	0.539	0.03	5.565863	213	0.8562	0.606359	2.509578	224.9192	16.53849
TS16_10_Q_9	0.0886	0.0044	4.96614	0.54	0.024	4.444444	213	0.8562	0.6076	2.006716	220.3122	14.29455
TS16_10_R_9	0.0848	0.0028	3.301887	0.525	0.015	2.857143	213	0.8562	0.588985	1.263458	220.8567	9.335259
TS16_10_A_10	0.04315	0.00099	2.294322	0.2513	0.0094	3.740549	213	0.8562	0.249327	1.080668	205.4987	6.57837
TS16_10_B_10	0.0474	0.0025	5.274262	0.301	0.019	6.312292	213	0.8562	0.311004	1.987342	207.1648	13.8889
TS16_10_C_10	0.0519	0.0021	4.046243	0.35	0.018	5.142857	213	0.8562	0.371813	1.754211	206.8185	11.24589
TS16_10_D_10	0.0543	0.0023	4.235727	0.383	0.015	3.916449	213	0.8562	0.412765	1.406876	202.3466	10.44433
TS16_10_E_10	0.0557	0.0012	2.154399	0.385	0.016	4.155844	213	0.8562	0.415247	1.497489	206.6176	7.74168
TS16_10_F_10	0.0581	0.002	3.442341	0.386	0.014	3.626943	213	0.8562	0.416488	1.308925	214.9237	9.444517
TS16_10_G_10	0.0603	0.0018	2.985075	0.404	0.011	2.722772	213	0.8562	0.438826	1.010047	214.5293	7.857734
TS16_10_H_10	0.0621	0.0026	4.186795	0.432	0.015	3.472222	213	0.8562	0.473574	1.343353	207.3689	10.47518
TS16_10_I_10	0.0645	0.0016	2.48062	0.448	0.022	4.910714	213	0.8562	0.493429	1.945279	207.2611	9.711309
TS16_10_J_10	0.0643	0.0013	2.021773	0.441	0.024	5.442177	213	0.8562	0.484742	2.133725	210.1148	10.07752
TS16_10_K_10	0.0676	0.0017	2.514793	0.45	0.017	3.777778	213	0.8562	0.495911	1.500883	216.0107	8.59649

TS16_10_L_10	0.0689	0.0019	2.75762	0.426	0.015	3.521127	213	0.8562	0.466128	1.350165	232.8666	9.145453
TS16_10_M_10	0.072	0.0029	4.027778	0.435	0.023	5.287356	213	0.8562	0.477296	2.054723	238.1547	13.94503
TS16_10_N_10	0.0681	0.0028	4.111601	0.425	0.027	6.352941	213	0.8562	0.464887	2.432383	230.7361	14.94571
TS16_10_O_10	0.0656	0.0033	5.030488	0.413	0.019	4.600484	213	0.8562	0.449995	1.729996	228.4912	14.18514
TS16_10_P_10	0.0679	0.0057	8.394698	0.407	0.026	6.388206	213	0.8562	0.442549	2.38059	239.4982	23.50555
TS16_10_Q_10	0.0541	0.0029	5.360444	0.321	0.022	6.853583	213	0.8562	0.335824	2.230615	227.5676	16.13385
TS16_10_R_10	0.0471	0.0017	3.609342	0.264	0.016	6.060606	213	0.8562	0.265088	1.790712	219.3635	11.3359
TS16_10_A_11	0.266	0.012	4.511278	0.771	0.031	4.020752	213	0.8562	0.894268	2.449533	178.8009	12.0631
TS16_10_B_11	0.2505	0.0088	3.512974	0.756	0.049	6.481481	213	0.8562	0.875653	3.8768	197.7348	17.06997
TS16_10_C_11	0.215	0.012	5.581395	0.707	0.029	4.101839	213	0.8562	0.814845	2.308273	251.645	18.56093
TS16_10_D_11	0.2082	0.0094	4.51489	0.697	0.037	5.308465	213	0.8562	0.802435	2.949771	259.8523	19.66853
TS16_10_E_11	0.2021	0.009	4.453241	0.71	0.046	6.478873	213	0.8562	0.818568	3.659731	232.1431	20.22009
TS16_10_F_11	0.2	0.018	9	0.715	0.046	6.433566	213	0.8562	0.824773	3.657052	222.049	26.14712
TS16_10_G_11	0.195	0.019	9.74359	0.696	0.024	3.448276	213	0.8562	0.801194	1.913687	245.1868	26.10843
TS16_10_H_11	0.176	0.0085	4.829545	0.659	0.014	2.124431	213	0.8562	0.755277	1.124448	271.8415	14.77505
TS16_10_I_11	0.1842	0.0087	4.723127	0.696	0.037	5.316092	213	0.8562	0.801194	2.950267	231.8485	17.81752
TS16_10_J_11	0.201	0.012	5.970149	0.71	0.046	6.478873	213	0.8562	0.818568	3.659731	230.9019	22.16696
TS16_10_K_11	0.254	0.023	9.055118	0.725	0.032	4.413793	213	0.8562	0.837183	2.540561	261.2303	27.62215
TS16_10_L_11	0.255	0.014	5.490196	0.701	0.03	4.279601	213	0.8562	0.807399	2.390131	309.0754	23.00657
TS16_10_M_11	0.306	0.026	8.496732	0.722	0.038	5.263158	213	0.8562	0.83346	3.018113	320.4211	34.14949
TS16_10_N_11	0.355	0.026	7.323944	0.734	0.035	4.768392	213	0.8562	0.848351	2.77562	338.0249	31.81479
TS16_10_O_11	0.428	0.029	6.775701	0.72	0.024	3.333333	213	0.8562	0.830978	1.906693	450.2475	36.15706
TS16_10_P_11	0.508	0.027	5.314961	0.765	0.028	3.660131	213	0.8562	0.886822	2.213549	360.3697	25.58666
TS16_10_Q_11	0.525	0.026	4.952381	0.753	0.029	3.851262	213	0.8562	0.87193	2.295088	419.4858	29.20133
TS16_10_R_11	0.44	0.024	5.454545	0.75	0.032	4.266667	213	0.8562	0.868207	2.53326	363.3829	27.76941
TS16_10_A_12	2.2	0.59	26.81818	0.78	0.12	15.38462	213	0.8562	0.905437	9.475877	1218.362	426.0106
TS16_10_B_12	1.55	0.46	29.67742	0.49	0.083	16.93878	213	0.8562	0.545551	7.129987	3437.299	1344.59
TS16_10_C_12	1.83	0.63	34.42623	0.58	0.11	18.96552	213	0.8562	0.65724	9.043789	3138.711	1407.094
TS16_10_D_12	1.42	0.34	23.94366	0.6	0.11	18.33333	213	0.8562	0.682059	8.980166	2401.811	817.0752
TS16_10_E_12	0.76	0.43	56.57895	0.696	0.036	5.172414	213	0.8562	0.801194	2.87053	907.0851	531.3952
TS16_10_F_12	0.157	0.022	14.01274	0.687	0.042	6.113537	213	0.8562	0.790025	3.35424	209.0852	32.93128
TS16_10_G_12	0.224	0.056	25	0.634	0.043	6.782334	213	0.8562	0.724253	3.474934	386.3649	102.5002
TS16_10_H_12	0.265	0.059	22.26415	0.704	0.053	7.528409	213	0.8562	0.811122	4.22054	314.8452	76.37317
TS16_10_I_12	0.28	0.11	39.28571	0.647	0.069	10.66461	213	0.8562	0.740386	5.557546	452.3539	188.5363
TS16_10_J_12	0.212	0.044	20.75472	0.678	0.035	5.162242	213	0.8562	0.778856	2.799943	295.3533	64.64359
TS16_10_K_12	0.118	0.01	8.474576	0.602	0.03	4.983389	213	0.8562	0.684541	2.44752	235.6038	23.44175
TS16_10_L_12	0.117	0.022	18.80342	0.556	0.036	6.47482	213	0.8562	0.627456	2.988472	275.0328	55.20253

TS16_10_M_12	0.0795	0.0034	4.27673	0.468	0.023	4.91453	213	0.8562	0.518249	2.00434	242.282	14.45596
TS16_10_N_12	0.098	0.015	15.30612	0.53	0.041	7.735849	213	0.8562	0.59519	3.444761	250.7956	42.78385
TS16_10_O_12	0.311	0.081	26.04502	0.736	0.037	5.027174	213	0.8562	0.850833	2.933535	292.325	79.35016
TS16_10_P_12	0.55	0.13	23.63636	0.757	0.053	7.001321	213	0.8562	0.876894	4.192883	422.3336	108.5483
TS16_10_Q_12	1.15	0.19	16.52174	0.839	0.04	4.76758	213	0.8562	0.978655	3.151223	156.3274	27.92073
TS16_10_R_12	0.7	0.34	48.57143	0.683	0.081	11.85944	213	0.8562	0.785061	6.473671	903.5258	469.9918
TS16_10_A_13	0.279	0.015	5.376344	0.754	0.026	3.448276	213	0.8562	0.873171	2.057467	224.1648	15.42526
TS16_10_B_13	0.242	0.011	4.545455	0.752	0.03	3.989362	213	0.8562	0.870689	2.374461	198.637	13.24742
TS16_10_C_13	0.232	0.0084	3.62069	0.707	0.03	4.243281	213	0.8562	0.814845	2.387868	271.1297	16.57425
TS16_10_D_13	0.204	0.0093	4.558824	0.744	0.041	5.510753	213	0.8562	0.860761	3.247762	180.5561	14.51451
TS16_10_E_13	0.2016	0.0078	3.869048	0.706	0.03	4.249292	213	0.8562	0.813604	2.388237	237.7995	14.87305
TS16_10_F_13	0.1715	0.009	5.247813	0.724	0.031	4.281768	213	0.8562	0.835942	2.461491	178.8717	13.03776
TS16_10_G_13	0.1822	0.0069	3.787047	0.719	0.029	4.03338	213	0.8562	0.829737	2.304237	196.9414	11.91757
TS16_10_H_13	0.202	0.015	7.425743	0.721	0.049	6.796117	213	0.8562	0.832219	3.892302	214.8601	23.46215
TS16_10_I_13	0.231	0.013	5.627706	0.673	0.041	6.092125	213	0.8562	0.772651	3.283195	329.9595	29.21164
TS16_10_J_13	0.2423	0.0092	3.796946	0.716	0.031	4.329609	213	0.8562	0.826014	2.464184	266.1885	16.88514
TS16_10_K_13	0.2472	0.0099	4.004854	0.768	0.033	4.296875	213	0.8562	0.890545	2.608184	172.1045	11.46057
TS16_10_L_13	0.2523	0.0089	3.527547	0.738	0.032	4.336043	213	0.8562	0.853315	2.536525	234.2637	14.72443
TS16_10_M_13	0.249	0.011	4.417671	0.731	0.026	3.556772	213	0.8562	0.844628	2.062638	244.6924	15.05666
TS16_10_N_13	0.2175	0.0088	4.045977	0.728	0.025	3.434066	213	0.8562	0.840906	1.984048	219.293	12.62891
TS16_10_O_13	0.1947	0.008	4.108885	0.712	0.019	2.668539	213	0.8562	0.82105	1.511179	220.7793	11.44628
TS16_10_P_13	0.1812	0.0056	3.090508	0.722	0.026	3.601108	213	0.8562	0.83346	2.065025	191.6567	10.02695
TS16_10_Q_13	0.175	0.0043	2.457143	0.684	0.041	5.994152	213	0.8562	0.786302	3.276184	236.6789	16.8484
TS16_10_R_13	0.1736	0.0049	2.822581	0.676	0.036	5.325444	213	0.8562	0.776374	2.881073	245.5235	16.03748
TS16_10_A_14	0.495	0.073	14.74747	0.785	0.025	3.184713	213	0.8562	0.911642	1.973497	275.9572	42.90074
TS16_10_B_14	0.375	0.023	6.133333	0.774	0.028	3.617571	213	0.8562	0.897991	2.211979	241.9977	18.62164
TS16_10_C_14	0.314	0.014	4.458599	0.762	0.025	3.28084	213	0.8562	0.883099	1.976889	232.3883	14.08561
TS16_10_D_14	0.257	0.019	7.392996	0.772	0.022	2.849741	213	0.8562	0.895509	1.738245	170.8297	14.12718
TS16_10_E_14	0.221	0.01	4.524887	0.777	0.02	2.574003	213	0.8562	0.901714	1.579642	138.525	7.722833
TS16_10_F_14	0.318	0.034	10.69182	0.786	0.023	2.926209	213	0.8562	0.912883	1.815504	176.1579	20.13377
TS16_10_G_14	0.262	0.029	11.0687	0.775	0.022	2.83871	213	0.8562	0.899232	1.737856	167.9855	19.71495
TS16_10_H_14	0.1862	0.0088	4.726101	0.718	0.03	4.178273	213	0.8562	0.828496	2.384024	202.6418	13.80553
TS16_10_I_14	0.1941	0.0053	2.730551	0.702	0.033	4.700855	213	0.8562	0.80864	2.62872	235.0996	14.16936
TS16_10_J_14	0.1884	0.0086	4.564756	0.712	0.025	3.511236	213	0.8562	0.82105	1.988394	213.7525	13.14427
TS16_10_K_14	0.1858	0.0091	4.89774	0.681	0.031	4.552129	213	0.8562	0.782579	2.478515	255.292	18.12149
TS16_10_L_14	0.1851	0.0063	3.403566	0.66	0.024	3.636364	213	0.8562	0.756518	1.927194	284.1732	14.92187
TS16_10_M_14	0.1786	0.0066	3.695409	0.651	0.029	4.454685	213	0.8562	0.74535	2.333528	286.7149	17.42963

TS16_10_N_14	0.1663	0.0088	5.291642	0.634	0.024	3.785489	213	0.8562	0.724253	1.939498	289.0341	19.36627
TS16_10_O_14	0.1518	0.0063	4.150198	0.658	0.026	3.951368	213	0.8562	0.754036	2.088732	236.3069	14.15775
TS16_10_P_14	0.1479	0.0038	2.569304	0.664	0.034	5.120482	213	0.8562	0.761482	2.727792	223.4894	13.69889
TS16_10_Q_14	0.1485	0.0077	5.185185	0.613	0.026	4.241436	213	0.8562	0.698192	2.1138	282.6312	19.3003
TS16_10_R_14	0.1452	0.0094	6.473829	0.629	0.043	6.836248	213	0.8562	0.718048	3.479658	258.6535	25.03587
TS16_10_A_15	0.1715	0.0096	5.597668	0.709	0.041	5.782793	213	0.8562	0.817327	3.262425	198.8573	17.33874
TS16_10_B_15	0.151	0.011	7.284768	0.649	0.052	8.012327	213	0.8562	0.742868	4.186262	245.558	27.71821
TS16_10_C_15	0.1422	0.006	4.219409	0.664	0.045	6.777108	213	0.8562	0.761482	3.610313	215.0182	18.25948
TS16_10_D_15	0.1424	0.0055	3.86236	0.631	0.028	4.437401	213	0.8562	0.72053	2.264581	251.5718	15.25254
TS16_10_E_15	0.1357	0.0046	3.389831	0.685	0.037	5.40146	213	0.8562	0.787543	2.956008	183.224	12.65325
TS16_10_F_15	0.1332	0.0053	3.978979	0.717	0.026	3.62622	213	0.8562	0.827255	2.066443	146.6491	8.504057
TS16_10_G_15	0.1445	0.0069	4.775087	0.71	0.031	4.366197	213	0.8562	0.818568	2.466341	166.8279	11.59235
TS16_10_H_15	0.1529	0.0061	3.989536	0.653	0.028	4.287902	213	0.8562	0.747832	2.251997	243.8796	14.93763
TS16_10_I_15	0.1735	0.0091	5.244957	0.664	0.028	4.216867	213	0.8562	0.761482	2.246417	261.3986	18.39735
TS16_10_J_15	0.1883	0.0072	3.823686	0.659	0.033	5.007587	213	0.8562	0.755277	2.650486	290.4177	19.38694
TS16_10_K_15	0.1902	0.0059	3.101998	0.725	0.048	6.62069	213	0.8562	0.837183	3.810841	196.603	16.40632
TS16_10_L_15	0.201	0.012	5.970149	0.736	0.047	6.38587	213	0.8562	0.850833	3.726382	190.4387	18.43019
TS16_10_M_15	0.2056	0.0091	4.42607	0.747	0.05	6.69344	213	0.8562	0.864484	3.959432	177.1536	16.27341
TS16_10_N_15	0.2115	0.0091	4.3026	0.75	0.035	4.666667	213	0.8562	0.868207	2.770754	177.2297	12.59417
TS16_10_O_15	0.2139	0.009	4.207574	0.734	0.038	5.177112	213	0.8562	0.848351	3.013531	205.7865	15.35197
TS16_10_P_15	0.211	0.014	6.635071	0.724	0.04	5.524862	213	0.8562	0.835942	3.176117	219.3757	20.46523
TS16_10_Q_15	0.219	0.012	5.479452	0.698	0.036	5.157593	213	0.8562	0.803676	2.869569	271.3705	21.95511
TS16_10_R_15	0.2178	0.0079	3.627181	0.72	0.04	5.555556	213	0.8562	0.830978	3.177822	233.0485	17.34276
TS16_10_A_16	0.264	0.021	7.954545	0.764	0.03	3.926702	213	0.8562	0.885581	2.371859	191.8412	18.00945
TS16_10_B_16	0.213	0.019	8.920188	0.767	0.034	4.432855	213	0.8562	0.889304	2.687437	150.2309	15.80993
TS16_10_C_16	0.1795	0.0079	4.401114	0.719	0.035	4.867872	213	0.8562	0.829737	2.780976	194.0664	13.95853
TS16_10_D_16	0.1557	0.0066	4.238921	0.698	0.032	4.584527	213	0.8562	0.803676	2.550728	194.1001	13.05671
TS16_10_E_16	0.1465	0.0047	3.208191	0.672	0.027	4.017857	213	0.8562	0.77141	2.162544	212.344	11.6148
TS16_10_F_16	0.1399	0.0052	3.716941	0.645	0.021	3.255814	213	0.8562	0.737904	1.69226	232.142	11.87148
TS16_10_G_16	0.1308	0.0062	4.740061	0.648	0.022	3.395062	213	0.8562	0.741627	1.771539	214.2577	12.87976
TS16_10_H_16	0.1258	0.003	2.384738	0.634	0.025	3.943218	213	0.8562	0.724253	2.020311	219.8285	10.4834
TS16_10_I_16	0.1251	0.0034	2.717826	0.642	0.021	3.271028	213	0.8562	0.734181	1.693533	210.8818	9.302627
TS16_10_J_16	0.1289	0.0035	2.715283	0.612	0.017	2.777778	213	0.8562	0.696951	1.382525	247.0224	9.751359
TS16_10_K_16	0.1298	0.0047	3.620955	0.625	0.026	4.16	213	0.8562	0.713084	2.106336	235.713	13.32239
TS16_10_L_16	0.1292	0.0065	5.03096	0.634	0.024	3.785489	213	0.8562	0.724253	1.939498	225.667	14.57341
TS16_10_M_16	0.1293	0.006	4.640371	0.637	0.033	5.180534	213	0.8562	0.727976	2.664695	222.8416	16.00257
TS16_10_N_16	0.1218	0.0029	2.380952	0.59	0.032	5.423729	213	0.8562	0.669649	2.621372	254.3	14.91813

TS16_10_O_16	0.1194	0.0042	3.517588	0.564	0.029	5.141844	213	0.8562	0.637384	2.399295	273.2332	16.58487
TS16_10_P_16	0.1106	0.0047	4.249548	0.622	0.029	4.662379	213	0.8562	0.709361	2.351393	203.9571	13.12086
TS16_10_Q_16	0.1084	0.0035	3.228782	0.608	0.02	3.289474	213	0.8562	0.691987	1.628531	211.7215	9.863696
TS16_10_R_16	0.1091	0.0029	2.658112	0.629	0.03	4.769475	213	0.8562	0.718048	2.427668	195.3092	10.96711
TS16_10_A_17	0.256	0.02	7.8125	0.643	0.039	6.065319	213	0.8562	0.735422	3.144339	422.4775	43.64184
TS16_10_B_17	0.214	0.013	6.074766	0.627	0.035	5.582137	213	0.8562	0.715566	2.833855	380.9076	32.51796
TS16_10_C_17	0.202	0.016	7.920792	0.638	0.042	6.583072	213	0.8562	0.729217	3.390545	343.3017	36.66189
TS16_10_D_17	0.192	0.016	8.333333	0.662	0.036	5.438066	213	0.8562	0.759	2.889511	291.5926	30.17888
TS16_10_E_17	0.192	0.013	6.770833	0.653	0.034	5.206738	213	0.8562	0.747832	2.734568	304.7915	27.10842
TS16_10_F_17	0.189	0.011	5.820106	0.673	0.026	3.863299	213	0.8562	0.772651	2.082026	271.2095	19.79227
TS16_10_G_17	0.185	0.01	5.405405	0.68	0.028	4.117647	213	0.8562	0.781338	2.239087	255.6368	18.27886
TS16_10_H_17	0.191	0.014	7.329843	0.664	0.036	5.421687	213	0.8562	0.761482	2.88825	287.1854	27.34928
TS16_10_I_17	0.199	0.011	5.527638	0.618	0.022	3.559871	213	0.8562	0.704397	1.785906	368.4757	24.90853
TS16_10_J_17	0.203	0.011	5.418719	0.662	0.028	4.229607	213	0.8562	0.759	2.247398	307.9055	22.16534
TS16_10_K_17	0.1867	0.009	4.820568	0.678	0.023	3.39233	213	0.8562	0.778856	1.839962	260.8089	16.12124
TS16_10_L_17	0.1933	0.0071	3.673047	0.697	0.021	3.012912	213	0.8562	0.802435	1.674194	241.5998	12.22427
TS16_10_M_17	0.2108	0.0092	4.364326	0.699	0.021	3.004292	213	0.8562	0.804917	1.673638	259.7933	14.56438
TS16_10_N_17	0.244	0.0098	4.016393	0.701	0.028	3.994294	213	0.8562	0.807399	2.230789	296.0441	18.16058
TS16_10_O_17	0.2703	0.0099	3.662597	0.759	0.025	3.293808	213	0.8562	0.879376	1.977414	206.8292	11.31954
TS16_10_P_17	0.32	0.02	6.25	0.747	0.025	3.34672	213	0.8562	0.864484	1.979716	273.6574	20.64966
TS16_10_Q_17	0.345	0.02	5.797101	0.72	0.024	3.333333	213	0.8562	0.830978	1.906693	365.3561	26.03124
TS16_10_R_17	0.349	0.018	5.157593	0.721	0.036	4.993065	213	0.8562	0.832219	2.85965	366.836	29.00536
TS16_10_A_18	0.1726	0.0089	5.156431	0.706	0.035	4.957507	213	0.8562	0.813604	2.786277	204.1276	15.72665
TS16_10_B_18	0.1687	0.0056	3.319502	0.702	0.02	2.849003	213	0.8562	0.80864	1.593164	204.8176	9.568437
TS16_10_C_18	0.1685	0.007	4.154303	0.674	0.027	4.005935	213	0.8562	0.773892	2.161668	241.0398	14.70904
TS16_10_D_18	0.1472	0.007	4.755435	0.755	0.038	5.033113	213	0.8562	0.874412	3.006781	118.0837	9.129984
TS16_10_E_18	0.1516	0.0064	4.221636	0.753	0.03	3.984064	213	0.8562	0.87193	2.374229	123.9601	7.94742
TS16_10_F_18	0.1561	0.0061	3.907751	0.748	0.022	2.941176	213	0.8562	0.865725	1.74197	133.7221	7.06999
TS16_10_G_18	0.1573	0.0064	4.068659	0.744	0.025	3.360215	213	0.8562	0.860761	1.980343	139.667	8.012006
TS16_10_H_18	0.1527	0.0064	4.191225	0.732	0.051	6.967213	213	0.8562	0.845869	4.04545	149.9632	13.81006
TS16_10_I_18	0.1576	0.0045	2.85533	0.676	0.028	4.142012	213	0.8562	0.776374	2.240835	223.2818	12.06171
TS16_10_J_18	0.1557	0.0059	3.789338	0.683	0.021	3.074671	213	0.8562	0.785061	1.678359	212.2043	10.91189
TS16_10_K_18	0.1592	0.0068	4.271357	0.714	0.028	3.921569	213	0.8562	0.823532	2.226352	178.6067	11.16476
TS16_10_L_18	0.1675	0.0048	2.865672	0.684	0.045	6.578947	213	0.8562	0.786302	3.595812	226.7118	17.83856
TS16_10_M_18	0.1636	0.0055	3.361858	0.697	0.034	4.878049	213	0.8562	0.802435	2.7106	205.0623	13.2775
TS16_10_N_18	0.1603	0.0063	3.930131	0.698	0.028	4.011461	213	0.8562	0.803676	2.231887	199.7466	12.05436
TS16_10_O_18	0.156	0.01	6.410256	0.684	0.043	6.28655	213	0.8562	0.786302	3.435998	211.3988	20.16428

TS16_10_P_18	0.1596	0.0061	3.822055	0.698	0.039	5.587393	213	0.8562	0.803676	3.108699	198.8877	14.72469
TS16_10_Q_18	0.1548	0.0055	3.552972	0.673	0.043	6.389302	213	0.8562	0.772651	3.443351	222.9715	17.55689
TS16_10_R_18	0.1557	0.0048	3.082852	0.604	0.027	4.470199	213	0.8562	0.687023	2.201332	306.7228	16.86185
TS16_10_A_19	0.242	0.03	12.39669	0.728	0.03	4.120879	213	0.8562	0.840906	2.380858	243.5339	32.87539
TS16_10_B_19	0.18	0.0081	4.5	0.682	0.041	6.01173	213	0.8562	0.78382	3.277414	246.0878	19.9135
TS16_10_C_19	0.2004	0.0069	3.443114	0.684	0.03	4.385965	213	0.8562	0.786302	2.397208	270.3203	16.27481
TS16_10_D_19	0.187	0.014	7.486631	0.688	0.024	3.488372	213	0.8562	0.791266	1.916361	246.8378	21.12865
TS16_10_E_19	0.1541	0.0071	4.607398	0.68	0.022	3.235294	213	0.8562	0.781338	1.759283	213.6375	12.58039
TS16_10_F_19	0.145	0.0063	4.344828	0.707	0.038	5.374823	213	0.8562	0.814845	3.024633	170.7876	12.87721
TS16_10_G_19	0.1378	0.0084	6.095791	0.748	0.064	8.55615	213	0.8562	0.865725	5.067549	118.1883	14.09169
TS16_10_H_19	0.14	0.011	7.857143	0.803	0.075	9.339975	213	0.8562	0.93398	5.914743	59.30968	8.455948
TS16_10_I_19	0.137	0.012	8.759124	0.78	0.069	8.846154	213	0.8562	0.905437	5.448629	82.97795	11.6657
TS16_10_J_19	0.1167	0.0073	6.255356	0.735	0.081	11.02041	213	0.8562	0.849592	6.422817	112.1695	16.14651
TS16_10_K_19	0.1217	0.005	4.108463	0.642	0.04	6.23053	213	0.8562	0.734181	3.225777	205.2407	15.93104
TS16_10_L_19	0.1268	0.0062	4.88959	0.628	0.038	6.050955	213	0.8562	0.716807	3.075899	227.4243	18.16503
TS16_10_M_19	0.128	0.01	7.8125	0.608	0.049	8.059211	213	0.8562	0.691987	3.989901	249.2719	28.32028
TS16_10_N_19	0.1169	0.0076	6.501283	0.606	0.051	8.415842	213	0.8562	0.689505	4.155396	229.8381	24.64192
TS16_10_O_19	0.127	0.01	7.874016	0.595	0.049	8.235294	213	0.8562	0.675854	4.007005	260.0594	29.74621
TS16_10_P_19	0.134	0.012	8.955224	0.626	0.052	8.306709	213	0.8562	0.714325	4.211481	242.1656	30.26694
TS16_10_Q_19	0.1306	0.0098	7.503828	0.68	0.039	5.735294	213	0.8562	0.781338	3.118728	181.5122	17.9382
TS16_10_R_19	0.14	0.012	8.571429	0.608	0.05	8.223684	213	0.8562	0.691987	4.071328	272.1544	32.7809
TS16_10_A_20	1.071	0.099	9.243697	0.799	0.056	7.008761	213	0.8562	0.929016	4.417175	472.3485	62.36146
TS16_10_B_20	1.15	0.12	10.43478	0.841	0.081	9.631391	213	0.8562	0.981137	6.381061	138.3433	23.01131
TS16_10_C_20	1.063	0.055	5.174036	0.824	0.048	5.825243	213	0.8562	0.96004	3.782599	268.1698	25.04825
TS16_10_D_20	2.07	0.71	34.29952	0.838	0.019	2.267303	213	0.8562	0.977414	1.496852	294.5555	102.9416
TS16_10_E_20	1.91	0.74	38.74346	0.863	0.026	3.012746	213	0.8562	1.008439	2.048092	-104.749	-40.6076
TS16_10_F_20	1.026	0.065	6.335283	0.848	0.033	3.891509	213	0.8562	0.989824	2.599524	66.95594	5.513599
TS16_10_G_20	0.957	0.05	5.22466	0.817	0.038	4.651163	213	0.8562	0.951353	2.995174	293.3356	23.81088
TS16_10_H_20	0.898	0.064	7.126949	0.816	0.038	4.656863	213	0.8562	0.950112	2.995273	282.5118	26.83138
TS16_10_I_20	0.832	0.052	6.25	0.816	0.031	3.79902	213	0.8562	0.950112	2.443512	262.1644	21.19351
TS16_10_J_20	0.886	0.054	6.094808	0.784	0.036	4.591837	213	0.8562	0.910401	2.842015	492.4503	42.50841
TS16_10_K_20	0.933	0.069	7.395498	0.794	0.047	5.919395	213	0.8562	0.922811	3.708227	448.3001	48.44202
TS16_10_L_20	0.9	0.059	6.555556	0.789	0.04	5.069708	213	0.8562	0.916606	3.156827	466.5379	43.88655
TS16_10_M_20	0.86	0.058	6.744186	0.814	0.043	5.282555	213	0.8562	0.94763	3.38962	283.9848	27.70358
TS16_10_N_20	0.884	0.052	5.882353	0.828	0.039	4.710145	213	0.8562	0.965004	3.073059	196.4056	16.94399
TS16_10_O_20	0.877	0.067	7.639681	0.845	0.04	4.733728	213	0.8562	0.986101	3.15101	78.10329	7.777348
TS16_10_P_20	0.912	0.048	5.263158	0.816	0.054	6.617647	213	0.8562	0.950112	4.25644	286.8196	29.28788

TS16_10_Q_20	0.931	0.053	5.692803	0.851	0.044	5.170388	213	0.8562	0.993547	3.465978	38.6133	3.473053
TS16_10_R_20	0.885	0.058	6.553672	0.791	0.05	6.321113	213	0.8562	0.919088	3.945577	445.8325	47.17774
TS16_10_A_21	0.1276	0.0065	5.094044	0.582	0.034	5.841924	213	0.8562	0.659721	2.793272	273.9941	21.12676
TS16_10_B_21	0.1238	0.009	7.26979	0.577	0.039	6.759099	213	0.8562	0.653517	3.210071	270.7505	26.76336
TS16_10_C_21	0.1225	0.008	6.530612	0.571	0.037	6.47986	213	0.8562	0.646071	3.052549	273.6037	24.93798
TS16_10_D_21	0.1178	0.0062	5.263158	0.57	0.031	5.438596	213	0.8562	0.64483	2.558553	264.2223	19.76836
TS16_10_E_21	0.1071	0.0046	4.295051	0.595	0.023	3.865546	213	0.8562	0.675854	1.880839	219.9968	12.76472
TS16_10_F_21	0.1057	0.0055	5.203406	0.613	0.02	3.262643	213	0.8562	0.698192	1.626	202.4356	12.60628
TS16_10_G_21	0.127	0.0073	5.748031	0.653	0.045	6.891271	213	0.8562	0.747832	3.619281	203.2121	19.05429
TS16_10_H_21	0.163	0.015	9.202454	0.678	0.034	5.014749	213	0.8562	0.778856	2.719944	228.2802	24.7928
TS16_10_I_21	0.209	0.01	4.784689	0.693	0.031	4.473304	213	0.8562	0.797471	2.473114	267.2504	18.75075
TS16_10_J_21	0.242	0.011	4.545455	0.714	0.03	4.201681	213	0.8562	0.823532	2.385377	269.5801	18.11511
TS16_10_K_21	0.254	0.012	4.724409	0.745	0.027	3.624161	213	0.8562	0.862002	2.138542	222.0861	14.38382
TS16_10_L_21	0.269	0.011	4.089219	0.749	0.024	3.204272	213	0.8562	0.866966	1.900137	226.66	12.86542
TS16_10_M_21	0.272	0.011	4.044118	0.748	0.029	3.877005	213	0.8562	0.865725	2.296233	231.2431	14.39121
TS16_10_N_21	0.244	0.011	4.508197	0.718	0.028	3.899721	213	0.8562	0.828496	2.225089	264.2718	17.06599
TS16_10_O_21	0.2409	0.0086	3.569946	0.703	0.028	3.98293	213	0.8562	0.809881	2.230072	288.6824	16.845
TS16_10_P_21	0.245	0.011	4.489796	0.703	0.035	4.978663	213	0.8562	0.809881	2.787591	293.4855	21.45831
TS16_10_Q_21	0.2347	0.0079	3.365999	0.698	0.035	5.014327	213	0.8562	0.803676	2.789858	290.3931	19.3268
TS16_10_R_21	0.2282	0.0072	3.155127	0.691	0.035	5.065123	213	0.8562	0.794989	2.7932	294.7438	19.32021
TS16_10_A_22	0.206	0.019	9.223301	0.664	0.031	4.668675	213	0.8562	0.761482	2.487104	309.2065	33.10664
TS16_10_B_22	0.198	0.023	11.61616	0.657	0.029	4.414003	213	0.8562	0.752795	2.330269	308.0504	39.37188
TS16_10_C_22	0.166	0.012	7.228916	0.57	0.04	7.017544	213	0.8562	0.64483	3.301359	369.2871	37.10357
TS16_10_D_22	0.1663	0.0099	5.953097	0.615	0.041	6.666667	213	0.8562	0.700674	3.331272	313.1579	28.6069
TS16_10_E_22	0.155	0.011	7.096774	0.617	0.04	6.482982	213	0.8562	0.703156	3.248069	289.9836	28.47343
TS16_10_F_22	0.1514	0.0083	5.482166	0.607	0.034	5.601318	213	0.8562	0.690746	2.76938	294.9749	23.47886
TS16_10_G_22	0.1496	0.0073	4.879679	0.638	0.031	4.858934	213	0.8562	0.729217	2.502545	255.9883	18.22821
TS16_10_H_22	0.1569	0.0061	3.887827	0.609	0.02	3.284072	213	0.8562	0.693228	1.628018	303.046	15.71582
TS16_10_I_22	0.1602	0.007	4.369538	0.645	0.039	6.046512	213	0.8562	0.737904	3.142769	265.1428	20.68696
TS16_10_J_22	0.1568	0.0088	5.612245	0.662	0.031	4.682779	213	0.8562	0.759	2.48819	239.1119	18.24618
TS16_10_K_22	0.1613	0.0078	4.83571	0.676	0.038	5.621302	213	0.8562	0.776374	3.041133	228.432	18.04289
TS16_10_L_22	0.1581	0.0069	4.364326	0.734	0.053	7.220708	213	0.8562	0.848351	4.203082	152.7332	14.62239
TS16_10_M_22	0.1633	0.0091	5.572566	0.695	0.04	5.755396	213	0.8562	0.799953	3.190019	207.2228	17.81446
TS16_10_N_22	0.1533	0.0068	4.435747	0.692	0.037	5.346821	213	0.8562	0.79623	2.952294	198.2915	14.85449
TS16_10_O_22	0.1533	0.008	5.218526	0.68	0.039	5.735294	213	0.8562	0.781338	3.118728	212.5465	17.54973
TS16_10_P_22	0.1538	0.007	4.551365	0.673	0.046	6.835067	213	0.8562	0.772651	3.683585	221.5555	19.49003
TS16_10_Q_22	0.151	0.0064	4.238411	0.676	0.032	4.733728	213	0.8562	0.776374	2.560954	214.0847	14.45545

TS16_10_R_22	0.149	0.0034	2.281879	0.663	0.018	2.714932	213	0.8562	0.760241	1.444439	226.2738	8.47236
TS16_10_A_23	0.0567	0.003	5.291005	0.349	0.017	4.87106	213	0.8562	0.370572	1.658855	226.0532	14.35182
TS16_10_B_23	0.0528	0.002	3.787879	0.353	0.015	4.249292	213	0.8562	0.375536	1.456355	209.1205	10.1482
TS16_10_C_23	0.0512	0.0013	2.539063	0.355	0.012	3.380282	213	0.8562	0.378018	1.162204	202.0883	7.062887
TS16_10_D_23	0.05	0.0014	2.8	0.335	0.014	4.179104	213	0.8562	0.353198	1.391555	205.1776	8.225186
TS16_10_E_23	0.0498	0.0013	2.610442	0.303	0.0094	3.10231	213	0.8562	0.313486	0.980003	216.7088	7.190387
TS16_10_F_23	0.0475	0.0014	2.947368	0.289	0.0088	3.044983	213	0.8562	0.296112	0.939418	212.0089	7.529114
TS16_10_G_23	0.0455	0.0014	3.076923	0.2781	0.0079	2.840705	213	0.8562	0.282586	0.860178	207.0647	7.41369
TS16_10_H_23	0.04565	0.00082	1.796276	0.2736	0.0089	3.252924	213	0.8562	0.277001	0.977363	209.3275	5.645805
TS16_10_I_23	0.0465	0.0012	2.580645	0.268	0.01	3.731343	213	0.8562	0.270052	1.110236	215.1765	7.444892
TS16_10_J_23	0.0467	0.0014	2.997859	0.273	0.011	4.029304	213	0.8562	0.276257	1.209373	214.28	8.387205
TS16_10_K_23	0.0489	0.0012	2.453988	0.261	0.01	3.831418	213	0.8562	0.261365	1.126105	228.7333	7.750861
TS16_10_L_23	0.04866	0.00086	1.767365	0.2577	0.0079	3.06558	213	0.8562	0.25727	0.895784	228.8702	5.860558
TS16_10_M_23	0.04957	0.0009	1.815614	0.2519	0.0058	2.302501	213	0.8562	0.250072	0.665918	235.2919	5.393734
TS16_10_N_23	0.0488	0.0013	2.663934	0.256	0.012	4.6875	213	0.8562	0.25516	1.365605	230.1575	8.933507
TS16_10_O_23	0.0476	0.0013	2.731092	0.2666	0.0085	3.188297	213	0.8562	0.268314	0.946338	220.696	7.455976
TS16_10_P_23	0.0469	0.0015	3.198294	0.2794	0.0083	2.970651	213	0.8562	0.284199	0.901544	212.8597	7.940799
TS16_10_Q_23	0.0476	0.0015	3.151261	0.284	0.012	4.225352	213	0.8562	0.289907	1.292495	214.2899	8.874833
TS16_10_R_23	0.0484	0.0019	3.92562	0.281	0.011	3.914591	213	0.8562	0.286185	1.191289	218.9541	10.21914
TS16_10_A_24	0.333	0.016	4.804805	0.773	0.031	4.010349	213	0.8562	0.89675	2.44916	217.9173	15.19
TS16_10_B_24	0.274	0.019	6.934307	0.759	0.031	4.084321	213	0.8562	0.879376	2.451993	209.6149	18.07018
TS16_10_C_24	0.2305	0.0071	3.08026	0.734	0.024	3.269755	213	0.8562	0.848351	1.903282	221.4855	11.02458
TS16_10_D_24	0.2142	0.0051	2.380952	0.73	0.019	2.60274	213	0.8562	0.843387	1.507499	212.7058	8.302617
TS16_10_E_24	0.2063	0.0067	3.247698	0.729	0.023	3.155007	213	0.8562	0.842147	1.825095	206.5829	10.24862
TS16_10_F_24	0.2054	0.0067	3.261928	0.712	0.029	4.073034	213	0.8562	0.82105	2.306537	232.6961	13.37322
TS16_10_G_24	0.208	0.011	5.288462	0.707	0.038	5.374823	213	0.8562	0.814845	3.024633	243.6048	19.91742
TS16_10_H_24	0.2048	0.0081	3.955078	0.715	0.046	6.433566	213	0.8562	0.824773	3.657052	227.2853	19.20718
TS16_10_I_24	0.209	0.0055	2.631579	0.7	0.036	5.142857	213	0.8562	0.806158	2.868624	256.012	16.46358
TS16_10_J_24	0.2042	0.0061	2.987267	0.666	0.031	4.654655	213	0.8562	0.763964	2.486034	303.4518	17.99728
TS16_10_K_24	0.1956	0.0098	5.010225	0.692	0.036	5.202312	213	0.8562	0.79623	2.872503	251.9491	19.55619
TS16_10_L_24	0.195	0.01	5.128205	0.642	0.036	5.607477	213	0.8562	0.734181	2.903199	325.7762	25.83394
TS16_10_M_24	0.189	0.011	5.820106	0.674	0.037	5.489614	213	0.8562	0.773892	2.962286	269.7596	22.83858
TS16_10_N_24	0.1775	0.0085	4.788732	0.668	0.043	6.437126	213	0.8562	0.766446	3.446909	261.8502	22.39287
TS16_10_O_24	0.1737	0.008	4.605642	0.671	0.038	5.663189	213	0.8562	0.770169	3.044205	252.3469	19.61676
TS16_10_P_24	0.1617	0.0086	5.318491	0.708	0.036	5.084746	213	0.8562	0.816086	2.865003	188.9141	14.97023
TS16_10_Q_24	0.1619	0.0082	5.064855	0.695	0.03	4.316547	213	0.8562	0.799953	2.392514	205.4742	14.53111

TS16_10_R_24	0.1548	0.0065	4.198966	0.742	0.042	5.660377	213	0.8562	0.858279	3.327697	139.8948	11.11944
TS16_10_A_25	0.208	0.017	8.173077	0.723	0.026	3.596127	213	0.8562	0.834701	2.064749	217.9173	20.26407
TS16_10_B_25	0.234	0.011	4.700855	0.758	0.03	3.957784	213	0.8562	0.878135	2.373112	181.2561	12.26837
TS16_10_C_25	0.2343	0.0091	3.88391	0.736	0.032	4.347826	213	0.8562	0.850833	2.537111	221.4527	14.38071
TS16_10_D_25	0.2187	0.0081	3.703704	0.748	0.026	3.475936	213	0.8562	0.865725	2.058692	186.5784	10.47532
TS16_10_E_25	0.228	0.011	4.824561	0.727	0.026	3.576341	213	0.8562	0.839665	2.063673	231.453	14.9449
TS16_10_F_25	0.2271	0.0092	4.051079	0.731	0.031	4.240766	213	0.8562	0.844628	2.459299	223.5399	14.4778
TS16_10_G_25	0.252	0.015	5.952381	0.74	0.04	5.405405	213	0.8562	0.855797	3.169938	230.1007	20.33944
TS16_10_H_25	0.317	0.023	7.255521	0.783	0.021	2.681992	213	0.8562	0.90916	1.657949	183.0106	14.79158
TS16_10_I_25	0.349	0.015	4.297994	0.773	0.032	4.139715	213	0.8562	0.89675	2.528165	228.2045	15.39697
TS16_10_J_25	0.3486	0.0083	2.380952	0.791	0.032	4.045512	213	0.8562	0.919088	2.525169	179.3107	10.14427
TS16_10_K_25	0.39	0.017	4.358974	0.81	0.026	3.209877	213	0.8562	0.942666	2.049841	142.5545	8.619693
TS16_10_L_25	0.399	0.02	5.012531	0.78	0.037	4.74359	213	0.8562	0.905437	2.921729	238.7514	18.69847
TS16_10_M_25	0.486	0.049	10.0823	0.791	0.026	3.286979	213	0.8562	0.919088	2.0517	248.6376	27.5349
TS16_10_N_25	0.683	0.041	6.002928	0.805	0.022	2.732919	213	0.8562	0.936461	1.734837	273.8537	19.36768
TS16_10_O_25	0.75	0.037	4.933333	0.795	0.025	3.144654	213	0.8562	0.924052	1.972356	357.1189	23.15241
TS16_10_P_25	0.868	0.049	5.645161	0.822	0.041	4.987835	213	0.8562	0.957558	3.231146	233.2124	20.34559
TS16_10_Q_25	0.908	0.054	5.947137	0.829	0.022	2.6538	213	0.8562	0.966245	1.733482	194.6113	13.58682
TS16_10_R_25	1.151	0.087	7.558645	0.807	0.029	3.593556	213	0.8562	0.938943	2.286637	437.8187	39.89898
TS16_10_A_26	0.1338	0.0071	5.306428	0.734	0.044	5.99455	213	0.8562	0.848351	3.489351	129.4921	11.45719
TS16_10_B_26	0.1387	0.0064	4.614275	0.699	0.025	3.576538	213	0.8562	0.804917	1.992426	172.1091	10.62566
TS16_10_C_26	0.1379	0.0064	4.641044	0.731	0.032	4.377565	213	0.8562	0.844628	2.538632	136.6603	9.493946
TS16_10_D_26	0.1419	0.0075	5.285412	0.718	0.044	6.128134	213	0.8562	0.828496	3.496569	155.0044	13.73742
TS16_10_E_26	0.1424	0.0072	5.05618	0.704	0.041	5.823864	213	0.8562	0.811122	3.264946	171.0937	14.30324
TS16_10_F_26	0.1427	0.0049	3.433777	0.743	0.043	5.787349	213	0.8562	0.85952	3.406557	127.9495	9.851903
TS16_10_G_26	0.16	0.0088	5.5	0.716	0.04	5.586592	213	0.8562	0.826014	3.179592	177.0017	15.07031
TS16_10_H_26	0.1757	0.0098	5.577689	0.754	0.039	5.172414	213	0.8562	0.873171	3.0862	142.0736	11.93954
TS16_10_I_26	0.188	0.013	6.914894	0.727	0.049	6.740028	213	0.8562	0.839665	3.889229	191.4436	20.19203
TS16_10_J_26	0.203	0.011	5.418719	0.751	0.044	5.858855	213	0.8562	0.869448	3.482886	168.6183	15.05966
TS16_10_K_26	0.2042	0.0092	4.505387	0.742	0.039	5.256065	213	0.8562	0.858279	3.090005	183.9067	14.25186
TS16_10_L_26	0.2132	0.0087	4.080675	0.752	0.039	5.18617	213	0.8562	0.870689	3.086799	175.3159	13.13863
TS16_10_M_26	0.216	0.014	6.481481	0.744	0.043	5.77957	213	0.8562	0.860761	3.406189	191.0212	18.20493
TS16_10_N_26	0.205	0.012	5.853659	0.765	0.028	3.660131	213	0.8562	0.886822	2.213549	147.8577	10.96771
TS16_10_O_26	0.205	0.011	5.365854	0.738	0.036	4.878049	213	0.8562	0.853315	2.85359	190.9885	15.16713
TS16_10_P_26	0.196	0.01	5.102041	0.771	0.039	5.058366	213	0.8562	0.894268	3.081671	132.2267	10.67999
TS16_10_Q_26	0.188	0.011	5.851064	0.774	0.044	5.684755	213	0.8562	0.897991	3.475968	122.457	11.22362
TS16_10_R_26	0.187	0.013	6.951872	0.748	0.062	8.28877	213	0.8562	0.865725	4.909188	159.8667	19.44361

TS16_10_A_27	0.327	0.023	7.033639	0.803	0.044	5.479452	213	0.8562	0.93398	3.469983	137.6887	13.73678
TS16_10_B_27	0.327	0.017	5.198777	0.769	0.03	3.90117	213	0.8562	0.891786	2.370887	224.1695	16.0311
TS16_10_C_27	0.309	0.018	5.825243	0.778	0.041	5.269923	213	0.8562	0.902955	3.238037	190.4666	16.81619
TS16_10_D_27	0.281	0.018	6.405694	0.801	0.039	4.868914	213	0.8562	0.931498	3.075951	122.9091	11.01133
TS16_10_E_27	0.273	0.016	5.860806	0.756	0.032	4.232804	213	0.8562	0.875653	2.531788	215.2021	16.92702
TS16_10_F_27	0.275	0.015	5.454545	0.749	0.027	3.604806	213	0.8562	0.866966	2.137654	231.6259	16.32377
TS16_10_G_27	0.301	0.021	6.976744	0.724	0.044	6.077348	213	0.8562	0.835942	3.493729	310.7238	31.35652
TS16_10_H_27	0.288	0.017	5.902778	0.741	0.055	7.422402	213	0.8562	0.857038	4.358179	260.0994	27.88016
TS16_10_I_27	0.295	0.022	7.457627	0.727	0.059	8.115543	213	0.8562	0.839665	4.68295	297.9174	36.40165
TS16_10_J_27	0.345	0.027	7.826087	0.75	0.04	5.333333	213	0.8562	0.868207	3.166576	286.6406	29.44167
TS16_10_K_27	0.38	0.02	5.263158	0.765	0.044	5.751634	213	0.8562	0.886822	3.478434	271.4488	24.14012
TS16_10_L_27	0.36	0.022	6.111111	0.741	0.029	3.91363	213	0.8562	0.857038	2.297949	323.5169	25.31897
TS16_10_M_27	0.35	0.016	4.571429	0.785	0.029	3.694268	213	0.8562	0.911642	2.289256	196.3373	12.88554
TS16_10_N_27	0.397	0.036	9.06801	0.778	0.041	5.269923	213	0.8562	0.902955	3.238037	243.6957	27.61579
TS16_10_O_27	0.471	0.031	6.581741	0.787	0.043	5.463787	213	0.8562	0.914124	3.393995	255.6076	24.60608
TS16_10_P_27	0.469	0.027	5.75693	0.747	0.038	5.087015	213	0.8562	0.864484	3.009168	397.2205	34.03271
TS16_10_Q_27	0.438	0.031	7.077626	0.753	0.032	4.249668	213	0.8562	0.87193	2.532511	351.8307	31.39529
TS16_10_R_27	0.364	0.011	3.021978	0.753	0.028	3.718459	213	0.8562	0.87193	2.215947	293.7209	16.09994
TS16_10_A_28	0.1289	0.0097	7.525213	0.65	0.11	16.92308	213	0.8562	0.744109	8.853425	209.1996	40.78007
TS16_10_B_28	0.1103	0.0065	5.893019	0.584	0.025	4.280822	213	0.8562	0.662203	2.052366	235.8203	17.2264
TS16_10_C_28	0.1005	0.0061	6.069652	0.557	0.03	5.385996	213	0.8562	0.628697	2.489326	236.1746	18.85669
TS16_10_D_28	0.0882	0.0036	4.081633	0.522	0.018	3.448276	213	0.8562	0.585262	1.518494	231.5984	11.98572
TS16_10_E_28	0.0854	0.0036	4.215457	0.524	0.026	4.961832	213	0.8562	0.587744	2.191116	223.0528	13.78563
TS16_10_F_28	0.0852	0.0029	3.403756	0.493	0.019	3.853955	213	0.8562	0.549274	1.629178	242.9194	11.65409
TS16_10_G_28	0.0834	0.0032	3.83693	0.474	0.016	3.375527	213	0.8562	0.525695	1.388649	250.0867	12.06709
TS16_10_H_28	0.082	0.0025	3.04878	0.467	0.019	4.068522	213	0.8562	0.517008	1.656906	250.3862	11.48631
TS16_10_I_28	0.0771	0.0028	3.631647	0.494	0.02	4.048583	213	0.8562	0.550515	1.713888	219.6187	11.14674
TS16_10_J_28	0.0724	0.0025	3.453039	0.487	0.026	5.338809	213	0.8562	0.541828	2.237652	210.3682	12.07609
TS16_10_K_28	0.0733	0.0024	3.274216	0.472	0.026	5.508475	213	0.8562	0.523213	2.259592	221.445	12.56051
TS16_10_L_28	0.0712	0.0034	4.775281	0.463	0.021	4.535637	213	0.8562	0.512044	1.83646	220.1616	13.47845
TS16_10_M_28	0.0618	0.0021	3.398058	0.473	0.019	4.016913	213	0.8562	0.524454	1.650127	186.7215	8.967964
TS16_10_N_28	0.0617	0.0015	2.431118	0.454	0.019	4.185022	213	0.8562	0.500875	1.672436	195.5282	8.203803
TS16_10_O_28	0.0571	0.0021	3.677758	0.428	0.019	4.439252	213	0.8562	0.46861	1.707298	192.6909	9.808708
TS16_10_P_28	0.0584	0.0024	4.109589	0.431	0.017	3.944316	213	0.8562	0.472333	1.523734	195.652	10.15545
TS16_10_Q_28	0.0557	0.0026	4.667864	0.417	0.02	4.796163	213	0.8562	0.454959	1.814466	192.7935	11.56078
TS16_10_R_28	0.0557	0.0019	3.411131	0.431	0.019	4.408353	213	0.8562	0.472333	1.702997	186.7361	9.126676
TS16_10_A_29	0.1567	0.0098	6.253989	0.689	0.037	5.370102	213	0.8562	0.792507	2.95386	206.2643	18.00692

TS16_10_B_29	0.1393	0.0042	3.015075	0.683	0.029	4.245974	213	0.8562	0.785061	2.317734	190.1789	10.66427
TS16_10_C_29	0.134	0.0043	3.208955	0.674	0.028	4.154303	213	0.8562	0.773892	2.24173	192.4158	10.7598
TS16_10_D_29	0.1248	0.0054	4.326923	0.653	0.034	5.206738	213	0.8562	0.747832	2.734568	199.7458	14.13241
TS16_10_E_29	0.1281	0.0049	3.825137	0.653	0.037	5.666156	213	0.8562	0.747832	2.975853	204.9445	14.7158
TS16_10_F_29	0.1248	0.0045	3.605769	0.698	0.027	3.868195	213	0.8562	0.803676	2.152177	156.0413	8.862639
TS16_10_G_29	0.1307	0.006	4.590666	0.686	0.038	5.539359	213	0.8562	0.788784	3.035342	175.5471	13.53028
TS16_10_H_29	0.1527	0.0067	4.387688	0.683	0.041	6.002928	213	0.8562	0.785061	3.276796	208.1808	16.66521
TS16_10_I_29	0.167	0.006	3.592814	0.698	0.041	5.873926	213	0.8562	0.803676	3.26812	207.9621	15.74473
TS16_10_J_29	0.191	0.012	6.282723	0.717	0.036	5.020921	213	0.8562	0.827255	2.861229	209.2617	18.04994
TS16_10_K_29	0.215	0.013	6.046512	0.702	0.03	4.273504	213	0.8562	0.80864	2.389745	259.9104	20.40928
TS16_10_L_29	0.258	0.013	5.03876	0.709	0.03	4.231312	213	0.8562	0.817327	2.38714	296.8754	21.05473
TS16_10_M_29	0.287	0.01	3.484321	0.727	0.034	4.676754	213	0.8562	0.839665	2.698649	290.0173	19.02886
TS16_10_N_29	0.351	0.026	7.407407	0.732	0.036	4.918033	213	0.8562	0.845869	2.855611	339.6432	32.53802
TS16_10_O_29	0.433	0.015	3.464203	0.73	0.031	4.246575	213	0.8562	0.843387	2.459603	422.9675	26.24812
TS16_10_P_29	0.471	0.017	3.609342	0.764	0.026	3.403141	213	0.8562	0.885581	2.055612	338.368	18.97787
TS16_10_Q_29	0.493	0.018	3.651116	0.808	0.038	4.70297	213	0.8562	0.940184	2.996159	187.3497	13.32548
TS16_10_R_29	0.561	0.028	4.991087	0.795	0.025	3.144654	213	0.8562	0.924052	1.972356	268.9724	17.44968
TS16_10_A_30	0.3	0.034	11.33333	0.749	0.05	6.675567	213	0.8562	0.866966	3.958619	252.2759	35.47048
TS16_10_B_30	0.374	0.016	4.278075	0.761	0.042	5.519054	213	0.8562	0.881858	3.321464	278.722	22.46647
TS16_10_C_30	0.363	0.017	4.683196	0.803	0.036	4.483188	213	0.8562	0.93398	2.839077	152.669	11.36097
TS16_10_D_30	0.365	0.015	4.109589	0.748	0.041	5.481283	213	0.8562	0.865725	3.246399	308.4424	24.23154
TS16_10_E_30	0.333	0.024	7.207207	0.767	0.042	5.47588	213	0.8562	0.889304	3.319776	233.3513	23.2439
TS16_10_F_30	0.304	0.017	5.592105	0.788	0.05	6.345178	213	0.8562	0.915365	3.946268	163.7628	16.02349
TS16_10_G_30	0.291	0.014	4.810997	0.775	0.045	5.806452	213	0.8562	0.899232	3.554706	186.313	16.20656
TS16_10_H_30	0.276	0.019	6.884058	0.789	0.036	4.562738	213	0.8562	0.916606	2.841144	146.6942	13.23088
TS16_10_I_30	0.55	0.13	23.63636	0.769	0.021	2.730819	213	0.8562	0.891786	1.659621	372.6918	90.93248
TS16_10_J_30	0.68	0.11	16.17647	0.76	0.031	4.078947	213	0.8562	0.880617	2.451774	503.1644	87.85753
TS16_10_K_30	0.461	0.063	13.66594	0.75	0.032	4.266667	213	0.8562	0.868207	2.53326	380.2244	56.83298
TS16_10_L_30	0.27	0.014	5.185185	0.749	0.03	4.00534	213	0.8562	0.866966	2.375171	227.4879	16.2625
TS16_10_M_30	0.2524	0.0095	3.763867	0.791	0.03	3.792668	213	0.8562	0.919088	2.367346	130.3241	7.957924
TS16_10_N_30	0.262	0.01	3.816794	0.77	0.036	4.675325	213	0.8562	0.893027	2.84484	178.1877	12.3666
TS16_10_O_30	0.295	0.014	4.745763	0.736	0.039	5.298913	213	0.8562	0.850833	3.092104	277.6049	22.075
TS16_10_P_30	0.267	0.014	5.243446	0.734	0.053	7.220708	213	0.8562	0.848351	4.203082	255.8705	25.8083
TS16_10_Q_30	0.254	0.01	3.937008	0.755	0.038	5.033113	213	0.8562	0.874412	3.006781	202.4245	14.76358
TS16_10_R_30	0.377	0.066	17.50663	0.804	0.026	3.233831	213	0.8562	0.935221	2.050352	155.5418	28.24534
TS16_10_A_31	0.216	0.022	10.18519	0.73	0.046	6.30137	213	0.8562	0.843387	3.649734	214.4639	27.26825
TS16_10_B_31	0.1803	0.0083	4.603439	0.702	0.04	5.698006	213	0.8562	0.80864	3.186327	218.6648	17.46142

TS16_10_C_31	0.1886	0.0093	4.931071	0.689	0.03	4.354136	213	0.8562	0.792507	2.395022	247.4577	17.31915
TS16_10_D_31	0.2027	0.0091	4.489393	0.677	0.028	4.135894	213	0.8562	0.777615	2.240393	284.2285	18.40531
TS16_10_E_31	0.1959	0.0069	3.522205	0.704	0.028	3.977273	213	0.8562	0.811122	2.229719	234.2183	13.54033
TS16_10_F_31	0.208	0.01	4.807692	0.723	0.029	4.011065	213	0.8562	0.834701	2.302989	217.9173	14.74008
TS16_10_G_31	0.231	0.013	5.627706	0.759	0.039	5.13834	213	0.8562	0.879376	3.084766	177.1667	14.98241
TS16_10_H_31	0.25	0.011	4.4	0.746	0.036	4.825737	213	0.8562	0.863243	2.851088	216.7137	15.85444
TS16_10_I_31	0.281	0.016	5.69395	0.725	0.034	4.689655	213	0.8562	0.837183	2.699346	288.3865	23.10047
TS16_10_J_31	0.283	0.016	5.65371	0.755	0.05	6.622517	213	0.8562	0.874412	3.956291	225.1368	22.24269
TS16_10_K_31	0.287	0.01	3.484321	0.744	0.026	3.494624	213	0.8562	0.860761	2.059556	252.5943	13.88338
TS16_10_L_31	0.286	0.012	4.195804	0.728	0.039	5.357143	213	0.8562	0.840906	3.095115	286.841	21.89775
TS16_10_M_31	0.2928	0.0066	2.254098	0.733	0.033	4.502046	213	0.8562	0.84711	2.617327	282.3078	16.42626
TS16_10_N_31	0.277	0.01	3.610108	0.746	0.041	5.495979	213	0.8562	0.863243	3.247073	239.6888	18.11893
TS16_10_O_31	0.279	0.014	5.017921	0.76	0.041	5.394737	213	0.8562	0.880617	3.242668	211.2177	17.5826
TS16_10_P_31	0.282	0.018	6.382979	0.776	0.056	7.216495	213	0.8562	0.900473	4.423313	178.4367	19.70733
TS16_10_Q_31	0.295	0.022	7.457627	0.762	0.048	6.299213	213	0.8562	0.883099	3.795627	218.5622	23.61396
TS16_10_R_31	0.276	0.016	5.797101	0.758	0.04	5.277045	213	0.8562	0.878135	3.16415	213.2566	18.58135
TS16_10_A_32	0.23	0.027	11.73913	0.763	0.044	5.76671	213	0.8562	0.88434	3.479024	169.2449	23.35915
TS16_10_B_32	0.206	0.028	13.59223	0.737	0.054	7.327001	213	0.8562	0.852074	4.280878	193.5059	31.47907
TS16_10_C_32	0.1499	0.0085	5.670447	0.661	0.034	5.143722	213	0.8562	0.757759	2.729585	229.9315	18.39883
TS16_10_D_32	0.1323	0.0066	4.988662	0.683	0.036	5.270864	213	0.8562	0.785061	2.877187	180.7549	13.94555
TS16_10_E_32	0.155	0.02	12.90323	0.707	0.038	5.374823	213	0.8562	0.814845	3.024633	182.401	26.31117
TS16_10_F_32	0.129	0.01	7.751938	0.659	0.031	4.704097	213	0.8562	0.755277	2.48985	200.3619	18.72316
TS16_10_G_32	0.1282	0.009	7.020281	0.61	0.046	7.540984	213	0.8562	0.694469	3.74327	247.6803	25.86255
TS16_10_H_32	0.1208	0.0088	7.284768	0.606	0.041	6.765677	213	0.8562	0.689505	3.340612	237.3664	23.856
TS16_10_I_32	0.149	0.016	10.73826	0.668	0.037	5.538922	213	0.8562	0.766446	2.965945	220.5169	27.46188
TS16_10_J_32	0.25	0.062	24.8	0.737	0.035	4.748982	213	0.8562	0.852074	2.774643	234.095	60.30167
TS16_10_K_32	0.158	0.017	10.75949	0.689	0.041	5.950653	213	0.8562	0.792507	3.273196	207.9482	26.56227
TS16_10_L_32	0.1417	0.0081	5.716302	0.63	0.034	5.396825	213	0.8562	0.719289	2.7506	251.4491	20.31068
TS16_10_M_32	0.1349	0.0083	6.152706	0.638	0.053	8.30721	213	0.8562	0.729217	4.278544	231.28	24.77048
TS16_10_N_32	0.1193	0.0069	5.783738	0.601	0.017	2.828619	213	0.8562	0.6833	1.387384	239.0718	15.60525
TS16_10_O_32	0.1061	0.004	3.770028	0.625	0.014	2.24	213	0.8562	0.713084	1.134181	193.3127	8.628485
TS16_10_P_32	0.0985	0.0052	5.279188	0.615	0.034	5.528455	213	0.8562	0.700674	2.762518	187.3155	14.50778
TS16_10_Q_32	0.0922	0.0044	4.772234	0.593	0.045	7.588533	213	0.8562	0.673372	3.682439	191.2684	17.01446
TS16_10_R_32	0.1015	0.0068	6.699507	0.566	0.044	7.773852	213	0.8562	0.639866	3.637335	231.4353	23.26182
TS16_10_A_33	0.267	0.03	11.23596	0.788	0.066	8.375635	213	0.8562	0.915365	5.209073	144.0521	22.28254
TS16_10_B_33	0.224	0.01	4.464286	0.722	0.044	6.094183	213	0.8562	0.83346	3.494657	236.1067	19.91348
TS16_10_C_33	0.233	0.011	4.72103	0.698	0.033	4.727794	213	0.8562	0.803676	2.630438	288.336	20.81034

TS16_10_D_33	0.21	0.017	8.095238	0.702	0.043	6.125356	213	0.8562	0.80864	3.425302	253.9835	27.41393
TS16_10_E_33	0.211	0.01	4.739336	0.716	0.039	5.446927	213	0.8562	0.826014	3.100103	232.4146	18.44237
TS16_10_F_33	0.2004	0.0064	3.193613	0.704	0.028	3.977273	213	0.8562	0.811122	2.229719	239.4998	13.36988
TS16_10_G_33	0.23	0.026	11.30435	0.722	0.03	4.155125	213	0.8562	0.83346	2.382721	242.3136	30.22123
TS16_10_H_33	0.369	0.059	15.98916	0.777	0.047	6.048906	213	0.8562	0.901714	3.712158	229.6561	41.08415
TS16_10_I_33	0.369	0.044	11.92412	0.803	0.04	4.98132	213	0.8562	0.93398	3.15453	155.1623	21.1511
TS16_10_J_33	0.29	0.012	4.137931	0.731	0.045	6.155951	213	0.8562	0.844628	3.569951	284.1073	23.92529
TS16_10_K_33	0.305	0.021	6.885246	0.747	0.034	4.551539	213	0.8562	0.864484	2.692413	261.0859	23.24768
TS16_10_L_33	0.269	0.031	11.52416	0.739	0.033	4.465494	213	0.8562	0.854556	2.615493	247.4029	31.84067
TS16_10_M_33	0.215	0.016	7.44186	0.746	0.047	6.300268	213	0.8562	0.863243	3.722254	186.8089	19.92085
TS16_10_N_33	0.226	0.02	8.849558	0.738	0.046	6.233062	213	0.8562	0.853315	3.646254	210.2375	24.4592
TS16_10_O_33	0.252	0.024	9.52381	0.749	0.037	4.93992	213	0.8562	0.866966	2.929378	212.5693	24.11968
TS16_10_P_33	0.347	0.035	10.08646	0.764	0.021	2.748691	213	0.8562	0.885581	1.660302	250.9941	27.12158
TS16_10_Q_33	0.43	0.14	32.55814	0.764	0.037	4.842932	213	0.8562	0.885581	2.925293	309.6091	104.0722
TS16_10_R_33	0.232	0.027	11.63793	0.751	0.038	5.05992	213	0.8562	0.869448	3.007947	192.3506	25.52868
TS16_10_A_34	0.137	0.042	30.65693	0.654	0.047	7.186544	213	0.8562	0.749073	3.779255	217.8848	69.59587
TS16_10_B_34	0.081	0.0048	5.925926	0.545	0.021	3.853211	213	0.8562	0.613805	1.751807	198.5656	13.86739
TS16_10_C_34	0.0713	0.0037	5.189341	0.522	0.025	4.789272	213	0.8562	0.585262	2.109019	187.8615	12.73528
TS16_10_D_34	0.0648	0.0031	4.783951	0.501	0.026	5.189621	213	0.8562	0.559202	2.218843	181.5529	12.00405
TS16_10_E_34	0.0625	0.0024	3.84	0.518	0.032	6.177606	213	0.8562	0.580298	2.705218	166.9184	11.2093
TS16_10_F_34	0.0615	0.003	4.878049	0.501	0.036	7.185629	213	0.8562	0.559202	3.072244	172.4297	13.69576
TS16_10_G_34	0.0592	0.0025	4.222973	0.516	0.032	6.20155	213	0.8562	0.577816	2.708106	159.1365	11.05596
TS16_10_H_34	0.0609	0.0024	3.940887	0.525	0.024	4.571429	213	0.8562	0.588985	2.021533	159.3725	9.103842
TS16_10_I_34	0.0639	0.0025	3.912363	0.499	0.026	5.210421	213	0.8562	0.55672	2.221436	180.0604	10.80068
TS16_10_J_34	0.0674	0.0042	6.231454	0.487	0.018	3.696099	213	0.8562	0.541828	1.549143	196.0586	13.83884
TS16_10_K_34	0.0696	0.0034	4.885057	0.504	0.016	3.174603	213	0.8562	0.562925	1.363083	193.1792	10.96118
TS16_10_L_34	0.0761	0.0053	6.96452	0.527	0.039	7.40038	213	0.8562	0.591467	3.281655	197.3625	19.15087
TS16_10_M_34	0.0718	0.0033	4.5961	0.51	0.026	5.098039	213	0.8562	0.57037	2.207543	195.8497	12.66091
TS16_10_N_34	0.0712	0.0023	3.230337	0.503	0.023	4.572565	213	0.8562	0.561684	1.960555	198.1051	10.21263
TS16_10_O_34	0.0718	0.0031	4.317549	0.504	0.023	4.563492	213	0.8562	0.562925	1.959431	199.1921	11.7851
TS16_10_P_34	0.0709	0.0038	5.359661	0.502	0.024	4.780876	213	0.8562	0.560443	2.046976	197.8331	13.53521
TS16_10_Q_34	0.0679	0.0039	5.743741	0.479	0.031	6.471816	213	0.8562	0.5319	2.681635	201.7041	16.08132
TS16_10_R_34	0.0645	0.0032	4.96124	0.518	0.037	7.142857	213	0.8562	0.580298	3.127909	172.189	13.91832
TS16_10_A_35	0.23	0.015	6.521739	0.734	0.05	6.811989	213	0.8562	0.848351	3.965172	221.0132	23.04498
TS16_10_B_35	0.203	0.014	6.896552	0.675	0.039	5.777778	213	0.8562	0.775133	3.121784	287.7469	27.31737
TS16_10_C_35	0.182	0.011	6.043956	0.629	0.042	6.677266	213	0.8562	0.718048	3.398736	322.5917	30.01913
TS16_10_D_35	0.1762	0.0073	4.143019	0.647	0.036	5.564142	213	0.8562	0.740386	2.899589	288.3394	20.98248

TS16_10_E_35	0.1758	0.0086	4.891923	0.673	0.023	3.417533	213	0.8562	0.772651	1.841793	252.634	15.75842
TS16_10_F_35	0.1744	0.0067	3.841743	0.664	0.03	4.518072	213	0.8562	0.761482	2.406875	262.7273	16.49406
TS16_10_G_35	0.1712	0.0074	4.32243	0.684	0.034	4.97076	213	0.8562	0.786302	2.716836	231.6308	16.35429
TS16_10_H_35	0.181	0.011	6.077348	0.705	0.043	6.099291	213	0.8562	0.812363	3.423673	215.2995	20.01317
TS16_10_I_35	0.1866	0.008	4.287245	0.673	0.035	5.200594	213	0.8562	0.772651	2.802728	267.8361	19.27058
TS16_10_J_35	0.201	0.012	5.970149	0.666	0.027	4.054054	213	0.8562	0.763964	2.165256	298.8049	22.51732
TS16_10_K_35	0.198	0.016	8.080808	0.714	0.054	7.563025	213	0.8562	0.823532	4.293679	221.3966	26.50515
TS16_10_L_35	0.209	0.012	5.741627	0.666	0.036	5.405405	213	0.8562	0.763964	2.887008	310.4158	25.84319
TS16_10_M_35	0.22	0.011	5	0.671	0.03	4.470939	213	0.8562	0.770169	2.403319	317.9757	22.56722
TS16_10_N_35	0.223	0.012	5.381166	0.666	0.037	5.555556	213	0.8562	0.763964	2.967202	330.6846	27.1248
TS16_10_O_35	0.223	0.013	5.829596	0.663	0.035	5.279035	213	0.8562	0.760241	2.808632	335.7669	27.8423
TS16_10_P_35	0.22	0.011	5	0.675	0.034	5.037037	213	0.8562	0.775133	2.721555	311.2711	23.52766
TS16_10_Q_35	0.226	0.011	4.867257	0.693	0.046	6.637807	213	0.8562	0.797471	3.669782	288.5089	25.93327
TS16_10_R_35	0.2224	0.0087	3.911871	0.708	0.043	6.073446	213	0.8562	0.816086	3.422087	258.4248	20.75266
TS16_10_A_36	0.1245	0.0055	4.417671	0.645	0.035	5.426357	213	0.8562	0.737904	2.820434	206.9938	15.0539
TS16_10_B_36	0.1159	0.0053	4.572908	0.678	0.03	4.424779	213	0.8562	0.778856	2.399951	163.1433	10.94435
TS16_10_C_36	0.1147	0.0053	4.62075	0.627	0.025	3.987241	213	0.8562	0.715566	2.024182	206.9538	12.90722
TS16_10_D_36	0.1099	0.0032	2.911738	0.584	0.022	3.767123	213	0.8562	0.662203	1.806082	234.9805	11.09375
TS16_10_E_36	0.1067	0.0039	3.655108	0.586	0.027	4.607509	213	0.8562	0.664685	2.214944	226.6101	13.23241
TS16_10_F_36	0.104	0.0029	2.788462	0.596	0.028	4.697987	213	0.8562	0.677095	2.288936	212.9284	11.59368
TS16_10_G_36	0.1014	0.0038	3.747535	0.592	0.029	4.898649	213	0.8562	0.672131	2.373952	210.8312	12.95033
TS16_10_H_36	0.1087	0.0048	4.415823	0.591	0.036	6.091371	213	0.8562	0.67089	2.948006	226.5862	16.96549
TS16_10_I_36	0.1118	0.0036	3.220036	0.606	0.016	2.640264	213	0.8562	0.689505	1.303654	219.9801	9.265
TS16_10_J_36	0.1057	0.0064	6.054872	0.61	0.028	4.590164	213	0.8562	0.694469	2.278512	204.8935	15.7572
TS16_10_K_36	0.1103	0.0051	4.623753	0.614	0.031	5.04886	213	0.8562	0.699433	2.519531	210.2488	14.59931
TS16_10_L_36	0.1188	0.006	5.050505	0.614	0.036	5.863192	213	0.8562	0.699433	2.925906	226.17	17.76851
TS16_10_M_36	0.1213	0.0067	5.523495	0.6	0.035	5.833333	213	0.8562	0.682059	2.857325	243.9395	19.7289
TS16_10_N_36	0.088	0.011	12.5	0.545	0.038	6.972477	213	0.8562	0.613805	3.169936	215.4419	30.63336
TS16_10_O_36	0.0637	0.0077	12.08791	0.454	0.026	5.726872	213	0.8562	0.500875	2.288597	201.7681	26.43766
TS16_10_P_36	0.065	0.011	16.92308	0.456	0.033	7.236842	213	0.8562	0.503357	2.900472	204.8134	37.1217
TS16_10_Q_36	0.097	0.019	19.58763	0.552	0.057	10.32609	213	0.8562	0.622492	4.73999	231.8373	51.16492
TS16_10_R_36	0.1019	0.0074	7.262022	0.578	0.04	6.920415	213	0.8562	0.654758	3.291129	222.8881	22.18948
TS16_10_A_37	0.23	0.01	4.347826	0.773	0.028	3.622251	213	0.8562	0.89675	2.212144	151.2969	9.489047
TS16_10_B_37	0.25	0.016	6.4	0.763	0.038	4.980341	213	0.8562	0.88434	3.004612	183.754	16.34314
TS16_10_C_37	0.283	0.013	4.59364	0.793	0.041	5.17024	213	0.8562	0.92157	3.235012	141.5184	11.34354
TS16_10_D_37	0.319	0.021	6.583072	0.778	0.037	4.755784	213	0.8562	0.902955	2.922131	196.5375	17.54368
TS16_10_E_37	0.353	0.017	4.815864	0.766	0.031	4.046997	213	0.8562	0.888063	2.450512	249.8183	17.47859

TS16_10_F_37	0.364	0.019	5.21978	0.765	0.025	3.267974	213	0.8562	0.886822	1.976383	260.2469	17.36503
TS16_10_G_37	0.344	0.022	6.395349	0.791	0.037	4.677623	213	0.8562	0.919088	2.919727	176.9768	15.52023
TS16_10_H_37	0.334	0.014	4.191617	0.768	0.034	4.427083	213	0.8562	0.890545	2.68722	231.4623	16.04252
TS16_10_I_37	0.336	0.015	4.464286	0.789	0.031	3.929024	213	0.8562	0.916606	2.446541	178.1473	11.95323
TS16_10_J_37	0.329	0.015	4.559271	0.768	0.046	5.989583	213	0.8562	0.890545	3.63565	228.0578	19.89261
TS16_10_K_37	0.33	0.011	3.333333	0.776	0.032	4.123711	213	0.8562	0.900473	2.527607	208.3231	12.80783
TS16_10_L_37	0.34	0.016	4.705882	0.751	0.029	3.861518	213	0.8562	0.869448	2.295538	279.9722	18.78478
TS16_10_M_37	0.337	0.017	5.04451	0.742	0.029	3.908356	213	0.8562	0.858279	2.297696	300.7537	20.97505
TS16_10_N_37	0.321	0.018	5.607477	0.781	0.037	4.737516	213	0.8562	0.906678	2.921532	190.2755	15.62014
TS16_10_O_37	0.312	0.016	5.128205	0.799	0.044	5.506884	213	0.8562	0.929016	3.470638	141.2116	12.3095
TS16_10_P_37	0.304	0.014	4.605263	0.78	0.053	6.794872	213	0.8562	0.905437	4.185179	182.7027	17.68013
TS16_10_Q_37	0.3016	0.0072	2.387268	0.795	0.05	6.289308	213	0.8562	0.924052	3.944711	145.996	12.15983
TS16_10_R_37	0.288	0.011	3.819444	0.758	0.051	6.728232	213	0.8562	0.878135	4.034291	222.3705	20.16565
TS16_10_A_38	0.211	0.0091	4.312796	0.653	0.022	3.369066	213	0.8562	0.747832	1.769426	334.1841	19.10703
TS16_10_B_38	0.1879	0.0091	4.843002	0.713	0.045	6.31136	213	0.8562	0.822291	3.578585	211.7401	18.57508
TS16_10_C_38	0.1713	0.0064	3.736135	0.685	0.045	6.569343	213	0.8562	0.787543	3.595145	230.4416	18.98252
TS16_10_D_38	0.1722	0.0078	4.529617	0.687	0.046	6.695779	213	0.8562	0.790025	3.673691	228.9723	20.08743
TS16_10_E_38	0.1846	0.0099	5.362947	0.742	0.036	4.851752	213	0.8562	0.858279	2.852312	166.4804	13.19116
TS16_10_F_38	0.214	0.014	6.542056	0.742	0.03	4.043127	213	0.8562	0.858279	2.376927	192.6022	15.79116
TS16_10_G_38	0.245	0.012	4.897959	0.769	0.045	5.851756	213	0.8562	0.891786	3.55633	168.6838	14.74287
TS16_10_H_38	0.288	0.016	5.555556	0.802	0.038	4.738155	213	0.8562	0.932739	2.99694	123.6813	10.19746
TS16_10_I_38	0.329	0.022	6.68693	0.785	0.033	4.203822	213	0.8562	0.911642	2.605015	184.7242	15.86604
TS16_10_J_38	0.338	0.022	6.508876	0.773	0.05	6.468305	213	0.8562	0.89675	3.950258	221.1338	22.9878
TS16_10_K_38	0.356	0.018	5.05618	0.739	0.044	5.953992	213	0.8562	0.854556	3.487325	325.4279	28.68992
TS16_10_L_38	0.36	0.016	4.444444	0.774	0.037	4.780362	213	0.8562	0.897991	2.922973	232.4902	17.36131
TS16_10_M_38	0.355	0.018	5.070423	0.78	0.044	5.641026	213	0.8562	0.905437	3.474488	212.8526	18.58877
TS16_10_N_38	0.33	0.016	4.848485	0.792	0.038	4.79798	213	0.8562	0.920329	2.99847	167.2964	13.05712
TS16_10_O_38	0.311	0.015	4.823151	0.808	0.055	6.806931	213	0.8562	0.940184	4.336547	118.8185	11.88989
TS16_10_P_38	0.277	0.022	7.942238	0.773	0.041	5.30401	213	0.8562	0.89675	3.239211	181.7819	18.869
TS16_10_Q_38	0.285	0.016	5.614035	0.728	0.028	3.846154	213	0.8562	0.840906	2.222134	285.86	20.89494
TS16_10_R_38	0.261	0.018	6.896552	0.764	0.03	3.926702	213	0.8562	0.885581	2.371859	189.693	16.09407
TS16_10_A_39	1.84	0.77	41.84783	0.845	0.052	6.153846	213	0.8562	0.986101	4.096313	162.7894	69.92036
TS16_10_B_39	0.422	0.051	12.08531	0.81	0.058	7.160494	213	0.8562	0.942666	4.572722	154.1126	23.59496
TS16_10_C_39	0.269	0.02	7.434944	0.79	0.029	3.670886	213	0.8562	0.917847	2.288566	140.9095	12.42612
TS16_10_D_39	0.237	0.02	8.438819	0.814	0.048	5.896806	213	0.8562	0.94763	3.783762	79.51788	9.062757
TS16_10_E_39	0.199	0.026	13.06533	0.764	0.054	7.068063	213	0.8562	0.885581	4.269347	145.1347	22.86905
TS16_10_F_39	0.1613	0.009	5.579665	0.707	0.017	2.404526	213	0.8562	0.814845	1.353125	189.7066	11.9281

TS16_10_G_39	0.1498	0.0088	5.874499	0.688	0.035	5.087209	213	0.8562	0.791266	2.794694	198.4815	16.32391
TS16_10_H_39	0.142	0.0091	6.408451	0.662	0.042	6.344411	213	0.8562	0.759	3.371096	216.9179	20.48823
TS16_10_I_39	0.1398	0.008	5.722461	0.722	0.059	8.171745	213	0.8562	0.83346	4.686018	148.3671	16.46004
TS16_10_J_39	0.1287	0.0067	5.205905	0.742	0.052	7.008086	213	0.8562	0.858279	4.120006	116.5196	11.44997
TS16_10_K_39	0.1321	0.0038	2.876609	0.713	0.047	6.591865	213	0.8562	0.822291	3.737633	149.5831	12.10979
TS16_10_L_39	0.1292	0.0064	4.95356	0.694	0.029	4.178674	213	0.8562	0.798712	2.313159	165.5052	11.3531
TS16_10_M_39	0.126	0.0092	7.301587	0.675	0.047	6.962963	213	0.8562	0.775133	3.762149	180.108	19.12161
TS16_10_N_39	0.1248	0.0064	5.128205	0.665	0.045	6.766917	213	0.8562	0.762723	3.609533	188.1202	16.88162
TS16_10_O_39	0.1229	0.0056	4.55655	0.677	0.044	6.499261	213	0.8562	0.777615	3.520617	173.8228	14.75987
TS16_10_P_39	0.1187	0.0047	3.959562	0.707	0.038	5.374823	213	0.8562	0.814845	3.024633	140.1443	10.23513
TS16_10_Q_39	0.1236	0.0079	6.391586	0.691	0.035	5.065123	213	0.8562	0.794989	2.7932	161.3127	13.85144
TS16_10_R_39	0.1267	0.0066	5.209155	0.65	0.049	7.538462	213	0.8562	0.744109	3.943798	205.6855	19.72568
TS16_10_A_40	0.292	0.018	6.164384	0.717	0.046	6.415621	213	0.8562	0.827255	3.656015	317.2324	31.02347
TS16_10_B_40	0.293	0.019	6.484642	0.763	0.038	4.980341	213	0.8562	0.88434	3.004612	214.8384	19.2848
TS16_10_C_40	0.297	0.016	5.387205	0.746	0.021	2.815013	213	0.8562	0.863243	1.663135	256.6547	16.55626
TS16_10_D_40	0.298	0.014	4.697987	0.758	0.026	3.430079	213	0.8562	0.878135	2.056697	229.9556	14.60171
TS16_10_E_40	0.312	0.014	4.487179	0.791	0.032	4.045512	213	0.8562	0.919088	2.525169	160.7172	10.98484
TS16_10_F_40	0.333	0.017	5.105105	0.751	0.037	4.926764	213	0.8562	0.869448	2.92879	274.329	21.73879
TS16_10_G_40	0.336	0.01	2.97619	0.77	0.037	4.805195	213	0.8562	0.893027	2.923863	227.6362	15.18536
TS16_10_H_40	0.346	0.021	6.069364	0.766	0.044	5.744125	213	0.8562	0.888063	3.478145	244.9573	23.00815
TS16_10_I_40	0.365	0.028	7.671233	0.785	0.051	6.496815	213	0.8562	0.911642	4.025933	204.6196	23.07974
TS16_10_J_40	0.372	0.017	4.569892	0.801	0.041	5.118602	213	0.8562	0.931498	3.233692	162.2152	12.99575
TS16_10_K_40	0.377	0.014	3.713528	0.795	0.038	4.779874	213	0.8562	0.924052	2.997981	181.9841	13.00472
TS16_10_L_40	0.381	0.01	2.624672	0.789	0.023	2.915082	213	0.8562	0.916606	1.815175	201.6368	9.169095
TS16_10_M_40	0.351	0.014	3.988604	0.792	0.032	4.040404	213	0.8562	0.920329	2.525027	177.7971	11.59044
TS16_10_N_40	0.375	0.024	6.4	0.79	0.023	2.911392	213	0.8562	0.917847	1.81507	195.6001	14.59599
TS16_10_O_40	0.47	0.042	8.93617	0.808	0.027	3.341584	213	0.8562	0.940184	2.12885	178.7293	17.9144
TS16_10_P_40	0.408	0.047	11.51961	0.808	0.046	5.693069	213	0.8562	0.940184	3.62693	155.4341	21.38125
TS16_10_Q_40	0.299	0.017	5.685619	0.769	0.052	6.762029	213	0.8562	0.891786	4.109537	205.2768	20.81181
TS16_10_R_40	0.281	0.016	5.69395	0.781	0.042	5.377721	213	0.8562	0.906678	3.316334	166.8693	14.76035
TS16_10_A_41	0.279	0.055	19.71326	0.731	0.028	3.830369	213	0.8562	0.844628	2.221303	273.5562	56.22307
TS16_10_B_41	0.212	0.02	9.433962	0.686	0.041	5.976676	213	0.8562	0.788784	3.274974	282.3801	33.06673
TS16_10_C_41	0.191	0.012	6.282723	0.643	0.03	4.66563	213	0.8562	0.735422	2.418723	317.8021	25.77929
TS16_10_D_41	0.1743	0.0082	4.704532	0.669	0.028	4.185351	213	0.8562	0.767687	2.244028	255.8825	16.94965
TS16_10_E_41	0.1699	0.0084	4.944085	0.712	0.022	3.089888	213	0.8562	0.82105	1.749787	193.0741	11.86107
TS16_10_F_41	0.1636	0.0082	5.012225	0.701	0.028	3.994294	213	0.8562	0.807399	2.230789	199.9891	13.6158
TS16_10_G_41	0.1596	0.0082	5.137845	0.718	0.025	3.481894	213	0.8562	0.828496	1.986687	174.0801	11.45039

TS16_10_H_41	0.1622	0.0074	4.562269	0.679	0.021	3.092784	213	0.8562	0.780097	1.679639	225.9266	13.0139
TS16_10_I_41	0.1644	0.009	5.474453	0.652	0.026	3.98773	213	0.8562	0.746591	2.091632	263.1174	18.4768
TS16_10_J_41	0.1673	0.0068	4.064555	0.659	0.027	4.097117	213	0.8562	0.755277	2.168579	258.6698	15.66901
TS16_10_K_41	0.1721	0.007	4.067403	0.656	0.035	5.335366	213	0.8562	0.751554	2.813037	269.9025	19.10707
TS16_10_L_41	0.1752	0.0096	5.479452	0.663	0.035	5.279035	213	0.8562	0.760241	2.808632	265.2533	21.2141
TS16_10_M_41	0.1683	0.0067	3.980986	0.673	0.024	3.566122	213	0.8562	0.772651	1.92187	242.0559	13.63504
TS16_10_N_41	0.1671	0.0089	5.326152	0.664	0.023	3.463855	213	0.8562	0.761482	1.845271	251.9421	16.62714
TS16_10_O_41	0.1676	0.0081	4.832936	0.657	0.024	3.652968	213	0.8562	0.752795	1.928499	261.6998	16.49362
TS16_10_P_41	0.1703	0.0066	3.875514	0.69	0.026	3.768116	213	0.8562	0.793748	2.075316	222.5425	12.84533
TS16_10_Q_41	0.1648	0.0077	4.67233	0.703	0.03	4.267425	213	0.8562	0.809881	2.389363	198.8771	13.48465
TS16_10_R_41	0.1654	0.0085	5.139057	0.673	0.022	3.268945	213	0.8562	0.772651	1.761715	237.9611	15.08658
TS16_10_A_42	0.285	0.023	8.070175	0.731	0.034	4.651163	213	0.8562	0.844628	2.697296	279.3134	27.65005
TS16_10_B_42	0.239	0.012	5.020921	0.709	0.029	4.090268	213	0.8562	0.817327	2.307569	275.4728	19.16525
TS16_10_C_42	0.216	0.012	5.555556	0.705	0.028	3.971631	213	0.8562	0.812363	2.229369	256.115	18.58486
TS16_10_D_42	0.183	0.011	6.010929	0.726	0.03	4.132231	213	0.8562	0.838424	2.381467	187.847	14.60179
TS16_10_E_42	0.1734	0.0067	3.863899	0.712	0.038	5.337079	213	0.8562	0.82105	3.022359	196.9913	14.33464
TS16_10_F_42	0.1651	0.0078	4.724409	0.678	0.027	3.982301	213	0.8562	0.778856	2.159956	231.1691	15.0497
TS16_10_G_42	0.155	0.0064	4.129032	0.681	0.03	4.405286	213	0.8562	0.782579	2.398563	213.6652	13.73571
TS16_10_H_42	0.1581	0.0053	3.352309	0.691	0.027	3.907381	213	0.8562	0.794989	2.154755	205.628	11.39785
TS16_10_I_42	0.1676	0.0061	3.639618	0.658	0.028	4.255319	213	0.8562	0.754036	2.249404	260.4123	15.35952
TS16_10_J_42	0.1652	0.0079	4.782082	0.668	0.023	3.443114	213	0.8562	0.766446	1.843695	244.0441	15.00198
TS16_10_K_42	0.1749	0.0063	3.602058	0.704	0.026	3.693182	213	0.8562	0.811122	2.070453	209.5141	11.67717
TS16_10_L_42	0.1893	0.0098	5.176968	0.674	0.026	3.857567	213	0.8562	0.773892	2.081606	270.179	18.30421
TS16_10_M_42	0.201	0.0091	4.527363	0.648	0.019	2.932099	213	0.8562	0.741627	1.529966	326.3786	18.26808
TS16_10_N_42	0.2057	0.009	4.375304	0.671	0.026	3.874814	213	0.8562	0.770169	2.082877	297.7771	18.3852
TS16_10_O_42	0.2118	0.007	3.305005	0.683	0.031	4.538799	213	0.8562	0.785061	2.477578	286.9831	17.4559
TS16_10_P_42	0.2081	0.0094	4.517059	0.671	0.052	7.749627	213	0.8562	0.770169	4.165754	301.1715	29.15394
TS16_10_Q_42	0.205	0.011	5.365854	0.687	0.049	7.13246	213	0.8562	0.790025	3.913279	271.6789	26.27784
TS16_10_R_42	0.198	0.0086	4.343434	0.709	0.04	5.641749	213	0.8562	0.817327	3.182854	229.0446	17.94328
TS16_10_A_43	0.303	0.02	6.60066	0.837	0.036	4.301075	213	0.8562	0.976173	2.836183	46.3731	4.04919
TS16_10_B_43	0.283	0.015	5.300353	0.8	0.046	5.75	213	0.8562	0.930257	3.628218	125.9961	11.42335
TS16_10_C_43	0.298	0.018	6.040268	0.786	0.06	7.633588	213	0.8562	0.912883	4.736097	165.2195	18.77363
TS16_10_D_43	0.319	0.014	4.388715	0.772	0.055	7.124352	213	0.8562	0.895509	4.345612	211.3725	20.8874
TS16_10_E_43	0.328	0.015	4.573171	0.775	0.053	6.83871	213	0.8562	0.899232	4.186653	209.6211	20.29618
TS16_10_F_43	0.363	0.024	6.61157	0.793	0.039	4.918033	213	0.8562	0.92157	3.077207	180.9668	16.55651
TS16_10_G_43	0.361	0.021	5.817175	0.83	0.046	5.542169	213	0.8562	0.967486	3.624474	75.22417	7.02879
TS16_10_H_43	0.404	0.024	5.940594	0.789	0.044	5.576679	213	0.8562	0.916606	3.47251	213.6095	19.81863

TS16_10_I_43	0.437	0.031	7.093822	0.808	0.049	6.064356	213	0.8562	0.940184	3.863469	166.3407	17.65104
TS16_10_J_43	0.463	0.033	7.12743	0.853	0.042	4.923798	213	0.8562	0.996029	3.308412	11.84179	1.152612
TS16_10_K_43	0.514	0.045	8.754864	0.799	0.041	5.131414	213	0.8562	0.929016	3.234003	231.0146	25.55118
TS16_10_L_43	0.504	0.039	7.738095	0.839	0.03	3.575685	213	0.8562	0.978655	2.363417	68.97928	6.285272
TS16_10_M_43	0.533	0.023	4.315197	0.809	0.037	4.573548	213	0.8562	0.941425	2.917196	198.1808	14.5884
TS16_10_N_43	0.515	0.027	5.242718	0.86	0.045	5.232558	213	0.8562	1.004716	3.544732	-15.6749	-1.38059
TS16_10_O_43	0.517	0.034	6.576402	0.857	0.047	5.484247	213	0.8562	1.000993	3.702257	-3.30961	-0.32769
TS16_10_P_43	0.538	0.036	6.69145	0.857	0.053	6.184364	213	0.8562	1.000993	4.174885	-3.44408	-0.36844
TS16_10_Q_43	0.614	0.049	7.980456	0.79	0.032	4.050633	213	0.8562	0.917847	2.525314	317.2355	30.63749
TS16_10_R_43	0.673	0.049	7.280832	0.797	0.032	4.015056	213	0.8562	0.926534	2.524353	311.1004	28.17781
TS16_10_A_44	0.222	0.011	4.954955	0.795	0.044	5.534591	213	0.8562	0.924052	3.471346	107.7839	9.264067
TS16_10_B_44	0.21	0.011	5.238095	0.768	0.051	6.640625	213	0.8562	0.890545	4.03083	146.4971	14.22969
TS16_10_C_44	0.2226	0.009	4.043127	0.769	0.049	6.371912	213	0.8562	0.891786	3.872449	153.4433	13.55248
TS16_10_D_44	0.218	0.011	5.045872	0.782	0.05	6.393862	213	0.8562	0.907919	3.947755	128.1217	12.11392
TS16_10_E_44	0.2256	0.0092	4.078014	0.747	0.029	3.882195	213	0.8562	0.864484	2.29647	194.1294	12.09361
TS16_10_F_44	0.2275	0.0078	3.428571	0.727	0.018	2.475928	213	0.8562	0.839665	1.428697	230.9544	10.48621
TS16_10_G_44	0.234	0.012	5.128205	0.716	0.033	4.608939	213	0.8562	0.826014	2.623164	257.2497	19.22574
TS16_10_H_44	0.2149	0.0069	3.210796	0.778	0.024	3.084833	213	0.8562	0.902955	1.895437	133.0573	6.675373
TS16_10_I_44	0.234	0.015	6.410256	0.721	0.039	5.409154	213	0.8562	0.832219	3.097955	248.2497	22.52421
TS16_10_J_44	0.269	0.018	6.69145	0.744	0.04	5.376344	213	0.8562	0.860761	3.168548	237.0398	22.21383
TS16_10_K_44	0.3	0.012	4	0.738	0.034	4.607046	213	0.8562	0.853315	2.695057	277.6125	19.01284
TS16_10_L_44	0.309	0.016	5.177994	0.762	0.017	2.230971	213	0.8562	0.883099	1.344284	228.7528	13.57164
TS16_10_M_44	0.334	0.012	3.592814	0.783	0.033	4.214559	213	0.8562	0.90916	2.605348	192.6798	12.36744
TS16_10_N_44	0.345	0.013	3.768116	0.754	0.031	4.111406	213	0.8562	0.873171	2.453134	276.0722	17.42602
TS16_10_O_44	13.6	9.1	66.91176	0.793	0.034	4.287516	213	0.8562	0.92157	2.682693	4679.647	3481.064
TS16_10_P_44	2.8	2.7	96.42857	0.735	0.037	5.034014	213	0.8562	0.849592	2.933879	2265.658	2200.511
TS16_10_Q_44	1.57	0.53	33.75796	0.808	0.02	2.475248	213	0.8562	0.940184	1.576926	578.6225	202.0558
TS16_10_R_44	0.837	0.093	11.11111	0.81	0.039	4.814815	213	0.8562	0.942666	3.074761	302.1585	39.16644
TS16_10_A_45	0.283	0.028	9.893993	0.794	0.057	7.178841	213	0.8562	0.922811	4.497211	139.3032	18.80187
TS16_10_B_45	0.427	0.048	11.24122	0.796	0.057	7.160804	213	0.8562	0.925293	4.496735	202.4291	29.5365
TS16_10_C_45	0.499	0.035	7.014028	0.79	0.054	6.835443	213	0.8562	0.917847	4.261468	258.9944	29.104
TS16_10_D_45	0.553	0.031	5.605787	0.847	0.08	9.4451	213	0.8562	0.988583	6.301919	40.57241	5.61187
TS16_10_E_45	0.609	0.041	6.732348	0.842	0.07	8.313539	213	0.8562	0.982378	5.514433	68.81306	8.932988
TS16_10_F_45	0.653	0.055	8.422665	0.768	0.038	4.947917	213	0.8562	0.890545	3.003363	445.0307	47.49009
TS16_10_G_45	0.656	0.057	8.689024	0.786	0.058	7.379135	213	0.8562	0.912883	4.578227	358.2632	46.33686
TS16_10_H_45	0.605	0.049	8.099174	0.876	0.032	3.652968	213	0.8562	1.024572	2.521056	-96.5504	-9.14916
TS16_10_I_45	0.634	0.045	7.097792	0.828	0.051	6.15942	213	0.8562	0.965004	4.018616	141.4652	15.3183

TS16_10_J_45	0.705	0.056	7.943262	0.769	0.047	6.111834	213	0.8562	0.891786	3.71439	473.9453	53.2666
TS16_10_K_45	0.714	0.038	5.322129	0.804	0.056	6.965174	213	0.8562	0.935221	4.416144	291.4733	30.67306
TS16_10_L_45	0.688	0.032	4.651163	0.78	0.055	7.051282	213	0.8562	0.905437	4.34311	406.3216	41.19207
TS16_10_M_45	0.702	0.042	5.982906	0.75	0.044	5.866667	213	0.8562	0.868207	3.483233	570.4149	54.53702
TS16_10_N_45	0.721	0.052	7.212205	0.787	0.054	6.861499	213	0.8562	0.914124	4.262226	387.272	44.41522
TS16_10_O_45	0.702	0.044	6.267806	0.777	0.026	3.346203	213	0.8562	0.901714	2.053534	430.1093	33.24416
TS16_10_P_45	0.689	0.033	4.78955	0.822	0.058	7.055961	213	0.8562	0.957558	4.570889	185.8047	19.42563
TS16_10_Q_45	0.66	0.053	8.030303	0.833	0.058	6.962785	213	0.8562	0.971209	4.569716	121.3454	14.88567
TS16_10_R_45	0.671	0.044	6.557377	0.802	0.045	5.610973	213	0.8562	0.932739	3.549008	284.5681	28.05376
TS16_10_A_46	0.1534	0.0047	3.063885	0.689	0.029	4.208999	213	0.8562	0.792507	2.315187	201.9878	11.38242
TS16_10_B_46	0.1323	0.0087	6.575964	0.677	0.029	4.283604	213	0.8562	0.777615	2.320407	186.9267	15.24725
TS16_10_C_46	0.1083	0.0031	2.862419	0.619	0.029	4.684976	213	0.8562	0.705638	2.353453	202.3001	11.31137
TS16_10_D_46	0.1017	0.003	2.949853	0.616	0.027	4.383117	213	0.8562	0.701915	2.193103	192.521	10.32163
TS16_10_E_46	0.1007	0.0035	3.47567	0.596	0.035	5.872483	213	0.8562	0.677095	2.86117	206.279	14.01884
TS16_10_F_46	0.1051	0.0025	2.378687	0.596	0.026	4.362416	213	0.8562	0.677095	2.125441	215.1434	10.64801
TS16_10_G_46	0.1041	0.0027	2.59366	0.611	0.021	3.436989	213	0.8562	0.69571	1.708352	201.0329	8.753498
TS16_10_H_46	0.1053	0.0035	3.323837	0.609	0.027	4.433498	213	0.8562	0.693228	2.197824	204.9464	11.46557
TS16_10_I_46	0.1097	0.0034	3.099362	0.607	0.031	5.107084	213	0.8562	0.690746	2.525023	215.0677	12.94533
TS16_10_J_46	0.1126	0.0063	5.595027	0.639	0.033	5.164319	213	0.8562	0.730458	2.663309	192.7413	15.0966
TS16_10_K_46	0.1156	0.0049	4.238754	0.634	0.026	4.100946	213	0.8562	0.724253	2.101123	202.2812	12.25342
TS16_10_L_46	0.1254	0.0045	3.588517	0.613	0.027	4.404568	213	0.8562	0.698192	2.1951	239.472	13.81911
TS16_10_M_46	0.1272	0.0043	3.380503	0.623	0.024	3.852327	213	0.8562	0.710602	1.94542	233.0384	12.21957
TS16_10_N_46	0.1203	0.0047	3.906899	0.635	0.03	4.724409	213	0.8562	0.725494	2.423727	209.4411	13.2401
TS16_10_O_46	0.1182	0.0034	2.876481	0.611	0.027	4.418985	213	0.8562	0.69571	2.196453	227.7863	12.16314
TS16_10_P_46	0.1173	0.0045	3.836317	0.614	0.017	2.76873	213	0.8562	0.699433	1.381678	223.3633	10.73663
TS16_10_Q_46	0.1121	0.005	4.460303	0.637	0.022	3.453689	213	0.8562	0.727976	1.776463	193.6388	11.19988
TS16_10_R_46	0.1236	0.009	7.281553	0.664	0.032	4.819277	213	0.8562	0.761482	2.567333	187.2978	16.91059
TS16_10_A_47	0.1138	0.0062	5.448155	0.646	0.033	5.108359	213	0.8562	0.739145	2.658609	188.5786	14.55178
TS16_10_B_47	0.1097	0.004	3.646308	0.644	0.019	2.950311	213	0.8562	0.736663	1.531474	183.5856	8.862037
TS16_10_C_47	0.1111	0.0044	3.960396	0.64	0.031	4.84375	213	0.8562	0.731699	2.501252	189.3482	12.24875
TS16_10_D_47	0.1155	0.0037	3.203463	0.643	0.03	4.66563	213	0.8562	0.735422	2.418723	194.0447	11.41948
TS16_10_E_47	0.117	0.0055	4.700855	0.664	0.032	4.819277	213	0.8562	0.761482	2.567333	177.4328	12.51144
TS16_10_F_47	0.1222	0.0042	3.436989	0.694	0.033	4.755043	213	0.8562	0.798712	2.632216	156.6463	9.961377
TS16_10_G_47	0.1272	0.0055	4.323899	0.688	0.041	5.959302	213	0.8562	0.791266	3.273784	168.9257	13.41589
TS16_10_H_47	0.1412	0.0086	6.090652	0.655	0.037	5.648855	213	0.8562	0.750314	2.974468	223.3585	19.32074
TS16_10_I_47	0.1514	0.0058	3.830911	0.675	0.029	4.296296	213	0.8562	0.775133	2.321326	215.8139	13.19652
TS16_10_J_47	0.1529	0.0051	3.335513	0.661	0.027	4.08472	213	0.8562	0.757759	2.167612	234.4505	13.04705

TS16_10_K_47	0.1555	0.0059	3.794212	0.654	0.034	5.198777	213	0.8562	0.749073	2.733929	246.7508	16.71874
TS16_10_L_47	0.157	0.011	7.006369	0.699	0.051	7.296137	213	0.8562	0.804917	4.06455	194.4778	21.15423
TS16_10_M_47	0.1575	0.0097	6.15873	0.716	0.05	6.98324	213	0.8562	0.826014	3.974491	174.2731	17.7389
TS16_10_N_47	0.166	0.0089	5.361446	0.657	0.032	4.870624	213	0.8562	0.752795	2.571332	259.2511	19.62275
TS16_10_O_47	0.166	0.011	6.626506	0.672	0.042	6.25	213	0.8562	0.77141	3.363958	240.088	23.05837
TS16_10_P_47	0.1526	0.0072	4.718218	0.695	0.044	6.330935	213	0.8562	0.799953	3.509021	193.8469	16.62042
TS16_10_Q_47	0.1482	0.0088	5.937922	0.732	0.047	6.420765	213	0.8562	0.845869	3.728159	145.5934	14.02034
TS16_10_R_47	0.1524	0.0078	5.11811	0.721	0.039	5.409154	213	0.8562	0.832219	3.097955	162.7619	13.2332
TS16_10_A_48	0.1451	0.0071	4.893177	0.645	0.049	7.596899	213	0.8562	0.737904	3.948608	240.6115	22.73574
TS16_10_B_48	0.127	0.0061	4.80315	0.605	0.03	4.958678	213	0.8562	0.688264	2.445135	250.2939	17.47027
TS16_10_C_48	0.1103	0.004	3.626473	0.609	0.033	5.418719	213	0.8562	0.693228	2.68623	214.5177	14.12322
TS16_10_D_48	0.1026	0.0043	4.191033	0.626	0.035	5.591054	213	0.8562	0.714325	2.834651	186.23	13.30739
TS16_10_E_48	0.1024	0.0033	3.222656	0.634	0.027	4.258675	213	0.8562	0.724253	2.181936	179.5018	9.86697
TS16_10_F_48	0.1009	0.0032	3.171457	0.597	0.033	5.527638	213	0.8562	0.678336	2.69676	205.9004	13.07756
TS16_10_G_48	0.1077	0.0062	5.756732	0.623	0.031	4.975923	213	0.8562	0.710602	2.512834	197.8553	15.3359
TS16_10_H_48	0.1277	0.0055	4.306969	0.629	0.029	4.610493	213	0.8562	0.718048	2.346746	228.0242	14.76851
TS16_10_I_48	0.1431	0.0071	4.961565	0.653	0.041	6.278714	213	0.8562	0.747832	3.297567	228.5221	19.1698
TS16_10_J_48	0.1615	0.0065	4.024768	0.679	0.037	5.44919	213	0.8562	0.780097	2.959364	224.9684	16.36563
TS16_10_K_48	0.189	0.012	6.349206	0.677	0.048	7.090103	213	0.8562	0.777615	3.840673	265.4081	26.94546
TS16_10_L_48	0.207	0.01	4.830918	0.685	0.043	6.277372	213	0.8562	0.787543	3.435361	277.447	23.76788
TS16_10_M_48	0.2148	0.0099	4.608939	0.702	0.036	5.128205	213	0.8562	0.80864	2.867695	259.6734	19.46683
TS16_10_N_48	0.2133	0.0082	3.844351	0.711	0.032	4.500703	213	0.8562	0.819809	2.545521	243.1238	15.78687
TS16_10_O_48	0.208	0.01	4.807692	0.696	0.049	7.04023	213	0.8562	0.801194	3.907111	261.2057	24.41083
TS16_10_P_48	0.1993	0.0088	4.415454	0.732	0.044	6.010929	213	0.8562	0.845869	3.490192	195.0418	16.33526
TS16_10_Q_48	0.1993	0.007	3.512293	0.711	0.038	5.344585	213	0.8562	0.819809	3.022806	227.4444	16.16609
TS16_10_R_48	0.2087	0.0081	3.881169	0.677	0.026	3.840473	213	0.8562	0.777615	2.080365	292.4538	17.00117
TS16_10_A_49	0.1281	0.0058	4.527713	0.707	0.033	4.66761	213	0.8562	0.814845	2.626655	151.1134	10.59515
TS16_10_B_49	0.1224	0.0037	3.022876	0.67	0.033	4.925373	213	0.8562	0.768928	2.644197	179.7943	11.09655
TS16_10_C_49	0.1349	0.0058	4.299481	0.67	0.031	4.626866	213	0.8562	0.768928	2.483943	197.8766	13.18866
TS16_10_D_49	0.1533	0.0078	5.088063	0.696	0.025	3.591954	213	0.8562	0.801194	1.993424	193.5328	12.68715
TS16_10_E_49	0.1708	0.0095	5.562061	0.718	0.027	3.760446	213	0.8562	0.828496	2.145622	186.1215	13.25208
TS16_10_F_49	0.186	0.014	7.526882	0.74	0.033	4.459459	213	0.8562	0.855797	2.615199	170.6256	15.82848
TS16_10_G_49	0.1972	0.0086	4.361055	0.734	0.029	3.950954	213	0.8562	0.848351	2.2998	189.9543	12.20761
TS16_10_H_49	0.215	0.012	5.581395	0.752	0.041	5.452128	213	0.8562	0.870689	3.245096	176.7759	15.32328
TS16_10_I_49	0.221	0.012	5.429864	0.716	0.043	6.005587	213	0.8562	0.826014	3.418062	243.2242	21.60333
TS16_10_J_49	0.249	0.02	8.032129	0.731	0.052	7.113543	213	0.8562	0.844628	4.125276	244.6924	28.65322
TS16_10_K_49	0.218	0.019	8.715596	0.763	0.036	4.718218	213	0.8562	0.88434	2.846474	160.5237	16.89839

TS16_10_L_49	0.22	0.012	5.454545	0.706	0.043	6.090652	213	0.8562	0.813604	3.42314	259.0728	23.09835
TS16_10_M_49	0.21	0.013	6.190476	0.739	0.059	7.983762	213	0.8562	0.854556	4.676185	193.9468	22.04502
TS16_10_N_49	0.1962	0.0077	3.924567	0.72	0.048	6.666667	213	0.8562	0.830978	3.813386	210.309	18.31026
TS16_10_O_49	0.1973	0.0082	4.156107	0.759	0.052	6.85112	213	0.8562	0.879376	4.113021	151.6217	14.12412
TS16_10_P_49	0.1985	0.009	4.534005	0.719	0.055	7.649513	213	0.8562	0.829737	4.370105	214.2704	21.41651
TS16_10_Q_49	0.1953	0.009	4.608295	0.68	0.036	5.294118	213	0.8562	0.781338	2.878826	269.5759	20.27019
TS16_10_R_49	0.1945	0.0097	4.987147	0.699	0.045	6.437768	213	0.8562	0.804917	3.586368	240.0742	21.33325
TS16_10_A_50	0.1435	0.0077	5.365854	0.687	0.034	4.949054	213	0.8562	0.790025	2.715337	191.3706	14.81206
TS16_10_B_50	0.1285	0.0062	4.824903	0.672	0.029	4.315476	213	0.8562	0.77141	2.322733	186.6278	12.67013
TS16_10_C_50	0.1158	0.0048	4.145078	0.685	0.029	4.233577	213	0.8562	0.787543	2.316871	156.6784	9.852776
TS16_10_D_50	0.1183	0.0032	2.704987	0.662	0.031	4.682779	213	0.8562	0.759	2.48819	181.2177	10.40148
TS16_10_E_50	0.1116	0.0039	3.494624	0.63	0.023	3.650794	213	0.8562	0.719289	1.8607	198.8505	10.30131
TS16_10_F_50	0.1072	0.0034	3.171642	0.617	0.023	3.727715	213	0.8562	0.703156	1.86764	201.9394	10.04416
TS16_10_G_50	0.1044	0.0029	2.777778	0.625	0.022	3.52	213	0.8562	0.713084	1.782284	190.2606	8.720292
TS16_10_H_50	0.1047	0.005	4.775549	0.6	0.028	4.666667	213	0.8562	0.682059	2.28586	211.0964	14.1712
TS16_10_I_50	0.1054	0.0044	4.174573	0.593	0.021	3.541315	213	0.8562	0.673372	1.718471	218.1932	11.9893
TS16_10_J_50	0.1026	0.005	4.873294	0.599	0.017	2.838063	213	0.8562	0.680818	1.388306	207.7245	11.82972
TS16_10_K_50	0.1055	0.0046	4.36019	0.57	0.02	3.508772	213	0.8562	0.64483	1.65068	237.1346	13.19692
TS16_10_L_50	0.1187	0.0065	5.47599	0.584	0.028	4.794521	213	0.8562	0.662203	2.29865	253.4308	18.4546
TS16_10_M_50	0.1243	0.0053	4.263878	0.611	0.028	4.582651	213	0.8562	0.69571	2.277803	239.3262	15.19604
TS16_10_N_50	0.1283	0.006	4.676539	0.623	0.031	4.975923	213	0.8562	0.710602	2.512834	235.0173	16.41059
TS16_10_O_50	0.1306	0.006	4.594181	0.634	0.037	5.835962	213	0.8562	0.724253	2.99006	228.0696	17.48311
TS16_10_P_50	0.137	0.0069	5.036496	0.604	0.028	4.635762	213	0.8562	0.687023	2.282863	270.6464	18.76277
TS16_10_Q_50	0.1345	0.0075	5.576208	0.648	0.049	7.561728	213	0.8562	0.741627	3.945701	220.2162	21.61026
TS16_10_R_50	0.1347	0.008	5.939124	0.667	0.039	5.847076	213	0.8562	0.765205	3.126926	200.7221	17.55989
TS16_10_A_51	0.1206	0.0063	5.223881	0.633	0.035	5.529226	213	0.8562	0.723012	2.829193	211.8225	16.56224
TS16_10_B_51	0.1176	0.0074	6.292517	0.647	0.041	6.33694	213	0.8562	0.740386	3.30231	193.8686	17.92898
TS16_10_C_51	0.1139	0.0054	4.741001	0.666	0.035	5.255255	213	0.8562	0.763964	2.806813	171.0196	12.72176
TS16_10_D_51	0.1126	0.0042	3.730018	0.637	0.029	4.55259	213	0.8562	0.727976	2.341701	194.4896	11.81121
TS16_10_E_51	0.1135	0.0065	5.726872	0.632	0.036	5.696203	213	0.8562	0.721771	2.910813	200.4232	16.60284
TS16_10_F_51	0.1131	0.0052	4.597701	0.599	0.031	5.175292	213	0.8562	0.680818	2.531617	228.6101	15.89612
TS16_10_G_51	0.1193	0.0071	5.951383	0.617	0.029	4.700162	213	0.8562	0.703156	2.35485	224.3407	17.30279
TS16_10_H_51	0.1218	0.0066	5.418719	0.643	0.041	6.376361	213	0.8562	0.735422	3.305588	204.4628	17.73341
TS16_10_I_51	0.1299	0.0048	3.69515	0.64	0.029	4.53125	213	0.8562	0.731699	2.339881	220.8461	13.38275
TS16_10_J_51	0.1404	0.0061	4.344729	0.649	0.036	5.546995	213	0.8562	0.742868	2.898181	228.6221	16.83639
TS16_10_K_51	0.1409	0.006	4.258339	0.643	0.033	5.132193	213	0.8562	0.735422	2.660595	235.9453	16.35755
TS16_10_L_51	0.1506	0.0088	5.843293	0.633	0.027	4.265403	213	0.8562	0.723012	2.182521	263.451	19.58353

TS16_10_M_51	0.1532	0.0085	5.548303	0.636	0.039	6.132075	213	0.8562	0.726735	3.150012	264.378	22.61589
TS16_10_N_51	0.127	0.022	17.32283	0.562	0.069	12.27758	213	0.8562	0.634902	5.713388	292.1813	61.73248
TS16_10_O_51	0.0511	0.0085	16.63405	0.301	0.032	10.63123	213	0.8562	0.311004	3.347102	223.0592	40.56781
TS16_10_P_51	0.0375	0.0016	4.266667	0.216	0.015	6.944444	213	0.8562	0.20552	1.881486	189.2525	10.91687
TS16_10_Q_51	0.0336	0.0011	3.27381	0.1824	0.0073	4.002193	213	0.8562	0.163823	1.017981	178.6179	6.978679
TS16_10_R_51	0.0352	0.0014	3.977273	0.203	0.012	5.91133	213	0.8562	0.189388	1.563188	181.3638	9.298669
TS16_10_A_52	0.513	0.068	13.25536	0.844	0.064	7.582938	213	0.8562	0.98486	5.041663	49.87482	8.333314
TS16_10_B_52	0.338	0.04	11.83432	0.785	0.063	8.025478	213	0.8562	0.911642	4.973211	189.7038	29.6937
TS16_10_C_52	0.232	0.016	6.896552	0.742	0.044	5.929919	213	0.8562	0.858279	3.486159	208.543	20.75261
TS16_10_D_52	0.185	0.018	9.72973	0.743	0.043	5.787349	213	0.8562	0.85952	3.406557	165.3942	19.86901
TS16_10_E_52	0.1551	0.0089	5.738233	0.744	0.041	5.510753	213	0.8562	0.860761	3.247762	137.7343	12.05478
TS16_10_F_52	0.1587	0.005	3.150599	0.684	0.026	3.80117	213	0.8562	0.786302	2.07758	214.9973	11.39014
TS16_10_G_52	0.1704	0.0057	3.34507	0.713	0.037	5.189341	213	0.8562	0.822291	2.942392	192.3109	13.20023
TS16_10_H_52	0.171	0.01	5.847953	0.7	0.038	5.428571	213	0.8562	0.806158	3.027991	210.2142	17.96384
TS16_10_I_52	0.1841	0.0089	4.834329	0.732	0.054	7.377049	213	0.8562	0.845869	4.283417	180.3726	17.96827
TS16_10_J_52	0.1924	0.0078	4.054054	0.747	0.05	6.69344	213	0.8562	0.864484	3.959432	165.925	14.93544
TS16_10_K_52	0.1934	0.0084	4.34333	0.748	0.053	7.085561	213	0.8562	0.865725	4.196564	165.2685	15.801
TS16_10_L_52	0.208	0.011	5.288462	0.752	0.055	7.31383	213	0.8562	0.870689	4.353178	171.0961	17.63822
TS16_10_M_52	0.2148	0.0098	4.562384	0.718	0.045	6.267409	213	0.8562	0.828496	3.576036	233.2106	20.11491
TS16_10_N_52	0.211	0.011	5.21327	0.713	0.045	6.31136	213	0.8562	0.822291	3.578585	237.2973	21.36771
TS16_10_O_52	0.196	0.011	5.612245	0.736	0.049	6.657609	213	0.8562	0.850833	3.884951	185.769	18.03939
TS16_10_P_52	0.205	0.01	4.878049	0.728	0.042	5.769231	213	0.8562	0.840906	3.333201	206.89	17.34405
TS16_10_Q_52	0.196	0.016	8.163265	0.706	0.043	6.090652	213	0.8562	0.813604	3.42314	231.311	25.04294
TS16_10_R_52	0.211	0.014	6.635071	0.673	0.048	7.132244	213	0.8562	0.772651	3.843741	302.0501	31.32653
TS16_10_A_53	0.305	0.072	23.60656	0.754	0.026	3.448276	213	0.8562	0.873171	2.057467	244.6631	59.47896
TS16_10_B_53	0.1566	0.0084	5.363985	0.677	0.034	5.022157	213	0.8562	0.777615	2.720477	220.6786	17.12995
TS16_10_C_53	0.1336	0.0047	3.517964	0.651	0.024	3.686636	213	0.8562	0.74535	1.931195	215.6672	11.4477
TS16_10_D_53	0.1225	0.0071	5.795918	0.638	0.028	4.388715	213	0.8562	0.729217	2.260363	210.3637	15.69868
TS16_10_E_53	0.1126	0.0048	4.262877	0.621	0.032	5.152979	213	0.8562	0.70812	2.595393	208.4588	14.21508
TS16_10_F_53	0.1049	0.0038	3.622498	0.606	0.02	3.30033	213	0.8562	0.689505	1.629567	206.6187	10.22315
TS16_10_G_53	0.1038	0.0041	3.949904	0.59	0.025	4.237288	213	0.8562	0.669649	2.047947	217.3446	12.56588
TS16_10_H_53	0.1058	0.0044	4.15879	0.582	0.033	5.670103	213	0.8562	0.659721	2.711117	228.0004	15.83964
TS16_10_I_53	0.1052	0.0045	4.277567	0.6	0.023	3.833333	213	0.8562	0.682059	1.877671	212.0881	12.26142
TS16_10_J_53	0.1054	0.0022	2.087287	0.617	0.02	3.241491	213	0.8562	0.703156	1.624034	198.6004	7.782442
TS16_10_K_53	0.108	0.0024	2.222222	0.596	0.02	3.355705	213	0.8562	0.677095	1.634954	220.9792	8.881873
TS16_10_L_53	0.1193	0.0047	3.939648	0.556	0.024	4.316547	213	0.8562	0.627456	1.992315	280.3235	16.03422
TS16_10_M_53	0.1178	0.005	4.244482	0.613	0.026	4.241436	213	0.8562	0.698192	2.1138	225.2091	13.71539

TS16_10_N_53	0.1272	0.0047	3.694969	0.622	0.025	4.019293	213	0.8562	0.709361	2.027063	234.0197	13.05934
TS16_10_O_53	0.1395	0.0063	4.516129	0.618	0.03	4.854369	213	0.8562	0.704397	2.435327	260.4936	17.63269
TS16_10_P_53	0.179	0.011	6.145251	0.683	0.032	4.685212	213	0.8562	0.785061	2.5575	243.3675	19.79987
TS16_10_Q_53	0.17	0.0092	5.411765	0.724	0.023	3.176796	213	0.8562	0.835942	1.826267	177.3285	11.72787
TS16_10_R_53	0.141	0.0079	5.602837	0.659	0.035	5.311077	213	0.8562	0.755277	2.811121	218.6875	17.63162
TS16_10_A_54	0.92	0.18	19.56522	0.843	0.067	7.947805	213	0.8562	0.983619	5.278043	96.42616	21.56178
TS16_10_B_54	0.697	0.073	10.47346	0.892	0.069	7.735426	213	0.8562	1.044427	5.437794	-202.775	-30.2106
TS16_10_C_54	0.738	0.051	6.910569	0.823	0.038	4.617254	213	0.8562	0.958799	2.994638	193.0898	17.89991
TS16_10_D_54	0.754	0.063	8.355438	0.835	0.048	5.748503	213	0.8562	0.973691	3.781699	126.6252	14.39596
TS16_10_E_54	0.844	0.063	7.464455	0.821	0.045	5.481121	213	0.8562	0.956317	3.546481	233.3914	24.42632
TS16_10_F_54	0.844	0.063	7.464455	0.84	0.046	5.47619	213	0.8562	0.979896	3.623858	108.4636	11.37021
TS16_10_G_54	0.722	0.064	8.864266	0.798	0.053	6.641604	213	0.8562	0.927775	4.180748	327.688	40.8336
TS16_10_H_54	0.672	0.054	8.035714	0.78	0.05	6.410256	213	0.8562	0.905437	3.948282	397.1574	45.98741
TS16_10_I_54	0.707	0.055	7.779349	0.831	0.053	6.377858	213	0.8562	0.968727	4.175938	140.9768	16.24739
TS16_10_J_54	0.885	0.077	8.700565	0.795	0.059	7.421384	213	0.8562	0.924052	4.654759	419.3509	54.97632
TS16_10_K_54	0.873	0.059	6.758305	0.78	0.058	7.435897	213	0.8562	0.905437	4.580007	511.3473	60.29645
TS16_10_L_54	0.803	0.079	9.838107	0.814	0.042	5.159705	213	0.8562	0.94763	3.310791	265.5447	32.0684
TS16_10_M_54	0.759	0.068	8.959157	0.794	0.041	5.163728	213	0.8562	0.922811	3.234836	367.0249	41.60201
TS16_10_N_54	0.73	0.043	5.890411	0.775	0.052	6.709677	213	0.8562	0.899232	4.10766	457.5723	47.759
TS16_10_O_54	0.65	0.037	5.692308	0.794	0.049	6.171285	213	0.8562	0.922811	3.866024	315.5842	30.97988
TS16_10_P_54	0.679	0.062	9.131075	0.819	0.051	6.227106	213	0.8562	0.953835	4.019585	198.9659	24.5363
TS16_10_Q_54	0.607	0.049	8.072488	0.813	0.047	5.781058	213	0.8562	0.946389	3.705065	206.436	22.94621
TS16_10_R_54	0.72	0.1	13.88889	0.815	0.039	4.785276	213	0.8562	0.948871	3.0742	233.0458	35.9444
TS16_10_A_55	0.1306	0.0064	4.900459	0.638	0.036	5.642633	213	0.8562	0.729217	2.906181	224.0344	17.30839
TS16_10_B_55	0.113	0.0044	3.893805	0.607	0.025	4.118616	213	0.8562	0.690746	2.036309	221.4275	12.68067
TS16_10_C_55	0.1073	0.0034	3.168686	0.593	0.018	3.035413	213	0.8562	0.673372	1.472975	222.0595	9.767545
TS16_10_D_55	0.1049	0.0033	3.145853	0.59	0.016	2.711864	213	0.8562	0.669649	1.310686	219.6091	9.141159
TS16_10_E_55	0.1057	0.0034	3.216651	0.6	0.015	2.5	213	0.8562	0.682059	1.224568	213.0797	8.752628
TS16_10_F_55	0.139	0.028	20.14388	0.665	0.032	4.81203	213	0.8562	0.762723	2.566779	209.1812	44.0464
TS16_10_G_55	0.1262	0.005	3.961965	0.629	0.018	2.861685	213	0.8562	0.718048	1.456601	225.392	11.27033
TS16_10_H_55	0.14	0.006	4.285714	0.64	0.022	3.4375	213	0.8562	0.731699	1.775082	237.7045	13.46149
TS16_10_I_55	0.161	0.008	4.968944	0.665	0.017	2.556391	213	0.8562	0.762723	1.363601	241.6756	13.94349
TS16_10_J_55	0.1931	0.0097	5.023304	0.675	0.014	2.074074	213	0.8562	0.775133	1.12064	274.0079	15.37871
TS16_10_K_55	0.2295	0.0098	4.270153	0.729	0.031	4.252401	213	0.8562	0.842147	2.45991	229.4059	15.19584
TS16_10_L_55	0.268	0.013	4.850746	0.697	0.039	5.595409	213	0.8562	0.802435	3.109218	332.5919	26.86263
TS16_10_M_55	0.305	0.019	6.229508	0.703	0.026	3.698435	213	0.8562	0.809881	2.070782	363.3677	27.90229
TS16_10_N_55	0.338	0.017	5.029586	0.749	0.037	4.93992	213	0.8562	0.866966	2.929378	283.5377	22.34325

TS16_10_O_55	0.35	0.013	3.714286	0.735	0.017	2.312925	213	0.8562	0.849592	1.347999	330.7256	15.55627
TS16_10_P_55	0.345	0.016	4.637681	0.755	0.026	3.443709	213	0.8562	0.874412	2.057271	273.4273	17.29339
TS16_10_Q_55	0.353	0.013	3.68272	0.752	0.035	4.654255	213	0.8562	0.870689	2.770204	287.7393	19.54644
TS16_10_R_55	0.3684	0.0093	2.52443	0.779	0.02	2.567394	213	0.8562	0.904196	1.579421	223.5983	9.193587
TS16_10_A_56	0.1717	0.0081	4.717531	0.692	0.035	5.057803	213	0.8562	0.79623	2.792711	221.6868	16.46857
TS16_10_B_56	0.1775	0.0076	4.28169	0.734	0.044	5.99455	213	0.8562	0.848351	3.489351	171.2278	14.19149
TS16_10_C_56	0.1946	0.0077	3.956835	0.769	0.038	4.941482	213	0.8562	0.891786	3.003123	134.3419	9.75649
TS16_10_D_56	0.223	0.013	5.829596	0.726	0.032	4.407713	213	0.8562	0.838424	2.540231	228.1876	17.93619
TS16_10_E_56	0.243	0.014	5.761317	0.737	0.026	3.527815	213	0.8562	0.852074	2.061163	227.6547	16.39488
TS16_10_F_56	0.226	0.01	4.424779	0.739	0.03	4.05954	213	0.8562	0.854556	2.377721	208.4873	13.74921
TS16_10_G_56	0.23	0.012	5.217391	0.755	0.03	3.97351	213	0.8562	0.874412	2.373774	183.5674	13.1218
TS16_10_H_56	0.252	0.014	5.555556	0.749	0.043	5.740988	213	0.8562	0.866966	3.404412	212.5693	18.96351
TS16_10_I_56	0.286	0.017	5.944056	0.753	0.034	4.515272	213	0.8562	0.87193	2.690793	231.8975	18.905
TS16_10_J_56	0.328	0.015	4.573171	0.753	0.037	4.913679	213	0.8562	0.87193	2.928216	265.2607	20.08988
TS16_10_K_56	0.352	0.013	3.693182	0.775	0.034	4.387097	213	0.8562	0.899232	2.685778	224.6949	14.8882
TS16_10_L_56	0.393	0.018	4.580153	0.777	0.04	5.148005	213	0.8562	0.901714	3.159283	244.3134	19.40284
TS16_10_M_56	0.42	0.02	4.761905	0.777	0.043	5.534106	213	0.8562	0.901714	3.39623	260.7632	22.03704
TS16_10_N_56	0.414	0.013	3.140097	0.761	0.046	6.044678	213	0.8562	0.881858	3.637794	307.8308	24.93691
TS16_10_O_56	0.403	0.015	3.722084	0.815	0.061	7.484663	213	0.8562	0.948871	4.808363	131.4774	13.6825
TS16_10_P_56	0.451	0.024	5.321508	0.746	0.074	9.919571	213	0.8562	0.863243	5.86057	385.8179	50.97897
TS16_10_Q_56	0.441	0.027	6.122449	0.781	0.054	6.914213	213	0.8562	0.906678	4.263858	259.9888	27.79127
TS16_10_R_56	0.397	0.023	5.793451	0.741	0.038	5.128205	213	0.8562	0.857038	3.011106	355.8654	30.50176
TS16_10_A_57	0.1185	0.0081	6.835443	0.563	0.03	5.328597	213	0.8562	0.636143	2.483052	272.1252	23.44135
TS16_10_B_57	0.1049	0.0089	8.484271	0.583	0.023	3.945111	213	0.8562	0.660962	1.888869	225.2842	21.25765
TS16_10_C_57	0.0956	0.0045	4.707113	0.575	0.023	4	213	0.8562	0.651035	1.894571	211.55	12.98237
TS16_10_D_57	0.0969	0.0038	3.921569	0.595	0.029	4.87395	213	0.8562	0.675854	2.371493	199.3652	12.44907
TS16_10_E_57	0.1038	0.005	4.816956	0.597	0.033	5.527638	213	0.8562	0.678336	2.69676	211.7221	15.54591
TS16_10_F_57	0.1084	0.007	6.457565	0.62	0.033	5.322581	213	0.8562	0.706879	2.677281	201.6436	17.15989
TS16_10_G_57	0.1067	0.005	4.686036	0.68	0.018	2.647059	213	0.8562	0.781338	1.439413	148.675	8.266377
TS16_10_H_57	0.1163	0.0087	7.480653	0.642	0.031	4.82866	213	0.8562	0.734181	2.499977	196.2711	17.9067
TS16_10_I_57	0.1279	0.0064	5.003909	0.629	0.026	4.133545	213	0.8562	0.718048	2.103979	228.375	15.18101
TS16_10_J_57	0.128	0.0038	2.96875	0.633	0.044	6.951027	213	0.8562	0.723012	3.5567	224.596	17.59304
TS16_10_K_57	0.1389	0.0059	4.24766	0.639	0.032	5.007825	213	0.8562	0.730458	2.582602	236.9417	16.11999
TS16_10_L_57	0.1413	0.0057	4.03397	0.731	0.045	6.155951	213	0.8562	0.844628	3.569951	139.9934	11.59554
TS16_10_M_57	0.1439	0.0052	3.613621	0.693	0.034	4.906205	213	0.8562	0.797471	2.712448	185.1882	12.23449
TS16_10_N_57	0.1554	0.0079	5.083655	0.675	0.034	5.037037	213	0.8562	0.775133	2.721555	221.4189	16.75571
TS16_10_O_57	0.1545	0.0047	3.042071	0.659	0.03	4.552352	213	0.8562	0.755277	2.409532	239.2417	13.87539

TS16_10_P_57	0.1509	0.0054	3.578529	0.655	0.033	5.038168	213	0.8562	0.750314	2.652904	238.4221	15.52551
TS16_10_Q_57	0.146	0.007	4.794521	0.672	0.025	3.720238	213	0.8562	0.77141	2.002356	211.6311	13.42603
TS16_10_R_57	0.1416	0.0056	3.954802	0.676	0.043	6.360947	213	0.8562	0.776374	3.441282	200.9631	16.18316
TS16_10_A_58	0.87	0.27	31.03448	0.784	0.029	3.69898	213	0.8562	0.910401	2.289401	483.8828	155.742
TS16_10_B_58	0.313	0.037	11.82109	0.754	0.033	4.376658	213	0.8562	0.873171	2.6114	250.9572	32.98736
TS16_10_C_58	0.219	0.012	5.479452	0.705	0.025	3.546099	213	0.8562	0.812363	1.990508	259.6015	17.9166
TS16_10_D_58	0.184	0.01	5.434783	0.685	0.028	4.087591	213	0.8562	0.787543	2.236979	247.2027	17.71519
TS16_10_E_58	0.1692	0.0078	4.609929	0.696	0.04	5.747126	213	0.8562	0.801194	3.189478	213.277	17.04388
TS16_10_F_58	0.1641	0.0065	3.960999	0.681	0.033	4.845815	213	0.8562	0.782579	2.638419	225.9921	15.15773
TS16_10_G_58	0.1569	0.0057	3.632887	0.721	0.033	4.576976	213	0.8562	0.832219	2.621346	167.506	10.8151
TS16_10_H_58	0.1642	0.0093	5.663825	0.706	0.033	4.674221	213	0.8562	0.813604	2.627061	194.3415	15.22464
TS16_10_I_58	0.163	0.0092	5.644172	0.685	0.042	6.131387	213	0.8562	0.787543	3.355469	219.4639	19.54621
TS16_10_J_58	0.1739	0.0069	3.967798	0.708	0.036	5.084746	213	0.8562	0.816086	2.865003	202.9453	14.35364
TS16_10_K_58	0.1878	0.0097	5.165069	0.72	0.035	4.861111	213	0.8562	0.830978	2.780594	201.4442	15.51188
TS16_10_L_58	0.2083	0.0098	4.704753	0.684	0.036	5.263158	213	0.8562	0.786302	2.876649	280.7478	21.2911
TS16_10_M_58	0.2185	0.0095	4.347826	0.677	0.038	5.612999	213	0.8562	0.777615	3.040533	305.8658	23.37367
TS16_10_N_58	0.2109	0.0091	4.314841	0.72	0.042	5.833333	213	0.8562	0.830978	3.336713	225.7932	18.23558
TS16_10_O_58	0.2007	0.0099	4.932735	0.724	0.041	5.662983	213	0.8562	0.835942	3.25552	208.8384	17.31517
TS16_10_P_58	0.2058	0.007	3.401361	0.679	0.021	3.092784	213	0.8562	0.780097	1.679639	285.3301	13.93177
TS16_10_Q_58	0.203	0.0063	3.103448	0.678	0.023	3.39233	213	0.8562	0.778856	1.839962	283.086	13.91597
TS16_10_R_58	0.1902	0.0085	4.46898	0.72	0.033	4.583333	213	0.8562	0.830978	2.621703	203.9782	14.26197
TS16_10_A_59	0.53	0.09	16.98113	0.776	0.043	5.541237	213	0.8562	0.900473	3.396472	331.3792	61.89405
TS16_10_B_59	0.305	0.029	9.508197	0.791	0.054	6.826802	213	0.8562	0.919088	4.261223	157.155	20.2812
TS16_10_C_59	0.247	0.012	4.8583	0.755	0.033	4.370861	213	0.8562	0.874412	2.611152	196.9302	14.24745
TS16_10_D_59	0.2294	0.0094	4.097646	0.718	0.033	4.5961	213	0.8562	0.828496	2.622426	248.7599	16.85841
TS16_10_E_59	0.213	0.012	5.633803	0.685	0.031	4.525547	213	0.8562	0.787543	2.476656	285.3136	21.84693
TS16_10_F_59	0.193	0.0071	3.678756	0.659	0.026	3.945372	213	0.8562	0.755277	2.088261	297.5018	16.92373
TS16_10_G_59	0.1734	0.0061	3.517878	0.675	0.026	3.851852	213	0.8562	0.775133	2.081189	246.5812	13.68409
TS16_10_H_59	0.1685	0.005	2.967359	0.671	0.025	3.725782	213	0.8562	0.770169	2.002766	244.9342	12.43272
TS16_10_I_59	0.1657	0.0069	4.164152	0.655	0.031	4.732824	213	0.8562	0.750314	2.492122	261.3382	17.29899
TS16_10_J_59	0.1527	0.0064	4.191225	0.677	0.033	4.874446	213	0.8562	0.777615	2.640463	215.2735	14.74193
TS16_10_K_59	0.1411	0.0087	6.16584	0.663	0.041	6.184012	213	0.8562	0.760241	3.290111	214.4741	19.63578
TS16_10_L_59	0.1445	0.006	4.152249	0.655	0.035	5.343511	213	0.8562	0.750314	2.813686	228.4872	16.24523
TS16_10_M_59	0.145	0.0065	4.482759	0.682	0.03	4.398827	213	0.8562	0.78382	2.398108	198.9674	13.25219
TS16_10_N_59	0.1467	0.0058	3.953647	0.7	0.039	5.571429	213	0.8562	0.806158	3.107675	180.7563	13.4893
TS16_10_O_59	0.1479	0.0053	3.583502	0.71	0.047	6.619718	213	0.8562	0.818568	3.739291	170.7018	14.32913
TS16_10_P_59	0.1459	0.0038	2.604524	0.667	0.031	4.647676	213	0.8562	0.765205	2.485506	217.1336	12.38118

TS16_10_Q_59	0.142	0.0052	3.661972	0.673	0.035	5.200594	213	0.8562	0.772651	2.802728	204.8242	13.91939
TS16_10_R_59	0.1453	0.0052	3.578802	0.652	0.033	5.06135	213	0.8562	0.746591	2.654764	233.0941	15.18034
TS15_04_1_1	2.22	0.48	21.62162	0.806	0.066	8.188586	203	0.8565	0.93737	5.20268	839.2193	211.5575
TS15_04_2_1	1.6	0.39	24.375	0.846	0.048	5.673759	203	0.8565	0.986978	3.779977	132.9323	34.18632
TS15_04_3_1	0.77	0.2	25.97403	0.88	0.13	14.77273	203	0.8565	1.029144	10.23911	-146.314	-48.0278
TS15_04_4_1	0.4	0.11	27.5	0.779	0.056	7.188703	203	0.8565	0.903885	4.421037	243.1929	71.19731
TS15_04_5_1	0.263	0.026	9.885932	0.782	0.035	4.475703	203	0.8565	0.907606	2.762588	154.7729	17.71602
TS15_04_6_1	0.228	0.014	6.140351	0.776	0.051	6.572165	203	0.8565	0.900165	4.027155	145.0912	14.84431
TS15_04_7_1	0.2	0.018	9	0.75	0.033	4.4	203	0.8565	0.86792	2.611648	168.0786	17.69579
TS15_04_8_1	0.193	0.015	7.772021	0.718	0.041	5.710306	203	0.8565	0.828234	3.257218	210.2388	21.63568
TS15_04_9_1	0.196	0.016	8.163265	0.696	0.032	4.597701	203	0.8565	0.800949	2.550849	246.7179	24.16487
TS15_04_10_1	0.195	0.011	5.641026	0.691	0.025	3.617945	203	0.8565	0.794748	1.994572	252.9821	17.80146
TS15_04_11_1	0.19	0.011	5.789474	0.71	0.031	4.366197	203	0.8565	0.818312	2.465626	218.78	16.90149
TS15_04_12_1	0.178	0.01	5.617978	0.756	0.053	7.010582	203	0.8565	0.875361	4.192022	141.4553	14.4177
TS15_04_13_1	0.182	0.011	6.043956	0.679	0.058	8.541973	203	0.8565	0.779866	4.637684	253.232	28.52941
TS15_04_14_1	0.181	0.012	6.629834	0.683	0.026	3.806735	203	0.8565	0.784827	2.077376	246.2986	19.61367
TS15_04_1_2	0.255	0.016	6.27451	0.763	0.046	6.028834	203	0.8565	0.884042	3.63607	187.8518	18.28244
TS15_04_2_2	0.28	0.011	3.928571	0.756	0.027	3.571429	203	0.8565	0.875361	2.135558	221.1366	13.04225
TS15_04_3_2	0.273	0.014	5.128205	0.754	0.028	3.713528	203	0.8565	0.87288	2.215073	219.9198	15.1428
TS15_04_4_2	0.2718	0.009	3.311258	0.792	0.038	4.79798	203	0.8565	0.920008	2.997552	138.6555	9.591923
TS15_04_5_2	0.269	0.012	4.460967	0.751	0.056	7.456724	203	0.8565	0.86916	4.431445	222.9865	22.47318
TS15_04_6_2	0.255	0.014	5.490196	0.781	0.04	5.121639	203	0.8565	0.906366	3.157454	152.1108	12.86686
TS15_04_7_2	0.263	0.018	6.844106	0.743	0.054	7.267833	203	0.8565	0.859238	4.276736	234.337	26.09015
TS15_04_8_2	0.256	0.021	8.203125	0.77	0.05	6.493506	203	0.8565	0.892723	3.949976	174.6492	20.13054
TS15_04_9_2	0.243	0.017	6.995885	0.759	0.069	9.090909	203	0.8565	0.879081	5.45603	186.687	24.50567
TS15_04_10_2	0.2406	0.0073	3.034081	0.773	0.028	3.622251	203	0.8565	0.896444	2.211476	158.6477	8.609044
TS15_04_11_2	0.2265	0.0097	4.282561	0.777	0.018	2.316602	203	0.8565	0.901405	1.421247	142.3762	7.395376
TS15_04_12_2	0.2193	0.0081	3.69357	0.762	0.022	2.887139	203	0.8565	0.882802	1.739141	163.5894	8.40052
TS15_04_13_2	0.216	0.011	5.092593	0.74	0.054	7.297297	203	0.8565	0.855518	4.278153	198.1054	20.00082
TS15_04_14_2	0.1982	0.0089	4.490414	0.751	0.06	7.989348	203	0.8565	0.86916	4.747977	165.0409	17.53608
TS15_04_1_3	0.301	0.031	10.299	0.752	0.031	4.12234	203	0.8565	0.8704	2.452879	246.691	28.62356
TS15_04_2_3	0.2441	0.0094	3.850881	0.781	0.06	7.682458	203	0.8565	0.906366	4.736181	145.6817	15.04828
TS15_04_3_3	0.2411	0.0095	3.940274	0.717	0.048	6.694561	203	0.8565	0.826993	3.813862	263.4354	23.04406
TS15_04_4_3	0.2391	0.0085	3.554998	0.709	0.046	6.488011	203	0.8565	0.817072	3.659222	275.9621	22.89961
TS15_04_5_3	0.222	0.012	5.405405	0.764	0.08	10.4712	203	0.8565	0.885282	6.32306	162.1172	22.53912
TS15_04_6_3	0.217	0.011	5.069124	0.717	0.042	5.857741	203	0.8565	0.826993	3.33713	237.5818	20.25145
TS15_04_7_3	0.202	0.013	6.435644	0.74	0.065	8.783784	203	0.8565	0.855518	5.149628	185.4481	22.80868

TS15_04_8_3	0.186	0.013	6.989247	0.691	0.049	7.091172	203	0.8565	0.794748	3.909361	241.522	25.75791
TS15_04_9_3	0.175	0.0087	4.971429	0.665	0.06	9.022556	203	0.8565	0.762503	4.811352	262.5071	28.95398
TS15_04_10_3	0.155	0.017	10.96774	0.652	0.061	9.355828	203	0.8565	0.746381	4.905914	248.5605	37.18529
TS15_04_11_3	0.123	0.012	9.756098	0.648	0.053	8.179012	203	0.8565	0.74142	4.266604	201.8373	26.5201
TS15_04_12_3	0.1135	0.0099	8.722467	0.619	0.045	7.26979	203	0.8565	0.705455	3.650899	211.9854	24.46837
TS15_04_13_3	0.101	0.01	9.90099	0.612	0.045	7.352941	203	0.8565	0.696773	3.658612	194.4644	24.26041
TS15_04_14_3	0.0855	0.0056	6.549708	0.634	0.055	8.675079	203	0.8565	0.724057	4.443446	150.3244	16.76858
TS15_04_1_4	0.398	0.035	8.79397	0.833	0.058	6.962785	203	0.8565	0.970856	4.568275	74.34488	9.475359
TS15_04_2_4	0.369	0.018	4.878049	0.809	0.055	6.798517	203	0.8565	0.941091	4.335029	138.6273	13.92512
TS15_04_3_4	0.371	0.027	7.277628	0.803	0.063	7.845579	203	0.8565	0.93365	4.966852	156.7629	19.51135
TS15_04_4_4	0.436	0.06	13.76147	0.779	0.042	5.391528	203	0.8565	0.903885	3.315778	264.6368	41.13558
TS15_04_5_4	0.418	0.028	6.698565	0.751	0.038	5.05992	203	0.8565	0.86916	3.007052	343.2587	31.66058
TS15_04_6_4	0.39	0.016	4.102564	0.784	0.045	5.739796	203	0.8565	0.910086	3.551437	222.1794	18.51546
TS15_04_7_4	0.374	0.019	5.080214	0.774	0.032	4.134367	203	0.8565	0.897684	2.527213	242.0764	17.65356
TS15_04_8_4	0.393	0.031	7.888041	0.769	0.031	4.031209	203	0.8565	0.891483	2.449179	269.2199	25.47655
TS15_04_9_4	0.404	0.021	5.19802	0.814	0.015	1.842752	203	0.8565	0.947292	1.182058	135.8294	7.833905
TS15_04_10_4	0.408	0.026	6.372549	0.789	0.052	6.590621	203	0.8565	0.916287	4.102621	216.4998	22.83407
TS15_04_11_4	0.436	0.041	9.40367	0.773	0.063	8.150065	203	0.8565	0.896444	4.975822	284.6788	39.72831
TS15_04_12_4	0.424	0.017	4.009434	0.779	0.046	5.905006	203	0.8565	0.903885	3.631566	257.4967	21.75835
TS15_04_13_4	0.412	0.032	7.76699	0.741	0.053	7.152497	203	0.8565	0.856758	4.198459	369.6369	43.36958
TS15_04_14_4	0.372	0.027	7.258065	0.795	0.068	8.553459	203	0.8565	0.923728	5.363162	180.358	23.64493
TS15_04_1_5	0.2	0.025	12.5	0.79	0.025	3.164557	203	0.8565	0.917527	1.972299	105.4632	13.92238
TS15_04_2_5	0.256	0.02	7.8125	0.775	0.035	4.516129	203	0.8565	0.898924	2.763935	164.6817	15.944
TS15_04_3_5	0.29	0.021	7.241379	0.787	0.066	8.386277	203	0.8565	0.913807	5.207798	159.154	20.40845
TS15_04_4_5	0.331	0.019	5.740181	0.768	0.04	5.208333	203	0.8565	0.890243	3.160484	230.0415	19.96558
TS15_04_5_5	0.343	0.036	10.49563	0.844	0.057	6.753555	203	0.8565	0.984498	4.488804	34.18683	4.732496
TS15_04_6_5	0.375	0.02	5.333333	0.812	0.021	2.586207	203	0.8565	0.944811	1.655001	132.0512	8.36888
TS15_04_7_5	0.358	0.032	8.938547	0.836	0.058	6.937799	203	0.8565	0.974576	4.568034	58.40832	7.494992
TS15_04_8_5	0.383	0.043	11.22715	0.839	0.083	9.892729	203	0.8565	0.978297	6.536717	53.36357	9.227508
TS15_04_9_5	0.4	0.042	10.5	0.735	0.051	6.938776	203	0.8565	0.849317	4.042805	377.2873	51.28733
TS15_04_10_5	0.389	0.017	4.37018	0.772	0.065	8.419689	203	0.8565	0.895204	5.134174	257.5774	29.26019
TS15_04_11_5	0.401	0.03	7.481297	0.785	0.07	8.917197	203	0.8565	0.911326	5.524107	225.2412	30.51259
TS15_04_12_5	0.308	0.041	13.31169	0.831	0.043	5.174489	203	0.8565	0.968375	3.386958	62.48721	9.371716
TS15_04_13_5	0.36	0.052	14.44444	0.788	0.065	8.248731	203	0.8565	0.915047	5.128582	194.1968	34.83277
TS15_04_14_5	0.371	0.028	7.54717	0.848	0.097	11.43868	203	0.8565	0.989458	7.638591	25.16238	4.294548
TS15_04_1_6	0.38	0.13	34.21053	0.766	0.077	10.05222	203	0.8565	0.887763	6.084925	269.2391	99.06768
TS15_04_2_6	0.247	0.022	8.906883	0.761	0.054	7.095926	203	0.8565	0.881562	4.269174	185.8792	23.22647

TS15_04_3_6	0.208	0.013	6.25	0.692	0.033	4.768786	203	0.8565	0.795989	2.632373	267.9048	22.31555
TS15_04_4_6	0.193	0.01	5.181347	0.726	0.046	6.336088	203	0.8565	0.838155	3.650514	198.2798	18.00212
TS15_04_5_6	0.1871	0.0084	4.489578	0.744	0.04	5.376344	203	0.8565	0.860478	3.16761	166.1213	13.05331
TS15_04_6_6	0.199	0.014	7.035176	0.698	0.05	7.163324	203	0.8565	0.80343	3.984366	247.3604	26.74953
TS15_04_7_6	0.201	0.011	5.472637	0.709	0.053	7.475317	203	0.8565	0.817072	4.216061	232.7718	23.78278
TS15_04_8_6	0.192	0.013	6.770833	0.779	0.043	5.519897	203	0.8565	0.903885	3.394725	117.8781	11.39672
TS15_04_9_6	0.1884	0.0093	4.936306	0.718	0.048	6.685237	203	0.8565	0.828234	3.813328	205.3068	18.92403
TS15_04_10_6	0.195	0.014	7.179487	0.709	0.028	3.949224	203	0.8565	0.817072	2.227353	225.9437	19.39978
TS15_04_11_6	0.183	0.018	9.836066	0.717	0.037	5.160391	203	0.8565	0.826993	2.939852	200.9307	23.34584
TS15_04_12_6	0.184	0.017	9.23913	0.709	0.051	7.19323	203	0.8565	0.817072	4.056964	213.4068	26.62512
TS15_04_13_6	0.1903	0.0097	5.097215	0.714	0.049	6.862745	203	0.8565	0.823273	3.894985	213.2347	20.15134
TS15_04_14_6	0.191	0.01	5.235602	0.726	0.047	6.473829	203	0.8565	0.838155	3.729873	196.256	18.13568
TS15_04_1_7	0.112	0.015	13.39286	0.619	0.034	5.49273	203	0.8565	0.705455	2.758457	209.2288	30.72987
TS15_04_2_7	0.0878	0.0064	7.289294	0.566	0.032	5.65371	203	0.8565	0.639724	2.644609	200.7555	18.33858
TS15_04_3_7	0.0778	0.0051	6.55527	0.518	0.034	6.563707	203	0.8565	0.580195	2.8735	207.1799	18.32876
TS15_04_4_7	0.0672	0.0034	5.059524	0.481	0.038	7.900208	203	0.8565	0.534308	3.281977	198.6449	16.69753
TS15_04_5_7	0.0648	0.0021	3.240741	0.458	0.026	5.676856	203	0.8565	0.505784	2.281227	203.2109	11.54306
TS15_04_6_7	0.0627	0.0013	2.073365	0.435	0.025	5.747126	203	0.8565	0.477259	2.232733	207.8979	10.39396
TS15_04_7_7	0.0622	0.0033	5.305466	0.457	0.028	6.126915	203	0.8565	0.504544	2.458496	195.662	14.35437
TS15_04_8_7	0.0641	0.0046	7.176287	0.44	0.028	6.363636	203	0.8565	0.48346	2.490592	209.9845	18.6186
TS15_04_9_7	0.0691	0.0067	9.696093	0.443	0.034	7.674944	203	0.8565	0.487181	3.017127	224.4796	26.0355
TS15_04_10_7	0.0734	0.0068	9.264305	0.5	0.025	5	203	0.8565	0.557872	2.13415	205.8775	21.30378
TS15_04_11_7	0.0754	0.0057	7.559682	0.53	0.039	7.358491	203	0.8565	0.595078	3.275822	193.8717	19.6588
TS15_04_12_7	0.0836	0.006	7.177033	0.584	0.024	4.109589	203	0.8565	0.662048	1.96973	179.6038	14.89394
TS15_04_13_7	0.0969	0.0062	6.398349	0.586	0.033	5.631399	203	0.8565	0.664528	2.70641	206.221	17.53846
TS15_04_14_7	0.112	0.018	16.07143	0.614	0.045	7.32899	203	0.8565	0.699254	3.656372	213.5615	38.2264
TS15_04_1_8	1.1	0.35	31.81818	0.82	0.23	28.04878	203	0.8565	0.954733	18.12133	313.2548	152.9774
TS15_04_2_8	0.516	0.075	14.53488	0.77	0.068	8.831169	203	0.8565	0.892723	5.371967	347.3129	64.17713
TS15_04_3_8	0.448	0.027	6.026786	0.717	0.037	5.160391	203	0.8565	0.826993	2.939852	481.225	41.9322
TS15_04_4_8	0.439	0.026	5.922551	0.72	0.027	3.75	203	0.8565	0.830714	2.144404	462.1095	34.93685
TS15_04_5_8	0.402	0.019	4.726368	0.794	0.03	3.778338	203	0.8565	0.922488	2.366228	197.803	13.42094
TS15_04_6_8	0.394	0.026	6.598985	0.793	0.04	5.044136	203	0.8565	0.921248	3.155143	196.9811	18.23718
TS15_04_7_8	0.378	0.034	8.994709	0.766	0.047	6.13577	203	0.8565	0.887763	3.714175	267.8511	31.82586
TS15_04_8_8	0.325	0.022	6.769231	0.771	0.05	6.485084	203	0.8565	0.893964	3.949668	218.4129	23.06942
TS15_04_9_8	0.277	0.028	10.1083	0.727	0.066	9.078404	203	0.8565	0.839395	5.23702	280.5889	41.61044
TS15_04_10_8	0.195	0.017	8.717949	0.687	0.06	8.733624	203	0.8565	0.789788	4.790402	258.9753	34.13889
TS15_04_11_8	0.164	0.011	6.707317	0.691	0.038	5.499276	203	0.8565	0.794748	3.031749	213.4223	19.5904

TS15_04_12_8	0.1495	0.0061	4.080268	0.672	0.041	6.10119	203	0.8565	0.771185	3.282933	216.8303	17.02445
TS15_04_13_8	0.1422	0.009	6.329114	0.644	0.05	7.763975	203	0.8565	0.736459	4.029067	237.1657	24.70639
TS15_04_14_8	0.1285	0.0075	5.836576	0.682	0.049	7.184751	203	0.8565	0.783587	3.915793	176.8217	17.48594
TS15_04_1_9	0.498	0.051	10.24096	0.848	0.089	10.49528	203	0.8565	0.989458	7.008604	33.75341	5.872184
TS15_04_2_9	0.361	0.032	8.864266	0.841	0.071	8.442331	203	0.8565	0.980777	5.591503	44.58032	6.380531
TS15_04_3_9	0.318	0.012	3.773585	0.791	0.063	7.964602	203	0.8565	0.918767	4.969907	164.4089	17.68053
TS15_04_4_9	0.3184	0.0096	3.015075	0.759	0.045	5.928854	203	0.8565	0.879081	3.558281	243.5316	19.15392
TS15_04_5_9	0.33	0.025	7.575758	0.759	0.063	8.300395	203	0.8565	0.879081	4.981593	252.2326	32.11576
TS15_04_6_9	0.33	0.023	6.969697	0.756	0.066	8.730159	203	0.8565	0.875361	5.220253	259.8392	33.1986
TS15_04_7_9	0.331	0.025	7.55287	0.743	0.066	8.882907	203	0.8565	0.859238	5.227122	293.5651	38.62101
TS15_04_8_9	0.308	0.02	6.493506	0.843	0.079	9.371293	203	0.8565	0.983257	6.221389	33.1569	4.663956
TS15_04_9_9	0.303	0.014	4.620462	0.864	0.052	6.018519	203	0.8565	1.009301	4.094887	-18.1938	-1.70862
TS15_04_10_9	0.326	0.024	7.361963	0.809	0.052	6.427689	203	0.8565	0.941091	4.098573	122.6255	13.62553
TS15_04_11_9	0.323	0.025	7.739938	0.795	0.058	7.295597	203	0.8565	0.923728	4.574462	156.8877	19.00359
TS15_04_12_9	0.314	0.016	5.095541	0.827	0.051	6.166868	203	0.8565	0.963414	4.017448	73.63356	7.042119
TS15_04_13_9	0.307	0.024	7.81759	0.751	0.045	5.992011	203	0.8565	0.86916	3.560983	253.8738	27.32561
TS15_04_14_9	0.299	0.026	8.695652	0.769	0.056	7.282185	203	0.8565	0.891483	4.424323	205.8419	25.89709
TS15_04_1_10	0.379	0.021	5.540897	0.805	0.059	7.329193	203	0.8565	0.93613	4.651081	154.1875	16.87359
TS15_04_2_10	0.381	0.038	9.973753	0.775	0.062	8	203	0.8565	0.898924	4.896113	243.5893	34.60548
TS15_04_3_10	0.314	0.021	6.687898	0.756	0.034	4.497354	203	0.8565	0.875361	2.689221	247.4797	21.61609
TS15_04_4_10	0.333	0.032	9.60961	0.736	0.044	5.978261	203	0.8565	0.850557	3.4875	313.0758	37.98047
TS15_04_5_10	0.33	0.018	5.454545	0.783	0.027	3.448276	203	0.8565	0.908846	2.131	191.0542	13.40911
TS15_04_6_10	0.309	0.022	7.119741	0.77	0.022	2.857143	203	0.8565	0.892723	1.737989	210.2233	16.90825
TS15_04_7_10	0.236	0.02	8.474576	0.748	0.018	2.406417	203	0.8565	0.865439	1.424825	201.5312	18.2773
TS15_04_8_10	0.186	0.021	11.29032	0.736	0.04	5.434783	203	0.8565	0.850557	3.170455	176.742	23.16142
TS15_04_9_10	0.1573	0.0095	6.039415	0.692	0.043	6.213873	203	0.8565	0.795989	3.430062	203.6219	18.87999
TS15_04_10_10	0.146	0.011	7.534247	0.655	0.026	3.969466	203	0.8565	0.750101	2.089579	231.0096	20.23222
TS15_04_11_10	0.1436	0.0091	6.337047	0.715	0.053	7.412587	203	0.8565	0.824513	4.212336	160.4361	17.10265
TS15_04_12_10	0.1418	0.0089	6.276446	0.709	0.039	5.500705	203	0.8565	0.817072	3.102384	165.083	14.74102
TS15_04_13_10	0.128	0.0082	6.40625	0.698	0.059	8.452722	203	0.8565	0.80343	4.701552	160.1913	18.42851
TS15_04_14_10	0.1227	0.0086	7.008965	0.699	0.041	5.865522	203	0.8565	0.80467	3.266639	152.6788	14.7869
TS15_04_1_11	0.64	0.18	28.125	0.83	0.13	15.66265	203	0.8565	0.967135	10.23986	134.1853	47.00229
TS15_04_2_11	0.375	0.057	15.2	0.812	0.077	9.482759	203	0.8565	0.944811	6.068338	132.0512	25.89798
TS15_04_3_11	0.294	0.018	6.122449	0.775	0.045	5.806452	203	0.8565	0.898924	3.553631	188.772	17.94496
TS15_04_4_11	0.265	0.013	4.90566	0.782	0.052	6.649616	203	0.8565	0.907606	4.104417	155.9357	15.07627
TS15_04_5_11	0.278	0.028	10.07194	0.738	0.046	6.233062	203	0.8565	0.853037	3.645179	258.1343	32.66364

TS15_04_6_11	0.2623	0.0096	3.659931	0.718	0.028	3.899721	203	0.8565	0.828234	2.224441	284.0863	16.71014
TS15_04_7_11	0.263	0.011	4.18251	0.717	0.028	3.90516	203	0.8565	0.826993	2.224753	286.8394	17.88706
TS15_04_8_11	0.266	0.011	4.135338	0.726	0.035	4.820937	203	0.8565	0.838155	2.777565	271.7153	19.19085
TS15_04_9_11	0.249	0.014	5.62249	0.781	0.038	4.865557	203	0.8565	0.906366	2.999581	148.5726	12.34577
TS15_04_10_11	0.261	0.016	6.130268	0.761	0.031	4.073587	203	0.8565	0.881562	2.450822	196.256	15.62201
TS15_04_11_11	0.287	0.018	6.271777	0.725	0.052	7.172414	203	0.8565	0.836915	4.127204	294.8788	31.2038
TS15_04_12_11	0.279	0.025	8.960573	0.699	0.058	8.297568	203	0.8565	0.80467	4.621099	342.0723	45.06581
TS15_04_13_11	0.262	0.024	9.160305	0.817	0.096	11.75031	203	0.8565	0.951012	7.564398	82.21158	14.6164
TS15_04_14_11	0.253	0.015	5.928854	0.783	0.07	8.939974	203	0.8565	0.908846	5.524815	146.9787	18.61559
TS15_04_1_12	0.1453	0.0065	4.473503	0.681	0.066	9.69163	203	0.8565	0.782346	5.275336	200.711	23.32082
TS15_04_2_12	0.1332	0.0099	7.432432	0.693	0.057	8.225108	203	0.8565	0.797229	4.546035	171.8022	20.41427
TS15_04_3_12	0.1267	0.009	7.103394	0.629	0.039	6.200318	203	0.8565	0.717857	3.155092	226.4204	21.85828
TS15_04_4_12	0.1105	0.0054	4.886878	0.66	0.039	5.909091	203	0.8565	0.756302	3.130809	171.2966	13.77355
TS15_04_5_12	0.105	0.0072	6.857143	0.624	0.044	7.051282	203	0.8565	0.711656	3.564593	192.2765	19.27704
TS15_04_6_12	0.098	0.0058	5.918367	0.63	0.048	7.619048	203	0.8565	0.719097	3.882121	175.0616	17.30169
TS15_04_7_12	0.0967	0.0035	3.619442	0.545	0.036	6.605505	203	0.8565	0.61368	3.002273	236.4302	16.86191
TS15_04_8_12	0.0928	0.0048	5.172414	0.556	0.039	7.014388	203	0.8565	0.627323	3.236624	219.1772	18.44673
TS15_04_9_12	0.0832	0.0063	7.572115	0.58	0.047	8.103448	203	0.8565	0.657087	3.863103	181.3437	19.86583
TS15_04_10_12	0.0789	0.0048	6.08365	0.588	0.037	6.292517	203	0.8565	0.667009	3.03228	167.1801	14.53237
TS15_04_11_12	0.0814	0.0031	3.808354	0.596	0.03	5.033557	203	0.8565	0.67693	2.451756	167.3363	10.51685
TS15_04_12_12	0.0843	0.0048	5.69395	0.561	0.028	4.991087	203	0.8565	0.633524	2.318807	196.1409	14.60861
TS15_04_13_12	0.0805	0.0043	5.341615	0.573	0.042	7.329843	203	0.8565	0.648406	3.461386	179.9207	15.93417
TS15_04_14_12	0.0768	0.0054	7.03125	0.585	0.028	4.786325	203	0.8565	0.663288	2.29718	164.5819	13.98636
TS15_04_1_13	0.658	0.077	11.70213	0.78	0.13	16.66667	203	0.8565	0.905125	10.26242	390.3715	94.38635
TS15_04_2_13	0.618	0.041	6.634304	0.844	0.091	10.78199	203	0.8565	0.984498	7.166337	61.46575	9.746744
TS15_04_3_13	0.55	0.051	9.272727	0.797	0.051	6.398996	203	0.8565	0.926209	4.021952	256.4596	32.03657
TS15_04_4_13	0.46	0.042	9.130435	0.756	0.049	6.481481	203	0.8565	0.875361	3.875643	359.392	44.11538
TS15_04_5_13	0.407	0.023	5.651106	0.738	0.04	5.420054	203	0.8565	0.853037	3.169721	374.493	32.66309
TS15_04_6_13	0.34	0.03	8.823529	0.747	0.019	2.543507	203	0.8565	0.864199	1.504138	290.9788	27.68775
TS15_04_7_13	0.288	0.015	5.208333	0.754	0.056	7.427056	203	0.8565	0.87288	4.430146	231.7886	24.21052
TS15_04_8_13	0.263	0.018	6.844106	0.786	0.039	4.961832	203	0.8565	0.912567	3.077525	146.5567	13.63019
TS15_04_9_13	0.232	0.014	6.034483	0.762	0.042	5.511811	203	0.8565	0.882802	3.320178	172.9371	15.70798
TS15_04_10_13	0.206	0.012	5.825243	0.745	0.046	6.174497	203	0.8565	0.861719	3.642362	181.0654	17.10543
TS15_04_11_13	0.198	0.012	6.060606	0.756	0.056	7.407407	203	0.8565	0.875361	4.429306	157.1569	17.05301

TS15_04_12_13	0.202	0.012	5.940594	0.726	0.053	7.300275	203	0.8565	0.838155	4.206027	207.3788	21.6671
TS15_04_13_13	0.201	0.015	7.462687	0.75	0.077	10.26667	203	0.8565	0.86792	6.093846	168.9081	24.41132
TS15_04_14_13	0.209	0.017	8.133971	0.764	0.071	9.293194	203	0.8565	0.885282	5.611716	152.7354	21.38791
TS15_04_1_14	0.098	0.0044	4.489796	0.603	0.045	7.462687	203	0.8565	0.685612	3.669068	195.6162	17.06361
TS15_04_2_14	0.0964	0.0047	4.875519	0.602	0.047	7.807309	203	0.8565	0.684371	3.833391	193.2177	17.79636
TS15_04_3_14	0.0944	0.0087	9.216102	0.572	0.029	5.06993	203	0.8565	0.647166	2.39094	211.216	22.25494
TS15_04_4_14	0.0831	0.0039	4.693141	0.565	0.039	6.902655	203	0.8565	0.638484	3.224431	190.8109	15.42769
TS15_04_5_14	0.0742	0.006	8.086253	0.576	0.026	4.513889	203	0.8565	0.652126	2.140278	164.285	15.20623
TS15_04_6_14	0.0739	0.0049	6.630582	0.502	0.035	6.972112	203	0.8565	0.560352	2.984342	206.1133	18.65811
TS15_04_7_14	0.0853	0.0063	7.385698	0.529	0.03	5.671078	203	0.8565	0.593837	2.521119	219.5585	19.94188
TS15_04_8_14	0.0924	0.0052	5.627706	0.562	0.035	6.227758	203	0.8565	0.634764	2.8973	213.9621	17.54923
TS15_04_9_14	0.1004	0.0065	6.474104	0.574	0.026	4.529617	203	0.8565	0.649646	2.141929	222.8591	17.57927
TS15_04_10_14	0.1082	0.0068	6.284658	0.63	0.046	7.301587	203	0.8565	0.719097	3.720365	193.0121	19.05483
TS15_04_11_14	0.1191	0.0065	5.457599	0.612	0.039	6.372549	203	0.8565	0.696773	3.170797	228.7025	19.44889
TS15_04_12_14	0.1199	0.0098	8.173478	0.596	0.02	3.355705	203	0.8565	0.67693	1.634504	244.9937	21.94437
TS15_04_13_14	0.1242	0.0053	4.267311	0.624	0.056	8.974359	203	0.8565	0.711656	4.536755	226.8237	23.10676
TS15_04_14_14	0.1215	0.0092	7.572016	0.666	0.065	9.75976	203	0.8565	0.763744	5.21118	182.4392	23.79465
TS15_04_1_15	0.453	0.072	15.89404	0.776	0.043	5.541237	203	0.8565	0.900165	3.395444	285.1416	50.19417
TS15_04_2_15	0.329	0.03	9.118541	0.783	0.027	3.448276	203	0.8565	0.908846	2.131	190.4837	19.42973
TS15_04_3_15	0.31	0.021	6.774194	0.779	0.054	6.931964	203	0.8565	0.903885	4.263143	189.2688	20.88265
TS15_04_4_15	0.3	0.019	6.333333	0.739	0.053	7.171854	203	0.8565	0.854278	4.199401	275.83	29.57651
TS15_04_5_15	0.263	0.022	8.365019	0.779	0.062	7.958922	203	0.8565	0.903885	4.89472	160.9282	20.94881
TS15_04_6_15	0.234	0.014	5.982906	0.82	0.05	6.097561	203	0.8565	0.954733	3.939419	67.92435	6.75174
TS15_04_7_15	0.2283	0.0088	3.854577	0.8	0.032	4	203	0.8565	0.929929	2.523201	102.3082	6.545188
TS15_04_8_15	0.235	0.014	5.957447	0.754	0.051	6.763926	203	0.8565	0.87288	4.034598	189.754	19.28654
TS15_04_9_15	0.2283	0.0091	3.985983	0.726	0.04	5.509642	203	0.8565	0.838155	3.17436	233.8949	17.83071
TS15_04_10_15	0.198	0.019	9.59596	0.735	0.059	8.027211	203	0.8565	0.849317	4.676971	189.5173	25.72225
TS15_04_11_15	0.163	0.012	7.361963	0.685	0.04	5.839416	203	0.8565	0.787307	3.194773	219.7034	21.74924
TS15_04_12_15	0.144	0.018	12.5	0.693	0.046	6.637807	203	0.8565	0.797229	3.66873	185.5335	27.22517
TS15_04_13_15	0.151	0.011	7.284768	0.706	0.062	8.78187	203	0.8565	0.813351	4.934264	179.1723	22.24718
TS15_04_14_15	0.14	0.013	9.285714	0.68	0.062	9.117647	203	0.8565	0.781106	4.956567	194.5846	26.77745
TS15_04_1_16	0.265	0.012	4.528302	0.742	0.041	5.525606	203	0.8565	0.857998	3.247506	238.1289	19.17845
TS15_04_2_16	0.193	0.046	23.8342	0.699	0.039	5.579399	203	0.8565	0.80467	3.107291	238.5527	59.58261
TS15_04_3_16	0.175	0.051	29.14286	0.724	0.06	8.287293	203	0.8565	0.835675	4.762783	182.7636	56.58834

TS15_04_4_16	0.286	0.024	8.391608	0.762	0.039	5.11811	203	0.8565	0.882802	3.083022	212.5327	22.46161
TS15_04_5_16	0.301	0.021	6.976744	0.768	0.039	5.078125	203	0.8565	0.890243	3.081472	209.5268	19.7948
TS15_04_6_16	0.304	0.019	6.25	0.808	0.064	7.920792	203	0.8565	0.939851	5.044601	116.8104	13.97451
TS15_04_7_16	0.296	0.019	6.418919	0.836	0.03	3.588517	203	0.8565	0.974576	2.362776	48.33073	3.865655
TS15_04_8_16	0.291	0.013	4.467354	0.806	0.066	8.188586	203	0.8565	0.93737	5.20268	116.4296	13.29034
TS15_04_9_16	0.279	0.013	4.659498	0.747	0.05	6.69344	203	0.8565	0.864199	3.958257	239.7313	22.3973
TS15_04_10_16	0.296	0.026	8.783784	0.748	0.051	6.818182	203	0.8565	0.865439	4.037005	251.779	30.56108
TS15_04_11_16	0.325	0.018	5.538462	0.75	0.044	5.866667	203	0.8565	0.86792	3.482198	270.9449	24.57606
TS15_04_12_16	0.298	0.036	12.08054	0.742	0.026	3.504043	203	0.8565	0.857998	2.059394	267.1761	34.72354
TS15_04_13_16	0.293	0.035	11.94539	0.767	0.086	11.21252	203	0.8565	0.889003	6.795591	206.3143	37.82426
TS15_04_14_16	0.333	0.029	8.708709	0.76	0.061	8.026316	203	0.8565	0.880322	4.823014	251.9212	33.30081
TS15_04_1_17	0.647	0.034	5.255023	0.94	0.18	19.14894	203	0.8565	1.103556	14.2087	-447.064	-126.044
TS15_04_2_17	0.576	0.058	10.06944	0.764	0.043	5.628272	203	0.8565	0.885282	3.398645	412.4797	51.5433
TS15_04_3_17	0.497	0.065	13.07847	0.699	0.048	6.866953	203	0.8565	0.80467	3.824358	597.2683	94.12549
TS15_04_4_17	0.384	0.031	8.072917	0.761	0.033	4.336399	203	0.8565	0.881562	2.60894	286.7132	28.12067
TS15_04_5_17	0.345	0.037	10.72464	0.821	0.027	3.288672	203	0.8565	0.955973	2.127223	97.17995	11.28737
TS15_04_6_17	0.352	0.03	8.522727	0.779	0.046	5.905006	203	0.8565	0.903885	3.631566	214.4895	24.37593
TS15_04_7_17	0.343	0.034	9.912536	0.737	0.037	5.020353	203	0.8565	0.851797	2.93233	319.6373	37.6321
TS15_04_8_17	0.309	0.028	9.061489	0.768	0.058	7.552083	203	0.8565	0.890243	4.582701	215.0038	28.11679
TS15_04_9_17	0.266	0.027	10.15038	0.793	0.061	7.692308	203	0.8565	0.921248	4.811593	133.645	18.8604
TS15_04_10_17	0.247	0.037	14.97976	0.735	0.058	7.891156	203	0.8565	0.849317	4.5977	235.5704	42.03455
TS15_04_11_17	0.2	0.011	5.5	0.693	0.027	3.896104	203	0.8565	0.797229	2.153385	256.2675	18.23653
TS15_04_12_17	0.183	0.014	7.650273	0.73	0.037	5.068493	203	0.8565	0.843116	2.934794	182.4683	17.82132
TS15_04_13_17	0.188	0.011	5.851064	0.74	0.069	9.324324	203	0.8565	0.855518	5.466529	172.7659	21.67661
TS15_04_14_17	0.185	0.012	6.486486	0.752	0.057	7.579787	203	0.8565	0.8704	4.510132	152.7354	17.14922
TS15_04_1_18	0.1118	0.0051	4.561717	0.587	0.02	3.407155	203	0.8565	0.665768	1.639657	236.4922	13.51893
TS15_04_2_18	0.1071	0.0047	4.388422	0.597	0.018	3.015075	203	0.8565	0.67817	1.470555	218.4512	11.72751
TS15_04_3_18	0.1034	0.0036	3.481625	0.575	0.024	4.173913	203	0.8565	0.650886	1.976401	228.6033	12.24605
TS15_04_4_18	0.106	0.0035	3.301887	0.573	0.03	5.235602	203	0.8565	0.648406	2.472419	235.8826	14.26933
TS15_04_5_18	0.1026	0.0031	3.021442	0.57	0.027	4.736842	203	0.8565	0.644685	2.227806	230.8237	12.63904
TS15_04_6_18	0.094	0.007	7.446809	0.605	0.025	4.132231	203	0.8565	0.688092	2.037051	186.287	16.02358
TS15_04_7_18	0.0944	0.0037	3.919492	0.566	0.037	6.537102	203	0.8565	0.639724	3.057829	215.5968	15.90584
TS15_04_8_18	0.0921	0.0053	5.754615	0.591	0.035	5.922166	203	0.8565	0.670729	2.865329	192.5872	15.85711
TS15_04_9_18	0.0955	0.0052	5.445026	0.607	0.023	3.789127	203	0.8565	0.690572	1.872887	187.7334	12.57749
TS15_04_10_18	0.0984	0.0035	3.556911	0.566	0.026	4.59364	203	0.8565	0.639724	2.148745	224.5749	12.73617

TS15_04_11_18	0.0907	0.0038	4.189636	0.587	0.031	5.28109	203	0.8565	0.665768	2.541469	192.5182	12.8597
TS15_04_12_18	0.0949	0.0037	3.898841	0.57	0.048	8.421053	203	0.8565	0.644685	3.960544	213.7846	19.16219
TS15_04_13_18	0.0885	0.0051	5.762712	0.586	0.053	9.044369	203	0.8565	0.664528	4.346658	188.6031	19.93084
TS15_04_14_18	0.1019	0.007	6.86948	0.583	0.034	5.831904	203	0.8565	0.660808	2.791475	219.0478	19.69334
TS15_04_1_19	0.461	0.042	9.110629	0.72	0.11	15.27778	203	0.8565	0.830714	8.736462	484.4184	98.38064
TS15_04_2_19	0.369	0.029	7.859079	0.81	0.12	14.81481	203	0.8565	0.942331	9.457871	135.7393	28.03779
TS15_04_3_19	0.353	0.014	3.966006	0.725	0.062	8.551724	203	0.8565	0.836915	4.920897	360.8247	39.25856
TS15_04_4_19	0.343	0.023	6.705539	0.745	0.053	7.114094	203	0.8565	0.861719	4.196635	298.7269	32.76391
TS15_04_5_19	0.308	0.028	9.090909	0.722	0.049	6.786704	203	0.8565	0.833194	3.890642	322.9649	39.51019
TS15_04_6_19	0.262	0.017	6.48855	0.783	0.044	5.619413	203	0.8565	0.908846	3.472741	152.1459	14.61657
TS15_04_7_19	0.26	0.017	6.538462	0.734	0.06	8.174387	203	0.8565	0.848077	4.756807	249.7335	29.32773
TS15_04_8_19	0.244	0.015	6.147541	0.739	0.078	10.5548	203	0.8565	0.854278	6.180251	225.2297	31.56479
TS15_04_9_19	0.239	0.015	6.276151	0.754	0.067	8.885942	203	0.8565	0.87288	5.300354	192.936	24.08258
TS15_04_10_19	0.224	0.018	8.035714	0.706	0.054	7.648725	203	0.8565	0.813351	4.297585	264.0383	31.63524
TS15_04_11_19	0.209	0.016	7.655502	0.699	0.052	7.439199	203	0.8565	0.80467	4.143055	257.9384	29.62049
TS15_04_12_19	0.183	0.011	6.010929	0.696	0.041	5.890805	203	0.8565	0.800949	3.268276	230.6432	20.81871
TS15_04_13_19	0.165	0.013	7.878788	0.706	0.037	5.240793	203	0.8565	0.813351	2.944641	195.5348	19.49916
TS15_04_14_19	0.142	0.0086	6.056338	0.684	0.046	6.725146	203	0.8565	0.786067	3.67467	192.9166	18.62265
TS15_04_1_20	0.264	0.016	6.060606	0.763	0.045	5.897772	203	0.8565	0.884042	3.557025	194.3829	18.41663
TS15_04_2_20	0.267	0.034	12.73408	0.758	0.067	8.83905	203	0.8565	0.877841	5.298367	206.9027	34.73868
TS15_04_3_20	0.249	0.039	15.66265	0.757	0.046	6.076618	203	0.8565	0.876601	3.638019	195.0927	34.11745
TS15_04_4_20	0.2271	0.0098	4.31528	0.708	0.044	6.214689	203	0.8565	0.815832	3.500658	264.133	22.13637
TS15_04_5_20	0.186	0.02	10.75269	0.745	0.072	9.66443	203	0.8565	0.861719	5.701089	163.7075	25.93352
TS15_04_6_20	0.146	0.017	11.64384	0.699	0.055	7.868383	203	0.8565	0.80467	4.382077	181.2675	26.73657
TS15_04_7_20	0.139	0.013	9.352518	0.679	0.035	5.154639	203	0.8565	0.779866	2.798602	194.2937	21.46357
TS15_04_8_20	0.1332	0.0096	7.207207	0.709	0.054	7.616361	203	0.8565	0.817072	4.295609	155.1905	17.59014
TS15_04_9_20	0.1428	0.0047	3.291317	0.642	0.03	4.672897	203	0.8565	0.733979	2.418657	240.3483	14.31194
TS15_04_10_20	0.1251	0.0094	7.513989	0.647	0.048	7.418856	203	0.8565	0.74018	3.865037	206.1977	22.5485
TS15_04_11_20	0.11	0.013	11.81818	0.651	0.066	10.13825	203	0.8565	0.745141	5.309298	178.2353	28.64912
TS15_04_12_20	0.0926	0.0058	6.263499	0.64	0.033	5.15625	203	0.8565	0.731499	2.66188	158.3186	13.16199
TS15_04_13_20	0.1006	0.0077	7.654076	0.618	0.037	5.987055	203	0.8565	0.704214	3.002738	189.0212	18.6349
TS15_04_14_20	0.103	0.011	10.67961	0.625	0.061	9.76	203	0.8565	0.712896	4.940416	187.8674	27.67626
TS15_04_1_21	0.492	0.047	9.552846	0.806	0.054	6.699752	203	0.8565	0.93737	4.256738	195.6395	25.36768
TS15_04_2_21	0.579	0.055	9.499136	0.789	0.045	5.703422	203	0.8565	0.916287	3.550346	305.12	36.95039

TS15_04_3_21	0.578	0.049	8.477509	0.788	0.048	6.091371	203	0.8565	0.915047	3.787261	309.0115	35.88533
TS15_04_4_21	0.543	0.031	5.709024	0.737	0.021	2.849389	203	0.8565	0.851797	1.664295	498.9522	34.19213
TS15_04_5_21	0.484	0.052	10.7438	0.777	0.048	6.177606	203	0.8565	0.901405	3.789992	300.5089	40.32177
TS15_04_6_21	0.573	0.059	10.29668	0.769	0.034	4.421326	203	0.8565	0.891483	2.686196	388.8701	46.38598
TS15_04_7_21	0.586	0.049	8.361775	0.826	0.038	4.600484	203	0.8565	0.962174	2.993466	141.3302	14.6783
TS15_04_8_21	0.552	0.051	9.23913	0.839	0.039	4.648391	203	0.8565	0.978297	3.071469	76.77068	8.562875
TS15_04_9_21	0.522	0.032	6.130268	0.81	0.041	5.061728	203	0.8565	0.942331	3.231439	191.1939	17.26312
TS15_04_10_21	0.461	0.029	6.290672	0.802	0.013	1.620948	203	0.8565	0.93241	1.024953	197.7991	13.27604
TS15_04_11_21	0.436	0.023	5.275229	0.779	0.027	3.465982	203	0.8565	0.903885	2.131572	264.6368	18.29654
TS15_04_12_21	0.419	0.029	6.921241	0.779	0.049	6.290116	203	0.8565	0.903885	3.868408	254.5194	26.8936
TS15_04_13_21	0.378	0.029	7.671958	0.77	0.053	6.883117	203	0.8565	0.892723	4.186975	256.2445	29.61973
TS15_04_14_21	0.35	0.028	8	0.831	0.078	9.386282	203	0.8565	0.968375	6.143785	70.96146	10.45361
TS15_04_1_22	0.45	0.1	22.22222	1.14	0.63	55.26316	203	0.8565	1.351594	50.73174	-1110.29	-1157.33
TS15_04_2_22	0.324	0.028	8.641975	0.777	0.081	10.42471	203	0.8565	0.901405	6.395611	202.7089	31.71112
TS15_04_3_22	0.266	0.017	6.390977	0.762	0.055	7.217848	203	0.8565	0.882802	4.347852	197.896	21.65105
TS15_04_4_22	0.24	0.011	4.583333	0.754	0.058	7.692308	203	0.8565	0.87288	4.588366	193.7313	20.14239
TS15_04_5_22	0.242	0.015	6.198347	0.694	0.035	5.043228	203	0.8565	0.798469	2.790943	306.9688	26.17137
TS15_04_6_22	0.228	0.015	6.578947	0.764	0.057	7.460733	203	0.8565	0.885282	4.50518	166.4427	18.78371
TS15_04_7_22	0.225	0.017	7.555556	0.756	0.067	8.862434	203	0.8565	0.875361	5.299348	178.2936	23.48793
TS15_04_8_22	0.235	0.015	6.382979	0.713	0.025	3.506311	203	0.8565	0.822033	1.987526	264.1188	20.24118
TS15_04_9_22	0.2446	0.0083	3.393295	0.73	0.037	5.068493	203	0.8565	0.843116	2.934794	242.7455	16.74983
TS15_04_10_22	0.238	0.018	7.563025	0.742	0.032	4.312668	203	0.8565	0.857998	2.534639	214.2653	19.80574
TS15_04_11_22	0.247	0.017	6.882591	0.782	0.039	4.987212	203	0.8565	0.907606	3.078313	145.4625	13.57099
TS15_04_12_22	0.268	0.0069	2.574627	0.76	0.042	5.526316	203	0.8565	0.880322	3.320764	203.5146	14.71101
TS15_04_13_22	0.25	0.017	6.8	0.771	0.031	4.020752	203	0.8565	0.893964	2.448794	168.6627	14.30478
TS15_04_14_22	0.267	0.015	5.617978	0.757	0.022	2.906209	203	0.8565	0.876601	1.739922	208.9696	14.02056
TS15_04_1_23	0.1396	0.0092	6.590258	0.673	0.029	4.309064	203	0.8565	0.772425	2.321602	201.6133	16.48917
TS15_04_2_23	0.1246	0.0055	4.414125	0.649	0.045	6.933744	203	0.8565	0.74266	3.621711	203.4565	17.50949
TS15_04_3_23	0.1237	0.0063	5.092967	0.625	0.04	6.4	203	0.8565	0.712896	3.239617	224.9714	18.84029
TS15_04_4_23	0.1139	0.0072	6.321335	0.636	0.036	5.660377	203	0.8565	0.726538	2.906893	197.7251	17.22136
TS15_04_5_23	0.105	0.0068	6.47619	0.634	0.04	6.309148	203	0.8565	0.724057	3.231597	184.1235	17.06672
TS15_04_6_23	0.1081	0.0041	3.792784	0.61	0.025	4.098361	203	0.8565	0.694293	2.033824	209.5899	11.83716
TS15_04_7_23	0.1007	0.006	5.958292	0.589	0.02	3.395586	203	0.8565	0.668249	1.638487	211.8384	14.62767
TS15_04_8_23	0.0973	0.0058	5.960946	0.608	0.038	6.25	203	0.8565	0.691813	3.093355	190.4647	16.58592
TS15_04_9_23	0.1023	0.0075	7.331378	0.594	0.038	6.397306	203	0.8565	0.67445	3.107685	211.1924	20.60186

TS15_04_10_23	0.1046	0.0051	4.875717	0.57	0.019	3.333333	203	0.8565	0.644685	1.567715	235.242	13.87357
TS15_04_11_23	0.1038	0.0054	5.202312	0.578	0.019	3.287197	203	0.8565	0.654607	1.562857	227.0691	14.01143
TS15_04_12_23	0.099	0.0052	5.252525	0.637	0.051	8.006279	203	0.8565	0.727778	4.117016	171.4309	16.94545
TS15_04_13_23	0.1052	0.0078	7.414449	0.594	0.036	6.060606	203	0.8565	0.67445	2.944123	217.0796	20.86954
TS15_04_14_23	0.103	0.0076	7.378641	0.617	0.036	5.834684	203	0.8565	0.702974	2.922453	194.2627	18.53786
TS15_04_1_24	0.369	0.029	7.859079	0.803	0.095	11.83064	203	0.8565	0.93365	7.489697	155.9279	26.64306
TS15_04_2_24	0.354	0.037	10.45198	0.836	0.073	8.732057	203	0.8565	0.974576	5.749422	57.75863	9.009269
TS15_04_3_24	0.345	0.035	10.14493	0.837	0.079	9.438471	203	0.8565	0.975816	6.221878	53.56179	8.62945
TS15_04_4_24	0.318	0.023	7.232704	0.833	0.081	9.72389	203	0.8565	0.970856	6.379833	59.46987	8.756857
TS15_04_5_24	0.315	0.017	5.396825	0.79	0.081	10.25316	203	0.8565	0.917527	6.390248	165.3324	23.19185
TS15_04_6_24	0.294	0.023	7.823129	0.769	0.035	4.551365	203	0.8565	0.891483	2.765202	202.4532	19.67384
TS15_04_7_24	0.253	0.017	6.719368	0.779	0.068	8.72914	203	0.8565	0.903885	5.368402	154.8822	19.82451
TS15_04_8_24	0.234	0.014	5.982906	0.76	0.1	13.15789	203	0.8565	0.880322	7.90658	178.0486	30.45046
TS15_04_9_24	0.227	0.015	6.60793	0.741	0.06	8.097166	203	0.8565	0.856758	4.752973	206.2755	24.22121
TS15_04_10_24	0.209	0.012	5.741627	0.786	0.072	9.160305	203	0.8565	0.912567	5.681584	116.7358	14.98003
TS15_04_11_24	0.195	0.016	8.205128	0.78	0.075	9.615385	203	0.8565	0.905125	5.920626	118.1724	17.15833
TS15_04_12_24	0.1833	0.009	4.909984	0.796	0.051	6.407035	203	0.8565	0.924968	4.02216	88.05523	8.350189
TS15_04_13_24	0.185	0.01	5.405405	0.782	0.055	7.033248	203	0.8565	0.907606	4.34121	109.257	11.25971
TS15_04_14_24	0.1879	0.0072	3.831825	0.759	0.046	6.060606	203	0.8565	0.879081	3.637354	144.8273	12.0315
TS15_04_1_25	0.146	0.01	6.849315	0.704	0.056	7.954545	203	0.8565	0.810871	4.458151	175.5906	19.98265
TS15_04_2_25	0.1544	0.0046	2.979275	0.639	0.024	3.755869	203	0.8565	0.730258	1.936411	263.0406	13.10515
TS15_04_3_25	0.1498	0.0082	5.473965	0.631	0.015	2.377179	203	0.8565	0.720337	1.212831	264.5593	16.14932
TS15_04_4_25	0.1395	0.0068	4.874552	0.673	0.035	5.200594	203	0.8565	0.772425	2.801933	201.4712	15.18224
TS15_04_5_25	0.1386	0.007	5.050505	0.694	0.059	8.501441	203	0.8565	0.798469	4.704733	177.5937	19.20065
TS15_04_6_25	0.1398	0.0075	5.364807	0.667	0.026	3.898051	203	0.8565	0.764984	2.084028	208.3937	14.37285
TS15_04_7_25	0.1455	0.0087	5.979381	0.637	0.022	3.453689	203	0.8565	0.727778	1.775968	250.4045	17.73338
TS15_04_8_25	0.157	0.012	7.643312	0.649	0.042	6.471495	203	0.8565	0.74266	3.380264	255.3263	26.52212
TS15_04_9_25	0.1454	0.0056	3.851444	0.705	0.013	1.843972	203	0.8565	0.812111	1.034765	173.7473	7.695373
TS15_04_10_25	0.1475	0.0068	4.610169	0.68	0.028	4.117647	203	0.8565	0.781106	2.23845	204.8449	13.36131
TS15_04_11_25	0.1477	0.0083	5.619499	0.651	0.034	5.222734	203	0.8565	0.745141	2.735093	238.2048	19.00214
TS15_04_12_25	0.141	0.01	7.092199	0.631	0.045	7.131537	203	0.8565	0.720337	3.638492	249.3143	25.77845
TS15_04_13_25	0.1298	0.003	2.311248	0.661	0.023	3.479576	203	0.8565	0.757543	1.845964	199.748	8.830587
TS15_04_14_25	0.1266	0.0041	3.238547	0.666	0.048	7.207207	203	0.8565	0.763744	3.848256	189.9854	16.08001
TS15_04_1_26	1.35	0.25	18.51852	0.809	0.025	3.090235	203	0.8565	0.941091	1.970468	493.3004	96.34057

TS15_04_2_26	0.61	0.22	36.06557	0.802	0.023	2.86783	203	0.8565	0.93241	1.813379	260.4535	95.62812
TS15_04_3_26	0.222	0.048	21.62162	0.732	0.039	5.327869	203	0.8565	0.845596	3.09267	217.2651	49.5028
TS15_04_4_26	0.127	0.02	15.74803	0.652	0.024	3.680982	203	0.8565	0.746381	1.930196	204.3627	33.57918
TS15_04_5_26	0.0878	0.0078	8.883827	0.608	0.012	1.973684	203	0.8565	0.691813	0.976849	172.1144	15.8471
TS15_04_6_26	0.0772	0.0033	4.274611	0.572	0.035	6.118881	203	0.8565	0.647166	2.885618	173.2438	12.59854
TS15_04_7_26	0.0716	0.0042	5.865922	0.546	0.019	3.479853	203	0.8565	0.614921	1.58381	175.3323	11.83814
TS15_04_8_26	0.085	0.012	14.11765	0.538	0.038	7.063197	203	0.8565	0.604999	3.179433	212.8847	33.4258
TS15_04_9_26	0.127	0.017	13.38583	0.591	0.036	6.091371	203	0.8565	0.670729	2.947195	264.0881	39.30794
TS15_04_10_26	0.091	0.026	28.57143	0.546	0.055	10.07326	203	0.8565	0.614921	4.584713	222.0288	67.43034
TS15_04_11_26	0.059	0.014	23.72881	0.381	0.068	17.84777	203	0.8565	0.410289	6.389433	220.4761	60.16665
TS15_04_12_26	0.0446	0.0031	6.950673	0.412	0.091	22.08738	203	0.8565	0.448735	8.290827	156.5772	28.4337
TS15_04_13_26	0.131	0.036	27.48092	0.706	0.049	6.94051	203	0.8565	0.813351	3.89966	155.725	44.86993
TS15_04_14_26	0.15	0.029	19.33333	0.709	0.052	7.334274	203	0.8565	0.817072	4.136512	174.5013	37.09024
TS15_04_1_27	0.1745	0.0063	3.610315	0.762	0.049	6.430446	203	0.8565	0.882802	3.873541	130.506	11.25822
TS15_04_2_27	0.1669	0.0079	4.733373	0.715	0.053	7.412587	203	0.8565	0.824513	4.212336	186.0955	18.21933
TS15_04_3_27	0.142	0.011	7.746479	0.674	0.036	5.341246	203	0.8565	0.773665	2.881406	203.9251	19.97261
TS15_04_4_27	0.1257	0.0074	5.887033	0.687	0.024	3.49345	203	0.8565	0.789788	1.916161	168.1265	11.95434
TS15_04_5_27	0.1167	0.0073	6.255356	0.667	0.028	4.197901	203	0.8565	0.764984	2.244338	174.4208	13.59798
TS15_04_6_27	0.1209	0.0091	7.526882	0.663	0.053	7.993967	203	0.8565	0.760023	4.251871	184.3694	21.20508
TS15_04_7_27	0.1309	0.0085	6.493506	0.659	0.045	6.828528	203	0.8565	0.755062	3.613281	203.4429	20.04926
TS15_04_8_27	0.1302	0.008	6.144393	0.668	0.049	7.335329	203	0.8565	0.766224	3.926762	193.2867	19.53587
TS15_04_9_27	0.1296	0.0057	4.398148	0.624	0.046	7.371795	203	0.8565	0.711656	3.72662	236.5068	20.81414
TS15_04_10_27	0.149	0.012	8.053691	0.71	0.029	4.084507	203	0.8565	0.818312	2.306554	172.1938	16.17689
TS15_04_11_27	0.164	0.012	7.317073	0.723	0.052	7.192254	203	0.8565	0.834434	4.128292	172.7036	19.28176
TS15_04_12_27	0.163	0.014	8.588957	0.719	0.061	8.484006	203	0.8565	0.829474	4.845432	176.7381	23.16121
TS15_04_13_27	0.1728	0.0067	3.877315	0.686	0.056	8.163265	203	0.8565	0.788547	4.471858	231.3443	22.9202
TS15_04_14_27	0.1557	0.0091	5.844573	0.704	0.031	4.403409	203	0.8565	0.810871	2.467905	187.0889	14.50552
TS15_04_1_28	0.643	0.046	7.153966	0.803	0.03	3.73599	203	0.8565	0.93365	2.365168	269.3196	23.54427
TS15_04_2_28	0.593	0.038	6.408094	0.805	0.035	4.347826	203	0.8565	0.93613	2.759116	239.6466	20.61443
TS15_04_3_28	0.585	0.042	7.179487	0.779	0.044	5.648267	203	0.8565	0.903885	3.473672	352.64	36.11069
TS15_04_4_28	0.554	0.033	5.956679	0.795	0.053	6.666667	203	0.8565	0.923728	4.180112	266.7926	27.90108
TS15_04_5_28	0.515	0.032	6.213592	0.775	0.047	6.064516	203	0.8565	0.898924	3.71157	327.1192	32.40236
TS15_04_6_28	0.443	0.026	5.869074	0.817	0.041	5.01836	203	0.8565	0.951012	3.230628	138.4004	12.19991
TS15_04_7_28	0.453	0.019	4.19426	0.767	0.018	2.346806	203	0.8565	0.889003	1.422333	316.2508	16.40613
TS15_04_8_28	0.447	0.016	3.579418	0.782	0.021	2.685422	203	0.8565	0.907606	1.657553	260.8873	12.97602

TS15_04_9_28	0.418	0.025	5.980861	0.754	0.042	5.570292	203	0.8565	0.87288	3.32261	333.7461	30.55142
TS15_04_10_28	0.385	0.031	8.051948	0.784	0.046	5.867347	203	0.8565	0.910086	3.630358	219.3789	24.14941
TS15_04_11_28	0.355	0.032	9.014085	0.806	0.042	5.210918	203	0.8565	0.93737	3.310796	141.7564	16.01085
TS15_04_12_28	0.382	0.018	4.712042	0.764	0.021	2.748691	203	0.8565	0.885282	1.659803	276.4811	16.26239
TS15_04_13_28	0.34	0.033	9.705882	0.798	0.053	6.641604	203	0.8565	0.927449	4.179463	157.0867	20.33661
TS15_04_14_28	0.318	0.0099	3.113208	0.799	0.024	3.003755	203	0.8565	0.928689	1.892493	144.5518	7.16029
TS15_04_1_29	0.689	0.06	8.708273	0.849	0.081	9.540636	203	0.8565	0.990699	6.378577	41.18124	6.378059
TS15_04_2_29	0.552	0.063	11.41304	0.793	0.031	3.909206	203	0.8565	0.921248	2.445236	274.3132	34.70213
TS15_04_3_29	0.437	0.024	5.491991	0.815	0.041	5.030675	203	0.8565	0.948532	3.230845	143.383	12.28382
TS15_04_4_29	0.395	0.014	3.544304	0.816	0.032	3.921569	203	0.8565	0.949772	2.521549	126.6444	7.878733
TS15_04_5_29	0.357	0.014	3.921569	0.813	0.034	4.182042	203	0.8565	0.946052	2.679427	122.9746	8.239226
TS15_04_6_29	0.337	0.011	3.264095	0.752	0.04	5.319149	203	0.8565	0.8704	3.165005	275.5734	20.02084
TS15_04_7_29	0.312	0.029	9.294872	0.818	0.037	4.523227	203	0.8565	0.952253	2.915351	95.32508	10.52848
TS15_04_8_29	0.296	0.014	4.72973	0.805	0.043	5.341615	203	0.8565	0.93613	3.389771	120.7348	10.06654
TS15_04_9_29	0.303	0.017	5.610561	0.782	0.027	3.452685	203	0.8565	0.907606	2.13114	177.9903	12.70332
TS15_04_10_29	0.286	0.022	7.692308	0.818	0.057	6.968215	203	0.8565	0.952253	4.491216	87.43494	10.40215
TS15_04_11_29	0.257	0.027	10.50584	0.794	0.079	9.949622	203	0.8565	0.922488	6.231066	127.1539	20.89744
TS15_04_12_29	0.25	0.015	6	0.761	0.045	5.913272	203	0.8565	0.881562	3.557645	188.1042	17.74108
TS15_04_13_29	0.259	0.015	5.791506	0.75	0.02	2.666667	203	0.8565	0.86792	1.582817	216.8361	14.53865
TS15_04_14_29	0.275	0.014	5.090909	0.795	0.034	4.27673	203	0.8565	0.923728	2.681581	133.8133	9.990696
TS15_04_1_30	0.369	0.011	2.98103	0.804	0.052	6.467662	203	0.8565	0.93489	4.099439	153.0477	13.4975
TS15_04_2_30	0.357	0.031	8.683473	0.81	0.043	5.308642	203	0.8565	0.942331	3.389071	131.3697	14.60322
TS15_04_3_30	0.412	0.028	6.796117	0.801	0.05	6.242197	203	0.8565	0.931169	3.942312	180.2647	19.00117
TS15_04_4_30	0.424	0.022	5.188679	0.782	0.029	3.70844	203	0.8565	0.907606	2.289002	247.7182	17.451
TS15_04_5_30	0.41	0.029	7.073171	0.757	0.033	4.359313	203	0.8565	0.876601	2.609884	318.1649	28.60693
TS15_04_6_30	0.366	0.026	7.103825	0.743	0.08	10.76716	203	0.8565	0.859238	6.335905	323.8393	48.06679
TS15_04_7_30	0.354	0.025	7.062147	0.662	0.046	6.94864	203	0.8565	0.758783	3.691112	528.2203	55.99283
TS15_04_8_30	0.327	0.026	7.95107	0.717	0.055	7.670851	203	0.8565	0.826993	4.370051	354.7515	42.94749
TS15_04_9_30	0.325	0.016	4.923077	0.716	0.034	4.748603	203	0.8565	0.825753	2.701868	355.0995	26.63118
TS15_04_10_30	0.339	0.015	4.424779	0.746	0.046	6.16622	203	0.8565	0.862959	3.641977	292.7324	25.47314
TS15_04_11_30	0.283	0.038	13.42756	0.799	0.047	5.882353	203	0.8565	0.928689	3.706132	128.7998	19.92262
TS15_04_12_30	0.215	0.012	5.581395	0.718	0.079	11.00279	203	0.8565	0.828234	6.276102	233.7742	32.62068
TS15_04_13_30	0.1825	0.009	4.931507	0.725	0.084	11.58621	203	0.8565	0.836915	6.667022	189.065	27.21943
TS15_04_14_30	0.251	0.042	16.73307	0.753	0.068	9.030544	203	0.8565	0.87164	5.379983	204.417	41.18656

TS15_04_1_31	0.0786	0.0054	6.870229	0.521	0.033	6.333973	203	0.8565	0.583916	2.784586	207.4508	18.61837
TS15_04_2_31	0.07	0.005	7.142857	0.498	0.017	3.413655	203	0.8565	0.555391	1.452927	197.5704	15.45261
TS15_04_3_31	0.0621	0.0027	4.347826	0.447	0.037	8.277405	203	0.8565	0.492142	3.273161	200.1669	15.95736
TS15_04_4_31	0.0579	0.0034	5.872193	0.396	0.021	5.30303	203	0.8565	0.428892	1.942791	209.716	14.99218
TS15_04_5_31	0.0521	0.0025	4.798464	0.377	0.017	4.509284	203	0.8565	0.405328	1.604318	196.6938	11.51865
TS15_04_6_31	0.0519	0.003	5.780347	0.365	0.013	3.561644	203	0.8565	0.390446	1.24362	200.7784	12.82055
TS15_04_7_31	0.0549	0.0018	3.278689	0.36	0.01	2.777778	203	0.8565	0.384245	0.962307	214.3182	8.279662
TS15_04_8_31	0.0518	0.0026	5.019305	0.361	0.011	3.047091	203	0.8565	0.385485	1.057273	202.0031	11.16668
TS15_04_9_31	0.0496	0.0026	5.241935	0.352	0.025	7.102273	203	0.8565	0.374324	2.429437	197.0137	14.28308
TS15_04_10_31	0.0503	0.0032	6.361829	0.343	0.026	7.580175	203	0.8565	0.363162	2.555871	203.2593	16.8304
TS15_04_11_31	0.0489	0.0024	4.907975	0.324	0.013	4.012346	203	0.8565	0.339598	1.311825	204.8875	11.57519
TS15_04_12_31	0.0493	0.0018	3.651116	0.322	0.012	3.726708	203	0.8565	0.337118	1.214447	207.3003	9.231708
TS15_04_13_31	0.0509	0.0024	4.715128	0.338	0.018	5.325444	203	0.8565	0.356961	1.781228	207.6161	12.45698
TS15_04_14_31	0.0478	0.0012	2.51046	0.339	0.015	4.424779	203	0.8565	0.358201	1.482368	194.7902	7.678224
TS15_04_1_32	0.241	0.024	9.958506	0.783	0.046	5.87484	203	0.8565	0.908846	3.630592	140.0825	17.43003
TS15_04_2_32	0.2147	0.0092	4.285049	0.743	0.021	2.82638	203	0.8565	0.859238	1.663175	191.9346	10.55957
TS15_04_3_32	0.216	0.01	4.62963	0.724	0.056	7.734807	203	0.8565	0.835675	4.445264	224.8436	22.89465
TS15_04_4_32	0.197	0.016	8.121827	0.715	0.042	5.874126	203	0.8565	0.824513	3.338078	219.093	23.38792
TS15_04_5_32	0.1812	0.0074	4.083885	0.682	0.023	3.372434	203	0.8565	0.783587	1.838025	247.9597	13.87507
TS15_04_6_32	0.188	0.01	5.319149	0.68	0.039	5.735294	203	0.8565	0.781106	3.117841	259.9698	21.70644
TS15_04_7_32	0.188	0.01	5.319149	0.665	0.044	6.616541	203	0.8565	0.762503	3.528325	281.5877	25.38486
TS15_04_8_32	0.1694	0.0062	3.659976	0.696	0.035	5.028736	203	0.8565	0.800949	2.789992	213.7834	14.4891
TS15_04_9_32	0.165	0.015	9.090909	0.683	0.042	6.149341	203	0.8565	0.784827	3.355761	224.9015	25.81057
TS15_04_10_32	0.174	0.0087	5	0.688	0.04	5.813953	203	0.8565	0.791028	3.193022	230.2382	18.98316
TS15_04_11_32	0.158	0.011	6.962025	0.716	0.027	3.77095	203	0.8565	0.825753	2.145601	175.0771	14.49818
TS15_04_12_32	0.1575	0.0084	5.333333	0.688	0.039	5.668605	203	0.8565	0.791028	3.113197	208.7548	17.37108
TS15_04_13_32	0.1663	0.006	3.607937	0.683	0.05	7.320644	203	0.8565	0.784827	3.994954	226.6427	20.19095
TS15_04_14_32	0.1714	0.0062	3.61727	0.657	0.04	6.08828	203	0.8565	0.752582	3.21326	267.7383	20.12895
TS15_04_1_33	0.216	0.014	6.481481	0.774	0.057	7.364341	203	0.8565	0.897684	4.501597	140.9156	15.78533
TS15_04_2_33	0.232	0.013	5.603448	0.74	0.055	7.432432	203	0.8565	0.855518	4.357378	212.5405	22.34909
TS15_04_3_33	0.235	0.012	5.106383	0.721	0.081	11.2344	203	0.8565	0.831954	6.432337	249.6758	35.13979
TS15_04_4_33	0.221	0.011	4.977376	0.797	0.058	7.27729	203	0.8565	0.926209	4.573984	104.2794	10.9391
TS15_04_5_33	0.2355	0.0095	4.03397	0.796	0.051	6.407035	203	0.8565	0.924968	4.02216	112.913	10.24254
TS15_04_6_33	0.224	0.02	8.928571	0.779	0.075	9.627728	203	0.8565	0.903885	5.921032	137.3165	20.55086
TS15_04_7_33	0.234	0.013	5.555556	0.744	0.043	5.77957	203	0.8565	0.860478	3.405181	207.1001	18.47093

TS15_04_8_33	0.242	0.021	8.677686	0.74	0.048	6.486486	203	0.8565	0.855518	3.802803	221.546	25.95613
TS15_04_9_33	0.235	0.019	8.085106	0.764	0.062	8.115183	203	0.8565	0.885282	4.900372	171.4854	22.04231
TS15_04_10_33	0.223	0.011	4.932735	0.807	0.066	8.178439	203	0.8565	0.938611	5.20246	87.65183	10.154
TS15_04_11_33	0.2215	0.0094	4.243792	0.828	0.048	5.797101	203	0.8565	0.964655	3.781039	50.27255	4.374938
TS15_04_12_33	0.224	0.018	8.035714	0.808	0.053	6.559406	203	0.8565	0.939851	4.17756	86.27543	10.06065
TS15_04_13_33	0.208	0.02	9.615385	0.801	0.071	8.86392	203	0.8565	0.931169	5.598083	91.63738	13.60641
TS15_04_14_33	0.227	0.018	7.929515	0.807	0.078	9.665428	203	0.8565	0.938611	6.148362	89.21323	13.13077
TS15_04_1_34	0.349	0.023	6.590258	0.83	0.12	14.45783	203	0.8565	0.967135	9.452176	73.51895	14.78588
TS15_04_2_34	0.339	0.028	8.259587	0.737	0.041	5.563094	203	0.8565	0.851797	3.249338	315.9996	33.94847
TS15_04_3_34	0.315	0.028	8.888889	0.721	0.036	4.993065	203	0.8565	0.831954	2.858816	332.5124	35.96486
TS15_04_4_34	0.286	0.022	7.692308	0.782	0.022	2.813299	203	0.8565	0.907606	1.736484	168.1331	14.36105
TS15_04_5_34	0.276	0.02	7.246377	0.801	0.033	4.11985	203	0.8565	0.931169	2.601926	121.3154	10.91618
TS15_04_6_34	0.279	0.02	7.168459	0.756	0.055	7.275132	203	0.8565	0.875361	4.350211	220.3602	25.22162
TS15_04_7_34	0.287	0.018	6.271777	0.77	0.034	4.415584	203	0.8565	0.892723	2.685984	195.4805	16.36907
TS15_04_8_34	0.316	0.028	8.860759	0.75	0.07	9.333333	203	0.8565	0.86792	5.53986	263.5932	38.0587
TS15_04_9_34	0.328	0.024	7.317073	0.741	0.067	9.041835	203	0.8565	0.856758	5.307486	295.9747	38.93038
TS15_04_10_34	0.337	0.018	5.341246	0.756	0.043	5.687831	203	0.8565	0.875361	3.401074	265.2391	23.37548
TS15_04_11_34	0.353	0.027	7.648725	0.812	0.059	7.26601	203	0.8565	0.944811	4.649765	124.3784	15.10404
TS15_04_12_34	0.351	0.028	7.977208	0.832	0.055	6.610577	203	0.8565	0.969615	4.332069	68.38713	8.091901
TS15_04_13_34	0.349	0.024	6.876791	0.85	0.12	14.11765	203	0.8565	0.991939	9.449692	18.11071	3.646445
TS15_04_14_34	0.3503	0.0094	2.683414	0.835	0.048	5.748503	203	0.8565	0.973336	3.780505	59.93286	4.829066
TS15_04_1_35	0.291	0.056	19.24399	0.772	0.046	5.958549	203	0.8565	0.895204	3.633415	193.6498	40.31242
TS15_04_2_35	0.225	0.012	5.333333	0.727	0.047	6.464924	203	0.8565	0.839395	3.729393	228.8379	21.32464
TS15_04_3_35	0.194	0.016	8.247423	0.718	0.027	3.760446	203	0.8565	0.828234	2.144997	211.3104	19.93902
TS15_04_4_35	0.186	0.018	9.677419	0.687	0.047	6.841339	203	0.8565	0.789788	3.752481	247.2488	30.79385
TS15_04_5_35	0.186	0.018	9.677419	0.671	0.061	9.090909	203	0.8565	0.769945	4.885365	270.1055	37.82311
TS15_04_6_35	0.17	0.021	12.35294	0.657	0.036	5.479452	203	0.8565	0.752582	2.891934	265.5959	36.87811
TS15_04_7_35	0.142	0.011	7.746479	0.668	0.022	3.293413	203	0.8565	0.766224	1.763036	210.5212	18.18806
TS15_04_8_35	0.157	0.019	12.10191	0.663	0.035	5.279035	203	0.8565	0.760023	2.807839	238.414	32.32203
TS15_04_9_35	0.164	0.013	7.926829	0.667	0.033	4.947526	203	0.8565	0.764984	2.645113	243.7933	23.63507
TS15_04_10_35	0.1465	0.0081	5.52901	0.674	0.032	4.747774	203	0.8565	0.773665	2.56125	210.2832	16.09079
TS15_04_11_35	0.1388	0.0087	6.268012	0.628	0.043	6.847134	203	0.8565	0.716616	3.479655	248.7013	23.70462
TS15_04_12_35	0.115	0.014	12.17391	0.623	0.036	5.778491	203	0.8565	0.710415	2.917321	211.1828	28.91662
TS15_04_13_35	0.1153	0.0072	6.244579	0.675	0.04	5.925926	203	0.8565	0.774905	3.20092	165.1722	14.94498

TS15_04_14_35	0.1199	0.0069	5.754796	0.659	0.033	5.007587	203	0.8565	0.755062	2.649739	186.5918	14.79374
TS15_06_A_1	0.0598	0.0044	7.35786	0.319	0.032	10.03135	205	0.8512	0.335567	3.255283	251.1782	25.1157
TS15_06_B_1	0.0572	0.00088	1.538462	0.266	0.015	5.639098	205	0.8512	0.269399	1.672113	263.9211	9.909273
TS15_06_C_1	0.0556	0.002	3.597122	0.248	0.012	4.83871	205	0.8512	0.246926	1.389657	264.4192	12.25811
TS15_06_D_1	0.0536	0.0027	5.037313	0.231	0.02	8.658009	205	0.8512	0.225702	2.411067	262.1385	18.62963
TS15_06_E_1	0.0534	0.0016	2.996255	0.2075	0.0098	4.722892	205	0.8512	0.196364	1.259126	270.8712	10.81862
TS15_06_F_1	0.0545	0.0017	3.119266	0.203	0.013	6.403941	205	0.8512	0.190745	1.692913	278.2237	13.07561
TS15_06_G_1	0.053	0.0026	4.90566	0.1838	0.0085	4.624592	205	0.8512	0.166775	1.178878	278.5729	15.47607
TS15_06_H_1	0.0548	0.0035	6.386861	0.174	0.008	4.597701	205	0.8512	0.15454	1.15041	291.9578	20.24385
TS15_06_I_1	0.0498	0.0025	5.02008	0.161	0.017	10.55901	205	0.8512	0.13831	2.578072	270.8587	19.87647
TS15_06_J_1	0.0471	0.0016	3.397028	0.1281	0.0042	3.278689	205	0.8512	0.097235	0.756029	268.4355	10.18405
TS15_06_K_1	0.0447	0.0021	4.697987	0.1261	0.0053	4.203013	205	0.8512	0.094739	0.966297	255.7158	13.23775
TS15_06_L_1	0.0423	0.0016	3.782506	0.1221	0.0033	2.702703	205	0.8512	0.089745	0.617888	243.5521	9.869414
TS15_06_M_1	0.04131	0.00048	1.161946	0.1385	0.0088	6.353791	205	0.8512	0.11022	1.489819	232.6989	7.573632
TS15_06_N_1	0.0444	0.0026	5.855856	0.1535	0.0081	5.276873	205	0.8512	0.128946	1.27063	244.6134	15.89532
TS15_06_A_2	0.193	0.018	9.326425	0.724	0.048	6.629834	205	0.8512	0.841195	3.82072	194.6107	23.77829
TS15_06_B_2	0.193	0.014	7.253886	0.69	0.05	7.246377	205	0.8512	0.798748	4.000184	245.6494	26.98378
TS15_06_C_2	0.19	0.014	7.368421	0.682	0.051	7.478006	205	0.8512	0.78876	4.086018	253.6736	28.40663
TS15_06_D_2	0.182	0.011	6.043956	0.719	0.032	4.450626	205	0.8512	0.834953	2.548805	190.7895	15.29235
TS15_06_E_2	0.1754	0.0076	4.332953	0.718	0.023	3.203343	205	0.8512	0.833705	1.8322	185.3404	10.66136
TS15_06_F_2	0.18	0.012	6.666667	0.727	0.023	3.163686	205	0.8512	0.844941	1.830074	177.4586	13.6693
TS15_06_G_2	0.1797	0.0096	5.342237	0.714	0.033	4.621849	205	0.8512	0.828711	2.630252	195.4325	14.85976
TS15_06_H_2	0.169	0.012	7.100592	0.731	0.026	3.556772	205	0.8512	0.849935	2.06778	161.4491	13.42003
TS15_06_I_2	0.1657	0.0078	4.707302	0.724	0.024	3.314917	205	0.8512	0.841195	1.91036	167.4371	10.27603
TS15_06_J_2	0.171	0.0085	4.97076	0.728	0.032	4.395604	205	0.8512	0.846189	2.545878	167.3599	12.05363
TS15_06_K_2	0.1741	0.0091	5.226881	0.716	0.057	7.960894	205	0.8512	0.831208	4.541904	186.709	19.82321
TS15_06_L_2	0.1674	0.0059	3.524492	0.731	0.043	5.882353	205	0.8512	0.849935	3.419789	159.9394	12.44809
TS15_06_M_2	0.175	0.01	5.714286	0.728	0.046	6.318681	205	0.8512	0.846189	3.659699	171.2232	16.09243
TS15_06_N_2	0.1903	0.0075	3.941146	0.69	0.048	6.956522	205	0.8512	0.798748	3.840176	242.2766	21.27742
TS15_06_A_3	0.404	0.029	7.178218	0.755	0.032	4.238411	205	0.8512	0.879898	2.538608	305.4369	27.44288
TS15_06_B_3	0.328	0.057	17.37805	0.76	0.038	5	205	0.8512	0.88614	3.013279	236.3616	44.1303
TS15_06_C_3	0.223	0.017	7.623318	0.736	0.04	5.434783	205	0.8512	0.856177	3.179365	203.5066	20.49208
TS15_06_D_3	0.209	0.011	5.263158	0.711	0.043	6.04782	205	0.8512	0.824965	3.428757	231.6132	20.35353
TS15_06_E_3	0.201	0.013	6.467662	0.68	0.031	4.558824	205	0.8512	0.786263	2.484581	271.1615	22.54867
TS15_06_F_3	0.212	0.015	7.075472	0.666	0.023	3.453453	205	0.8512	0.768784	1.848514	308.488	25.17653
TS15_06_G_3	0.193	0.018	9.326425	0.689	0.06	8.708273	205	0.8512	0.797499	4.801053	247.1444	33.63697
TS15_06_H_3	0.181	0.011	6.077348	0.71	0.057	8.028169	205	0.8512	0.823717	4.545753	202.4741	22.45421

TS15_06_I_3	0.181	0.012	6.629834	0.702	0.032	4.558405	205	0.8512	0.813729	2.555076	213.7575	18.16731
TS15_06_J_3	0.1841	0.008	4.345464	0.699	0.034	4.864092	205	0.8512	0.809984	2.716056	221.6537	15.66811
TS15_06_K_3	0.174	0.01	5.747126	0.721	0.044	6.102635	205	0.8512	0.83745	3.503682	179.7976	16.50275
TS15_06_L_3	0.1764	0.0037	2.097506	0.706	0.027	3.824363	205	0.8512	0.818723	2.154525	202.9114	9.871503
TS15_06_M_3	0.1718	0.0058	3.376019	0.717	0.033	4.60251	205	0.8512	0.832456	2.629164	182.9335	11.58448
TS15_06_N_3	0.166	0.011	6.626506	0.709	0.027	3.808181	205	0.8512	0.822468	2.153565	187.2319	14.997
TS15_06_A_4	0.324	0.023	7.098765	0.769	0.038	4.941482	205	0.8512	0.897376	3.011114	210.8575	19.92271
TS15_06_B_4	0.292	0.017	5.821918	0.783	0.024	3.065134	205	0.8512	0.914855	1.899954	158.3135	11.13302
TS15_06_C_4	0.233	0.029	12.44635	0.784	0.05	6.377551	205	0.8512	0.916103	3.957999	124.7984	18.56087
TS15_06_D_4	0.18	0.015	8.333333	0.7	0.044	6.285714	205	0.8512	0.811232	3.514335	215.3985	23.83466
TS15_06_E_4	0.146	0.023	15.75342	0.656	0.026	3.963415	205	0.8512	0.7563	2.094157	225.3788	37.28005
TS15_06_F_4	0.112	0.025	22.32143	0.62	0.063	10.16129	205	0.8512	0.711355	5.121199	205.1034	50.97949
TS15_06_G_4	0.0848	0.0065	7.665094	0.631	0.058	9.191759	205	0.8512	0.725088	4.700378	148.5572	18.20294
TS15_06_H_4	0.091	0.011	12.08791	0.586	0.04	6.825939	205	0.8512	0.668907	3.287267	191.3583	26.67068
TS15_06_I_4	0.093	0.013	13.97849	0.604	0.039	6.456954	205	0.8512	0.69138	3.185682	182.4175	28.36085
TS15_06_J_4	0.097	0.01	10.30928	0.645	0.042	6.511628	205	0.8512	0.742567	3.391581	158.9966	19.8347
TS15_06_K_4	0.0927	0.0069	7.443366	0.653	0.044	6.738132	205	0.8512	0.752554	3.546374	146.1988	15.18538
TS15_06_L_4	0.097	0.012	12.37113	0.615	0.054	8.780488	205	0.8512	0.705113	4.396025	181.8057	27.92508
TS15_06_M_4	0.0743	0.009	12.11306	0.604	0.039	6.456954	205	0.8512	0.69138	3.185682	146.1501	20.19964
TS15_06_N_4	0.0676	0.0089	13.16568	0.552	0.033	5.978261	205	0.8512	0.626459	2.748625	160.7593	23.18261
TS15_06_A_5	4.3	1	23.25581	0.834	0.024	2.877698	205	0.8512	0.978526	1.896424	569.3402	138.7525
TS15_06_B_5	2.05	0.32	15.60976	0.809	0.021	2.595797	205	0.8512	0.947315	1.660391	661.1493	110.1671
TS15_06_C_5	1.59	0.12	7.54717	0.84	0.02	2.380952	205	0.8512	0.986017	1.580246	141.7509	11.71615
TS15_06_D_5	1.17	0.19	16.23932	0.828	0.032	3.864734	205	0.8512	0.971036	2.528814	214.8381	37.05015
TS15_06_E_5	0.783	0.09	11.49425	0.798	0.024	3.007519	205	0.8512	0.933582	1.898439	326.8227	40.45514
TS15_06_F_5	0.514	0.078	15.1751	0.801	0.021	2.621723	205	0.8512	0.937327	1.660913	204.3893	32.17894
TS15_06_G_5	0.362	0.038	10.49724	0.771	0.044	5.706874	205	0.8512	0.899873	3.486037	229.5213	29.37751
TS15_06_H_5	0.309	0.021	6.796117	0.729	0.026	3.566529	205	0.8512	0.847438	2.068274	296.9497	24.13274
TS15_06_I_5	0.289	0.02	6.920415	0.742	0.038	5.121294	205	0.8512	0.863668	3.018427	249.113	23.28285
TS15_06_J_5	0.2743	0.0097	3.536274	0.745	0.04	5.369128	205	0.8512	0.867413	3.176306	230.2844	17.02309
TS15_06_K_5	0.258	0.018	6.976744	0.719	0.035	4.867872	205	0.8512	0.834953	2.787756	268.8183	24.46905
TS15_06_L_5	0.25	0.02	8	0.72	0.016	2.222222	205	0.8512	0.836201	1.274234	258.7165	22.12589
TS15_06_M_5	0.242	0.016	6.61157	0.743	0.043	5.787349	205	0.8512	0.864916	3.415232	207.3639	20.00187
TS15_06_N_5	0.227	0.021	9.251101	0.743	0.043	5.787349	205	0.8512	0.864916	3.415232	194.7029	22.69139
TS15_06_A_6	0.275	0.027	9.818182	0.76	0.03	3.947368	205	0.8512	0.88614	2.378904	198.7512	21.98445
TS15_06_B_6	0.2482	0.0096	3.867849	0.738	0.031	4.200542	205	0.8512	0.858674	2.463461	222.2464	14.14821
TS15_06_C_6	0.226	0.012	5.309735	0.717	0.034	4.74198	205	0.8512	0.832456	2.708835	239.5851	18.48988

TS15_06_D_6	0.201	0.013	6.467662	0.715	0.037	5.174825	205	0.8512	0.829959	2.94866	216.6453	19.25567
TS15_06_E_6	0.1849	0.0087	4.705246	0.677	0.029	4.283604	205	0.8512	0.782518	2.325608	254.1501	17.12798
TS15_06_F_6	0.169	0.014	8.284024	0.681	0.032	4.698972	205	0.8512	0.787511	2.564251	227.4348	22.5152
TS15_06_G_6	0.153	0.012	7.843137	0.665	0.024	3.609023	205	0.8512	0.767536	1.929288	225.2964	20.01002
TS15_06_H_6	0.1446	0.0094	6.500692	0.664	0.025	3.76506	205	0.8512	0.766287	2.010099	214.2552	16.63001
TS15_06_I_6	0.1565	0.0083	5.303514	0.681	0.035	5.139501	205	0.8512	0.787511	2.804649	210.8848	16.52736
TS15_06_J_6	0.14	0.014	10	0.699	0.031	4.434907	205	0.8512	0.809984	2.476404	169.248	19.10868
TS15_06_K_6	0.132	0.013	9.848485	0.668	0.027	4.041916	205	0.8512	0.771281	2.169096	191.7427	20.91062
TS15_06_L_6	0.157	0.013	8.280255	0.69	0.033	4.782609	205	0.8512	0.798748	2.640121	200.5333	19.97205
TS15_06_M_6	0.1408	0.0094	6.676136	0.679	0.033	4.860088	205	0.8512	0.785014	2.645374	192.2377	16.60076
TS15_06_N_6	0.131	0.0068	5.19084	0.663	0.029	4.374057	205	0.8512	0.765039	2.332211	195.4275	13.83219
TS15_06_A_8	0.205	0.041	20	0.752	0.029	3.856383	205	0.8512	0.876152	2.301248	161.6234	33.50166
TS15_06_B_8	0.134	0.011	8.208955	0.712	0.033	4.634831	205	0.8512	0.826214	2.630995	148.3987	14.6211
TS15_06_C_8	0.1232	0.0079	6.412338	0.689	0.031	4.499274	205	0.8512	0.797499	2.480544	158.8525	13.02568
TS15_06_D_8	0.1291	0.0075	5.80945	0.659	0.028	4.248862	205	0.8512	0.760045	2.253742	196.6674	14.66717
TS15_06_E_8	0.1406	0.0079	5.618777	0.65	0.035	5.384615	205	0.8512	0.748809	2.822945	223.7428	18.10932
TS15_06_F_8	0.1383	0.009	6.507592	0.666	0.039	5.855856	205	0.8512	0.768784	3.134437	202.9105	18.59955
TS15_06_G_8	0.138	0.0077	5.57971	0.673	0.036	5.349183	205	0.8512	0.777524	2.889212	194.9387	15.87832
TS15_06_H_8	0.1387	0.0081	5.839942	0.692	0.038	5.491329	205	0.8512	0.801244	3.039098	175.3054	14.96201
TS15_06_I_8	0.1388	0.0094	6.772334	0.724	0.032	4.41989	205	0.8512	0.841195	2.547146	140.549	12.03032
TS15_06_J_8	0.1373	0.0057	4.151493	0.733	0.033	4.502046	205	0.8512	0.852432	2.623875	129.3062	8.733733
TS15_06_K_8	0.1298	0.0029	2.234206	0.699	0.043	6.151645	205	0.8512	0.809984	3.435011	157.066	11.47588
TS15_06_L_8	0.1296	0.009	6.944444	0.678	0.026	3.834808	205	0.8512	0.783766	2.084629	178.1688	14.61616
TS15_06_M_8	0.1332	0.009	6.756757	0.59	0.069	11.69492	205	0.8512	0.673901	5.662557	274.0981	36.821
TS15_06_N_8	0.1165	0.0067	5.751073	0.67	0.11	16.41791	205	0.8512	0.773778	8.833451	167.694	31.48829
TS15_06_A_9	0.239	0.062	25.94142	0.7	0.029	4.142857	205	0.8512	0.811232	2.316266	284.4636	76.18781
TS15_06_B_9	0.1616	0.0094	5.816832	0.696	0.028	4.022989	205	0.8512	0.806238	2.23784	198.7537	14.7976
TS15_06_C_9	0.164	0.011	6.707317	0.701	0.02	2.853067	205	0.8512	0.812481	1.597173	195.2604	14.71128
TS15_06_D_9	0.1715	0.008	4.664723	0.707	0.028	3.960396	205	0.8512	0.819971	2.233987	196.0216	12.84328
TS15_06_E_9	0.1526	0.0068	4.456094	0.688	0.025	3.633721	205	0.8512	0.796251	2.000789	197.3801	11.99298
TS15_06_F_9	0.1453	0.0074	5.092911	0.643	0.04	6.22084	205	0.8512	0.74007	3.231659	238.9823	20.00324
TS15_06_G_9	0.146	0.0066	4.520548	0.611	0.031	5.07365	205	0.8512	0.700119	2.526686	276.237	19.10833
TS15_06_H_9	0.142	0.012	8.450704	0.656	0.034	5.182927	205	0.8512	0.7563	2.738513	219.3078	22.42601
TS15_06_I_9	0.1377	0.0061	4.42992	0.637	0.037	5.808477	205	0.8512	0.732579	2.993802	233.1157	17.65647
TS15_06_J_9	0.1355	0.0075	5.535055	0.645	0.04	6.20155	205	0.8512	0.742567	3.230078	221.0322	19.10114
TS15_06_K_9	0.1341	0.0063	4.697987	0.669	0.026	3.886398	205	0.8512	0.77253	2.088331	193.7003	12.34922
TS15_06_L_9	0.1365	0.0091	6.666667	0.648	0.045	6.944444	205	0.8512	0.746312	3.631216	219.451	21.96926

TS15_06_M_9	0.1371	0.0063	4.595186	0.632	0.021	3.322785	205	0.8512	0.726337	1.701407	237.4377	13.81487
TS15_06_N_9	0.133	0.008	6.015038	0.663	0.042	6.334842	205	0.8512	0.765039	3.377685	198.3657	18.19579
TS15_06_A_10	0.577	0.083	14.38475	0.807	0.059	7.311029	205	0.8512	0.944818	4.665248	202.0545	35.09683
TS15_06_B_10	0.441	0.035	7.936508	0.77	0.023	2.987013	205	0.8512	0.898625	1.82238	281.9403	25.12039
TS15_06_C_10	0.345	0.032	9.275362	0.769	0.017	2.210663	205	0.8512	0.897376	1.347077	224.2891	22.00712
TS15_06_D_10	0.299	0.015	5.016722	0.77	0.024	3.116883	205	0.8512	0.898625	1.901614	192.4958	12.2894
TS15_06_E_10	0.281	0.016	5.69395	0.731	0.035	4.787962	205	0.8512	0.849935	2.78355	266.2596	21.61068
TS15_06_F_10	0.274	0.011	4.014599	0.737	0.046	6.24152	205	0.8512	0.857425	3.655862	247.0375	20.97207
TS15_06_G_10	0.271	0.015	5.535055	0.757	0.043	5.680317	205	0.8512	0.882395	3.410647	202.2479	18.02282
TS15_06_H_10	0.2524	0.0086	3.40729	0.743	0.038	5.114401	205	0.8512	0.864916	3.018112	216.1277	15.21686
TS15_06_I_10	0.231	0.014	6.060606	0.737	0.032	4.341927	205	0.8512	0.857425	2.543208	208.8897	16.77657
TS15_06_J_10	0.23	0.012	5.217391	0.737	0.04	5.427408	205	0.8512	0.857425	3.17901	207.9998	17.36293
TS15_06_K_10	0.2263	0.0027	1.193106	0.728	0.044	6.043956	205	0.8512	0.846189	3.500582	220.566	15.91622
TS15_06_L_10	0.217	0.014	6.451613	0.753	0.048	6.374502	205	0.8512	0.877401	3.808608	169.2589	17.09692
TS15_06_M_10	0.211	0.014	6.635071	0.713	0.043	6.030856	205	0.8512	0.827462	3.42778	230.5137	22.35151
TS15_06_N_10	0.2	0.014	7	0.714	0.06	8.403361	205	0.8512	0.828711	4.782276	217.1418	26.122
TS15_06_A_11	0.341	0.022	6.451613	0.777	0.034	4.375804	205	0.8512	0.907364	2.692628	200.4849	17.09046
TS15_06_B_11	0.297	0.067	22.55892	0.728	0.036	4.945055	205	0.8512	0.846189	2.864112	287.9556	68.17879
TS15_06_C_11	0.257	0.058	22.56809	0.755	0.048	6.357616	205	0.8512	0.879898	3.807912	195.9678	47.21988
TS15_06_D_11	0.3447	0.0093	2.697998	0.779	0.022	2.824134	205	0.8512	0.909861	1.74206	197.2475	8.820255
TS15_06_E_11	0.361	0.016	4.432133	0.799	0.017	2.12766	205	0.8512	0.93483	1.344667	149.9038	7.857641
TS15_06_F_11	0.396	0.031	7.828283	0.8	0.031	3.875	205	0.8512	0.936079	2.451931	161.1462	15.05576
TS15_06_G_11	0.532	0.042	7.894737	0.79	0.027	3.417722	205	0.8512	0.923594	2.136594	256.8483	23.48003
TS15_06_H_11	0.502	0.034	6.772908	0.801	0.033	4.11985	205	0.8512	0.937327	2.610006	199.6907	17.31963
TS15_06_I_11	0.429	0.03	6.993007	0.803	0.044	5.479452	205	0.8512	0.939824	3.479715	164.3056	16.39768
TS15_06_J_11	0.417	0.035	8.393285	0.785	0.051	6.496815	205	0.8512	0.917352	4.03692	218.4288	25.82277
TS15_06_K_11	0.338	0.04	11.83432	0.761	0.031	4.073587	205	0.8512	0.887389	2.457994	240.8133	31.36686
TS15_06_L_11	0.289	0.017	5.882353	0.753	0.03	3.984064	205	0.8512	0.877401	2.38038	224.4508	17.26132
TS15_06_M_11	0.296	0.018	6.081081	0.73	0.024	3.287671	205	0.8512	0.848686	1.908947	282.4487	20.69809
TS15_06_N_11	0.273	0.023	8.424908	0.768	0.066	8.59375	205	0.8512	0.896128	5.230224	180.2578	24.50603
TS15_06_A_12	0.72	0.21	29.16667	0.771	0.026	3.372244	205	0.8512	0.899873	2.059931	448.7429	135.4587
TS15_06_B_12	0.512	0.037	7.226563	0.798	0.027	3.383459	205	0.8512	0.933582	2.135744	215.5729	18.37618
TS15_06_C_12	0.439	0.084	19.1344	0.765	0.03	3.921569	205	0.8512	0.892382	2.377929	297.5799	59.76992
TS15_06_D_12	0.288	0.021	7.291667	0.738	0.03	4.065041	205	0.8512	0.858674	2.383994	257.1824	22.81872
TS15_06_E_12	0.271	0.016	5.904059	0.753	0.03	3.984064	205	0.8512	0.877401	2.38038	210.697	16.22364
TS15_06_F_12	0.3036	0.0084	2.766798	0.755	0.033	4.370861	205	0.8512	0.879898	2.61794	230.8719	13.90491
TS15_06_G_12	0.3039	0.0054	1.7769	0.747	0.036	4.819277	205	0.8512	0.86991	2.858101	249.946	15.23761

TS15_06_H_12	0.297	0.015	5.050505	0.744	0.016	2.150538	205	0.8512	0.866165	1.270652	251.2776	14.47108
TS15_06_I_12	0.276	0.012	4.347826	0.752	0.019	2.526596	205	0.8512	0.876152	1.507715	216.6687	11.6486
TS15_06_J_12	0.337	0.033	9.792285	0.779	0.015	1.925546	205	0.8512	0.909861	1.187768	192.9066	19.70149
TS15_06_K_12	0.324	0.025	7.716049	0.785	0.025	3.184713	205	0.8512	0.917352	1.978883	170.3517	14.95224
TS15_06_L_12	0.306	0.021	6.862745	0.768	0.026	3.385417	205	0.8512	0.896128	2.060391	201.7097	16.38106
TS15_06_M_12	0.279	0.038	13.62007	0.741	0.043	5.802969	205	0.8512	0.862419	3.41595	242.8148	37.5947
TS15_06_N_12	0.204	0.018	8.823529	0.702	0.041	5.840456	205	0.8512	0.813729	3.273692	240.4195	26.85858
TS15_06_A_13	0.149	0.012	8.053691	0.895	0.058	6.480447	205	0.8512	1.054683	4.585732	-52.7388	-6.41404
TS15_06_B_13	0.15	0.01	6.666667	0.864	0.04	4.62963	205	0.8512	1.01598	3.160533	-15.4709	-1.41976
TS15_06_C_13	0.142	0.0092	6.478873	0.889	0.045	5.061867	205	0.8512	1.047192	3.557266	-43.3445	-4.15817
TS15_06_D_13	0.147	0.011	7.482993	0.925	0.043	4.648649	205	0.8512	1.092137	3.403955	-87.9075	-8.83882
TS15_06_E_13	0.197	0.024	12.18274	0.895	0.064	7.150838	205	0.8512	1.054683	5.060118	-69.8207	-11.0078
TS15_06_F_13	0.23	0.017	7.391304	0.86	0.047	5.465116	205	0.8512	1.010986	3.713504	-16.31	-1.70705
TS15_06_G_13	0.249	0.022	8.835341	0.818	0.054	6.601467	205	0.8512	0.958551	4.268363	66.19119	8.16878
TS15_06_H_13	0.261	0.015	5.747126	0.855	0.05	5.847953	205	0.8512	1.004744	3.95044	-7.98707	-0.7799
TS15_06_I_13	0.263	0.017	6.463878	0.871	0.068	7.807118	205	0.8512	1.02472	5.37337	-42.0466	-5.25801
TS15_06_J_13	0.268	0.019	7.089552	0.839	0.036	4.290822	205	0.8512	0.984769	2.844469	26.26056	2.391476
TS15_06_K_13	0.261	0.019	7.279693	0.848	0.075	8.84434	205	0.8512	0.996005	5.925651	6.718286	0.934834
TS15_06_L_13	0.274	0.023	8.394161	0.913	0.074	8.105148	205	0.8512	1.077155	5.854691	-137.742	-19.6643
TS15_06_M_13	0.283	0.02	7.067138	0.88	0.062	7.045455	205	0.8512	1.035956	4.900047	-65.9314	-7.93042
TS15_06_N_13	0.322	0.037	11.49068	0.82	0.13	15.85366	205	0.8512	0.961048	10.27514	80.35175	19.00887
TS15_06_A_14	0.49	0.063	12.85714	0.779	0.031	3.979461	205	0.8512	0.909861	2.454721	278.6176	39.06708
TS15_06_B_14	0.376	0.017	4.521277	0.751	0.024	3.195739	205	0.8512	0.874904	1.904661	296.2994	17.90145
TS15_06_C_14	0.333	0.021	6.306306	0.757	0.024	3.17041	205	0.8512	0.882395	1.903617	247.6401	18.57042
TS15_06_D_14	0.302	0.01	3.311258	0.748	0.025	3.342246	205	0.8512	0.871158	1.984596	246.0739	12.95251
TS15_06_E_14	0.298	0.012	4.026846	0.732	0.016	2.185792	205	0.8512	0.851183	1.27233	279.7243	13.60358
TS15_06_F_14	0.252	0.023	9.126984	0.743	0.024	3.230148	205	0.8512	0.864916	1.906176	215.7908	21.66911
TS15_06_G_14	0.2125	0.0081	3.811765	0.763	0.022	2.883355	205	0.8512	0.889885	1.744095	149.1041	7.789163
TS15_06_H_14	0.197	0.014	7.106599	0.738	0.033	4.471545	205	0.8512	0.858674	2.622394	177.0232	15.83263
TS15_06_I_14	0.198	0.01	5.050505	0.697	0.023	3.299857	205	0.8512	0.807487	1.837925	241.1545	15.33091
TS15_06_J_14	0.2042	0.0082	4.015671	0.681	0.022	3.230543	205	0.8512	0.787511	1.762922	273.8127	14.93016
TS15_06_K_14	0.186	0.016	8.602151	0.736	0.033	4.483696	205	0.8512	0.856177	2.622977	170.1824	17.3518
TS15_06_L_14	0.176	0.011	6.25	0.737	0.032	4.341927	205	0.8512	0.857425	2.543208	159.7645	13.0218
TS15_06_M_14	0.1902	0.0091	4.784437	0.681	0.04	5.873715	205	0.8512	0.787511	3.205313	255.4069	20.80698
TS15_06_N_14	0.1775	0.0092	5.183099	0.686	0.029	4.227405	205	0.8512	0.793754	2.321737	231.7778	16.40178
TS15_06_A_15	0.4	0.054	13.5	0.817	0.029	3.549572	205	0.8512	0.957303	2.292333	109.1686	15.6779
TS15_06_B_15	0.347	0.012	3.458213	0.782	0.035	4.475703	205	0.8512	0.913606	2.770935	190.4145	12.61172

TS15_06_C_15	0.325	0.023	7.076923	0.779	0.035	4.49294	205	0.8512	0.909861	2.771459	186.1358	16.95382
TS15_06_D_15	0.294	0.016	5.442177	0.787	0.025	3.17662	205	0.8512	0.919849	1.978655	150.1444	10.21349
TS15_06_E_15	0.279	0.016	5.734767	0.782	0.046	5.882353	205	0.8512	0.913606	3.6418	153.5403	14.38843
TS15_06_F_15	0.274	0.017	6.20438	0.72	0.033	4.583333	205	0.8512	0.836201	2.628107	283.0157	23.48339
TS15_06_G_15	0.27	0.016	5.925926	0.761	0.052	6.833114	205	0.8512	0.887389	4.123087	193.0832	19.87275
TS15_06_H_15	0.292	0.026	8.90411	0.768	0.042	5.46875	205	0.8512	0.896128	3.328325	192.6176	21.70043
TS15_06_I_15	0.266	0.031	11.65414	0.737	0.02	2.713704	205	0.8512	0.857425	1.589505	239.9573	29.46551
TS15_06_J_15	0.2225	0.0074	3.325843	0.741	0.028	3.778677	205	0.8512	0.862419	2.22434	194.3757	10.95162
TS15_06_K_15	0.216	0.013	6.018519	0.753	0.034	4.515272	205	0.8512	0.877401	2.697764	168.489	13.7837
TS15_06_L_15	0.227	0.015	6.60793	0.754	0.024	3.183024	205	0.8512	0.878649	1.904129	175.1751	13.52917
TS15_06_M_15	0.22	0.015	6.818182	0.715	0.02	2.797203	205	0.8512	0.829959	1.59387	236.7526	18.12511
TS15_06_N_15	0.219	0.011	5.022831	0.736	0.028	3.804348	205	0.8512	0.856177	2.225556	199.9123	13.61248
TS15_06_A_16	0.1323	0.0052	3.930461	0.661	0.028	4.236006	205	0.8512	0.762542	2.252759	199.4025	12.09718
TS15_06_B_16	0.1325	0.0052	3.924528	0.63	0.032	5.079365	205	0.8512	0.72384	2.594008	231.6691	15.32635
TS15_06_C_16	0.1305	0.0076	5.823755	0.604	0.031	5.13245	205	0.8512	0.69138	2.532209	254.5371	20.00658
TS15_06_D_16	0.1269	0.0049	3.861308	0.623	0.03	4.815409	205	0.8512	0.7151	2.436582	228.9479	14.47439
TS15_06_E_16	0.1245	0.0031	2.48996	0.64	0.02	3.125	205	0.8512	0.736324	1.617038	208.2211	8.631636
TS15_06_F_16	0.1258	0.0047	3.736089	0.62	0.022	3.548387	205	0.8512	0.711355	1.788355	229.9295	12.09559
TS15_06_G_16	0.1283	0.0071	5.533905	0.602	0.021	3.488372	205	0.8512	0.688883	1.716469	252.3144	16.73536
TS15_06_H_16	0.1274	0.0072	5.651491	0.626	0.039	6.230032	205	0.8512	0.718846	3.164902	226.8651	19.56395
TS15_06_I_16	0.1252	0.0056	4.472843	0.61	0.028	4.590164	205	0.8512	0.69887	2.282866	238.5695	15.51534
TS15_06_J_16	0.1204	0.0053	4.401993	0.63	0.03	4.761905	205	0.8512	0.72384	2.431883	210.855	14.0455
TS15_06_K_16	0.1184	0.0078	6.587838	0.629	0.041	6.518283	205	0.8512	0.722591	3.324471	208.3308	19.7877
TS15_06_L_16	0.1248	0.0096	7.692308	0.59	0.033	5.59322	205	0.8512	0.673901	2.708179	257.1527	24.63455
TS15_06_M_16	0.1225	0.0083	6.77551	0.625	0.04	6.4	205	0.8512	0.717597	3.246955	219.2386	20.89554
TS15_06_N_16	0.1175	0.008	6.808511	0.65	0.034	5.230769	205	0.8512	0.748809	2.742289	187.5118	16.6131
TS15_06_A_17	0.44	0.11	25	0.769	0.046	5.981795	205	0.8512	0.897376	3.645032	284.7038	75.3597
TS15_06_B_17	0.223	0.025	11.21076	0.745	0.043	5.771812	205	0.8512	0.867413	3.414529	187.837	24.97161
TS15_06_C_17	0.211	0.017	8.056872	0.712	0.056	7.865169	205	0.8512	0.826214	4.464719	232.152	28.36719
TS15_06_D_17	0.208	0.01	4.807692	0.702	0.019	2.706553	205	0.8512	0.813729	1.517077	245.0451	14.18353
TS15_06_E_17	0.1934	0.0072	3.722854	0.714	0.026	3.641457	205	0.8512	0.828711	2.07232	210.0916	11.88637
TS15_06_F_17	0.185	0.0058	3.135135	0.695	0.02	2.877698	205	0.8512	0.80499	1.598721	228.4696	10.40598
TS15_06_G_17	0.1924	0.0095	4.93763	0.68	0.029	4.264706	205	0.8512	0.786263	2.324286	259.7902	17.95259
TS15_06_H_17	0.186	0.016	8.602151	0.685	0.049	7.153285	205	0.8512	0.792505	3.923638	244.1122	28.90393
TS15_06_I_17	0.1699	0.0073	4.296645	0.665	0.024	3.609023	205	0.8512	0.767536	1.929288	249.7059	14.68652
TS15_06_J_17	0.1686	0.0057	3.380783	0.672	0.024	3.571429	205	0.8512	0.776275	1.926524	238.6849	12.45223
TS15_06_K_17	0.1675	0.0091	5.432836	0.641	0.041	6.396256	205	0.8512	0.737573	3.314096	277.311	24.23912

TS15_06_L_17	0.171	0.014	8.187135	0.651	0.032	4.915515	205	0.8512	0.750057	2.580375	269.7955	26.60975
TS15_06_M_17	0.171	0.014	8.187135	0.689	0.074	10.7402	205	0.8512	0.797499	5.921299	219.4463	32.05795
TS15_06_N_17	0.1781	0.0099	5.558675	0.666	0.039	5.855856	205	0.8512	0.768784	3.134437	260.1399	22.20304
TS15_06_A_18	0.175	0.01	5.714286	0.718	0.032	4.456825	205	0.8512	0.833705	2.549147	184.9237	14.35063
TS15_06_B_18	0.1696	0.0049	2.889151	0.719	0.022	3.059805	205	0.8512	0.834953	1.752304	177.9684	8.190675
TS15_06_C_18	0.1786	0.0064	3.583427	0.732	0.026	3.551913	205	0.8512	0.851183	2.067536	169.0999	9.368297
TS15_06_D_18	0.1666	0.0095	5.702281	0.734	0.025	3.405995	205	0.8512	0.85368	1.987555	155.2589	10.91394
TS15_06_E_18	0.1609	0.0076	4.723431	0.737	0.056	7.598372	205	0.8512	0.857425	4.450614	146.2117	14.88467
TS15_06_F_18	0.171	0.01	5.847953	0.723	0.033	4.564315	205	0.8512	0.839947	2.62708	174.0612	13.85551
TS15_06_G_18	0.176	0.011	6.25	0.713	0.035	4.908836	205	0.8512	0.827462	2.790053	192.8426	16.38068
TS15_06_H_18	0.1619	0.0098	6.053119	0.723	0.034	4.702628	205	0.8512	0.839947	2.706689	164.9158	13.55075
TS15_06_I_18	0.164	0.0086	5.243902	0.686	0.03	4.373178	205	0.8512	0.793754	2.401797	214.4395	15.48766
TS15_06_J_18	0.1678	0.0065	3.873659	0.679	0.029	4.270987	205	0.8512	0.785014	2.324723	228.4553	14.05789
TS15_06_K_18	0.203	0.02	9.852217	0.74	0.04	5.405405	205	0.8512	0.861171	3.177968	179.1621	21.26539
TS15_06_L_18	0.236	0.022	9.322034	0.743	0.036	4.845222	205	0.8512	0.864916	2.859264	202.3025	22.43606
TS15_06_M_18	0.247	0.023	9.311741	0.747	0.025	3.34672	205	0.8512	0.86991	1.984792	203.8793	20.93359
TS15_06_N_18	0.179	0.026	14.52514	0.719	0.041	5.702364	205	0.8512	0.834953	3.265657	187.69	30.2598
TS15_06_A_19	0.246	0.06	24.39024	0.743	0.048	6.460296	205	0.8512	0.864916	3.812352	210.736	54.51079
TS15_06_B_19	0.1571	0.0032	2.036919	0.692	0.036	5.202312	205	0.8512	0.801244	2.879146	198.2074	12.28272
TS15_06_C_19	0.148	0.005	3.378378	0.688	0.048	6.976744	205	0.8512	0.796251	3.841514	191.5177	16.29462
TS15_06_D_19	0.1446	0.0043	2.973721	0.649	0.021	3.235747	205	0.8512	0.747561	1.694166	231.1188	10.59959
TS15_06_E_19	0.1392	0.0043	3.08908	0.677	0.011	1.624815	205	0.8512	0.782518	0.882127	192.2602	6.938718
TS15_06_F_19	0.144	0.0058	4.027778	0.662	0.02	3.021148	205	0.8512	0.763791	1.608766	215.6227	11.29375
TS15_06_G_19	0.1445	0.0073	5.051903	0.64	0.023	3.59375	205	0.8512	0.736324	1.859593	241.0521	15.38978
TS15_06_H_19	0.1418	0.0045	3.173484	0.68	0.025	3.676471	205	0.8512	0.786263	2.003695	192.4751	9.97951
TS15_06_I_19	0.1388	0.0066	4.755043	0.673	0.034	5.052006	205	0.8512	0.777524	2.7287	196.0518	14.39282
TS15_06_J_19	0.1433	0.0063	4.396371	0.675	0.033	4.888889	205	0.8512	0.780021	2.647405	200.0735	13.96998
TS15_06_K_19	0.1412	0.0065	4.603399	0.691	0.026	3.762663	205	0.8512	0.799996	2.079738	179.5271	11.28495
TS15_06_L_19	0.142	0.01	7.042254	0.679	0.034	5.007364	205	0.8512	0.785014	2.725537	193.8517	17.50183
TS15_06_M_19	0.146	0.012	8.219178	0.677	0.027	3.988183	205	0.8512	0.782518	2.165221	201.5069	18.98804
TS15_06_N_19	0.144	0.0079	5.486111	0.694	0.034	4.899135	205	0.8512	0.803741	2.718277	179.6568	14.05575
TS15_06_A_20	0.59	0.2	33.89831	0.786	0.041	5.216285	205	0.8512	0.9186	3.245179	302.3905	105.9779
TS15_06_B_20	0.196	0.027	13.77551	0.723	0.037	5.117566	205	0.8512	0.839947	2.945514	199.1195	30.2272
TS15_06_C_20	0.19	0.01	5.263158	0.731	0.058	7.934337	205	0.8512	0.849935	4.612739	181.2313	19.49261
TS15_06_D_20	0.1887	0.0085	4.504505	0.724	0.051	7.044199	205	0.8512	0.841195	4.059515	190.3382	17.91128
TS15_06_E_20	0.1837	0.0054	2.939575	0.733	0.031	4.229195	205	0.8512	0.852432	2.464852	172.4249	10.02225
TS15_06_F_20	0.1841	0.0058	3.150462	0.687	0.027	3.930131	205	0.8512	0.795002	2.161233	238.8098	12.99977

TS15_06_G_20	0.1868	0.0053	2.837259	0.68	0.026	3.823529	205	0.8512	0.786263	2.083842	252.3748	12.96352
TS15_06_H_20	0.1783	0.0096	5.384184	0.713	0.042	5.890603	205	0.8512	0.827462	3.348064	195.3249	17.01726
TS15_06_I_20	0.185	0.014	7.567568	0.701	0.037	5.278174	205	0.8512	0.812481	2.95477	219.8415	21.43667
TS15_06_J_20	0.188	0.012	6.382979	0.714	0.011	1.540616	205	0.8512	0.828711	0.876751	204.3176	13.7267
TS15_06_K_20	0.1864	0.0096	5.150215	0.71	0.033	4.647887	205	0.8512	0.823717	2.631752	208.4181	15.57997
TS15_06_L_20	0.192	0.017	8.854167	0.758	0.026	3.430079	205	0.8512	0.883643	2.062071	142.4311	14.05152
TS15_06_M_20	0.174	0.012	6.896552	0.725	0.035	4.827586	205	0.8512	0.842444	2.785589	174.3479	15.64906
TS15_06_N_20	0.18	0.0071	3.944444	0.686	0.028	4.081633	205	0.8512	0.793754	2.241677	234.9835	14.27516
TS15_06_A_21	0.2296	0.0073	3.179443	0.735	0.038	5.170068	205	0.8512	0.854928	3.020738	211.2214	14.64234
TS15_06_B_21	0.211	0.011	5.21327	0.728	0.058	7.967033	205	0.8512	0.846189	4.614403	205.8892	22.13738
TS15_06_C_21	0.2056	0.007	3.404669	0.69	0.034	4.927536	205	0.8512	0.798748	2.720125	261.3657	17.09591
TS15_06_D_21	0.2127	0.0092	4.325341	0.691	0.039	5.643994	205	0.8512	0.799996	3.119607	268.5631	20.78606
TS15_06_E_21	0.217	0.023	10.59908	0.7	0.055	7.857143	205	0.8512	0.811232	4.392919	258.7969	36.2514
TS15_06_F_21	0.218	0.012	5.504587	0.694	0.044	6.340058	205	0.8512	0.803741	3.517771	270.0688	24.5909
TS15_06_G_21	0.203	0.014	6.896552	0.733	0.025	3.410641	205	0.8512	0.852432	1.987784	190.2754	15.35409
TS15_06_H_21	0.213	0.016	7.511737	0.746	0.05	6.702413	205	0.8512	0.868662	3.969981	177.8626	19.68133
TS15_06_I_21	0.202	0.019	9.405941	0.743	0.073	9.825034	205	0.8512	0.864916	5.797951	173.5457	26.21081
TS15_06_J_21	0.189	0.015	7.936508	0.732	0.071	9.699454	205	0.8512	0.851183	5.645964	178.8114	24.97661
TS15_06_K_21	0.192	0.011	5.729167	0.736	0.041	5.570652	205	0.8512	0.856177	3.25885	175.598	15.42896
TS15_06_L_21	0.202	0.011	5.445545	0.716	0.037	5.167598	205	0.8512	0.831208	2.948253	216.1333	17.61767
TS15_06_M_21	0.206	0.01	4.854369	0.729	0.059	8.093278	205	0.8512	0.847438	4.693392	199.4785	21.37439
TS15_06_N_21	0.1942	0.0061	3.141092	0.737	0.059	8.005427	205	0.8512	0.857425	4.68904	176.062	17.62861
TS15_06_A_22	6.3	3.8	60.31746	0.832	0.019	2.283654	205	0.8512	0.976029	1.50138	906.6462	562.6346
TS15_06_B_22	1.07	0.22	20.56075	0.822	0.041	4.987835	205	0.8512	0.963545	3.24046	246.675	53.98206
TS15_06_C_22	0.73	0.11	15.06849	0.779	0.04	5.134788	205	0.8512	0.909861	3.167382	410.8116	68.96651
TS15_06_D_22	0.502	0.053	10.55777	0.771	0.03	3.891051	205	0.8512	0.899873	2.376843	316.1402	37.40829
TS15_06_E_22	0.419	0.026	6.205251	0.773	0.019	2.457956	205	0.8512	0.90237	1.505118	258.4521	18.16162
TS15_06_F_22	0.374	0.022	5.882353	0.778	0.042	5.398458	205	0.8512	0.908612	3.325968	216.65	19.53532
TS15_06_G_22	0.324	0.016	4.938272	0.781	0.046	5.889885	205	0.8512	0.912358	3.642026	180.502	16.08896
TS15_06_H_22	0.32	0.014	4.375	0.781	0.044	5.633803	205	0.8512	0.912358	3.483677	178.3041	14.85682
TS15_06_I_22	0.31	0.013	4.193548	0.745	0.028	3.758389	205	0.8512	0.867413	2.223414	259.6597	16.17483
TS15_06_J_22	0.278	0.023	8.273381	0.742	0.025	3.369272	205	0.8512	0.863668	1.985807	239.8054	22.38318
TS15_06_K_22	0.239	0.01	4.1841	0.763	0.026	3.407602	205	0.8512	0.889885	2.061203	167.4587	9.957281
TS15_06_L_22	0.2313	0.0083	3.588413	0.769	0.031	4.031209	205	0.8512	0.897376	2.456435	151.2299	9.302625
TS15_06_M_22	0.244	0.013	5.327869	0.767	0.027	3.520209	205	0.8512	0.894879	2.139801	163.262	11.28963
TS15_06_N_22	0.2455	0.0054	2.199593	0.7254	0.0085	1.171767	205	0.8512	0.842943	0.676466	243.8851	6.415475
TS15_06_A_23	0.615	0.055	8.943089	0.807	0.026	3.221809	205	0.8512	0.944818	2.055872	215.1417	21.49791

TS15_06_B_23	0.598	0.027	4.51505	0.82	0.033	4.02439	205	0.8512	0.961048	2.608305	148.4364	10.3514
TS15_06_C_23	0.656	0.03	4.573171	0.791	0.022	2.78129	205	0.8512	0.924842	1.740836	310.2432	18.24204
TS15_06_D_23	0.741	0.024	3.238866	0.812	0.026	3.20197	205	0.8512	0.95106	2.05551	229.6362	12.22331
TS15_06_E_23	0.725	0.051	7.034483	0.808	0.032	3.960396	205	0.8512	0.946066	2.53021	247.2637	21.80608
TS15_06_F_23	0.684	0.03	4.385965	0.816	0.025	3.063725	205	0.8512	0.956054	1.976206	190.9177	11.43038
TS15_06_G_23	0.661	0.039	5.900151	0.816	0.034	4.166667	205	0.8512	0.956054	2.687641	184.589	14.92876
TS15_06_H_23	0.627	0.052	8.293461	0.812	0.056	6.896552	205	0.8512	0.95106	4.427253	194.8356	23.9536
TS15_06_I_23	0.623	0.058	9.309791	0.845	0.027	3.195266	205	0.8512	0.99226	2.133258	31.01194	3.182758
TS15_06_J_23	0.522	0.088	16.85824	0.797	0.022	2.760351	205	0.8512	0.932333	1.740317	223.7714	39.07724
TS15_06_K_23	0.352	0.034	9.659091	0.753	0.031	4.116866	205	0.8512	0.877401	2.459726	272.359	30.08513
TS15_06_L_23	0.319	0.022	6.896552	0.764	0.034	4.450262	205	0.8512	0.891134	2.695201	220.0732	19.56636
TS15_06_M_23	0.237	0.031	13.08017	0.787	0.018	2.287166	205	0.8512	0.919849	1.424631	121.3068	16.37217
TS15_06_N_23	0.187	0.018	9.625668	0.762	0.067	8.792651	205	0.8512	0.888637	5.311997	132.8671	19.2169
TS15_06_A_24	2.99	0.13	4.347826	0.845	0.015	1.775148	205	0.8512	0.99226	1.185143	147.4957	7.383887
TS15_06_B_24	2.65	0.32	12.07547	0.829	0.013	1.568154	205	0.8512	0.972284	1.027312	456.8903	57.7362
TS15_06_C_24	1.82	0.22	12.08791	0.831	0.015	1.805054	205	0.8512	0.974781	1.185319	289.2916	36.34451
TS15_06_D_24	1.415	0.051	3.60424	0.842	0.012	1.425178	205	0.8512	0.988514	0.948132	103.9281	4.265506
TS15_06_E_24	1.351	0.06	4.441155	0.827	0.028	3.385732	205	0.8512	0.969787	2.212755	257.8985	16.47615
TS15_06_F_24	1.168	0.079	6.763699	0.814	0.022	2.702703	205	0.8512	0.953557	1.739167	340.5327	26.54141
TS15_06_G_24	1.037	0.047	4.532305	0.8203	0.0072	0.877728	205	0.8512	0.961422	0.56908	252.8634	12.03994
TS15_06_H_24	1.006	0.045	4.473161	0.814	0.022	2.702703	205	0.8512	0.953557	1.739167	294.3621	17.04384
TS15_06_I_24	0.984	0.024	2.439024	0.814	0.024	2.948403	205	0.8512	0.953557	1.897273	288.0665	13.27516
TS15_06_J_24	0.978	0.029	2.965235	0.839	0.013	1.549464	205	0.8512	0.984769	1.027169	95.31873	3.46309
TS15_06_K_24	1.193	0.098	8.214585	0.832	0.013	1.5625	205	0.8512	0.976029	1.02726	181.7603	15.59092
TS15_06_L_24	1.293	0.044	3.402939	0.824	0.012	1.456311	205	0.8512	0.966042	0.948383	277.0111	11.01777
TS15_06_M_24	1.07	0.11	10.28037	0.828	0.033	3.985507	205	0.8512	0.971036	2.607839	196.7531	22.98987
TS15_06_N_24	0.87	0.053	6.091954	0.834	0.024	2.877698	205	0.8512	0.978526	1.896424	119.3209	8.636635
TS15_06_A_25	0.192	0.012	6.25	0.661	0.031	4.689864	205	0.8512	0.762542	2.494126	287.4015	23.45954
TS15_06_B_25	0.191	0.011	5.759162	0.71	0.057	8.028169	205	0.8512	0.823717	4.545753	213.4772	23.31712
TS15_06_C_25	0.193	0.017	8.80829	0.729	0.063	8.641975	205	0.8512	0.847438	5.011588	187.0709	25.27796
TS15_06_D_25	0.202	0.012	5.940594	0.686	0.036	5.247813	205	0.8512	0.793754	2.882156	263.1251	22.1927
TS15_06_E_25	0.1934	0.0082	4.239917	0.699	0.029	4.148784	205	0.8512	0.809984	2.316636	232.6511	14.86127
TS15_06_F_25	0.185	0.013	7.027027	0.702	0.03	4.273504	205	0.8512	0.813729	2.395384	218.4023	18.86515
TS15_06_G_25	0.202	0.013	6.435644	0.677	0.02	2.95421	205	0.8512	0.782518	1.603867	277.1561	20.33217
TS15_06_H_25	0.211	0.013	6.161137	0.694	0.038	5.475504	205	0.8512	0.803741	3.038075	261.5704	23.0586
TS15_06_I_25	0.201	0.019	9.452736	0.733	0.037	5.047749	205	0.8512	0.852432	2.94192	188.4279	21.25478
TS15_06_J_25	0.189	0.01	5.291005	0.742	0.048	6.469003	205	0.8512	0.863668	3.81275	163.9996	15.3982

TS15_06_K_25	0.187	0.011	5.882353	0.69	0.034	4.927536	205	0.8512	0.798748	2.720125	238.1519	19.40926
TS15_06_L_25	0.189	0.012	6.349206	0.707	0.043	6.082037	205	0.8512	0.819971	3.430766	215.6927	20.47246
TS15_06_M_25	0.173	0.011	6.358382	0.745	0.042	5.637584	205	0.8512	0.867413	3.335122	146.1945	13.61176
TS15_06_N_25	0.1688	0.0092	5.450237	0.722	0.029	4.01662	205	0.8512	0.838698	2.308944	173.1741	12.52622
TS15_06_A_26	0.507	0.034	6.706114	0.779	0.039	5.006418	205	0.8512	0.909861	3.088198	288.0711	26.80332
TS15_06_B_26	0.418	0.047	11.24402	0.768	0.046	5.989583	205	0.8512	0.896128	3.645308	273.9883	37.39933
TS15_06_C_26	0.34	0.027	7.941176	0.763	0.052	6.815203	205	0.8512	0.889885	4.122406	236.9388	27.56852
TS15_06_D_26	0.314	0.021	6.687898	0.784	0.022	2.806122	205	0.8512	0.916103	1.74152	167.6234	12.79275
TS15_06_E_26	0.304	0.017	5.592105	0.756	0.027	3.571429	205	0.8512	0.881146	2.141759	228.8098	16.38634
TS15_06_F_26	0.306	0.014	4.575163	0.76	0.037	4.868421	205	0.8512	0.88614	2.933982	220.7763	16.69039
TS15_06_G_26	0.281	0.013	4.626335	0.763	0.033	4.325033	205	0.8512	0.889885	2.616142	196.4424	13.91619
TS15_06_H_26	0.285	0.014	4.912281	0.732	0.041	5.601093	205	0.8512	0.851183	3.260345	267.7715	22.28253
TS15_06_I_26	0.284	0.016	5.633803	0.753	0.054	7.171315	205	0.8512	0.877401	4.284685	220.6332	22.97755
TS15_06_J_26	0.278	0.016	5.755396	0.744	0.048	6.451613	205	0.8512	0.866165	3.811957	235.4926	22.87054
TS15_06_K_26	0.263	0.014	5.323194	0.717	0.04	5.578801	205	0.8512	0.832456	3.186865	277.9748	23.54564
TS15_06_L_26	0.22	0.022	10	0.686	0.033	4.810496	205	0.8512	0.793754	2.641976	286.0589	32.99777
TS15_06_M_26	0.1772	0.0082	4.62754	0.677	0.023	3.397341	205	0.8512	0.782518	1.844448	243.7638	14.68528
TS15_06_N_26	0.1577	0.0067	4.248573	0.663	0.021	3.167421	205	0.8512	0.765039	1.688843	234.5423	12.95148
TS15_06_A_28	5.17	0.6	11.60542	0.827	0.028	3.385732	205	0.8512	0.969787	2.212755	935.6266	123.8691
TS15_06_B_28	3.4	0.75	22.05882	0.84	0.023	2.738095	205	0.8512	0.986017	1.817282	299.4102	68.15416
TS15_06_C_28	1.45	0.43	29.65517	0.833	0.022	2.641056	205	0.8512	0.977278	1.738414	208.966	63.10608
TS15_06_D_28	0.799	0.068	8.510638	0.843	0.012	1.423488	205	0.8512	0.989763	0.948125	52.51517	4.596035
TS15_06_E_28	0.626	0.044	7.028754	0.815	0.059	7.239264	205	0.8512	0.954806	4.663986	179.8477	21.26625
TS15_06_F_28	0.526	0.036	6.844106	0.79	0.06	7.594937	205	0.8512	0.923594	4.747987	254.0079	30.25495
TS15_06_G_28	0.445	0.027	6.067416	0.794	0.029	3.652393	205	0.8512	0.928588	2.294386	201.6691	15.56518
TS15_06_H_28	0.394	0.025	6.345178	0.768	0.038	4.947917	205	0.8512	0.896128	3.011341	258.5681	23.03906
TS15_06_I_28	0.373	0.024	6.434316	0.793	0.026	3.278689	205	0.8512	0.927339	2.057139	172.3877	13.32952
TS15_06_J_28	0.397	0.018	4.534005	0.794	0.023	2.896725	205	0.8512	0.928588	1.819686	180.2171	10.61685
TS15_06_K_28	0.431	0.022	5.104408	0.796	0.02	2.512563	205	0.8512	0.931085	1.582181	188.6858	11.48909
TS15_06_L_28	0.462	0.02	4.329004	0.796	0.024	3.015075	205	0.8512	0.931085	1.898617	202.0467	11.8081
TS15_06_M_28	0.488	0.028	5.737705	0.781	0.013	1.664533	205	0.8512	0.912358	1.029268	269.9761	16.78482
TS15_06_N_28	0.521	0.017	3.262956	0.771	0.024	3.11284	205	0.8512	0.899873	1.901475	327.8064	16.82894
TS16_14_1_1	0.307	0.066	21.49837	0.777	0.038	4.890605	177	0.8554	0.902704	3.001198	189.7346	42.83664
TS16_14_2_1	0.147	0.018	12.2449	0.704	0.032	4.545455	177	0.8554	0.812109	2.547972	175.6356	23.57157
TS16_14_3_1	0.096	0.0071	7.395833	0.635	0.027	4.251969	177	0.8554	0.726478	2.180931	167.0865	14.5177
TS16_14_4_1	0.0815	0.0043	5.276074	0.605	0.029	4.793388	177	0.8554	0.689247	2.363067	161.231	11.55415
TS16_14_5_1	0.0753	0.003	3.984064	0.596	0.017	2.852349	177	0.8554	0.678078	1.38936	154.4019	7.585945

TS16_14_6_1	0.0728	0.0025	3.434066	0.607	0.013	2.14168	177	0.8554	0.691729	1.058632	143.0717	5.833835
TS16_14_7_1	0.069	0.0029	4.202899	0.595	0.016	2.689076	177	0.8554	0.676837	1.308077	142.1646	7.112282
TS16_14_8_1	0.0678	0.0023	3.39233	0.554	0.028	5.054152	177	0.8554	0.625955	2.325618	161.4442	9.404678
TS16_14_9_1	0.0742	0.0031	4.177898	0.568	0.035	6.161972	177	0.8554	0.643329	2.890127	168.3857	12.15611
TS16_14_10_1	0.0752	0.0026	3.457447	0.572	0.02	3.496503	177	0.8554	0.648293	1.648892	168.2813	8.141211
TS16_14_11_1	0.0744	0.0038	5.107527	0.601	0.033	5.490849	177	0.8554	0.684283	2.692499	149.671	11.22865
TS16_14_12_1	0.0856	0.0037	4.32243	0.596	0.025	4.194631	177	0.8554	0.678078	2.043176	175.2373	10.55787
TS16_14_13_1	0.089	0.0032	3.595506	0.627	0.02	3.189793	177	0.8554	0.71655	1.619013	160.6068	7.864007
TS16_14_1_2	0.189	0.013	6.878307	0.741	0.025	3.373819	177	0.8554	0.858027	1.980848	170.6964	13.71565
TS16_14_2_2	0.1449	0.0091	6.280193	0.691	0.024	3.473227	177	0.8554	0.795975	1.915101	187.8138	14.00365
TS16_14_3_2	0.1174	0.006	5.110733	0.68	0.027	3.970588	177	0.8554	0.782324	2.158826	162.6693	11.01233
TS16_14_4_2	0.0989	0.0031	3.134479	0.647	0.016	2.472952	177	0.8554	0.74137	1.288477	162.816	6.6874
TS16_14_5_2	0.0945	0.0018	1.904762	0.634	0.017	2.681388	177	0.8554	0.725237	1.373543	165.2458	5.592887
TS16_14_6_2	0.0962	0.0032	3.326403	0.632	0.014	2.21519	177	0.8554	0.722755	1.131758	169.6794	6.913966
TS16_14_7_2	0.1137	0.0048	4.221636	0.66	0.019	2.878788	177	0.8554	0.757504	1.52545	175.3334	9.251219
TS16_14_8_2	0.1257	0.0057	4.534606	0.695	0.018	2.589928	177	0.8554	0.800939	1.435338	159.3166	8.651061
TS16_14_9_2	0.1474	0.0038	2.578019	0.709	0.026	3.667137	177	0.8554	0.818314	2.06864	170.3673	8.410221
TS16_14_10_2	0.1561	0.0053	3.395259	0.706	0.03	4.249292	177	0.8554	0.814591	2.387981	183.9257	10.9237
TS16_14_11_2	0.1669	0.0064	3.834632	0.705	0.03	4.255319	177	0.8554	0.81335	2.388351	197.7538	12.28932
TS16_14_12_2	0.1662	0.0091	5.475331	0.744	0.042	5.645161	177	0.8554	0.86175	3.326745	146.4445	12.75054
TS16_14_13_2	0.1672	0.0093	5.562201	0.701	0.03	4.279601	177	0.8554	0.808386	2.389862	203.2904	15.1286
TS16_14_1_3	0.1394	0.0071	5.093257	0.706	0.013	1.84136	177	0.8554	0.814591	1.034792	164.4976	9.153416
TS16_14_2_3	0.1583	0.0052	3.284902	0.702	0.022	3.133903	177	0.8554	0.809627	1.752285	191.4001	9.324797
TS16_14_3_3	0.1674	0.0069	4.121864	0.734	0.034	4.632153	177	0.8554	0.849339	2.696105	160.5659	11.0253
TS16_14_4_3	0.1695	0.0064	3.775811	0.732	0.034	4.644809	177	0.8554	0.846857	2.696749	165.199	11.00754
TS16_14_5_3	0.175	0.0065	3.714286	0.743	0.031	4.172275	177	0.8554	0.860509	2.455718	155.4733	9.682792
TS16_14_6_3	0.1837	0.0056	3.048449	0.738	0.027	3.658537	177	0.8554	0.854304	2.140033	170.2661	9.059829
TS16_14_7_3	0.1858	0.0071	3.821313	0.74	0.031	4.189189	177	0.8554	0.856786	2.456523	169.2916	10.66777
TS16_14_8_3	0.1766	0.0065	3.680634	0.774	0.021	2.713178	177	0.8554	0.89898	1.658913	113.9905	5.696297
TS16_14_9_3	0.1771	0.0085	4.799548	0.747	0.023	3.078983	177	0.8554	0.865473	1.821218	151.7833	9.247123
TS16_14_10_3	0.14	0.013	9.285714	0.712	0.027	3.792135	177	0.8554	0.822037	2.147249	158.6432	16.41076
TS16_14_11_3	0.1151	0.0057	4.952215	0.617	0.041	6.645057	177	0.8554	0.704139	3.328538	215.8683	18.18828
TS16_14_12_3	0.121	0.0092	7.603306	0.605	0.036	5.950413	177	0.8554	0.689247	2.933462	237.9463	23.2367
TS16_14_13_3	0.17	0.01	5.882353	0.696	0.027	3.87931	177	0.8554	0.80218	2.152644	213.223	15.78358
TS16_14_1_4	0.507	0.077	15.18738	0.791	0.022	2.78129	177	0.8554	0.920078	1.736003	256.0584	40.56679
TS16_14_2_4	0.28	0.032	11.42857	0.771	0.02	2.594034	177	0.8554	0.895257	1.580272	186.3406	22.37897
TS16_14_3_4	0.2123	0.0083	3.909562	0.754	0.019	2.519894	177	0.8554	0.87416	1.503443	169.961	8.488613

TS16_14_4_4	0.2117	0.0069	3.259329	0.762	0.03	3.937008	177	0.8554	0.884088	2.372141	156.2759	9.098722
TS16_14_5_4	0.2158	0.009	4.170528	0.786	0.023	2.926209	177	0.8554	0.913873	1.815444	118.7148	6.621888
TS16_14_6_4	0.2146	0.0062	2.889096	0.773	0.023	2.97542	177	0.8554	0.897739	1.817039	139.9374	6.564366
TS16_14_7_4	0.219	0.01	4.56621	0.754	0.029	3.846154	177	0.8554	0.87416	2.294729	175.2526	11.49133
TS16_14_8_4	0.285	0.049	17.19298	0.762	0.033	4.330709	177	0.8554	0.884088	2.609355	209.5146	38.14999
TS16_14_9_4	0.429	0.047	10.95571	0.793	0.031	3.909206	177	0.8554	0.92256	2.445917	210.6807	25.6445
TS16_14_10_4	0.311	0.024	7.717042	0.769	0.019	2.470741	177	0.8554	0.892775	1.501491	211.4612	17.77638
TS16_14_11_4	0.262	0.011	4.198473	0.765	0.028	3.660131	177	0.8554	0.887811	2.213437	186.751	11.55031
TS16_14_12_4	0.2565	0.0093	3.625731	0.781	0.024	3.072983	177	0.8554	0.907668	1.894978	150.8922	8.002627
TS16_14_13_4	0.264	0.01	3.787879	0.756	0.031	4.100529	177	0.8554	0.876642	2.452526	206.5912	12.9975
TS16_14_1_5	0.417	0.042	10.07194	0.806	0.025	3.101737	177	0.8554	0.938693	1.971286	162.7305	17.80052
TS16_14_2_5	0.448	0.037	8.258929	0.808	0.022	2.722772	177	0.8554	0.941175	1.73459	167.6852	15.20032
TS16_14_3_5	0.467	0.037	7.922912	0.803	0.024	2.988792	177	0.8554	0.93497	1.89268	192.8567	17.16723
TS16_14_4_5	0.34	0.075	22.05882	0.75	0.031	4.133333	177	0.8554	0.869196	2.45394	280.5018	64.4643
TS16_14_5_5	0.144	0.019	13.19444	0.615	0.042	6.829268	177	0.8554	0.701657	3.411761	271.1627	41.0081
TS16_14_6_5	0.274	0.062	22.62774	0.69	0.051	7.391304	177	0.8554	0.794734	4.070304	352.7354	86.60345
TS16_14_7_5	0.373	0.02	5.36193	0.822	0.026	3.163017	177	0.8554	0.95855	2.049006	98.90506	6.722696
TS16_14_8_5	0.368	0.026	7.065217	0.81	0.024	2.962963	177	0.8554	0.943657	1.892133	132.2936	10.7038
TS16_14_9_5	0.361	0.038	10.52632	0.803	0.024	2.988792	177	0.8554	0.93497	1.89268	149.5853	16.90646
TS16_14_10_5	0.307	0.026	8.469055	0.779	0.031	3.979461	177	0.8554	0.905186	2.448008	184.9632	18.32989
TS16_14_11_5	0.317	0.015	4.731861	0.794	0.029	3.652393	177	0.8554	0.923801	2.287993	153.8628	10.24181
TS16_14_12_5	0.302	0.012	3.97351	0.797	0.029	3.638645	177	0.8554	0.927524	2.287639	139.5754	8.544641
TS16_14_13_5	0.2973	0.0099	3.32997	0.757	0.023	3.038309	177	0.8554	0.877883	1.819449	229.8911	11.53384
TS16_14_1_6	0.368	0.021	5.706522	0.811	0.024	2.959309	177	0.8554	0.944898	1.892062	129.4087	8.944185
TS16_14_2_6	0.314	0.013	4.140127	0.773	0.02	2.587322	177	0.8554	0.897739	1.580034	203.7393	10.77188
TS16_14_3_6	0.274	0.014	5.109489	0.778	0.022	2.827763	177	0.8554	0.903945	1.737415	167.4701	10.47522
TS16_14_4_6	0.239	0.01	4.1841	0.754	0.034	4.509284	177	0.8554	0.87416	2.690372	191.0225	13.20157
TS16_14_5_6	0.2168	0.007	3.228782	0.745	0.035	4.697987	177	0.8554	0.862991	2.771995	188.693	12.27315
TS16_14_6_6	0.2017	0.009	4.462072	0.72	0.025	3.472222	177	0.8554	0.831965	1.985955	214.8651	13.0387
TS16_14_7_6	0.1829	0.006	3.280481	0.715	0.02	2.797203	177	0.8554	0.82576	1.589868	202.232	9.378833
TS16_14_8_6	0.1569	0.007	4.46144	0.726	0.016	2.203857	177	0.8554	0.839411	1.270006	160.4137	8.333284
TS16_14_9_6	0.1464	0.0047	3.210383	0.693	0.019	2.741703	177	0.8554	0.798457	1.515596	187.4548	8.392695
TS16_14_10_6	0.1408	0.0047	3.338068	0.69	0.02	2.898551	177	0.8554	0.794734	1.596198	183.6689	8.599724
TS16_14_11_6	0.136	0.0056	4.117647	0.698	0.025	3.581662	177	0.8554	0.804663	1.992525	169.0195	9.805848
TS16_14_12_6	0.137	0.0051	3.722628	0.671	0.023	3.42772	177	0.8554	0.771155	1.842274	199.0031	10.57712
TS16_14_13_6	0.1359	0.0039	2.869757	0.682	0.021	3.079179	177	0.8554	0.784806	1.678451	185.8203	8.320557
TS16_14_1_7	0.361	0.04	11.08033	0.746	0.027	3.619303	177	0.8554	0.864232	2.138172	308.455	37.41674

TS16_14_2_7	0.269	0.03	11.15242	0.713	0.033	4.628331	177	0.8554	0.823278	2.624034	299.39	37.6615
TS16_14_3_7	0.168	0.018	10.71429	0.683	0.034	4.978038	177	0.8554	0.786047	2.716983	227.6433	27.77658
TS16_14_4_7	0.178	0.021	11.79775	0.708	0.043	6.073446	177	0.8554	0.817073	3.421728	206.5571	28.56496
TS16_14_5_7	0.173	0.026	15.0289	0.714	0.04	5.602241	177	0.8554	0.824519	3.180189	192.7899	31.85846
TS16_14_6_7	0.2	0.034	17	0.724	0.034	4.696133	177	0.8554	0.836929	2.699461	206.8887	37.39204
TS16_14_7_7	0.318	0.026	8.176101	0.739	0.042	5.683356	177	0.8554	0.855545	3.328564	289.5276	31.14695
TS16_14_8_7	0.294	0.043	14.62585	0.747	0.036	4.819277	177	0.8554	0.865473	2.850601	250.0492	39.89957
TS16_14_9_7	0.269	0.035	13.01115	0.758	0.036	4.74934	177	0.8554	0.879124	2.847574	206.2735	29.70223
TS16_14_10_7	0.22	0.048	21.81818	0.746	0.037	4.959786	177	0.8554	0.864232	2.930088	189.7284	43.35333
TS16_14_11_7	0.1264	0.0069	5.458861	0.615	0.031	5.04065	177	0.8554	0.701657	2.518205	238.626	18.03031
TS16_14_12_7	0.1145	0.0047	4.104803	0.607	0.018	2.965404	177	0.8554	0.691729	1.465798	223.6155	11.46726
TS16_14_13_7	0.148	0.024	16.21622	0.64	0.027	4.21875	177	0.8554	0.732683	2.178102	250.1231	42.68231
TS16_14_1_8	1.16	0.51	43.96552	0.833	0.03	3.601441	177	0.8554	0.972201	2.363649	204.595	91.27151
TS16_14_2_8	0.28	0.12	42.85714	0.748	0.042	5.614973	177	0.8554	0.866714	3.325361	236.2004	103.5049
TS16_14_3_8	0.102	0.0051	5	0.67	0.028	4.179104	177	0.8554	0.769914	2.243229	149.5416	10.15527
TS16_14_4_8	0.0887	0.002	2.254791	0.66	0.032	4.848485	177	0.8554	0.757504	2.56918	137.1885	7.775882
TS16_14_5_8	0.0952	0.0045	4.726891	0.641	0.027	4.212168	177	0.8554	0.733924	2.177548	161.2566	10.48666
TS16_14_6_8	0.1008	0.0031	3.075397	0.622	0.024	3.858521	177	0.8554	0.710345	1.945567	185.5223	9.328349
TS16_14_7_8	0.097	0.0036	3.71134	0.602	0.022	3.654485	177	0.8554	0.685524	1.794412	193.7029	10.14412
TS16_14_8_8	0.0864	0.0041	4.74537	0.579	0.032	5.52677	177	0.8554	0.65698	2.631168	188.2753	13.52364
TS16_14_9_8	0.0846	0.0099	11.70213	0.527	0.022	4.174573	177	0.8554	0.592447	1.850482	218.5199	27.22206
TS16_14_10_8	0.1082	0.0056	5.175601	0.607	0.03	4.942339	177	0.8554	0.691729	2.442996	211.5114	15.28602
TS16_14_11_8	0.1065	0.0034	3.192488	0.627	0.022	3.508772	177	0.8554	0.71655	1.780914	191.7214	9.301355
TS16_14_12_8	0.1063	0.0048	4.515522	0.619	0.021	3.392569	177	0.8554	0.706621	1.703855	197.9676	11.36288
TS16_14_13_8	0.1039	0.0047	4.52358	0.627	0.022	3.508772	177	0.8554	0.71655	1.780914	187.1082	10.92146
TS16_14_1_9	1.072	0.06	5.597015	0.819	0.022	2.686203	177	0.8554	0.954827	1.733924	304.8498	20.52159
TS16_14_2_9	1.157	0.045	3.889369	0.849	0.018	2.120141	177	0.8554	0.992057	1.41793	58.9691	2.85084
TS16_14_3_9	1.079	0.056	5.189991	0.847	0.023	2.715466	177	0.8554	0.989575	1.811821	72.10554	4.588148
TS16_14_4_9	1.022	0.041	4.011742	0.861	0.034	3.948897	177	0.8554	1.00695	2.678302	-45.9499	-3.06492
TS16_14_5_9	1.082	0.054	4.990758	0.855	0.022	2.573099	177	0.8554	0.999504	1.732998	3.461543	0.210385
TS16_14_6_9	1.11	0.061	5.495495	0.845	0.019	2.248521	177	0.8554	0.987093	1.496743	91.69863	5.776836
TS16_14_7_9	1.142	0.054	4.728546	0.861	0.018	2.090592	177	0.8554	1.00695	1.417925	-51.3668	-2.82159
TS16_14_8_9	1.149	0.05	4.35161	0.859	0.028	3.259604	177	0.8554	1.004468	2.205645	-33.1771	-2.05085
TS16_14_9_9	1.45	0.2	13.7931	0.871	0.032	3.673938	177	0.8554	1.01936	2.520956	-183.552	-26.6308
TS16_14_10_9	1.73	0.17	9.82659	0.848	0.017	2.004717	177	0.8554	0.990816	1.339163	101.6131	10.42291
TS16_14_11_9	1.547	0.081	5.235941	0.853	0.019	2.227433	177	0.8554	0.997022	1.496684	29.6348	1.791198
TS16_14_12_9	1.52	0.11	7.236842	0.856	0.023	2.686916	177	0.8554	1.000745	1.811771	-7.30028	-0.59053

TS16_14_13_9	1.62	0.11	6.790123	0.844	0.026	3.080569	177	0.8554	0.985852	2.048193	146.0794	11.70583
TS16_14_1_10	0.88	0.13	14.77273	0.844	0.027	3.199052	177	0.8554	0.985852	2.126969	79.76218	12.32623
TS16_14_2_10	0.505	0.059	11.68317	0.827	0.022	2.660218	177	0.8554	0.964755	1.733556	113.7293	13.96776
TS16_14_3_10	0.363	0.043	11.84573	0.793	0.028	3.530895	177	0.8554	0.92256	2.209216	178.7131	22.87008
TS16_14_4_10	0.299	0.025	8.361204	0.763	0.034	4.456094	177	0.8554	0.885329	2.688196	217.3208	21.93387
TS16_14_5_10	0.254	0.028	11.02362	0.771	0.036	4.669261	177	0.8554	0.895257	2.84449	169.2627	21.24014
TS16_14_6_10	0.202	0.017	8.415842	0.727	0.034	4.676754	177	0.8554	0.840652	2.698418	204.2292	20.71161
TS16_14_7_10	0.176	0.013	7.386364	0.71	0.047	6.619718	177	0.8554	0.819555	3.738906	201.5438	21.48258
TS16_14_8_10	0.152	0.015	9.868421	0.669	0.035	5.231689	177	0.8554	0.768673	2.804616	222.7732	25.67818
TS16_14_9_10	0.1383	0.0071	5.133767	0.699	0.021	3.004292	177	0.8554	0.805904	1.673446	170.7628	10.59615
TS16_14_10_10	0.1351	0.0079	5.84752	0.712	0.032	4.494382	177	0.8554	0.822037	2.544888	153.1561	12.00422
TS16_14_11_10	0.1401	0.0088	6.281228	0.693	0.025	3.607504	177	0.8554	0.798457	1.994205	179.4993	13.52914
TS16_14_12_10	0.1332	0.0063	4.72973	0.707	0.014	1.980198	177	0.8554	0.815832	1.11422	156.2298	8.262826
TS16_14_13_10	0.1322	0.0096	7.261725	0.694	0.023	3.314121	177	0.8554	0.799698	1.834354	168.4793	13.87298
TS16_14_1_11	0.285	0.015	5.263158	0.748	0.028	3.743316	177	0.8554	0.866714	2.216908	240.3406	16.83003
TS16_14_2_11	0.2884	0.0099	3.432732	0.737	0.019	2.578019	177	0.8554	0.853063	1.506121	267.5485	12.46392
TS16_14_3_11	0.2861	0.0096	3.35547	0.743	0.024	3.230148	177	0.8554	0.860509	1.901201	252.2656	13.03341
TS16_14_4_11	0.262	0.013	4.961832	0.753	0.019	2.52324	177	0.8554	0.872919	1.503587	211.1391	12.44104
TS16_14_5_11	0.2497	0.0087	3.484181	0.77	0.02	2.597403	177	0.8554	0.894016	1.580394	168.3803	8.020416
TS16_14_6_11	0.2471	0.0082	3.318495	0.754	0.017	2.254642	177	0.8554	0.87416	1.345186	197.3983	8.557737
TS16_14_7_11	0.2528	0.0065	2.571203	0.748	0.025	3.342246	177	0.8554	0.866714	1.979382	213.6311	10.24521
TS16_14_8_11	0.258	0.01	3.875969	0.772	0.034	4.404145	177	0.8554	0.896498	2.686259	169.8829	11.39382
TS16_14_9_11	0.247	0.0082	3.319838	0.757	0.023	3.038309	177	0.8554	0.877883	1.819449	191.5677	9.570619
TS16_14_10_11	0.2338	0.0057	2.437981	0.769	0.034	4.421326	177	0.8554	0.892775	2.686879	159.6135	9.529213
TS16_14_11_11	0.225	0.0057	2.533333	0.794	0.028	3.526448	177	0.8554	0.923801	2.209097	109.5856	5.626398
TS16_14_12_11	0.2271	0.0079	3.478644	0.766	0.039	5.091384	177	0.8554	0.889052	3.082749	160.4128	11.48808
TS16_14_13_11	0.232	0.01	4.310345	0.751	0.028	3.728362	177	0.8554	0.870437	2.216243	190.9153	11.96916
TS16_14_1_12	0.16	0.016	10	0.655	0.036	5.496183	177	0.8554	0.751298	2.893593	251.5451	29.56972
TS16_14_2_12	0.244	0.02	8.196721	0.773	0.033	4.269082	177	0.8554	0.897739	2.607056	158.8742	15.60683
TS16_14_3_12	0.274	0.01	3.649635	0.77	0.031	4.025974	177	0.8554	0.894016	2.44961	184.5341	11.42631
TS16_14_4_12	0.2751	0.0094	3.416939	0.743	0.02	2.69179	177	0.8554	0.860509	1.584334	242.7467	11.51747
TS16_14_5_12	0.275	0.015	5.454545	0.763	0.043	5.635649	177	0.8554	0.885329	3.399778	200.1448	17.69597
TS16_14_6_12	0.255	0.025	9.803922	0.741	0.049	6.612686	177	0.8554	0.858027	3.882462	229.2556	29.12175
TS16_14_7_12	0.205	0.01	4.878049	0.716	0.032	4.469274	177	0.8554	0.827001	2.543428	224.6602	16.09263
TS16_14_8_12	0.186	0.017	9.139785	0.716	0.028	3.910615	177	0.8554	0.827001	2.2255	204.1641	21.05302

TS16_14_9_12	0.184	0.02	10.86957	0.711	0.027	3.797468	177	0.8554	0.820796	2.147564	209.132	24.79516
TS16_14_10_12	0.206	0.015	7.281553	0.76	0.022	2.894737	177	0.8554	0.881606	1.739873	155.3358	12.67585
TS16_14_11_12	0.201	0.012	5.970149	0.756	0.03	3.968254	177	0.8554	0.876642	2.373413	157.8891	12.17978
TS16_14_12_12	0.1797	0.0065	3.61714	0.723	0.033	4.564315	177	0.8554	0.835688	2.620409	187.5862	12.10938
TS16_14_13_12	0.1798	0.0051	2.836485	0.714	0.025	3.501401	177	0.8554	0.824519	1.987618	200.2513	9.925015
TS16_14_1_13	0.096	0.0059	6.145833	0.618	0.026	4.20712	177	0.8554	0.70538	2.110155	179.7962	13.57881
TS16_14_2_13	0.0856	0.0016	1.869159	0.592	0.02	3.378378	177	0.8554	0.673114	1.636784	177.9026	6.796051
TS16_14_3_13	0.089	0.0025	2.808989	0.59	0.017	2.881356	177	0.8554	0.670632	1.392238	186.252	7.46979
TS16_14_4_13	0.0927	0.0024	2.588997	0.62	0.019	3.064516	177	0.8554	0.707862	1.541132	172.2543	7.02344
TS16_14_5_13	0.0953	0.0019	1.993704	0.623	0.019	3.049759	177	0.8554	0.711586	1.539799	174.7941	6.496988
TS16_14_6_13	0.097	0.0023	2.371134	0.603	0.023	3.814262	177	0.8554	0.686765	1.875365	192.9498	8.685468
TS16_14_7_13	0.0995	0.0027	2.713568	0.621	0.017	2.73752	177	0.8554	0.709104	1.378508	183.937	7.213882
TS16_14_8_13	0.0986	0.003	3.042596	0.618	0.016	2.588997	177	0.8554	0.70538	1.298557	184.5966	7.486813
TS16_14_9_13	0.1022	0.0026	2.544031	0.607	0.018	2.965404	177	0.8554	0.691729	1.465798	199.9624	7.878437
TS16_14_10_13	0.104	0.0026	2.5	0.626	0.02	3.194888	177	0.8554	0.715309	1.619465	188.0938	7.804577
TS16_14_11_13	0.1063	0.0034	3.198495	0.626	0.016	2.555911	177	0.8554	0.715309	1.295572	192.1922	8.025433
TS16_14_12_13	0.1088	0.0026	2.389706	0.636	0.018	2.830189	177	0.8554	0.727719	1.453572	188.1957	7.182698
TS16_14_13_13	0.1098	0.0029	2.641166	0.648	0.019	2.932099	177	0.8554	0.742611	1.529696	179.6571	7.359195
TS16_14_1_14	0.08	0.0033	4.125	0.553	0.02	3.616637	177	0.8554	0.624714	1.661878	190.6916	10.24454
TS16_14_2_14	0.0726	0.0013	1.790634	0.51	0.01	1.960784	177	0.8554	0.57135	0.848698	197.5543	4.947795
TS16_14_3_14	0.0719	0.002	2.781641	0.533	0.017	3.189493	177	0.8554	0.599893	1.425678	182.831	7.382986
TS16_14_4_14	0.0735	0.0025	3.401361	0.522	0.016	3.065134	177	0.8554	0.586242	1.349242	193.1214	8.506158
TS16_14_5_14	0.0753	0.0031	4.116866	0.529	0.019	3.591682	177	0.8554	0.594929	1.596545	193.6883	10.23622
TS16_14_6_14	0.0794	0.0024	3.02267	0.548	0.02	3.649635	177	0.8554	0.618509	1.665553	192.3656	8.777195
TS16_14_7_14	0.0815	0.0035	4.294479	0.588	0.022	3.741497	177	0.8554	0.66815	1.802993	172.0324	9.769435
TS16_14_8_14	0.0852	0.0019	2.230047	0.558	0.019	3.405018	177	0.8554	0.630919	1.575397	199.5901	7.820206
TS16_14_9_14	0.0851	0.0019	2.232667	0.568	0.02	3.521127	177	0.8554	0.643329	1.651501	192.7553	7.79611
TS16_14_10_14	0.0917	0.004	4.36205	0.589	0.026	4.414261	177	0.8554	0.669391	2.130055	192.5312	11.9051
TS16_14_11_14	0.0915	0.0037	4.043716	0.593	0.021	3.541315	177	0.8554	0.674355	1.718028	189.2747	10.18457
TS16_14_12_14	0.0892	0.0029	3.251121	0.584	0.019	3.253425	177	0.8554	0.663186	1.559372	190.8227	8.71945
TS16_14_13_14	0.0974	0.0094	9.650924	0.643	0.021	3.265941	177	0.8554	0.736406	1.692796	163.4166	16.90496
TS16_14_1_15	0.1282	0.0066	5.148206	0.673	0.027	4.011887	177	0.8554	0.773637	2.161792	184.4103	12.5645
TS16_14_2_15	0.1234	0.0047	3.808752	0.679	0.022	3.240059	177	0.8554	0.781083	1.75938	171.835	9.023815
TS16_14_3_15	0.1282	0.0039	3.042122	0.676	0.02	2.95858	177	0.8554	0.77736	1.600371	181.4196	8.119793

TS16_14_4_15	0.1412	0.0062	4.390935	0.696	0.028	4.022989	177	0.8554	0.80218	2.232371	177.5931	11.26586
TS16_14_5_15	0.1581	0.0051	3.225806	0.746	0.033	4.423592	177	0.8554	0.864232	2.613322	136.9079	8.493151
TS16_14_6_15	0.1676	0.0061	3.639618	0.738	0.027	3.658537	177	0.8554	0.854304	2.140033	155.522	8.837953
TS16_14_7_15	0.173	0.0078	4.508671	0.742	0.035	4.716981	177	0.8554	0.859268	2.772884	155.0687	11.20783
TS16_14_8_15	0.1809	0.0067	3.703704	0.743	0.022	2.960969	177	0.8554	0.860509	1.742767	160.6502	8.267861
TS16_14_9_15	0.186	0.0094	5.053763	0.749	0.031	4.138852	177	0.8554	0.867955	2.454185	156.4135	11.14453
TS16_14_10_15	0.187	0.01	5.347594	0.755	0.022	2.913907	177	0.8554	0.875401	1.740665	148.4784	9.577154
TS16_14_11_15	0.1827	0.0067	3.667214	0.752	0.02	2.659574	177	0.8554	0.871678	1.582876	149.3882	7.317661
TS16_14_12_15	0.1765	0.0067	3.796034	0.75	0.034	4.533333	177	0.8554	0.869196	2.691418	147.1359	9.795422
TS16_14_13_15	0.1756	0.0065	3.701595	0.739	0.029	3.924222	177	0.8554	0.855545	2.298294	161.4826	9.64342
TS16_14_1_16	0.157	0.011	7.006369	0.686	0.028	4.081633	177	0.8554	0.78977	2.236279	209.3349	17.66176
TS16_14_2_16	0.201	0.014	6.965174	0.733	0.044	6.002729	177	0.8554	0.848098	3.489491	193.8784	19.37765
TS16_14_3_16	0.21	0.01	4.761905	0.763	0.043	5.635649	177	0.8554	0.885329	3.399778	153.3956	12.8735
TS16_14_4_16	0.163	0.026	15.95092	0.689	0.035	5.079826	177	0.8554	0.793493	2.79384	213.4181	36.57023
TS16_14_5_16	0.0785	0.0061	7.770701	0.514	0.051	9.922179	177	0.8554	0.576314	4.318925	210.9154	24.8631
TS16_14_6_16	0.11	0.02	18.18182	0.547	0.053	9.689214	177	0.8554	0.617268	4.415699	265.8401	54.62596
TS16_14_7_16	0.1607	0.0081	5.040448	0.652	0.026	3.98773	177	0.8554	0.747575	2.091275	256.332	17.10478
TS16_14_8_16	0.171	0.011	6.432749	0.686	0.033	4.810496	177	0.8554	0.78977	2.635614	227.6757	19.24451
TS16_14_9_16	0.149	0.014	9.395973	0.672	0.042	6.25	177	0.8554	0.772396	3.363467	214.9921	25.21356
TS16_14_10_16	0.155	0.014	9.032258	0.669	0.044	6.576981	177	0.8554	0.768673	3.525803	227.0934	26.43198
TS16_14_11_16	0.1719	0.0056	3.257708	0.727	0.024	3.301238	177	0.8554	0.840652	1.904766	174.2042	8.844977
TS16_14_12_16	0.1881	0.0077	4.093567	0.749	0.031	4.138852	177	0.8554	0.867955	2.454185	158.158	10.22534
TS16_14_13_16	0.198	0.016	8.080808	0.772	0.039	5.051813	177	0.8554	0.896498	3.081297	130.7729	13.41159
TS16_14_1_17	0.1301	0.0059	4.534973	0.696	0.018	2.586207	177	0.8554	0.80218	1.435096	163.808	8.897975
TS16_14_2_17	0.1284	0.0027	2.102804	0.686	0.015	2.186589	177	0.8554	0.78977	1.198006	171.7042	5.544909
TS16_14_3_17	0.145	0.014	9.655172	0.715	0.029	4.055944	177	0.8554	0.82576	2.305308	160.844	17.40255
TS16_14_4_17	0.162	0.011	6.790123	0.738	0.026	3.523035	177	0.8554	0.854304	2.060772	150.3857	12.0744
TS16_14_5_17	0.146	0.009	6.164384	0.689	0.024	3.483309	177	0.8554	0.793493	1.915776	191.4869	14.09143
TS16_14_6_17	0.133	0.01	7.518797	0.704	0.03	4.261364	177	0.8554	0.812109	2.388724	159.1131	14.33456
TS16_14_7_17	0.1097	0.0078	7.110301	0.641	0.024	3.74415	177	0.8554	0.733924	1.935598	185.4676	15.21526
TS16_14_8_17	0.1122	0.0089	7.932264	0.663	0.034	5.128205	177	0.8554	0.761227	2.727957	170.429	16.60538
TS16_14_9_17	0.14	0.021	15	0.683	0.033	4.831625	177	0.8554	0.786047	2.637071	190.2566	30.62915
TS16_14_10_17	0.1847	0.0068	3.681646	0.736	0.024	3.26087	177	0.8554	0.851822	1.902687	174.058	9.334888
TS16_14_11_17	0.36	0.18	50	0.761	0.034	4.467806	177	0.8554	0.882847	2.688659	266.3007	135.293
TS16_14_12_17	2.2	1.6	72.72727	0.809	0.036	4.449938	177	0.8554	0.942416	2.838309	768.9202	569.798

TS16_14_13_17	0.326	0.099	30.3681	0.771	0.021	2.723735	177	0.8554	0.895257	1.659286	216.4451	66.89584
TS16_14_1_18	0.143	0.01	6.993007	0.672	0.033	4.910714	177	0.8554	0.772396	2.642724	206.4719	18.36555
TS16_14_2_18	0.1673	0.0087	5.200239	0.682	0.028	4.105572	177	0.8554	0.784806	2.237934	228.0033	15.90404
TS16_14_3_18	0.1656	0.0061	3.683575	0.681	0.034	4.992658	177	0.8554	0.783565	2.718004	227.0057	15.15407
TS16_14_4_18	0.1718	0.0069	4.016298	0.699	0.033	4.72103	177	0.8554	0.805904	2.629701	211.4544	14.20946
TS16_14_5_18	0.1632	0.0068	4.166667	0.706	0.027	3.824363	177	0.8554	0.814591	2.149183	192.1678	11.66656
TS16_14_6_18	0.1507	0.0073	4.844061	0.696	0.028	4.022989	177	0.8554	0.80218	2.232371	189.3678	12.64776
TS16_14_7_18	0.1762	0.007	3.972758	0.698	0.022	3.151862	177	0.8554	0.804663	1.753422	218.1428	11.74677
TS16_14_8_18	0.195	0.011	5.641026	0.718	0.026	3.62117	177	0.8554	0.829483	2.065959	210.8619	14.97075
TS16_14_9_18	0.229	0.014	6.113537	0.727	0.027	3.713893	177	0.8554	0.840652	2.142862	231.0434	17.53892
TS16_14_10_18	0.254	0.019	7.480315	0.753	0.033	4.38247	177	0.8554	0.872919	2.611493	204.7934	18.95598
TS16_14_11_18	0.26	0.012	4.615385	0.728	0.018	2.472527	177	0.8554	0.841893	1.428394	259.6956	14.368
TS16_14_12_18	0.227	0.014	6.167401	0.752	0.037	4.920213	177	0.8554	0.871678	2.92832	185.0954	15.95102
TS16_14_13_18	0.1919	0.0096	5.002606	0.698	0.04	5.730659	177	0.8554	0.804663	3.188041	237.2266	19.55411
TS16_14_1_19	0.305	0.013	4.262295	0.794	0.029	3.652393	177	0.8554	0.923801	2.287993	148.1047	9.362204
TS16_14_2_19	0.312	0.012	3.846154	0.773	0.03	3.880983	177	0.8554	0.897739	2.370051	202.4618	12.54262
TS16_14_3_19	0.31	0.016	5.16129	0.788	0.022	2.791878	177	0.8554	0.916355	1.736303	165.0251	10.38997
TS16_14_4_19	0.31	0.014	4.516129	0.772	0.017	2.202073	177	0.8554	0.896498	1.343129	203.5874	10.85939
TS16_14_5_19	0.332	0.016	4.819277	0.764	0.022	2.879581	177	0.8554	0.88657	1.739274	238.304	14.41263
TS16_14_6_19	0.255	0.027	10.58824	0.755	0.029	3.84106	177	0.8554	0.875401	2.294513	201.6338	23.59288
TS16_14_7_19	0.23	0.014	6.086957	0.782	0.027	3.452685	177	0.8554	0.908909	2.13171	133.6635	10.02915
TS16_14_8_19	0.326	0.02	6.134969	0.808	0.028	3.465347	177	0.8554	0.941175	2.20766	122.4514	9.337349
TS16_14_9_19	0.314	0.026	8.280255	0.766	0.037	4.830287	177	0.8554	0.889052	2.924659	220.7542	22.72734
TS16_14_10_19	0.241	0.012	4.979253	0.714	0.021	2.941176	177	0.8554	0.824519	1.669599	267.0177	16.3239
TS16_14_11_19	0.227	0.017	7.488987	0.727	0.029	3.988996	177	0.8554	0.840652	2.301592	229.061	20.46528
TS16_14_12_19	0.284	0.021	7.394366	0.791	0.027	3.413401	177	0.8554	0.920078	2.13055	144.684	12.47524
TS16_14_13_19	0.329	0.014	4.255319	0.798	0.03	3.759398	177	0.8554	0.928765	2.366405	149.3368	9.608364
TS16_14_1_20	0.214	0.017	7.943925	0.748	0.024	3.208556	177	0.8554	0.866714	1.900207	181.2991	16.17188
TS16_14_2_20	0.173	0.006	3.468208	0.726	0.02	2.754821	177	0.8554	0.839411	1.587507	176.6507	8.415546
TS16_14_3_20	0.1673	0.006	3.586372	0.719	0.015	2.086231	177	0.8554	0.830724	1.191735	180.0243	7.8566
TS16_14_4_20	0.1606	0.0064	3.985056	0.7121	0.0094	1.320039	177	0.8554	0.822161	0.74755	181.5354	7.831736
TS16_14_5_20	0.1428	0.0051	3.571429	0.718	0.022	3.064067	177	0.8554	0.829483	1.748119	155.0884	7.840351
TS16_14_6_20	0.1421	0.0045	3.166784	0.696	0.024	3.448276	177	0.8554	0.80218	1.913461	178.7095	8.994912
TS16_14_7_20	0.1455	0.0041	2.817869	0.719	0.011	1.529903	177	0.8554	0.830724	0.873939	156.8492	5.262668
TS16_14_8_20	0.1505	0.0046	3.056478	0.7313	0.0095	1.299056	177	0.8554	0.845989	0.753567	147.7142	5.089999

TS16_14_9_20	0.1511	0.0031	2.051621	0.744	0.014	1.88172	177	0.8554	0.86175	1.108915	133.2759	4.06722
TS16_14_10_20	0.1527	0.0048	3.143418	0.743	0.022	2.960969	177	0.8554	0.860509	1.742767	135.8688	6.441618
TS16_14_11_20	0.1457	0.004	2.745367	0.729	0.021	2.880658	177	0.8554	0.843134	1.666251	145.6764	6.358357
TS16_14_12_20	0.146	0.004	2.739726	0.718	0.019	2.64624	177	0.8554	0.829483	1.509739	158.5214	6.539998
TS16_14_13_20	0.1333	0.0051	3.825956	0.716	0.017	2.374302	177	0.8554	0.827001	1.351196	146.9711	6.959603
TS16_14_1_21	0.333	0.03	9.009009	0.774	0.016	2.067183	177	0.8554	0.89898	1.263934	213.2865	20.25905
TS16_14_2_21	0.262	0.0077	2.938931	0.762	0.014	1.83727	177	0.8554	0.884088	1.106999	192.8567	7.199456
TS16_14_3_21	0.2346	0.0077	3.282182	0.773	0.021	2.716688	177	0.8554	0.897739	1.659036	152.8256	7.213788
TS16_14_4_21	0.247	0.018	7.287449	0.77	0.014	1.818182	177	0.8554	0.894016	1.106276	166.5829	12.83938
TS16_14_5_21	0.249	0.02	8.032129	0.769	0.014	1.820546	177	0.8554	0.892775	1.106362	169.8549	14.32335
TS16_14_6_21	0.2086	0.0055	2.636625	0.766	0.012	1.56658	177	0.8554	0.889052	0.948538	147.4936	4.844268
TS16_14_7_21	0.2139	0.0054	2.524544	0.74	0.018	2.432432	177	0.8554	0.856786	1.426368	194.5123	7.518262
TS16_14_8_21	0.2225	0.0047	2.11236	0.749	0.012	1.602136	177	0.8554	0.867955	0.950007	186.667	5.378773
TS16_14_9_21	0.2298	0.0066	2.872063	0.763	0.018	2.359109	177	0.8554	0.885329	1.423163	167.6721	6.865194
TS16_14_10_21	0.26	0.012	4.615385	0.773	0.024	3.104787	177	0.8554	0.897739	1.896041	169.1567	10.23004
TS16_14_11_21	0.2491	0.0093	3.73344	0.771	0.014	1.815824	177	0.8554	0.895257	1.106191	166.039	7.295106
TS16_14_12_21	0.2303	0.0045	1.953973	0.768	0.018	2.34375	177	0.8554	0.891534	1.422578	159.0508	5.555541
TS16_14_13_21	0.2228	0.0062	2.782765	0.746	0.015	2.010724	177	0.8554	0.864232	1.187873	192.1075	7.130967
TS16_14_1_22	0.623	0.062	9.951846	0.844	0.033	3.909953	177	0.8554	0.985852	2.599629	56.56985	6.376548
TS16_14_2_22	0.479	0.065	13.56994	0.783	0.029	3.703704	177	0.8554	0.91015	2.289467	271.6382	39.61242
TS16_14_3_22	0.308	0.029	9.415584	0.751	0.023	3.062583	177	0.8554	0.870437	1.820485	252.2468	25.91702
TS16_14_4_22	0.221	0.024	10.85973	0.756	0.024	3.174603	177	0.8554	0.876642	1.89873	173.39	20.18677
TS16_14_5_22	0.157	0.011	7.006369	0.729	0.029	3.978052	177	0.8554	0.843134	2.301014	156.8383	13.29463
TS16_14_6_22	0.1348	0.0036	2.670623	0.661	0.017	2.571861	177	0.8554	0.758745	1.364575	206.3085	8.000216
TS16_14_7_22	0.1202	0.0054	4.492512	0.652	0.024	3.680982	177	0.8554	0.747575	1.930407	192.6849	11.5757
TS16_14_8_22	0.1077	0.0055	5.106778	0.633	0.041	6.477093	177	0.8554	0.723996	3.313546	188.831	16.01221
TS16_14_9_22	0.1009	0.0068	6.739346	0.586	0.042	7.167235	177	0.8554	0.665668	3.44454	213.8767	20.92376
TS16_14_10_22	0.0912	0.0029	3.179825	0.62	0.03	4.83871	177	0.8554	0.707862	2.433367	169.5033	9.976986
TS16_14_11_22	0.0845	0.0037	4.378698	0.616	0.023	3.733766	177	0.8554	0.702898	1.867785	159.8397	9.30809
TS16_14_12_22	0.0777	0.0021	2.702703	0.583	0.026	4.459691	177	0.8554	0.661945	2.134657	167.1417	8.550246
TS16_14_13_22	0.0756	0.0016	2.116402	0.563	0.024	4.262877	177	0.8554	0.637124	1.985825	174.4649	7.953839
TS16_14_1_23	0.139	0.013	9.352518	0.728	0.03	4.120879	177	0.8554	0.841893	2.380657	140.1375	14.85097
TS16_14_2_23	0.1233	0.0033	2.676399	0.697	0.025	3.586801	177	0.8554	0.803421	1.992856	154.3855	7.497058
TS16_14_3_23	0.1205	0.0052	4.315353	0.695	0.03	4.316547	177	0.8554	0.800939	2.392229	152.8034	9.955173

TS16_14_4_23	0.1332	0.007	5.255255	0.735	0.039	5.306122	177	0.8554	0.85058	3.092227	127.0408	10.40416
TS16_14_5_23	0.1351	0.0057	4.219097	0.687	0.037	5.385735	177	0.8554	0.791011	2.954547	179.4884	13.20176
TS16_14_6_23	0.133	0.0071	5.338346	0.678	0.033	4.867257	177	0.8554	0.779842	2.63958	186.0468	14.15604
TS16_14_7_23	0.31	0.19	61.29032	0.748	0.035	4.679144	177	0.8554	0.866714	2.771135	261.0018	161.8681
TS16_14_8_23	0.31	0.19	61.29032	0.699	0.04	5.722461	177	0.8554	0.805904	3.187517	376.6587	234.6911
TS16_14_9_23	0.1131	0.0047	4.155615	0.651	0.028	4.301075	177	0.8554	0.746334	2.252673	182.3417	11.32572
TS16_14_10_23	0.1052	0.0041	3.897338	0.634	0.037	5.835962	177	0.8554	0.725237	2.989476	183.6919	13.28501
TS16_14_11_23	0.1008	0.0034	3.373016	0.632	0.031	4.905063	177	0.8554	0.722755	2.506036	177.6822	10.87456
TS16_14_12_23	0.0925	0.0035	3.783784	0.636	0.015	2.358491	177	0.8554	0.727719	1.21131	160.3485	7.290513
TS16_14_13_23	0.0875	0.0031	3.542857	0.612	0.017	2.777778	177	0.8554	0.697934	1.38221	168.1708	7.65208
TS16_14_1_24	0.0834	0.0039	4.676259	0.572	0.018	3.146853	177	0.8554	0.648293	1.484003	186.3683	10.46442
TS16_14_2_24	0.0864	0.0049	5.671296	0.574	0.025	4.355401	177	0.8554	0.650775	2.059515	191.631	13.6192
TS16_14_3_24	0.0874	0.0055	6.292906	0.591	0.018	3.045685	177	0.8554	0.671873	1.473618	182.271	12.83377
TS16_14_4_24	0.0775	0.0022	2.83871	0.567	0.011	1.940035	177	0.8554	0.642088	0.90869	176.3767	6.024265
TS16_14_5_24	0.0728	0.0036	4.945055	0.556	0.016	2.877698	177	0.8554	0.628437	1.32778	172.0575	9.780171
TS16_14_6_24	0.0764	0.0056	7.329843	0.561	0.017	3.030303	177	0.8554	0.634642	1.407791	177.4754	14.11353
TS16_14_7_24	0.075	0.011	14.66667	0.558	0.03	5.376344	177	0.8554	0.630919	2.487469	176.0186	27.57731
TS16_14_8_24	0.0635	0.0031	4.88189	0.561	0.023	4.099822	177	0.8554	0.634642	1.904659	147.8498	9.254354
TS16_14_9_24	0.0666	0.0041	6.156156	0.579	0.017	2.936097	177	0.8554	0.65698	1.397808	145.612	9.949459
TS16_14_10_24	0.0614	0.0021	3.420195	0.566	0.014	2.473498	177	0.8554	0.640847	1.156981	140.6115	5.867566
TS16_14_11_24	0.0625	0.0024	3.84	0.557	0.021	3.770197	177	0.8554	0.629678	1.741968	147.5026	7.731426
TS16_14_12_24	0.0628	0.0019	3.025478	0.533	0.019	3.564728	177	0.8554	0.599893	1.593405	159.9756	7.113724
TS16_14_13_24	0.0631	0.0018	2.852615	0.525	0.018	3.428571	177	0.8554	0.589965	1.515564	164.6682	6.938621
TS16_14_1_25	0.0862	0.0045	5.220418	0.619	0.022	3.55412	177	0.8554	0.706621	1.784991	160.9976	10.30204
TS16_14_2_25	0.0739	0.0025	3.38295	0.55	0.015	2.727273	177	0.8554	0.620991	1.248052	178.0739	7.586392
TS16_14_3_25	0.0724	0.0026	3.59116	0.522	0.019	3.639847	177	0.8554	0.586242	1.602225	190.2734	9.28765
TS16_14_4_25	0.0696	0.0033	4.741379	0.462	0.019	4.112554	177	0.8554	0.51178	1.661835	215.4103	12.67115
TS16_14_5_25	0.0607	0.0048	7.907743	0.448	0.012	2.678571	177	0.8554	0.494406	1.060441	194.8625	16.17708
TS16_14_6_25	0.0418	0.0054	12.91866	0.409	0.014	3.422983	177	0.8554	0.446006	1.278537	147.5771	19.62912
TS16_14_7_25	0.061	0.011	18.03279	0.457	0.021	4.595186	177	0.8554	0.505575	1.843374	191.549	35.6862
TS16_14_8_25	0.0823	0.0073	8.869988	0.5	0.013	2.6	177	0.8554	0.558939	1.109575	229.8533	21.36009
TS16_14_9_25	0.0592	0.0082	13.85135	0.514	0.021	4.085603	177	0.8554	0.576314	1.778381	159.6959	23.08152
TS16_14_10_25	0.086	0.015	17.44186	0.597	0.019	3.18258	177	0.8554	0.679319	1.55229	175.3756	31.41934
TS16_14_11_25	0.0913	0.0099	10.84337	0.603	0.013	2.155887	177	0.8554	0.686765	1.059989	181.7699	20.33686
TS16_14_12_25	0.0683	0.0049	7.174231	0.565	0.018	3.185841	177	0.8554	0.639606	1.488151	156.7564	12.31292

TS16_14_13_25	0.0632	0.0026	4.113924	0.55	0.011	2	177	0.8554	0.620991	0.915238	152.5931	6.94915
TS16_14_1_26	0.21	0.026	12.38095	0.763	0.018	2.359109	177	0.8554	0.885329	1.423163	153.3956	19.69086
TS16_14_2_26	0.129	0.013	10.07752	0.702	0.028	3.988604	177	0.8554	0.809627	2.230181	156.3994	17.4232
TS16_14_3_26	0.1235	0.0086	6.963563	0.723	0.043	5.947441	177	0.8554	0.835688	3.414472	129.5044	12.74599
TS16_14_4_26	0.095	0.013	13.68421	0.635	0.038	5.984252	177	0.8554	0.726478	3.069459	165.3682	25.07417
TS16_14_5_26	0.0678	0.0056	8.259587	0.547	0.047	8.592322	177	0.8554	0.617268	3.915808	165.1461	19.01208
TS16_14_6_26	0.0575	0.003	5.217391	0.482	0.025	5.186722	177	0.8554	0.536601	2.15736	169.519	11.61883
TS16_14_7_26	0.0557	0.0019	3.411131	0.468	0.023	4.91453	177	0.8554	0.519227	2.003285	170.3581	9.077308
TS16_14_8_26	0.0567	0.0019	3.35097	0.451	0.022	4.878049	177	0.8554	0.498129	1.939736	180.8782	9.396877
TS16_14_9_26	0.055	0.0022	4	0.465	0.02	4.301075	177	0.8554	0.515503	1.745611	169.5307	9.113843
TS16_14_10_26	0.0561	0.0021	3.743316	0.456	0.015	3.289474	177	0.8554	0.504334	1.317657	176.8075	8.200895
TS16_14_11_26	0.0551	0.0016	2.903811	0.46	0.022	4.782609	177	0.8554	0.509298	1.926976	171.9813	8.405099
TS16_14_12_26	0.0547	0.002	3.656307	0.465	0.022	4.731183	177	0.8554	0.515503	1.920172	168.618	9.052622
TS16_14_13_26	0.0566	0.0021	3.710247	0.456	0.022	4.824561	177	0.8554	0.504334	1.932564	178.3617	9.682271
TS16_14_1_27	0.0514	0.0017	3.307393	0.399	0.015	3.759398	177	0.8554	0.433596	1.382988	184.9956	8.086655
TS16_14_2_27	0.0501	0.001	1.996008	0.3773	0.0084	2.226345	177	0.8554	0.406665	0.792053	188.8335	4.881221
TS16_14_3_27	0.0525	0.0022	4.190476	0.395	0.018	4.556962	177	0.8554	0.428632	1.666158	190.5285	10.34467
TS16_14_4_27	0.0511	0.002	3.913894	0.373	0.021	5.630027	177	0.8554	0.401329	1.989563	194.2529	10.99765
TS16_14_5_27	0.0479	0.0016	3.340292	0.348	0.011	3.16092	177	0.8554	0.370303	1.073688	191.565	7.716567
TS16_14_6_27	0.04597	0.0008	1.740265	0.3529	0.0088	2.493624	177	0.8554	0.376384	0.853683	182.2039	4.503846
TS16_14_7_27	0.04716	0.00078	1.653944	0.3407	0.0067	1.966539	177	0.8554	0.361244	0.660191	191.3227	4.108434
TS16_14_8_27	0.04659	0.00078	1.674179	0.3429	0.0066	1.924759	177	0.8554	0.363974	0.648461	188.2475	4.044128
TS16_14_9_27	0.04684	0.00093	1.985482	0.3536	0.0082	2.319005	177	0.8554	0.377253	0.794789	185.3481	4.780801
TS16_14_10_27	0.04888	0.00066	1.350245	0.3476	0.0094	2.704258	177	0.8554	0.369807	0.917983	195.5772	4.52396
TS16_14_11_27	0.0495	0.0011	2.222222	0.3457	0.0085	2.458779	177	0.8554	0.367449	0.832113	198.7499	5.601429
TS16_14_12_27	0.0494	0.0013	2.631579	0.347	0.011	3.170029	177	0.8554	0.369062	1.075058	197.8562	6.824313
TS16_14_13_27	0.0493	0.0012	2.434077	0.358	0.013	3.631285	177	0.8554	0.382714	1.25328	193.2528	6.850711
TS16_14_1_28	0.177	0.019	10.73446	0.762	0.031	4.068241	177	0.8554	0.884088	2.451212	130.9187	15.58874
TS16_14_2_28	0.1382	0.0066	4.775687	0.714	0.033	4.621849	177	0.8554	0.824519	2.623656	154.4695	11.08271
TS16_14_3_28	0.1147	0.0077	6.713165	0.661	0.013	1.966717	177	0.8554	0.758745	1.043499	175.9616	12.52845
TS16_14_4_28	0.1101	0.0055	4.995459	0.65	0.02	3.076923	177	0.8554	0.745093	1.609434	178.4278	10.74259
TS16_14_5_28	0.116	0.005	4.310345	0.646	0.023	3.560372	177	0.8554	0.740129	1.852639	191.4558	11.03616
TS16_14_6_28	0.1204	0.0049	4.069767	0.661	0.025	3.782148	177	0.8554	0.758745	2.006728	184.582	10.69404
TS16_14_7_28	0.1146	0.0066	5.759162	0.658	0.028	4.255319	177	0.8554	0.755021	2.249037	178.4862	13.2117

TS16_14_8_28	0.128	0.01	7.8125	0.657	0.025	3.805175	177	0.8554	0.75378	2.008522	200.0301	17.82295
TS16_14_9_28	0.1338	0.0065	4.857997	0.688	0.024	3.488372	177	0.8554	0.792252	1.916118	176.7435	11.07792
TS16_14_10_28	0.1366	0.0091	6.661786	0.748	0.032	4.278075	177	0.8554	0.866714	2.533609	116.3135	9.816265
TS16_14_11_28	0.1473	0.0098	6.653089	0.677	0.026	3.840473	177	0.8554	0.778601	2.080074	206.8757	16.47508
TS16_14_12_28	0.135	0.012	8.888889	0.675	0.035	5.185185	177	0.8554	0.776119	2.801202	191.9497	20.4392
TS16_14_13_28	0.139	0.011	7.913669	0.698	0.038	5.444126	177	0.8554	0.804663	3.028639	172.6984	17.41979
TS16_14_1_29	0.27	0.06	22.22222	0.762	0.037	4.855643	177	0.8554	0.884088	2.92564	198.6556	46.19514
TS16_14_2_29	0.1393	0.0077	5.527638	0.717	0.023	3.20781	177	0.8554	0.828242	1.827833	152.42	10.21332
TS16_14_3_29	0.1268	0.0058	4.574132	0.702	0.018	2.564103	177	0.8554	0.809627	1.433688	153.7637	8.395361
TS16_14_4_29	0.1189	0.0052	4.373423	0.691	0.016	2.315485	177	0.8554	0.795975	1.276734	154.5139	7.914703
TS16_14_5_29	0.1203	0.0071	5.901912	0.681	0.026	3.817915	177	0.8554	0.783565	2.078474	165.6982	12.1053
TS16_14_6_29	0.1315	0.0053	4.030418	0.713	0.026	3.646564	177	0.8554	0.823278	2.067421	148.0937	8.644385
TS16_14_7_29	0.173	0.018	10.40462	0.745	0.027	3.624161	177	0.8554	0.862991	2.138396	151.0141	17.16572
TS16_14_8_29	0.217	0.015	6.912442	0.761	0.032	4.204993	177	0.8554	0.882847	2.530503	161.8334	14.02469
TS16_14_9_29	0.253	0.013	5.13834	0.786	0.034	4.3257	177	0.8554	0.913873	2.683699	138.96	10.429
TS16_14_10_29	0.277	0.01	3.610108	0.776	0.039	5.025773	177	0.8554	0.901463	3.080395	173.5956	12.55195
TS16_14_11_29	0.276	0.012	4.347826	0.754	0.028	3.713528	177	0.8554	0.87416	2.215601	220.0955	13.88447
TS16_14_12_29	0.273	0.013	4.761905	0.781	0.033	4.225352	177	0.8554	0.907668	2.605594	160.4788	11.4605
TS16_14_13_29	0.277	0.013	4.693141	0.783	0.03	3.831418	177	0.8554	0.91015	2.368414	158.4777	10.6895
TS16_14_1_30	0.1555	0.0092	5.916399	0.748	0.034	4.545455	177	0.8554	0.866714	2.691959	132.2426	10.67902
TS16_14_2_30	0.192	0.012	6.25	0.719	0.031	4.311544	177	0.8554	0.830724	2.46292	206.1821	16.65122
TS16_14_3_30	0.165	0.019	11.51515	0.662	0.031	4.682779	177	0.8554	0.759986	2.487797	250.3678	31.94505
TS16_14_4_30	0.1282	0.0083	6.474259	0.652	0.023	3.527607	177	0.8554	0.747575	1.849974	205.3071	15.53724
TS16_14_5_30	0.134	0.013	9.701493	0.694	0.023	3.314121	177	0.8554	0.799698	1.834354	170.7431	17.92116
TS16_14_6_30	0.172	0.015	8.72093	0.735	0.016	2.176871	177	0.8554	0.85058	1.268606	163.5807	15.02982
TS16_14_7_30	0.1579	0.0076	4.813173	0.727	0.023	3.163686	177	0.8554	0.840652	1.825401	160.1913	9.791133
TS16_14_8_30	0.1541	0.0075	4.86697	0.736	0.024	3.26087	177	0.8554	0.851822	1.902687	145.544	9.08764
TS16_14_9_30	0.148	0.0091	6.148649	0.725	0.024	3.310345	177	0.8554	0.83817	1.905254	152.5769	11.15888
TS16_14_10_30	0.1819	0.0088	4.837823	0.714	0.029	4.061625	177	0.8554	0.824519	2.305637	202.5538	13.73784
TS16_14_11_30	0.1902	0.0096	5.047319	0.727	0.038	5.22696	177	0.8554	0.840652	3.015879	192.4753	15.34807
TS16_14_12_30	0.1927	0.0097	5.033731	0.753	0.027	3.585657	177	0.8554	0.872919	2.136676	155.9612	10.41533
TS16_14_13_30	0.1908	0.0092	4.821803	0.716	0.032	4.469274	177	0.8554	0.827001	2.543428	209.3482	14.89682
TS16_14_1_31	0.507	0.037	7.29783	0.81	0.032	3.950617	177	0.8554	0.943657	2.522844	181.5652	16.3173
TS16_14_2_31	0.651	0.05	7.680492	0.811	0.029	3.575832	177	0.8554	0.944898	2.286241	227.1892	20.63642

TS16_14_3_31	0.621	0.058	9.339775	0.812	0.027	3.325123	177	0.8554	0.946139	2.128491	212.0883	22.09327
TS16_14_4_31	0.489	0.047	9.611452	0.807	0.033	4.089219	177	0.8554	0.939934	2.601991	186.6173	20.66193
TS16_14_5_31	0.42	0.015	3.571429	0.813	0.035	4.305043	177	0.8554	0.94738	2.759056	140.9155	9.357596
TS16_14_6_31	0.428	0.025	5.841121	0.823	0.026	3.159174	177	0.8554	0.959791	2.048951	109.9961	7.910962
TS16_14_7_31	0.401	0.016	3.990025	0.816	0.03	3.676471	177	0.8554	0.951104	2.364664	125.1746	7.816298
TS16_14_8_31	0.418	0.014	3.349282	0.809	0.036	4.449938	177	0.8554	0.942416	2.838309	153.3269	10.21886
TS16_14_9_31	0.412	0.018	4.368932	0.772	0.025	3.238342	177	0.8554	0.896498	1.97519	269.1926	16.17108
TS16_14_10_31	0.353	0.024	6.798867	0.764	0.023	3.010471	177	0.8554	0.88657	1.818332	253.0853	19.87129
TS16_14_11_31	0.353	0.029	8.215297	0.792	0.032	4.040404	177	0.8554	0.921319	2.524956	176.604	17.24275
TS16_14_12_31	0.336	0.019	5.654762	0.787	0.032	4.066074	177	0.8554	0.915114	2.525682	181.2898	13.92616
TS16_14_13_31	0.344	0.016	4.651163	0.807	0.026	3.221809	177	0.8554	0.939934	2.050053	131.8421	8.253538
TS16_14_1_32	0.078	0.0027	3.461538	0.546	0.023	4.212454	177	0.8554	0.616027	1.917113	190.2349	9.965519
TS16_14_2_32	0.0797	0.0025	3.136763	0.57	0.019	3.333333	177	0.8554	0.645811	1.567679	179.4537	8.065645
TS16_14_3_32	0.0843	0.0021	2.491103	0.588	0.018	3.061224	177	0.8554	0.66815	1.475176	177.8619	6.959771
TS16_14_4_32	0.091	0.0022	2.417582	0.605	0.025	4.132231	177	0.8554	0.689247	2.037127	179.7651	8.630512
TS16_14_5_32	0.0973	0.0032	3.288798	0.631	0.016	2.535658	177	0.8554	0.721514	1.293788	172.3519	7.305556
TS16_14_6_32	0.1041	0.0038	3.650336	0.657	0.021	3.196347	177	0.8554	0.75378	1.687159	163.1489	8.208425
TS16_14_7_32	0.1189	0.0048	4.037006	0.661	0.018	2.723147	177	0.8554	0.758745	1.444844	182.3146	9.173952
TS16_14_8_32	0.1327	0.004	3.014318	0.672	0.018	2.678571	177	0.8554	0.772396	1.441486	191.8191	8.115982
TS16_14_9_32	0.1432	0.0041	2.863128	0.687	0.016	2.328967	177	0.8554	0.791011	1.277642	190.0926	7.399319
TS16_14_10_32	0.147	0.0038	2.585034	0.703	0.021	2.987198	177	0.8554	0.810868	1.67237	176.7799	7.571898
TS16_14_11_32	0.1538	0.0045	2.925878	0.728	0.019	2.60989	177	0.8554	0.841893	1.507749	154.8807	6.58301
TS16_14_12_32	0.1674	0.0052	3.106332	0.703	0.02	2.84495	177	0.8554	0.810868	1.592733	200.934	9.074609
TS16_14_13_32	0.1758	0.0059	3.356086	0.676	0.021	3.106509	177	0.8554	0.77736	1.680389	247.5008	11.97261
TS16_14_1_33	0.83	0.11	13.25301	0.857	0.022	2.567095	177	0.8554	1.001986	1.733	-10.633	-1.45555
TS16_14_2_33	0.76	0.15	19.73684	0.845	0.025	2.95858	177	0.8554	0.987093	1.969399	62.92521	12.71381
TS16_14_3_33	0.5	0.042	8.4	0.837	0.036	4.301075	177	0.8554	0.977165	2.836194	73.18454	7.455847
TS16_14_4_33	0.411	0.046	11.19221	0.8	0.034	4.25	177	0.8554	0.931247	2.681666	179.6328	22.56806
TS16_14_5_33	0.363	0.031	8.539945	0.78	0.011	1.410256	177	0.8554	0.906427	0.868589	215.3295	19.05437
TS16_14_6_33	0.481	0.034	7.068607	0.792	0.023	2.90404	177	0.8554	0.921319	1.814812	239.465	19.3567
TS16_14_7_33	0.566	0.045	7.95053	0.813	0.036	4.428044	177	0.8554	0.94738	2.837886	189.1877	18.7276
TS16_14_8_33	0.585	0.043	7.350427	0.816	0.03	3.676471	177	0.8554	0.951104	2.364664	181.8078	16.0969
TS16_14_9_33	0.569	0.028	4.920914	0.83	0.038	4.578313	177	0.8554	0.968478	2.994128	114.5985	8.955479
TS16_14_10_33	0.588	0.034	5.782313	0.816	0.03	3.676471	177	0.8554	0.951104	2.364664	182.7271	13.83026
TS16_14_11_33	0.521	0.036	6.909789	0.834	0.028	3.357314	177	0.8554	0.973442	2.206034	88.5856	7.308466

TS16_14_12_33	0.505	0.033	6.534653	0.872	0.026	2.981651	177	0.8554	1.020601	2.048302	-67.4167	-5.17455
TS16_14_13_33	0.56	0.026	4.642857	0.837	0.029	3.464755	177	0.8554	0.977165	2.284711	81.91111	5.367722
TS16_14_1_34	0.0905	0.0042	4.640884	0.573	0.026	4.537522	177	0.8554	0.649534	2.142725	201.2864	12.90268
TS16_14_2_34	0.0924	0.0035	3.787879	0.593	0.023	3.878583	177	0.8554	0.674355	1.88165	191.1091	10.34876
TS16_14_3_34	0.0933	0.0025	2.679528	0.596	0.026	4.362416	177	0.8554	0.678078	2.124903	190.7694	9.720176
TS16_14_4_34	0.0937	0.0029	3.094984	0.612	0.022	3.594771	177	0.8554	0.697934	1.788742	179.9221	8.62527
TS16_14_5_34	0.1055	0.0038	3.601896	0.61	0.023	3.770492	177	0.8554	0.695452	1.871203	203.8641	10.74927
TS16_14_6_34	0.1089	0.0044	4.040404	0.619	0.015	2.423263	177	0.8554	0.706621	1.217039	202.7344	9.707525
TS16_14_7_34	0.1065	0.0046	4.319249	0.625	0.017	2.72	177	0.8554	0.714068	1.376933	193.3753	10.04782
TS16_14_8_34	0.0959	0.0026	2.711157	0.645	0.024	3.72093	177	0.8554	0.738888	1.933663	159.4343	7.619444
TS16_14_9_34	0.1134	0.0069	6.084656	0.672	0.031	4.613095	177	0.8554	0.772396	2.482559	164.273	13.05352
TS16_14_10_34	0.1199	0.0066	5.504587	0.683	0.022	3.221083	177	0.8554	0.786047	1.758048	163.284	10.79244
TS16_14_11_34	0.1167	0.0068	5.826907	0.667	0.023	3.448276	177	0.8554	0.766191	1.843805	173.537	12.1178
TS16_14_12_34	0.1095	0.0032	2.922374	0.639	0.022	3.442879	177	0.8554	0.731442	1.775205	186.8365	8.711396
TS16_14_13_34	0.1116	0.0039	3.494624	0.638	0.023	3.605016	177	0.8554	0.730201	1.856374	191.234	9.888955
TS16_14_1_35	0.161	0.0044	2.732919	0.71	0.022	3.098592	177	0.8554	0.819555	1.750126	184.6103	8.311312
TS16_14_2_35	0.1521	0.0037	2.43261	0.695	0.016	2.302158	177	0.8554	0.800939	1.275856	192.2824	6.877268
TS16_14_3_35	0.1437	0.0048	3.340292	0.702	0.017	2.421652	177	0.8554	0.809627	1.354038	173.9832	7.578946
TS16_14_4_35	0.1358	0.0049	3.608247	0.709	0.019	2.679831	177	0.8554	0.818314	1.511699	157.1218	7.483012
TS16_14_5_35	0.1297	0.0039	3.006939	0.703	0.022	3.129445	177	0.8554	0.810868	1.752007	156.2251	7.297425
TS16_14_6_35	0.1429	0.0066	4.618614	0.719	0.022	3.059805	177	0.8554	0.830724	1.747878	154.0796	9.026102
TS16_14_7_35	0.1564	0.0085	5.434783	0.718	0.024	3.342618	177	0.8554	0.829483	1.907039	169.666	11.40457
TS16_14_8_35	0.1415	0.0055	3.886926	0.702	0.02	2.849003	177	0.8554	0.809627	1.592986	171.3547	8.721512
TS16_14_9_35	0.1473	0.0059	4.005431	0.709	0.02	2.820874	177	0.8554	0.818314	1.591262	170.2532	8.8199
TS16_14_10_35	0.66	0.51	77.27273	0.755	0.039	5.165563	177	0.8554	0.875401	3.085724	509.4515	398.3779
TS16_14_11_35	0.63	0.48	76.19048	0.756	0.036	4.761905	177	0.8554	0.876642	2.848095	482.4725	371.8361
TS16_14_12_35	0.1718	0.0053	3.084983	0.719	0.016	2.225313	177	0.8554	0.830724	1.271184	184.7978	7.490019
TS16_14_13_35	0.1766	0.0047	2.661382	0.733	0.013	1.773533	177	0.8554	0.848098	1.030986	170.6515	5.819421
TS16_14_1_36	0.1178	0.006	5.093379	0.682	0.029	4.252199	177	0.8554	0.784806	2.31786	161.3786	11.24481
TS16_14_2_36	0.1017	0.0091	8.947886	0.632	0.019	3.006329	177	0.8554	0.722755	1.535958	179.2467	17.17273
TS16_14_3_36	0.0779	0.0035	4.49294	0.612	0.021	3.431373	177	0.8554	0.697934	1.707436	149.9329	8.554783
TS16_14_4_36	0.066	0.0024	3.636364	0.535	0.029	5.420561	177	0.8554	0.602375	2.429684	166.993	10.25958
TS16_14_5_36	0.0576	0.0017	2.951389	0.473	0.019	4.016913	177	0.8554	0.525432	1.649281	173.8482	7.794844
TS16_14_6_36	0.0504	0.0022	4.365079	0.419	0.023	5.48926	177	0.8554	0.458416	2.081503	173.6015	10.60512
TS16_14_7_36	0.0446	0.0014	3.139013	0.369	0.011	2.98103	177	0.8554	0.396365	1.046868	171.2561	6.54513

TS16_14_8_36	0.0433	0.0011	2.540416	0.366	0.01	2.73224	177	0.8554	0.392642	0.954985	167.3408	5.386004
TS16_14_9_36	0.0442	0.0013	2.941176	0.369	0.011	2.98103	177	0.8554	0.396365	1.046868	169.7402	6.20653
TS16_14_10_36	0.0427	0.0012	2.810304	0.35	0.011	3.142857	177	0.8554	0.372785	1.070976	170.3768	6.097676
TS16_14_11_36	0.0441	0.0011	2.494331	0.37	0.011	2.972973	177	0.8554	0.397606	1.045678	169.0175	5.57198
TS16_14_12_36	0.0459	0.0011	2.396514	0.374	0.01	2.673797	177	0.8554	0.40257	0.946356	174.3934	5.396042
TS16_14_13_36	0.0481	0.0012	2.494802	0.381	0.012	3.149606	177	0.8554	0.411257	1.126981	180.0159	6.134874
TS16_14_1_37	0.326	0.013	3.98773	0.772	0.017	2.202073	177	0.8554	0.896498	1.343129	213.9227	10.44974
TS16_14_2_37	0.312	0.014	4.487179	0.78	0.023	2.948718	177	0.8554	0.906427	1.816141	185.5074	10.85589
TS16_14_3_37	0.343	0.016	4.664723	0.776	0.027	3.479381	177	0.8554	0.901463	2.132581	214.2771	13.75673
TS16_14_4_37	0.346	0.014	4.046243	0.785	0.029	3.694268	177	0.8554	0.912632	2.289178	191.9839	11.89586
TS16_14_5_37	0.317	0.013	4.100946	0.795	0.026	3.27044	177	0.8554	0.925042	2.051196	151.386	8.879159
TS16_14_6_37	0.311	0.012	3.858521	0.768	0.022	2.864583	177	0.8554	0.891534	1.738706	213.8685	11.28538
TS16_14_7_37	0.317	0.012	3.785489	0.809	0.023	2.843016	177	0.8554	0.942416	1.813364	116.6118	6.165968
TS16_14_8_37	0.323	0.01	3.095975	0.774	0.027	3.488372	177	0.8554	0.89898	2.132889	206.9832	11.0773
TS16_14_9_37	0.331	0.014	4.229607	0.772	0.032	4.145078	177	0.8554	0.896498	2.528244	217.149	14.54241
TS16_14_10_37	0.317	0.012	3.785489	0.752	0.025	3.324468	177	0.8554	0.871678	1.978595	257.0348	14.34427
TS16_14_11_37	0.305	0.014	4.590164	0.762	0.023	3.018373	177	0.8554	0.884088	1.818641	223.9648	13.33337
TS16_14_12_37	0.307	0.011	3.583062	0.772	0.025	3.238342	177	0.8554	0.896498	1.97519	201.6477	10.91515
TS16_14_13_37	0.287	0.02	6.968641	0.768	0.027	3.515625	177	0.8554	0.891534	2.133866	197.6145	16.37756
TS16_14_1_38	0.354	0.015	4.237288	0.804	0.021	2.61194	177	0.8554	0.936211	1.656022	143.9486	7.824073
TS16_14_2_38	0.341	0.015	4.398827	0.775	0.026	3.354839	177	0.8554	0.900222	2.053744	215.6869	13.18701
TS16_14_3_38	0.323	0.0098	3.034056	0.753	0.02	2.656042	177	0.8554	0.872919	1.582723	259.3206	11.59178
TS16_14_4_38	0.3124	0.0087	2.784891	0.76	0.027	3.552632	177	0.8554	0.881606	2.135299	234.1252	12.14459
TS16_14_5_38	0.3055	0.0064	2.094926	0.774	0.028	3.617571	177	0.8554	0.89898	2.211885	195.9376	9.730524
TS16_14_6_38	0.287	0.012	4.181185	0.815	0.03	3.680982	177	0.8554	0.949863	2.364742	92.09929	5.853035
TS16_14_7_38	0.299	0.011	3.67893	0.777	0.032	4.118404	177	0.8554	0.902704	2.527325	184.8606	11.71362
TS16_14_8_38	0.305	0.011	3.606557	0.765	0.029	3.79085	177	0.8554	0.887811	2.292489	216.8907	12.85466
TS16_14_9_38	0.311	0.011	3.536977	0.792	0.023	2.90404	177	0.8554	0.921319	1.814812	155.8435	7.989398
TS16_14_10_38	0.307	0.012	3.908795	0.795	0.02	2.515723	177	0.8554	0.925042	1.577843	146.6644	7.448051
TS16_14_11_38	0.317	0.011	3.470032	0.779	0.015	1.925546	177	0.8554	0.905186	1.18452	190.8998	8.135657
TS16_14_12_38	0.3212	0.0088	2.739726	0.769	0.02	2.60078	177	0.8554	0.892775	1.580517	218.2804	9.28053
TS16_14_13_38	0.268	0.023	8.58209	0.784	0.02	2.55102	177	0.8554	0.911391	1.578842	151.2954	13.98377
TS16_14_1_39	0.244	0.024	9.836066	0.793	0.039	4.918033	177	0.8554	0.92256	3.077122	120.6708	14.11748
TS16_14_2_39	0.185	0.012	6.486486	0.732	0.04	5.464481	177	0.8554	0.846857	3.172646	180.0965	16.55108

TS16_14_3_39	0.1525	0.0068	4.459016	0.719	0.034	4.72879	177	0.8554	0.830724	2.701267	164.2998	11.64662
TS16_14_4_39	0.14	0.0043	3.071429	0.697	0.03	4.304161	177	0.8554	0.803421	2.391427	175.0143	10.07644
TS16_14_5_39	0.1239	0.0051	4.116223	0.684	0.023	3.362573	177	0.8554	0.787288	1.837618	167.695	9.368365
TS16_14_6_39	0.1129	0.005	4.428698	0.659	0.025	3.793627	177	0.8554	0.756263	2.007618	174.9953	10.59565
TS16_14_7_39	0.1069	0.004	3.741815	0.635	0.023	3.622047	177	0.8554	0.726478	1.85783	185.7869	9.931922
TS16_14_8_39	0.1103	0.003	2.719855	0.643	0.027	4.199067	177	0.8554	0.736406	2.176452	184.7527	9.612968
TS16_14_9_39	0.1175	0.0048	4.085106	0.684	0.028	4.093567	177	0.8554	0.787288	2.2371	159.1388	9.754184
TS16_14_10_39	0.1338	0.0069	5.156951	0.697	0.027	3.873745	177	0.8554	0.803421	2.152284	167.3634	11.37963
TS16_14_11_39	0.1589	0.0073	4.594084	0.694	0.031	4.466859	177	0.8554	0.799698	2.47239	201.9785	13.83361
TS16_14_12_39	0.1697	0.0055	3.241014	0.732	0.025	3.415301	177	0.8554	0.846857	1.982904	165.3914	8.574745
TS16_14_13_39	0.185	0.01	5.405405	0.733	0.021	2.864939	177	0.8554	0.848098	1.665439	178.6571	11.49181
TS16_14_1_40	0.269	0.014	5.204461	0.768	0.024	3.125	177	0.8554	0.891534	1.89677	185.397	12.1021
TS16_14_2_40	0.245	0.011	4.489796	0.779	0.026	3.337612	177	0.8554	0.905186	2.053168	148.0343	9.104823
TS16_14_3_40	0.2387	0.0082	3.435274	0.783	0.02	2.554278	177	0.8554	0.91015	1.578943	136.7962	6.448155
TS16_14_4_40	0.2403	0.0086	3.57886	0.742	0.021	2.830189	177	0.8554	0.859268	1.66373	214.3995	10.64453
TS16_14_5_40	0.245	0.013	5.306122	0.729	0.019	2.60631	177	0.8554	0.843134	1.507561	243.107	15.10228
TS16_14_6_40	0.247	0.014	5.668016	0.751	0.021	2.796272	177	0.8554	0.870437	1.662182	203.0665	13.54162
TS16_14_7_40	0.2237	0.0089	3.978543	0.73	0.023	3.150685	177	0.8554	0.844375	1.824716	220.6025	12.10467
TS16_14_8_40	0.2162	0.0072	3.33025	0.739	0.027	3.653586	177	0.8554	0.855545	2.139791	198.2497	10.90822
TS16_14_9_40	0.2182	0.0075	3.437214	0.768	0.023	2.994792	177	0.8554	0.891534	1.817738	150.7912	7.628663
TS16_14_10_40	0.2115	0.0092	4.349882	0.747	0.024	3.212851	177	0.8554	0.865473	1.900401	180.8558	10.5863
TS16_14_11_40	0.212	0.011	5.188679	0.733	0.03	4.092769	177	0.8554	0.848098	2.379199	204.3222	14.59859
TS16_14_12_40	0.2002	0.0089	4.445554	0.768	0.03	3.90625	177	0.8554	0.891534	2.370963	138.4846	9.092337
TS16_14_13_40	0.2031	0.0075	3.692762	0.748	0.033	4.411765	177	0.8554	0.866714	2.612784	172.187	11.15649
TS16_14_1_41	0.73	0.16	21.91781	0.804	0.029	3.606965	177	0.8554	0.936211	2.286888	293.4028	66.8627
TS16_14_2_41	0.311	0.042	13.50482	0.801	0.033	4.11985	177	0.8554	0.932488	2.602672	133.9487	19.55988
TS16_14_3_41	0.21	0.012	5.714286	0.802	0.031	3.865337	177	0.8554	0.933729	2.444822	89.09534	6.743627
TS16_14_4_41	0.1864	0.0065	3.487124	0.776	0.027	3.479381	177	0.8554	0.901463	2.132581	117.3295	6.51984
TS16_14_5_41	0.1699	0.0064	3.766922	0.737	0.023	3.12076	177	0.8554	0.853063	1.823199	158.9566	8.4317
TS16_14_6_41	0.1579	0.0063	3.989867	0.741	0.023	3.103914	177	0.8554	0.858027	1.82238	142.9171	7.804775
TS16_14_7_41	0.1534	0.005	3.259452	0.749	0.021	2.803738	177	0.8554	0.867955	1.662513	129.2719	6.076999
TS16_14_8_41	0.1603	0.0048	2.994386	0.722	0.015	2.077562	177	0.8554	0.834447	1.191253	168.8451	6.54302
TS16_14_9_41	0.1428	0.0085	5.952381	0.677	0.039	5.760709	177	0.8554	0.778601	3.120111	200.653	17.55226
TS16_14_10_41	0.1179	0.0035	2.968617	0.625	0.019	3.04	177	0.8554	0.714068	1.538925	213.7351	9.286243
TS16_14_11_41	0.143	0.01	6.993007	0.655	0.024	3.664122	177	0.8554	0.751298	1.929062	225.2798	18.28453

TS16_14_12_41	0.142	0.01	7.042254	0.678	0.019	2.80236	177	0.8554	0.779842	1.519758	198.4446	15.4393
TS16_14_13_41	0.183	0.021	11.47541	0.711	0.032	4.500703	177	0.8554	0.820796	2.545261	208.0135	26.48505
TS16_14_1_42	0.2205	0.0087	3.945578	0.776	0.025	3.221649	177	0.8554	0.901463	1.974612	138.5646	7.81432
TS16_14_2_42	0.307	0.037	12.05212	0.773	0.026	3.363519	177	0.8554	0.897739	2.054044	199.2669	25.71755
TS16_14_3_42	0.246	0.049	19.9187	0.751	0.043	5.725699	177	0.8554	0.870437	3.403515	202.2571	43.10503
TS16_14_4_42	0.12	0.013	10.83333	0.585	0.042	7.179487	177	0.8554	0.664427	3.445783	254.499	33.24432
TS16_14_5_42	0.122	0.016	13.11475	0.582	0.049	8.419244	177	0.8554	0.660704	4.024486	261.4689	40.93105
TS16_14_6_42	0.154	0.012	7.792208	0.682	0.038	5.571848	177	0.8554	0.784806	3.037196	210.1697	21.07274
TS16_14_7_42	0.129	0.013	10.07752	0.572	0.025	4.370629	177	0.8554	0.648293	2.061115	286.0342	31.76636
TS16_14_8_42	0.129	0.01	7.751938	0.634	0.031	4.88959	177	0.8554	0.725237	2.504696	224.5334	21.05438
TS16_14_9_42	0.15	0.014	9.333333	0.705	0.026	3.687943	177	0.8554	0.81335	2.069904	178.0034	18.40155
TS16_14_10_42	0.1499	0.0065	4.336224	0.725	0.02	2.758621	177	0.8554	0.83817	1.587712	154.5123	8.399244
TS16_14_11_42	0.1511	0.0083	5.493051	0.699	0.023	3.290415	177	0.8554	0.805904	1.832822	186.3409	12.47314
TS16_14_12_42	0.1707	0.008	4.686585	0.692	0.026	3.757225	177	0.8554	0.797216	2.074331	219.3685	13.95153
TS16_14_13_42	0.1793	0.0095	5.298383	0.718	0.039	5.431755	177	0.8554	0.829483	3.098938	194.1378	16.05063
TS16_14_1_43	0.118	0.013	11.01695	0.648	0.041	6.32716	177	0.8554	0.742611	3.300923	192.8753	25.09749
TS16_14_2_43	0.091	0.0043	4.725275	0.59	0.025	4.237288	177	0.8554	0.670632	2.047408	190.3763	12.06978
TS16_14_3_43	0.0884	0.0032	3.61991	0.571	0.024	4.203152	177	0.8554	0.647052	1.979446	198.0579	10.78046
TS16_14_4_43	0.0858	0.0018	2.097902	0.565	0.022	3.893805	177	0.8554	0.639606	1.818851	196.3149	8.365221
TS16_14_5_43	0.09	0.0033	3.666667	0.593	0.024	4.047218	177	0.8554	0.674355	1.963461	186.2163	10.14263
TS16_14_6_43	0.1052	0.0067	6.368821	0.643	0.021	3.265941	177	0.8554	0.736406	1.692796	176.326	12.88065
TS16_14_7_43	0.1193	0.0041	3.436714	0.652	0.027	4.141104	177	0.8554	0.747575	2.171708	191.2634	10.74311
TS16_14_8_43	0.1169	0.0039	3.336185	0.636	0.032	5.031447	177	0.8554	0.727719	2.584128	201.9893	12.60975
TS16_14_9_43	0.1136	0.004	3.521127	0.654	0.023	3.51682	177	0.8554	0.750057	1.849111	180.4858	9.339764
TS16_14_10_43	0.1279	0.0067	5.238468	0.675	0.025	3.703704	177	0.8554	0.776119	2.000859	181.9957	12.15676
TS16_14_11_43	0.1236	0.0076	6.148867	0.665	0.022	3.308271	177	0.8554	0.763709	1.764388	185.5745	13.33368
TS16_14_12_43	0.1175	0.0073	6.212766	0.653	0.024	3.675345	177	0.8554	0.748816	1.929956	187.5064	13.90098
TS16_14_13_43	0.1138	0.0045	3.954306	0.658	0.024	3.647416	177	0.8554	0.755021	1.927746	177.2572	9.917767
TS16_14_1_44	0.517	0.04	7.736944	0.834	0.026	3.117506	177	0.8554	0.973442	2.04846	87.9101	7.744342
TS16_14_2_44	0.496	0.032	6.451613	0.848	0.022	2.59434	177	0.8554	0.990816	1.733035	29.29714	2.150166
TS16_14_3_44	0.466	0.036	7.725322	0.816	0.028	3.431373	177	0.8554	0.951104	2.20702	145.2378	13.05588
TS16_14_4_44	0.516	0.028	5.426357	0.788	0.019	2.411168	177	0.8554	0.916355	1.499534	272.396	17.22735
TS16_14_5_44	0.514	0.023	4.474708	0.813	0.019	2.337023	177	0.8554	0.94738	1.497773	172.0363	9.38174
TS16_14_6_44	0.473	0.021	4.439746	0.821	0.019	2.314251	177	0.8554	0.957309	1.497392	128.8755	6.967454
TS16_14_7_44	0.483	0.022	4.554865	0.815	0.035	4.294479	177	0.8554	0.949863	2.758866	154.2486	11.15972

TS16_14_8_44	0.371	0.029	7.816712	0.833	0.036	4.321729	177	0.8554	0.972201	2.836379	66.14409	6.41803
TS16_14_9_44	0.317	0.02	6.309148	0.831	0.033	3.971119	177	0.8554	0.969719	2.600112	61.58459	5.057326
TS16_14_10_44	0.264	0.024	9.090909	0.804	0.03	3.731343	177	0.8554	0.936211	2.365746	107.6551	11.11608
TS16_14_11_44	0.169	0.021	12.42604	0.734	0.037	5.040872	177	0.8554	0.849339	2.933996	162.0814	22.51606
TS16_14_12_44	0.1454	0.0086	5.914718	0.718	0.027	3.760446	177	0.8554	0.829483	2.145419	157.8779	11.66831
TS16_14_13_44	0.166	0.01	6.024096	0.746	0.026	3.485255	177	0.8554	0.864232	2.058981	143.6732	10.59294
TS16_14_1_45	0.19	0.011	5.789474	0.738	0.025	3.387534	177	0.8554	0.854304	1.981512	176.0264	12.50794
TS16_14_2_45	0.278	0.025	8.992806	0.765	0.023	3.006536	177	0.8554	0.887811	1.818181	197.9822	19.47316
TS16_14_3_45	0.338	0.016	4.733728	0.777	0.024	3.088803	177	0.8554	0.902704	1.895494	208.5867	12.8441
TS16_14_4_45	0.346	0.021	6.069364	0.785	0.027	3.43949	177	0.8554	0.912632	2.131304	191.9839	14.43678
TS16_14_5_45	0.346	0.018	5.202312	0.788	0.032	4.060914	177	0.8554	0.916355	2.525532	183.9183	13.51384
TS16_14_6_45	0.344	0.011	3.197674	0.791	0.024	3.034134	177	0.8554	0.920078	1.893822	174.8399	8.779348
TS16_14_7_45	0.368	0.017	4.619565	0.778	0.016	2.056555	177	0.8554	0.903945	1.263574	223.9354	11.98766
TS16_14_8_45	0.335	0.022	6.567164	0.786	0.017	2.16285	177	0.8554	0.913873	1.34185	183.3632	13.18172
TS16_14_9_45	0.2728	0.0095	3.482405	0.784	0.028	3.571429	177	0.8554	0.911391	2.210379	153.9731	8.76339
TS16_14_10_45	0.292	0.01	3.424658	0.769	0.023	2.990897	177	0.8554	0.892775	1.817594	198.7394	10.07232
TS16_14_11_45	0.304	0.012	3.947368	0.783	0.026	3.320562	177	0.8554	0.91015	2.052625	173.7186	10.02027
TS16_14_12_45	0.277	0.014	5.054152	0.768	0.024	3.125	177	0.8554	0.891534	1.89677	190.8299	12.22805
TS16_14_13_45	0.239	0.012	5.020921	0.734	0.023	3.133515	177	0.8554	0.849339	1.823836	228.0402	14.38953
TS16_14_1_46	1.01	0.14	13.86139	0.851	0.019	2.232667	177	0.8554	0.994539	1.496691	35.45506	5.039734
TS16_14_2_46	0.591	0.082	13.87479	0.829	0.022	2.6538	177	0.8554	0.967237	1.733479	123.6287	17.82657
TS16_14_3_46	0.361	0.031	8.587258	0.817	0.023	2.815177	177	0.8554	0.952345	1.812851	109.9584	10.32919
TS16_14_4_46	0.323	0.031	9.597523	0.814	0.026	3.194103	177	0.8554	0.948622	2.049513	106.1019	11.15498
TS16_14_5_46	0.3	0.017	5.666667	0.783	0.027	3.448276	177	0.8554	0.91015	2.131573	171.463	12.31021
TS16_14_6_46	0.252	0.029	11.50794	0.779	0.025	3.209243	177	0.8554	0.905186	1.9742	152.2143	18.71226
TS16_14_7_46	0.282	0.06	21.2766	0.745	0.028	3.758389	177	0.8554	0.862991	2.217596	244.3765	53.9062
TS16_14_8_46	0.253	0.044	17.3913	0.772	0.036	4.663212	177	0.8554	0.896498	2.844274	166.6328	30.81421
TS16_14_9_46	0.2107	0.0088	4.176554	0.794	0.029	3.652393	177	0.8554	0.923801	2.287993	102.676	6.408952
TS16_14_10_46	0.187	0.024	12.83422	0.736	0.036	4.891304	177	0.8554	0.851822	2.854031	176.1961	25.04171
TS16_14_11_46	0.1149	0.009	7.832898	0.679	0.03	4.418262	177	0.8554	0.781083	2.399155	160.1445	14.87754
TS16_14_12_46	0.102	0.012	11.76471	0.636	0.049	7.704403	177	0.8554	0.727719	3.956945	176.5931	25.33502
TS16_14_13_46	0.0744	0.0042	5.645161	0.537	0.031	5.772812	177	0.8554	0.604857	2.594762	186.7833	14.5158
TS16_14_1_47	0.584	0.048	8.219178	0.814	0.037	4.545455	177	0.8554	0.948622	2.916615	190.5798	19.46541
TS16_14_2_47	0.686	0.049	7.142857	0.832	0.032	3.846154	177	0.8554	0.97096	2.521272	127.1594	11.21872

TS16_14_3_47	0.619	0.042	6.785137	0.83	0.033	3.975904	177	0.8554	0.968478	2.600164	124.572	10.74398
TS16_14_4_47	0.472	0.057	12.07627	0.791	0.033	4.171934	177	0.8554	0.920078	2.604005	238.7049	31.90247
TS16_14_5_47	0.424	0.036	8.490566	0.812	0.029	3.571429	177	0.8554	0.946139	2.286157	145.5601	14.18105
TS16_14_6_47	0.432	0.036	8.333333	0.805	0.026	3.229814	177	0.8554	0.937452	2.050224	171.8743	16.15731
TS16_14_7_47	0.319	0.02	6.269592	0.77	0.031	4.025974	177	0.8554	0.894016	2.44961	214.3421	17.31812
TS16_14_8_47	0.322	0.021	6.521739	0.774	0.039	5.03876	177	0.8554	0.89898	3.080839	206.3525	18.78636
TS16_14_9_47	0.342	0.025	7.309942	0.815	0.031	3.803681	177	0.8554	0.949863	2.443567	109.5997	9.712329
TS16_14_10_47	0.329	0.026	7.902736	0.817	0.035	4.283966	177	0.8554	0.952345	2.758686	100.2868	9.734049
TS16_14_11_47	0.286	0.015	5.244755	0.817	0.039	4.773562	177	0.8554	0.952345	3.073964	87.26767	7.096247
TS16_14_12_47	0.286	0.016	5.594406	0.799	0.032	4.005006	177	0.8554	0.930006	2.524042	127.7712	9.71665
TS16_14_13_47	0.277	0.016	5.776173	0.784	0.031	3.954082	177	0.8554	0.911391	2.447206	156.3151	11.96809
TS16_14_1_48	0.0658	0.0057	8.662614	0.0587	0.002	3.407155	177	0.8554	0.011275	1.049221	406.3135	37.27306
TS16_14_2_48	0.0845	0.0032	3.786982	0.0644	0.0025	3.881988	177	0.8554	0.018348	1.02819	513.7043	23.00183
TS16_14_3_48	0.0932	0.0025	2.682403	0.0652	0.0016	2.453988	177	0.8554	0.019341	0.640942	563.7962	17.49252
TS16_14_4_48	0.098	0.0018	1.836735	0.0657	0.0011	1.674277	177	0.8554	0.019962	0.43375	591.1819	12.56425
TS16_14_5_48	0.1022	0.0019	1.8591	0.0657	0.001	1.52207	177	0.8554	0.019962	0.394318	615.3459	13.02589
TS16_14_6_48	0.1039	0.0013	1.251203	0.0659	0.0011	1.669196	177	0.8554	0.02021	0.431081	624.95	9.963849
TS16_14_7_48	0.1051	0.0016	1.52236	0.0663	0.001	1.508296	177	0.8554	0.020706	0.387169	631.5205	11.32228
TS16_14_8_48	0.108	0.0019	1.759259	0.067	0.0013	1.940299	177	0.8554	0.021575	0.493092	647.5512	13.72378
TS16_14_9_48	0.1103	0.0015	1.359927	0.0683	0.0013	1.903367	177	0.8554	0.023188	0.475647	659.6228	11.51667
TS16_14_10_48	0.1137	0.0015	1.319261	0.0657	0.00093	1.415525	177	0.8554	0.019962	0.366716	681.0494	10.83351
TS16_14_11_48	0.1167	0.0017	1.456727	0.0659	0.0011	1.669196	177	0.8554	0.02021	0.431081	697.9123	12.46501
TS16_14_12_48	0.1165	0.0014	1.201717	0.06654	0.00096	1.442741	177	0.8554	0.021004	0.36904	696.2432	10.3605
TS16_14_13_48	0.117	0.0015	1.282051	0.0664	0.001	1.506024	177	0.8554	0.020831	0.386015	699.1926	11.04291
TS16_14_1_49	0.1532	0.006	3.916449	0.698	0.039	5.587393	177	0.8554	0.804663	3.10834	190.0833	14.15875
TS16_14_2_49	0.1388	0.007	5.043228	0.698	0.037	5.30086	177	0.8554	0.804663	2.948938	172.4532	13.54889
TS16_14_3_49	0.1414	0.0055	3.889675	0.725	0.022	3.034483	177	0.8554	0.83817	1.746483	145.8491	7.707069
TS16_14_4_49	0.1483	0.0044	2.966959	0.742	0.03	4.043127	177	0.8554	0.859268	2.376758	133.1558	7.534521
TS16_14_5_49	0.1548	0.0069	4.457364	0.751	0.032	4.260985	177	0.8554	0.870437	2.532849	128.0122	8.718118
TS16_14_6_49	0.1639	0.0068	4.148871	0.749	0.03	4.00534	177	0.8554	0.867955	2.375018	138.0263	8.792934
TS16_14_7_49	0.1646	0.0068	4.131227	0.768	0.029	3.776042	177	0.8554	0.891534	2.291931	114.0754	7.098114
TS16_14_8_49	0.1501	0.009	5.996003	0.706	0.031	4.390935	177	0.8554	0.814591	2.467581	176.9523	13.91709
TS16_14_9_49	0.175	0.012	6.857143	0.727	0.027	3.713893	177	0.8554	0.840652	2.142862	177.303	14.51983
TS16_14_10_49	0.173	0.01	5.780347	0.735	0.021	2.857143	177	0.8554	0.85058	1.665045	164.5197	11.10675
TS16_14_11_49	0.1705	0.0077	4.516129	0.726	0.021	2.892562	177	0.8554	0.839411	1.666883	174.1321	9.900209

TS16_14_12_49	0.201	0.01	4.975124	0.733	0.023	3.13779	177	0.8554	0.848098	1.824052	193.8784	12.13124
TS16_14_13_49	0.2017	0.0081	4.015865	0.748	0.024	3.208556	177	0.8554	0.866714	1.900207	171.0156	9.574952
TS16_14_1_50	0.172	0.011	6.395349	0.797	0.047	5.897114	177	0.8554	0.927524	3.707552	79.86333	7.864101
TS16_14_2_50	0.184	0.012	6.521739	0.761	0.049	6.438896	177	0.8554	0.882847	3.874832	137.4832	14.05946
TS16_14_3_50	0.1724	0.0066	3.828306	0.73	0.034	4.657534	177	0.8554	0.844375	2.697407	170.6758	11.43108
TS16_14_4_50	0.1728	0.008	4.62963	0.691	0.025	3.617945	177	0.8554	0.795975	1.994897	223.3568	13.87502
TS16_14_5_50	0.1576	0.0087	5.520305	0.713	0.033	4.628331	177	0.8554	0.823278	2.624034	177.0869	13.66089
TS16_14_6_50	0.1623	0.0087	5.360444	0.73	0.04	5.479452	177	0.8554	0.844375	3.17342	160.8005	13.51254
TS16_14_7_50	0.164	0.0068	4.146341	0.697	0.033	4.734577	177	0.8554	0.803421	2.630569	204.5454	13.90644
TS16_14_8_50	0.1687	0.0087	5.157084	0.719	0.026	3.616134	177	0.8554	0.830724	2.065675	181.5098	12.15286
TS16_14_9_50	0.1882	0.0069	3.666312	0.751	0.027	3.595206	177	0.8554	0.870437	2.137091	155.3021	8.845504
TS16_14_10_50	0.1973	0.0082	4.156107	0.749	0.036	4.806409	177	0.8554	0.867955	2.850021	165.7948	11.83656
TS16_14_11_50	0.192	0.011	5.729167	0.741	0.025	3.373819	177	0.8554	0.858027	1.980848	173.3697	12.22834
TS16_14_12_50	0.1533	0.0092	6.001305	0.696	0.037	5.316092	177	0.8554	0.80218	2.949919	192.5866	16.43105
TS16_14_13_50	0.1247	0.0075	6.014435	0.605	0.026	4.297521	177	0.8554	0.689247	2.118612	245.0857	18.3523
TS16_15_1_1	0.084	0.01	11.90476	0.512	0.037	7.226563	216	0.8556	0.573245	3.138797	227.0419	31.02616
TS16_15_2_1	0.0555	0.0019	3.423423	0.382	0.027	7.068063	216	0.8556	0.411783	2.535564	207.0877	12.86356
TS16_15_3_1	0.0524	0.0014	2.671756	0.3321	0.0095	2.860584	216	0.8556	0.349807	0.948221	215.9716	7.19194
TS16_15_4_1	0.049	0.0012	2.44898	0.304	0.011	3.618421	216	0.8556	0.314906	1.145161	212.8505	7.252081
TS16_15_5_1	0.0491	0.0013	2.647658	0.3003	0.0088	2.930403	216	0.8556	0.310311	0.921681	214.6849	7.038842
TS16_15_6_1	0.0525	0.0017	3.238095	0.3128	0.0099	3.164962	216	0.8556	0.325836	1.016434	224.217	8.717475
TS16_15_7_1	0.0556	0.0017	3.057554	0.327	0.012	3.669725	216	0.8556	0.343472	1.206379	231.1199	9.158636
TS16_15_8_1	0.0552	0.0015	2.717391	0.338	0.0089	2.633136	216	0.8556	0.357135	0.881199	224.7932	7.404931
TS16_15_9_1	0.0567	0.0018	3.174603	0.347	0.012	3.458213	216	0.8556	0.368313	1.174164	226.8504	9.110829
TS16_15_10_1	0.0576	0.0016	2.777778	0.3544	0.0073	2.059819	216	0.8556	0.377504	0.707661	227.0939	7.201945
TS16_15_11_1	0.0606	0.0018	2.970297	0.3522	0.0074	2.101079	216	0.8556	0.374771	0.719317	239.7339	8.055989
TS16_15_12_1	0.0629	0.0021	3.338633	0.36	0.01	2.777778	216	0.8556	0.384459	0.962815	244.8787	9.61239
TS16_15_13_1	0.0641	0.0025	3.900156	0.37	0.013	3.513514	216	0.8556	0.396879	1.237115	244.522	11.50057
TS16_15_1_2	0.1125	0.0042	3.733333	0.594	0.02	3.367003	216	0.8556	0.67509	1.636534	231.4277	11.68841
TS16_15_2_2	0.1189	0.0032	2.691337	0.6	0.016	2.666667	216	0.8556	0.682542	1.306577	238.8451	9.12127
TS16_15_3_2	0.147	0.011	7.482993	0.632	0.024	3.797468	216	0.8556	0.722286	1.941126	257.9381	22.14731
TS16_15_4_2	0.164	0.015	9.146341	0.666	0.02	3.003003	216	0.8556	0.764515	1.604404	244.271	24.08616
TS16_15_5_2	0.143	0.0075	5.244755	0.663	0.025	3.770739	216	0.8556	0.760788	2.006801	216.8264	14.54693
TS16_15_6_2	0.1336	0.0054	4.041916	0.657	0.028	4.261796	216	0.8556	0.753336	2.250621	209.0115	12.83889
TS16_15_7_2	0.1338	0.0036	2.690583	0.631	0.02	3.169572	216	0.8556	0.721044	1.618043	236.2263	10.11804
TS16_15_8_2	0.1363	0.0028	2.054292	0.63	0.023	3.650794	216	0.8556	0.719802	1.861258	241.61	10.45906

TS16_15_9_2	0.1363	0.0029	2.12766	0.654	0.024	3.669725	216	0.8556	0.74961	1.930435	216.333	9.691179
TS16_15_10_2	0.1401	0.0045	3.211991	0.665	0.027	4.06015	216	0.8556	0.763273	2.166409	210.3298	11.521
TS16_15_11_2	0.1449	0.0035	2.415459	0.679	0.019	2.798233	216	0.8556	0.780661	1.520168	201.6932	7.950754
TS16_15_12_2	0.1367	0.0039	2.852963	0.665	0.02	3.007519	216	0.8556	0.763273	1.604747	205.3059	8.951941
TS16_15_13_2	0.1413	0.0062	4.387827	0.656	0.017	2.591463	216	0.8556	0.752094	1.366761	221.9468	11.6631
TS16_15_1_3	0.2476	0.0076	3.069467	0.724	0.027	3.729282	216	0.8556	0.836551	2.144626	255.7451	13.7455
TS16_15_2_3	0.203	0.02	9.852217	0.662	0.03	4.531722	216	0.8556	0.759546	2.408688	307.2242	34.41677
TS16_15_3_3	0.126	0.015	11.90476	0.599	0.023	3.839733	216	0.8556	0.6813	1.878829	253.8013	32.2351
TS16_15_4_3	0.0835	0.0059	7.065868	0.496	0.034	6.854839	216	0.8556	0.553372	2.910793	236.0343	21.97237
TS16_15_5_3	0.0639	0.0022	3.442879	0.41	0.017	4.146341	216	0.8556	0.446559	1.552483	224.0379	10.56076
TS16_15_6_3	0.0578	0.0015	2.595156	0.381	0.011	2.887139	216	0.8556	0.410541	1.034117	215.9753	7.284432
TS16_15_7_3	0.0567	0.0012	2.116402	0.364	0.015	4.120879	216	0.8556	0.389427	1.437382	219.3955	7.961845
TS16_15_8_3	0.05686	0.00098	1.723531	0.345	0.01	2.898551	216	0.8556	0.365829	0.980998	228.3583	6.06763
TS16_15_9_3	0.05646	0.00098	1.735742	0.3519	0.0085	2.415459	216	0.8556	0.374399	0.826552	223.7677	5.455557
TS16_15_10_3	0.0571	0.001	1.751313	0.3334	0.0096	2.879424	216	0.8556	0.351421	0.95648	234.421	6.18876
TS16_15_11_3	0.0546	0.0016	2.930403	0.335	0.0093	2.776119	216	0.8556	0.353409	0.924557	223.6583	7.881035
TS16_15_12_3	0.0538	0.0013	2.416357	0.336	0.011	3.27381	216	0.8556	0.354651	1.092072	220.0204	7.286059
TS16_15_13_3	0.0549	0.0014	2.550091	0.3253	0.0092	2.828159	216	0.8556	0.341361	0.927147	228.9823	7.345369
TS16_15_1_4	0.0912	0.0043	4.714912	0.552	0.021	3.804348	216	0.8556	0.622925	1.746765	217.9606	12.99582
TS16_15_2_4	0.0939	0.0037	3.940362	0.54	0.02	3.703704	216	0.8556	0.608021	1.672687	233.0097	12.25281
TS16_15_3_4	0.1074	0.0046	4.283054	0.572	0.025	4.370629	216	0.8556	0.647765	2.062277	239.3682	14.48442
TS16_15_4_4	0.1121	0.0029	2.586976	0.582	0.018	3.092784	216	0.8556	0.660186	1.479198	241.0029	9.64336
TS16_15_5_4	0.1085	0.0041	3.778802	0.589	0.021	3.565365	216	0.8556	0.66888	1.721363	227.5343	11.82822
TS16_15_6_4	0.155	0.029	18.70968	0.652	0.036	5.521472	216	0.8556	0.747126	2.897008	247.8438	49.29965
TS16_15_7_4	0.47	0.11	23.40426	0.769	0.036	4.681404	216	0.8556	0.892442	2.846121	317.912	78.01951
TS16_15_8_4	0.847	0.091	10.7438	0.837	0.034	4.062127	216	0.8556	0.976899	2.6797	124.9182	15.12661
TS16_15_9_4	0.949	0.062	6.533193	0.828	0.026	3.140097	216	0.8556	0.96572	2.049525	206.3712	16.15393
TS16_15_10_4	0.844	0.076	9.004739	0.822	0.023	2.798054	216	0.8556	0.958268	1.813314	223.1451	22.00375
TS16_15_11_4	0.66	0.054	8.181818	0.797	0.026	3.262233	216	0.8556	0.927218	2.051827	302.4528	28.28187
TS16_15_12_4	0.794	0.083	10.4534	0.821	0.029	3.532278	216	0.8556	0.957026	2.286416	216.2891	25.04817
TS16_15_13_4	0.73	0.084	11.50685	0.844	0.032	3.791469	216	0.8556	0.985593	2.521859	67.44519	8.512474
TS16_15_1_5	0.0431	0.0011	2.552204	0.2425	0.0081	3.340206	216	0.8556	0.238522	0.950099	208.1716	6.728413
TS16_15_2_5	0.0434	0.0011	2.534562	0.2307	0.0052	2.25401	216	0.8556	0.223867	0.627567	213.5652	6.138543
TS16_15_3_5	0.04363	0.00088	2.016961	0.2307	0.0046	1.993932	216	0.8556	0.223867	0.555156	214.6783	5.02396
TS16_15_4_5	0.04335	0.00085	1.960784	0.2319	0.0065	2.802932	216	0.8556	0.225357	0.78211	212.9202	5.427523
TS16_15_5_5	0.04283	0.0009	2.101331	0.2409	0.0062	2.573682	216	0.8556	0.236535	0.729958	207.4195	5.391295

TS16_15_6_5	0.04213	0.00095	2.254925	0.2398	0.0063	2.627189	216	0.8556	0.235169	0.743656	204.4421	5.608569
TS16_15_7_5	0.0409	0.001	2.444988	0.2389	0.0077	3.223106	216	0.8556	0.234051	0.910855	198.8501	6.154543
TS16_15_8_5	0.04143	0.00086	2.07579	0.2347	0.007	2.982531	216	0.8556	0.228835	0.836476	202.7372	5.488572
TS16_15_9_5	0.0417	0.00077	1.846523	0.2366	0.0079	3.338969	216	0.8556	0.231195	0.939676	203.4232	5.44274
TS16_15_10_5	0.04206	0.00073	1.735616	0.2259	0.0055	2.434706	216	0.8556	0.217905	0.671948	208.6411	4.6531
TS16_15_11_5	0.04248	0.00067	1.577213	0.2315	0.0058	2.5054	216	0.8556	0.22486	0.698579	208.8472	4.471018
TS16_15_12_5	0.0424	0.0012	2.830189	0.2434	0.0081	3.327855	216	0.8556	0.23964	0.94812	204.5478	7.076204
TS16_15_13_5	0.0433	0.0019	4.387991	0.261	0.017	6.51341	216	0.8556	0.2615	1.914739	202.9102	11.99435
TS16_15_1_6	0.126	0.0034	2.698413	0.628	0.018	2.866242	216	0.8556	0.717318	1.45744	225.6134	9.113918
TS16_15_2_6	0.1253	0.0022	1.755786	0.628	0.016	2.547771	216	0.8556	0.717318	1.295502	224.3815	7.142546
TS16_15_3_6	0.1313	0.0029	2.208682	0.613	0.022	3.588907	216	0.8556	0.698688	1.78912	250.1192	10.71532
TS16_15_4_6	0.1376	0.0053	3.851744	0.658	0.024	3.647416	216	0.8556	0.754578	1.928667	214.1004	11.85598
TS16_15_5_6	0.1539	0.0056	3.638726	0.655	0.02	3.053435	216	0.8556	0.750852	1.608323	242.559	11.99353
TS16_15_6_6	0.178	0.011	6.179775	0.674	0.021	3.115727	216	0.8556	0.774451	1.68184	253.749	18.18391
TS16_15_7_6	0.215	0.012	5.581395	0.679	0.021	3.092784	216	0.8556	0.780661	1.680186	297.0494	19.77495
TS16_15_8_6	0.255	0.01	3.921569	0.702	0.028	3.988604	216	0.8556	0.809227	2.231181	306.2104	18.603
TS16_15_9_6	0.286	0.014	4.895105	0.696	0.027	3.87931	216	0.8556	0.801775	2.153617	355.4787	23.78532
TS16_15_10_6	0.304	0.013	4.276316	0.74	0.029	3.918919	216	0.8556	0.856423	2.299025	275.401	17.64365
TS16_15_11_6	0.283	0.01	3.533569	0.738	0.033	4.471545	216	0.8556	0.853939	2.616721	261.1036	16.80437
TS16_15_12_6	0.336	0.031	9.22619	0.725	0.03	4.137931	216	0.8556	0.837793	2.382607	342.0991	36.3806
TS16_15_13_6	0.41	0.031	7.560976	0.747	0.039	5.220884	216	0.8556	0.865117	3.089469	346.99	34.71704
TS16_15_1_7	0.06	0.0055	9.166667	0.449	0.036	8.017817	216	0.8556	0.494998	3.18143	192.4264	21.75896
TS16_15_2_7	0.0478	0.0014	2.92887	0.352	0.015	4.261364	216	0.8556	0.374523	1.458439	189.9087	7.961877
TS16_15_3_7	0.04673	0.00096	2.054355	0.31	0.011	3.548387	216	0.8556	0.322358	1.13429	200.968	6.244534
TS16_15_4_7	0.04488	0.00087	1.938503	0.2893	0.0074	2.557898	216	0.8556	0.296649	0.789692	200.3445	5.086162
TS16_15_5_7	0.04343	0.00062	1.427585	0.2653	0.0086	3.241613	216	0.8556	0.26684	0.960156	202.061	4.909661
TS16_15_6_7	0.04263	0.00094	2.20502	0.2536	0.0092	3.62776	216	0.8556	0.252309	1.052582	202.2668	6.260979
TS16_15_7_7	0.04206	0.00061	1.450309	0.2354	0.007	2.973662	216	0.8556	0.229704	0.835049	205.5431	4.618069
TS16_15_8_7	0.04104	0.00054	1.315789	0.2298	0.0063	2.741514	216	0.8556	0.222749	0.762046	202.4187	4.139023
TS16_15_9_7	0.04052	0.00092	2.270484	0.2105	0.0074	3.515439	216	0.8556	0.198778	0.942964	205.9606	6.17429
TS16_15_10_7	0.03946	0.00099	2.50887	0.1998	0.0044	2.202202	216	0.8556	0.185489	0.578992	203.9318	5.722612
TS16_15_11_7	0.04016	0.00084	2.091633	0.1972	0.0055	2.789047	216	0.8556	0.182259	0.729704	208.3013	5.397129
TS16_15_12_7	0.0402	0.00081	2.014925	0.2012	0.0064	3.180915	216	0.8556	0.187227	0.838513	207.2589	5.519246
TS16_15_13_7	0.0394	0.0006	1.749493	0.1991	0.007	3.515821	216	0.8556	0.184619	0.923146	204.0442	5.270771

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TS16_15_1_8	0.251	0.02	7.968127	0.736	0.043	5.842391	216	0.8556	0.851455	3.410452	235.9803	25.16104
TS16_15_2_8	0.1997	0.0099	4.957436	0.727	0.039	5.364512	216	0.8556	0.840277	3.096593	202.4077	16.29105
TS16_15_3_8	0.1754	0.0094	5.359179	0.715	0.031	4.335664	216	0.8556	0.825373	2.465383	194.4873	14.36313
TS16_15_4_8	0.1708	0.0062	3.629977	0.689	0.021	3.047896	216	0.8556	0.793081	1.677069	223.8944	11.25026
TS16_15_5_8	0.1645	0.0073	4.43769	0.678	0.028	4.129794	216	0.8556	0.779419	2.240682	229.7683	14.73552
TS16_15_6_8	0.1521	0.0061	4.010519	0.666	0.025	3.753754	216	0.8556	0.764515	2.005505	226.8546	13.08317
TS16_15_7_8	0.1457	0.0053	3.637612	0.661	0.03	4.538578	216	0.8556	0.758304	2.409218	223.1051	13.69088
TS16_15_8_8	0.143	0.0042	2.937063	0.652	0.019	2.91411	216	0.8556	0.747126	1.528976	228.9926	9.876173
TS16_15_9_8	0.1421	0.0038	2.674173	0.662	0.013	1.963746	216	0.8556	0.759546	1.043765	216.5845	7.468103
TS16_15_10_8	0.1362	0.0047	3.450808	0.641	0.022	3.432137	216	0.8556	0.733464	1.77517	229.8712	11.57601
TS16_15_11_8	0.1354	0.0033	2.437223	0.612	0.02	3.267974	216	0.8556	0.697446	1.626972	258.8168	10.72732
TS16_15_12_8	0.1326	0.0031	2.337858	0.617	0.016	2.593193	216	0.8556	0.703656	1.299608	248.4629	8.849571
TS16_15_13_8	0.1279	0.0049	3.831118	0.622	0.014	2.250804	216	0.8556	0.709866	1.135491	234.8829	10.64493
TS16_15_1_9	0.0796	0.0025	3.140704	0.503	0.014	2.7833	216	0.8556	0.562067	1.193663	220.8907	8.859156
TS16_15_2_9	0.0768	0.0015	1.953125	0.514	0.011	2.140078	216	0.8556	0.575729	0.93214	206.7006	5.668955
TS16_15_3_9	0.0789	0.0015	1.901141	0.528	0.011	2.083333	216	0.8556	0.593117	0.925358	203.6973	5.488459
TS16_15_4_9	0.0845	0.0026	3.076923	0.536	0.012	2.238806	216	0.8556	0.603053	1.005522	212.6786	7.943204
TS16_15_5_9	0.0957	0.0038	3.970742	0.559	0.018	3.220036	216	0.8556	0.631619	1.492718	223.3479	11.28019
TS16_15_6_9	0.1014	0.0028	2.761341	0.604	0.015	2.483444	216	0.8556	0.68751	1.223312	201.0949	7.531536
TS16_15_7_9	0.1092	0.004	3.663004	0.619	0.021	3.392569	216	0.8556	0.70614	1.704726	203.6126	10.34349
TS16_15_8_9	0.1232	0.003	2.435065	0.638	0.025	3.918495	216	0.8556	0.729738	2.018795	211.1455	10.11251
TS16_15_9_9	0.1412	0.0077	5.453258	0.685	0.019	2.773723	216	0.8556	0.788113	1.518449	190.0381	12.02725
TS16_15_10_9	0.1688	0.0076	4.50237	0.695	0.023	3.309353	216	0.8556	0.800533	1.834873	213.477	12.59504
TS16_15_11_9	0.202	0.012	5.940594	0.717	0.028	3.90516	216	0.8556	0.827857	2.226168	220.351	16.61994
TS16_15_12_9	0.249	0.017	6.827309	0.706	0.021	2.974504	216	0.8556	0.814195	1.672333	291.5526	22.63457
TS16_15_13_9	0.323	0.023	7.120743	0.723	0.024	3.319502	216	0.8556	0.835309	1.906586	334.1081	27.63969
TS16_15_1_10	0.0996	0.0038	3.815261	0.617	0.021	3.403566	216	0.8556	0.703656	1.705736	187.5176	9.730828
TS16_15_2_10	0.0933	0.002	2.143623	0.59	0.01	1.694915	216	0.8556	0.670122	0.819407	195.4135	5.351357
TS16_15_3_10	0.0964	0.0033	3.423237	0.609	0.013	2.134647	216	0.8556	0.69372	1.058517	187.5773	7.656298
TS16_15_4_10	0.0962	0.0025	2.598753	0.605	0.014	2.31405	216	0.8556	0.688752	1.14139	190.1858	6.673051
TS16_15_5_10	0.11	0.0064	5.818182	0.646	0.022	3.405573	216	0.8556	0.739674	1.772952	182.0047	12.56548
TS16_15_6_10	0.1	0.0091	9.1	0.643	0.03	4.66563	216	0.8556	0.735948	2.419464	168.0102	17.51987
TS16_15_7_10	0.0841	0.002	2.378121	0.573	0.024	4.188482	216	0.8556	0.649007	1.979013	187.5339	8.780605
TS16_15_8_10	0.0828	0.0027	3.26087	0.558	0.019	3.405018	216	0.8556	0.630377	1.576314	194.3322	8.942271
TS16_15_9_10	0.0799	0.0023	2.878598	0.548	0.019	3.467153	216	0.8556	0.617957	1.583219	193.8347	8.415295
TS16_15_10_10	0.0793	0.0023	2.900378	0.565	0.01	1.769912	216	0.8556	0.639071	0.827224	181.9159	6.157876

TS16_15_11_10	0.0837	0.0024	2.867384	0.579	0.019	3.28152	216	0.8556	0.656459	1.563123	182.7474	7.858442
TS16_15_12_10	0.0918	0.0025	2.723312	0.584	0.023	3.938356	216	0.8556	0.66267	1.888697	196.5972	9.289334
TS16_15_13_10	0.0956	0.003	3.138075	0.6	0.014	2.333333	216	0.8556	0.682542	1.143255	192.7322	7.591803
TS16_15_1_11	0.058	0.0039	6.724138	0.45	0.024	5.333333	216	0.8556	0.49624	2.119345	185.6527	14.95401
TS16_15_2_11	0.0574	0.0031	5.400697	0.455	0.02	4.395604	216	0.8556	0.50245	1.759534	181.5256	11.8566
TS16_15_3_11	0.093	0.015	16.12903	0.581	0.045	7.745267	216	0.8556	0.658944	3.699365	201.2933	36.18141
TS16_15_4_11	0.1047	0.0091	8.6915	0.631	0.021	3.328051	216	0.8556	0.721044	1.698945	185.5813	17.5464
TS16_15_5_11	0.123	0.022	17.88618	0.657	0.024	3.652968	216	0.8556	0.753336	1.929104	192.6735	35.68775
TS16_15_6_11	0.266	0.038	14.28571	0.726	0.019	2.61708	216	0.8556	0.839035	1.50879	270.2681	40.17514
TS16_15_7_11	0.45	0.13	28.88889	0.763	0.02	2.621232	216	0.8556	0.88499	1.581957	325.2851	96.23691
TS16_15_8_11	0.59	0.11	18.64407	0.799	0.019	2.377972	216	0.8556	0.929702	1.499263	261.9739	50.29251
TS16_15_9_11	0.638	0.064	10.03135	0.797	0.017	2.132999	216	0.8556	0.927218	1.341579	292.5964	31.00857
TS16_15_10_11	0.513	0.039	7.602339	0.813	0.033	4.059041	216	0.8556	0.94709	2.602451	172.6405	16.10082
TS16_15_11_11	0.445	0.035	7.865169	0.793	0.025	3.152585	216	0.8556	0.92225	1.973324	219.2661	19.59711
TS16_15_12_11	0.321	0.067	20.87227	0.732	0.023	3.142077	216	0.8556	0.846487	1.825062	310.0848	66.96088
TS16_15_13_11	0.142	0.019	13.38028	0.651	0.019	2.918587	216	0.8556	0.745884	1.529338	228.5166	31.84862
TS16_15_1_12	0.0604	0.0025	4.139073	0.385	0.019	4.935065	216	0.8556	0.415509	1.778607	223.6543	12.40848
TS16_15_2_12	0.0674	0.004	5.934718	0.422	0.016	3.791469	216	0.8556	0.461464	1.445458	229.8412	15.42796
TS16_15_3_12	0.0731	0.0051	6.976744	0.455	0.024	5.274725	216	0.8556	0.50245	2.111441	230.2988	19.0926
TS16_15_4_12	0.0693	0.002	2.886003	0.445	0.015	3.370787	216	0.8556	0.49003	1.329678	223.889	8.934541
TS16_15_5_12	0.072	0.0019	2.638889	0.455	0.014	3.076923	216	0.8556	0.50245	1.231674	226.8935	8.331233
TS16_15_6_12	0.0831	0.0056	6.738869	0.48	0.025	5.208333	216	0.8556	0.5335	2.16169	245.1803	19.97744
TS16_15_7_12	0.097	0.0028	2.886598	0.55	0.024	4.363636	216	0.8556	0.620441	1.998069	233.0743	11.6894
TS16_15_8_12	0.0896	0.0037	4.129464	0.536	0.023	4.291045	216	0.8556	0.603053	1.92725	225.293	12.9385
TS16_15_9_12	0.0812	0.0026	3.20197	0.503	0.02	3.976143	216	0.8556	0.562067	1.705232	225.254	10.71479
TS16_15_10_12	0.096	0.014	14.58333	0.559	0.034	6.08229	216	0.8556	0.631619	2.819578	224.036	35.54713
TS16_15_11_12	0.098	0.013	13.26531	0.561	0.03	5.347594	216	0.8556	0.634103	2.485774	227.1069	32.66323
TS16_15_12_12	0.0856	0.0026	3.037383	0.541	0.015	2.772643	216	0.8556	0.609263	1.253927	212.0864	8.487248
TS16_15_13_12	0.0882	0.002	2.267574	0.554	0.023	4.151625	216	0.8556	0.625409	1.911452	209.5398	9.459761
TS16_15_1_13	0.0733	0.0046	6.27558	0.525	0.031	5.904762	216	0.8556	0.589391	2.61179	191.1594	15.82263
TS16_15_2_13	0.0595	0.0038	6.386555	0.423	0.041	9.692671	216	0.8556	0.462706	3.70076	202.8599	20.11555
TS16_15_3_13	0.0511	0.0023	4.500978	0.375	0.015	4	216	0.8556	0.403089	1.419438	193.6903	10.45509
TS16_15_4_13	0.0496	0.0018	3.629032	0.359	0.014	3.899721	216	0.8556	0.383217	1.349562	194.2551	8.913196
TS16_15_5_13	0.0518	0.0019	3.667954	0.373	0.016	4.289544	216	0.8556	0.400605	1.51745	197.1081	9.521675
TS16_15_6_13	0.0537	0.0026	4.841713	0.385	0.017	4.415584	216	0.8556	0.415509	1.591385	199.2242	11.71293

TS16_15_7_13	0.0509	0.002	3.929273	0.365	0.017	4.657534	216	0.8556	0.390669	1.627125	196.8974	10.19242
TS16_15_8_13	0.0504	0.0018	3.571429	0.375	0.019	5.066667	216	0.8556	0.403089	1.797955	191.0759	9.821389
TS16_15_9_13	0.0518	0.0016	3.088803	0.408	0.022	5.392157	216	0.8556	0.444075	2.012849	183.014	9.412599
TS16_15_10_13	0.0544	0.0026	4.779412	0.42	0.015	3.571429	216	0.8556	0.45898	1.357497	186.9893	10.42038
TS16_15_11_13	0.0583	0.0016	2.744425	0.445	0.021	4.719101	216	0.8556	0.49003	1.861549	188.8661	8.858745
TS16_15_12_13	0.0623	0.002	3.210273	0.463	0.02	4.319654	216	0.8556	0.512386	1.74939	192.9158	9.292161
TS16_15_13_13	0.0635	0.0033	5.19685	0.481	0.014	2.910603	216	0.8556	0.534742	1.209764	187.6929	10.90839
TS16_15_1_14	0.1311	0.0047	3.58505	0.623	0.022	3.5313	216	0.8556	0.711108	1.78383	239.6399	12.33666
TS16_15_2_14	0.1284	0.0056	4.361371	0.652	0.013	1.993865	216	0.8556	0.747126	1.046142	205.9823	10.11688
TS16_15_3_14	0.1571	0.009	5.728835	0.674	0.018	2.670623	216	0.8556	0.774451	1.441577	224.4672	14.63301
TS16_15_4_14	0.1729	0.0066	3.817235	0.695	0.018	2.589928	216	0.8556	0.800533	1.435987	218.5753	10.61159
TS16_15_5_14	0.205	0.018	8.780488	0.734	0.035	4.768392	216	0.8556	0.848971	2.776602	196.5593	20.70213
TS16_15_6_14	0.22	0.013	5.909091	0.767	0.027	3.520209	216	0.8556	0.889958	2.134932	154.204	11.36751
TS16_15_7_14	0.233	0.018	7.725322	0.765	0.024	3.137255	216	0.8556	0.887474	1.898029	166.8384	14.53183
TS16_15_8_14	0.246	0.011	4.471545	0.766	0.026	3.394256	216	0.8556	0.888716	2.056028	174.1042	10.71177
TS16_15_9_14	0.216	0.015	6.944444	0.747	0.026	3.480589	216	0.8556	0.865117	2.059646	185.1299	15.14679
TS16_15_10_14	0.2444	0.0099	4.050736	0.729	0.029	3.978052	216	0.8556	0.842761	2.302014	243.0887	15.17377
TS16_15_11_14	0.257	0.01	3.891051	0.774	0.031	4.005168	216	0.8556	0.898652	2.449893	165.757	10.4971
TS16_15_12_14	0.264	0.012	4.545455	0.768	0.025	3.255208	216	0.8556	0.8912	1.97663	182.5527	11.14465
TS16_15_13_14	0.265	0.012	4.528302	0.764	0.029	3.795812	216	0.8556	0.886232	2.293643	191.4782	12.51534
TS16_15_1_15	0.239	0.018	7.531381	0.735	0.02	2.721088	216	0.8556	0.850213	1.586442	226.7405	18.83245
TS16_15_2_15	0.14	0.015	10.71429	0.665	0.025	3.759398	216	0.8556	0.763273	2.005934	210.1821	24.39651
TS16_15_3_15	0.1135	0.0028	2.46696	0.612	0.022	3.594771	216	0.8556	0.697446	1.789669	217.6531	9.616033
TS16_15_4_15	0.1094	0.0018	1.645338	0.616	0.022	3.571429	216	0.8556	0.702414	1.787496	206.5251	8.253982
TS16_15_5_15	0.1081	0.0028	2.590194	0.616	0.017	2.75974	216	0.8556	0.702414	1.381247	204.1094	7.848269
TS16_15_6_15	0.133	0.016	12.03008	0.656	0.027	4.115854	216	0.8556	0.752094	2.170737	209.1188	27.1266
TS16_15_7_15	0.188	0.015	7.978723	0.726	0.02	2.754821	216	0.8556	0.839035	1.5882	192.1839	16.73103
TS16_15_8_15	0.171	0.01	5.847953	0.705	0.018	2.553191	216	0.8556	0.812953	1.433651	202.96	13.41524
TS16_15_9_15	0.1509	0.007	4.638834	0.697	0.019	2.725968	216	0.8556	0.803017	1.515254	188.8254	10.60884
TS16_15_10_15	0.182	0.031	17.03297	0.711	0.025	3.516174	216	0.8556	0.820405	1.989368	207.3389	36.75124
TS16_15_11_15	0.202	0.05	24.75248	0.701	0.033	4.707561	216	0.8556	0.807985	2.630029	245.3101	62.96396
TS16_15_12_15	0.098	0.0071	7.244898	0.586	0.025	4.266212	216	0.8556	0.665154	2.051442	208.1421	17.58869
TS16_15_13_15	0.0812	0.0023	2.832512	0.527	0.021	3.98482	216	0.8556	0.591875	1.767482	210.1691	9.669876
TS16_15_1_16	0.0895	0.0029	3.240223	0.578	0.023	3.979239	216	0.8556	0.655217	1.892915	195.9162	9.905008

TS16_15_2_16	0.0823	0.0027	3.28068	0.557	0.018	3.231598	216	0.8556	0.629135	1.493987	193.8155	8.72513
TS16_15_3_16	0.0817	0.0021	2.570379	0.523	0.02	3.824092	216	0.8556	0.586907	1.686756	213.9738	9.220665
TS16_15_4_16	0.0778	0.0027	3.470437	0.507	0.013	2.564103	216	0.8556	0.567035	1.105884	213.5684	8.930046
TS16_15_5_16	0.0735	0.0023	3.129252	0.484	0.021	4.338843	216	0.8556	0.538468	1.811166	215.0517	10.45925
TS16_15_6_16	0.0686	0.0014	2.040816	0.447	0.015	3.355705	216	0.8556	0.492514	1.327625	220.6044	7.511359
TS16_15_7_16	0.0624	0.0022	3.525641	0.44	0.015	3.409091	216	0.8556	0.48382	1.334917	204.3629	9.176118
TS16_15_8_16	0.0567	0.0016	2.821869	0.4	0.018	4.5	216	0.8556	0.434139	1.659534	203.58	9.004217
TS16_15_9_16	0.0563	0.0013	2.309059	0.382	0.011	2.879581	216	0.8556	0.411783	1.033008	210.0246	6.611209
TS16_15_10_16	0.0545	0.0018	3.302752	0.378	0.015	3.968254	216	0.8556	0.406815	1.414756	205.1056	9.05722
TS16_15_11_16	0.053	0.0012	2.264151	0.378	0.011	2.910053	216	0.8556	0.406815	1.037488	199.547	6.221201
TS16_15_12_16	0.0532	0.0013	2.443609	0.363	0.01	2.754821	216	0.8556	0.388185	0.959384	206.4792	6.515673
TS16_15_13_16	0.052	0.0018	3.461538	0.357	0.012	3.361345	216	0.8556	0.380733	1.159575	204.3145	8.643548
TS16_15_1_17	0.295	0.047	15.9322	0.735	0.022	2.993197	216	0.8556	0.850213	1.745087	278.7343	46.29214
TS16_15_2_17	0.2155	0.0094	4.361949	0.714	0.023	3.221289	216	0.8556	0.824131	1.829417	239.8014	13.89474
TS16_15_3_17	0.254	0.029	11.41732	0.739	0.023	3.112314	216	0.8556	0.855181	1.823569	232.8673	28.35854
TS16_15_4_17	0.232	0.017	7.327586	0.731	0.028	3.830369	216	0.8556	0.845245	2.222085	227.3882	19.80439
TS16_15_5_17	0.2325	0.0092	3.956989	0.726	0.025	3.443526	216	0.8556	0.839035	1.985249	236.8478	13.50946
TS16_15_6_17	0.258	0.012	4.651163	0.745	0.033	4.42953	216	0.8556	0.862633	2.614712	224.5093	15.96949
TS16_15_7_17	0.27	0.012	4.444444	0.753	0.025	3.320053	216	0.8556	0.87257	1.979243	218.0665	13.18717
TS16_15_8_17	0.297	0.018	6.060606	0.749	0.016	2.136182	216	0.8556	0.867602	1.267216	248.6312	16.63065
TS16_15_9_17	0.316	0.026	8.227848	0.732	0.025	3.415301	216	0.8556	0.846487	1.983763	305.3674	28.50185
TS16_15_10_17	0.393	0.038	9.669211	0.756	0.021	2.777778	216	0.8556	0.876296	1.662092	306.018	31.9645
TS16_15_11_17	0.429	0.033	7.692308	0.782	0.021	2.685422	216	0.8556	0.908588	1.658683	247.9702	21.14281
TS16_15_12_17	0.526	0.026	4.942966	0.806	0.033	4.094293	216	0.8556	0.938396	2.603158	205.574	14.97867
TS16_15_13_17	0.73	0.14	19.17808	0.827	0.037	4.474002	216	0.8556	0.964478	2.916699	165.0297	33.42153
TS16_15_1_18	0.0799	0.0045	5.63204	0.49	0.024	4.897959	216	0.8556	0.54592	2.062157	229.7393	16.30591
TS16_15_2_18	0.0679	0.003	4.418262	0.427	0.022	5.152225	216	0.8556	0.467674	1.978955	228.8932	13.80659
TS16_15_3_18	0.0616	0.002	3.246753	0.379	0.015	3.957784	216	0.8556	0.408057	1.413214	230.8758	10.1106
TS16_15_4_18	0.0574	0.0023	4.006969	0.3595	0.009	2.503477	216	0.8556	0.383838	0.867054	224.0557	9.946832
TS16_15_5_18	0.0551	0.0014	2.540835	0.324	0.013	4.012346	216	0.8556	0.339746	1.312561	230.3552	8.562207
TS16_15_6_18	0.0557	0.0015	2.692998	0.3138	0.0089	2.836201	216	0.8556	0.327078	0.912362	237.2048	7.855151
TS16_15_7_18	0.0552	0.002	3.623188	0.3109	0.0071	2.283693	216	0.8556	0.323476	0.731105	236.3495	9.398966
TS16_15_8_18	0.0543	0.001	1.841621	0.3186	0.007	2.197112	216	0.8556	0.33304	0.712399	229.3349	5.433748
TS16_15_9_18	0.0547	0.0011	2.010969	0.3225	0.0081	2.511628	216	0.8556	0.337883	0.819614	229.3462	6.054495
TS16_15_10_18	0.0569	0.0016	2.811951	0.324	0.011	3.395062	216	0.8556	0.339746	1.110629	237.7433	8.672601

TS16_15_11_18	0.0577	0.0014	2.426343	0.329	0.01	3.039514	216	0.8556	0.345956	1.002467	238.7987	7.65265
TS16_15_12_18	0.0561	0.0015	2.673797	0.3372	0.0081	2.402135	216	0.8556	0.356141	0.802855	228.741	7.258183
TS16_15_13_18	0.0565	0.0018	3.185841	0.3387	0.0089	2.627694	216	0.8556	0.358004	0.880371	229.6883	8.505835
TS16_15_1_19	0.0797	0.0023	2.885822	0.501	0.02	3.992016	216	0.8556	0.559583	1.707203	222.3966	10.10799
TS16_15_2_19	0.0834	0.0034	4.076739	0.533	0.025	4.690432	216	0.8556	0.599327	2.097884	211.8933	12.58976
TS16_15_3_19	0.117	0.014	11.96581	0.633	0.04	6.319115	216	0.8556	0.723528	3.234338	205.2219	28.30192
TS16_15_4_19	0.176	0.016	9.090909	0.712	0.026	3.651685	216	0.8556	0.821647	2.068638	199.2427	20.17962
TS16_15_5_19	0.224	0.012	5.357143	0.742	0.025	3.369272	216	0.8556	0.858907	1.981481	200.5839	13.56203
TS16_15_6_19	0.22	0.012	5.454545	0.738	0.03	4.065041	216	0.8556	0.853939	2.378838	203.8863	14.97557
TS16_15_7_19	0.1992	0.0062	3.11245	0.743	0.036	4.845222	216	0.8556	0.860149	2.853023	177.1297	11.662
TS16_15_8_19	0.2063	0.0057	2.762967	0.758	0.028	3.693931	216	0.8556	0.87878	2.215715	159.2276	8.413265
TS16_15_9_19	0.188	0.013	6.914894	0.709	0.031	4.372355	216	0.8556	0.817921	2.467552	216.9734	18.71917
TS16_15_10_19	0.1599	0.0048	3.001876	0.651	0.03	4.608295	216	0.8556	0.745884	2.414744	256.756	14.87766
TS16_15_11_19	0.1439	0.0095	6.601807	0.619	0.022	3.55412	216	0.8556	0.70614	1.785903	266.99	20.42895
TS16_15_12_19	0.1221	0.0079	6.470106	0.629	0.03	4.769475	216	0.8556	0.71856	2.428395	217.8022	17.89673
TS16_15_13_19	0.1157	0.0048	4.14866	0.607	0.026	4.283361	216	0.8556	0.691236	2.118371	226.2737	13.64117
TS16_15_1_20	0.0651	0.0027	4.147465	0.514	0.019	3.696498	216	0.8556	0.575729	1.610061	175.6358	9.342253
TS16_15_2_20	0.079	0.0058	7.341772	0.567	0.019	3.35097	216	0.8556	0.641555	1.57045	180.0072	14.56044
TS16_15_3_20	0.132	0.018	13.63636	0.641	0.029	4.524181	216	0.8556	0.733464	2.339997	222.9038	32.61568
TS16_15_4_20	0.216	0.026	12.03704	0.734	0.029	3.950954	216	0.8556	0.848971	2.300613	206.9388	27.04298
TS16_15_5_20	0.302	0.018	5.960265	0.735	0.024	3.265306	216	0.8556	0.850213	1.903731	285.2041	20.59126
TS16_15_6_20	0.322	0.014	4.347826	0.798	0.034	4.260652	216	0.8556	0.92846	2.683024	146.814	10.24772
TS16_15_7_20	0.378	0.028	7.407407	0.788	0.045	5.71066	216	0.8556	0.91604	3.552993	201.4097	20.96639
TS16_15_8_20	0.37	0.015	4.054054	0.764	0.043	5.628272	216	0.8556	0.886232	3.400919	265.8012	21.45129
TS16_15_9_20	0.37	0.014	3.783784	0.747	0.024	3.212851	216	0.8556	0.865117	1.901212	313.9477	17.23479
TS16_15_10_20	0.383	0.016	4.177546	0.752	0.031	4.12234	216	0.8556	0.871328	2.454499	310.1092	20.44561
TS16_15_11_20	0.401	0.015	3.740648	0.772	0.037	4.792746	216	0.8556	0.896168	2.924502	262.9701	18.60827
TS16_15_12_20	0.353	0.023	6.515581	0.791	0.036	4.551201	216	0.8556	0.919766	2.841901	180.0414	15.76703
TS16_15_13_20	0.334	0.019	5.688623	0.772	0.039	5.051813	216	0.8556	0.896168	3.082583	219.7722	18.72659
TS16_15_1_21	0.0719	0.0044	6.119611	0.463	0.013	2.807775	216	0.8556	0.512386	1.137104	222.1361	14.73811
TS16_15_2_21	0.0821	0.0024	2.923264	0.482	0.016	3.319502	216	0.8556	0.535984	1.381698	241.0183	9.871323
TS16_15_3_21	0.0834	0.0015	1.798561	0.487	0.014	2.874743	216	0.8556	0.542194	1.205165	241.548	7.397903
TS16_15_4_21	0.0875	0.0021	2.4	0.503	0.013	2.584493	216	0.8556	0.562067	1.108401	242.406	8.065486
TS16_15_5_21	0.0922	0.0023	2.494577	0.506	0.014	2.766798	216	0.8556	0.565793	1.191624	253.0432	8.897559
TS16_15_6_21	0.0918	0.0026	2.832244	0.52	0.021	4.038462	216	0.8556	0.583181	1.773859	242.0635	11.1879

TS16_15_7_21	0.091	0.0027	2.967033	0.511	0.02	3.913894	216	0.8556	0.572003	1.697579	246.3074	11.31077
TS16_15_8_21	0.0879	0.0023	2.61661	0.496	0.015	3.024194	216	0.8556	0.553372	1.284174	248.2355	9.272336
TS16_15_9_21	0.088	0.0025	2.840909	0.508	0.022	4.330709	216	0.8556	0.568277	1.870447	240.3723	11.49401
TS16_15_10_21	0.0844	0.0023	2.725118	0.514	0.017	3.307393	216	0.8556	0.575729	1.44058	226.7995	9.147955
TS16_15_11_21	0.0831	0.0021	2.527076	0.519	0.015	2.890173	216	0.8556	0.581939	1.267709	220.1518	8.011969
TS16_15_12_21	0.085	0.0026	3.058824	0.503	0.016	3.180915	216	0.8556	0.562067	1.364186	235.6051	9.828203
TS16_15_13_21	0.0845	0.0019	2.248521	0.473	0.013	2.748414	216	0.8556	0.524806	1.129285	253.7867	8.244235
TS16_15_1_22	0.486	0.029	5.967078	0.758	0.024	3.166227	216	0.8556	0.87878	1.899184	369.0121	26.80759
TS16_15_2_22	0.438	0.025	5.707763	0.783	0.032	4.086845	216	0.8556	0.90983	2.527353	249.6988	19.38191
TS16_15_3_22	0.415	0.026	6.26506	0.778	0.026	3.341902	216	0.8556	0.90362	2.054161	252.819	19.28851
TS16_15_4_22	0.475	0.025	5.263158	0.773	0.02	2.587322	216	0.8556	0.89741	1.580693	306.7219	19.25803
TS16_15_5_22	0.454	0.024	5.286344	0.784	0.028	3.571429	216	0.8556	0.911072	2.211293	255.1467	17.91338
TS16_15_6_22	0.414	0.015	3.623188	0.781	0.026	3.329065	216	0.8556	0.907346	2.053743	242.652	13.52945
TS16_15_7_22	0.386	0.017	4.404145	0.772	0.026	3.367876	216	0.8556	0.896168	2.055055	253.3241	15.54549
TS16_15_8_22	0.316	0.018	5.696203	0.761	0.028	3.679369	216	0.8556	0.882506	2.215122	235.0076	17.24847
TS16_15_9_22	0.237	0.027	11.39241	0.718	0.036	5.013928	216	0.8556	0.829099	2.861817	255.9532	33.20329
TS16_15_10_22	0.295	0.023	7.79661	0.775	0.031	4	216	0.8556	0.899894	2.449714	187.6143	17.50602
TS16_15_11_22	0.337	0.025	7.418398	0.759	0.027	3.557312	216	0.8556	0.880022	2.136389	255.5145	22.27515
TS16_15_12_22	0.393	0.02	5.089059	0.766	0.018	2.349869	216	0.8556	0.888716	1.423404	275.9411	16.41908
TS16_15_13_22	0.362	0.025	6.906077	0.772	0.022	2.849741	216	0.8556	0.896168	1.738893	237.8603	18.70849
TS16_15_1_23	0.0398	0.0011	2.763819	0.1444	0.0082	5.67867	216	0.8556	0.116681	1.346738	222.738	8.740229
TS16_15_2_23	0.03899	0.00076	1.949218	0.1224	0.0053	4.330065	216	0.8556	0.089357	0.991909	224.9165	6.362607
TS16_15_3_23	0.0372	0.0019	5.107527	0.1207	0.004	3.314002	216	0.8556	0.087245	0.757475	215.2506	11.65047
TS16_15_4_23	0.0375	0.0021	5.6	0.1241	0.0033	2.659146	216	0.8556	0.091468	0.61055	215.9704	12.57595
TS16_15_5_23	0.04049	0.00077	1.901704	0.13	0.0036	2.769231	216	0.8556	0.098796	0.64132	231.0379	5.393468
TS16_15_6_23	0.04065	0.00067	1.648216	0.1377	0.0039	2.832244	216	0.8556	0.10836	0.664047	229.5167	4.943822
TS16_15_7_23	0.04045	0.00036	0.889988	0.1412	0.0021	1.487252	216	0.8556	0.112707	0.350767	227.3131	2.62142
TS16_15_8_23	0.04058	0.00038	0.936422	0.1403	0.0019	1.354241	216	0.8556	0.111589	0.318907	228.3131	2.632606
TS16_15_9_23	0.04071	0.00046	1.129944	0.1436	0.0036	2.506964	216	0.8556	0.115687	0.593717	227.9935	3.802877
TS16_15_10_23	0.04027	0.00073	1.812764	0.1435	0.0032	2.229965	216	0.8556	0.115563	0.528024	225.6031	4.815012
TS16_15_11_23	0.03977	0.00061	1.533819	0.1469	0.0036	2.450647	216	0.8556	0.119786	0.583749	221.8039	4.348436
TS16_15_12_23	0.04041	0.00058	1.435288	0.1486	0.0049	3.297443	216	0.8556	0.121898	0.787833	224.7805	4.873589
TS16_15_13_23	0.04108	0.00046	1.119766	0.1574	0.003	1.905972	216	0.8556	0.132827	0.462709	225.6478	3.335121

TS16_15_1_24	0.0579	0.0016	2.763385	0.357	0.021	5.882353	216	0.8556	0.380733	2.029255	227.0925	11.33892
TS16_15_2_24	0.0535	0.0014	2.616822	0.3009	0.0095	3.157195	216	0.8556	0.311056	0.994013	233.331	7.803782
TS16_15_3_24	0.04888	0.00093	1.902619	0.258	0.011	4.263566	216	0.8556	0.257774	1.24674	229.7335	7.331268
TS16_15_4_24	0.04808	0.00078	1.622296	0.2315	0.0069	2.980562	216	0.8556	0.22486	0.831068	235.8809	5.577659
TS16_15_5_24	0.0451	0.0012	2.660754	0.2074	0.0075	3.616201	216	0.8556	0.194928	0.964396	229.9122	7.687399
TS16_15_6_24	0.04182	0.00086	2.056432	0.1799	0.0071	3.946637	216	0.8556	0.160772	0.999371	222.3668	6.484881
TS16_15_7_24	0.0419	0.0011	2.625298	0.1708	0.0048	2.810304	216	0.8556	0.14947	0.699511	225.7334	6.83046
TS16_15_8_24	0.04186	0.00078	1.863354	0.1793	0.0083	4.629113	216	0.8556	0.160027	1.17086	222.7701	6.779613
TS16_15_9_24	0.04381	0.00062	1.415202	0.2051	0.0074	3.607996	216	0.8556	0.192071	0.958076	224.2279	5.433041
TS16_15_10_24	0.0465	0.0015	3.225806	0.237	0.011	4.64135	216	0.8556	0.231691	1.307149	226.2883	9.55561
TS16_15_11_24	0.0522	0.0011	2.10728	0.2759	0.0088	3.189561	216	0.8556	0.280006	0.962327	237.8382	6.910802
TS16_15_12_24	0.0574	0.0016	2.787456	0.308	0.013	4.220779	216	0.8556	0.319874	1.344746	246.8748	9.74057
TS16_15_13_24	0.0621	0.0021	3.381643	0.354	0.019	5.367232	216	0.8556	0.377007	1.842767	244.6947	12.46251
TS16_15_1_25	0.146	0.013	8.90411	0.681	0.027	3.964758	216	0.8556	0.783145	2.159411	200.9347	20.16654
TS16_15_2_25	0.148	0.011	7.432432	0.649	0.024	3.697997	216	0.8556	0.7434	1.932719	240.2797	20.47675
TS16_15_3_25	0.12	0.011	9.166667	0.611	0.018	2.94599	216	0.8556	0.696204	1.464726	230.8252	22.57609
TS16_15_4_25	0.1116	0.0048	4.301075	0.599	0.011	1.836394	216	0.8556	0.6813	0.89857	225.2961	10.67885
TS16_15_5_25	0.1133	0.0041	3.618711	0.581	0.017	2.92599	216	0.8556	0.658944	1.397538	244.4081	11.38
TS16_15_6_25	0.1061	0.0041	3.864279	0.572	0.02	3.496503	216	0.8556	0.647765	1.649822	236.5233	12.23022
TS16_15_7_25	0.1063	0.0035	3.292568	0.557	0.02	3.590664	216	0.8556	0.629135	1.659985	249.255	11.872
TS16_15_8_25	0.1029	0.0024	2.332362	0.562	0.018	3.202847	216	0.8556	0.635345	1.490843	237.4608	9.15031
TS16_15_9_25	0.1011	0.0036	3.560831	0.584	0.022	3.767123	216	0.8556	0.66267	1.80658	216.1834	11.14312
TS16_15_10_25	0.1024	0.0035	3.417969	0.594	0.019	3.198653	216	0.8556	0.67509	1.554707	210.9868	9.902774
TS16_15_11_25	0.1018	0.0036	3.536346	0.566	0.031	5.477032	216	0.8556	0.640313	2.563351	231.8238	14.68415
TS16_15_12_25	0.1063	0.0048	4.515522	0.563	0.03	5.328597	216	0.8556	0.636587	2.48371	244.3402	16.6959
TS16_15_13_25	0.1098	0.0046	4.189435	0.581	0.026	4.475043	216	0.8556	0.658944	2.137411	236.995	14.433
TS16_15_1_26	0.199	0.021	10.55276	0.71	0.019	2.676056	216	0.8556	0.819163	1.512144	227.9076	25.41607
TS16_15_2_26	0.126	0.0087	6.904762	0.637	0.024	3.767661	216	0.8556	0.728496	1.938548	216.8403	17.43963
TS16_15_3_26	0.1012	0.0039	3.853755	0.587	0.019	3.236797	216	0.8556	0.666396	1.558535	214.0428	10.77825
TS16_15_4_26	0.0948	0.0027	2.848101	0.567	0.012	2.116402	216	0.8556	0.641555	0.991863	215.4132	7.598528
TS16_15_5_26	0.087	0.004	4.597701	0.573	0.011	1.919721	216	0.8556	0.649007	0.907047	193.9043	9.722273
TS16_15_6_26	0.0831	0.0058	6.979543	0.57	0.01	1.754386	216	0.8556	0.645281	0.825562	187.2749	13.61432
TS16_15_7_26	0.0943	0.0026	2.757158	0.599	0.014	2.337229	216	0.8556	0.6813	1.143635	190.8827	6.93668
TS16_15_8_26	0.1043	0.005	4.793864	0.623	0.013	2.086677	216	0.8556	0.711108	1.054081	191.3708	10.16419

TS16_15_9_26	0.135	0.019	14.07407	0.665	0.025	3.759398	216	0.8556	0.763273	2.005934	202.7924	30.07953
TS16_15_10_26	0.1151	0.0069	5.994787	0.644	0.023	3.571429	216	0.8556	0.73719	1.854459	192.109	13.73164
TS16_15_11_26	0.1134	0.0077	6.790123	0.645	0.016	2.48062	216	0.8556	0.738432	1.289738	188.4311	13.87389
TS16_15_12_26	0.1411	0.0082	5.811481	0.676	0.016	2.366864	216	0.8556	0.776935	1.280892	199.7702	12.87331
TS16_15_13_26	0.1364	0.0065	4.765396	0.666	0.019	2.852853	216	0.8556	0.764515	1.524184	203.8044	11.70275
TS16_15_1_27	0.0471	0.0016	3.397028	0.2689	0.0078	2.900707	216	0.8556	0.271312	0.864603	217.5368	8.428089
TS16_15_2_27	0.0464	0.0013	2.801724	0.2664	0.0065	2.43994	216	0.8556	0.268207	0.724095	215.2552	6.899799
TS16_15_3_27	0.04662	0.00075	1.608752	0.264	0.007	2.651515	216	0.8556	0.265226	0.783583	217.1251	4.95757
TS16_15_4_27	0.0464	0.0011	2.37069	0.2661	0.0072	2.70575	216	0.8556	0.267834	0.802558	215.363	6.266869
TS16_15_5_27	0.04704	0.00097	2.062075	0.2707	0.0065	2.401182	216	0.8556	0.273547	0.717959	216.6088	5.532982
TS16_15_6_27	0.0469	0.00096	2.046908	0.2731	0.0064	2.343464	216	0.8556	0.276528	0.703629	215.1032	5.431
TS16_15_7_27	0.04613	0.00085	1.842619	0.284	0.011	3.873239	216	0.8556	0.290066	1.185003	207.732	6.334627
TS16_15_8_27	0.0474	0.0013	2.742616	0.2937	0.0089	3.030303	216	0.8556	0.302113	0.94255	209.7951	7.092919
TS16_15_9_27	0.0487	0.0013	2.669405	0.2907	0.0074	2.54558	216	0.8556	0.298387	0.787762	216.585	6.823876
TS16_15_10_27	0.0472	0.0015	3.177966	0.287	0.0095	3.310105	216	0.8556	0.293792	1.017921	211.3748	8.104714
TS16_15_11_27	0.04305	0.00097	2.253194	0.257	0.013	5.058366	216	0.8556	0.256532	1.476541	203.0929	7.659443
TS16_15_12_27	0.04052	0.00096	2.3692	0.207	0.01	4.830918	216	0.8556	0.194431	1.287383	207.0603	7.358309
TS16_15_13_27	0.03737	0.00074	1.980198	0.1874	0.0055	2.934899	216	0.8556	0.170088	0.753793	196.8904	4.973838
TS16_15_1_28	0.1151	0.0077	6.689835	0.62	0.021	3.387097	216	0.8556	0.707382	1.704226	213.5412	16.2808
TS16_15_2_28	0.0872	0.0029	3.325688	0.565	0.019	3.362832	216	0.8556	0.639071	1.571726	199.7606	9.277849
TS16_15_3_28	0.0933	0.0083	8.896034	0.566	0.02	3.533569	216	0.8556	0.640313	1.653775	212.783	20.49963
TS16_15_4_28	0.1014	0.0061	6.015779	0.59	0.022	3.728814	216	0.8556	0.670122	1.802696	212.1025	15.10541
TS16_15_5_28	0.1017	0.0041	4.031465	0.586	0.019	3.242321	216	0.8556	0.665154	1.559096	215.8703	11.17874
TS16_15_6_28	0.109	0.0041	3.761468	0.596	0.02	3.355705	216	0.8556	0.677574	1.635415	222.6656	11.28319
TS16_15_7_28	0.1025	0.0043	4.195122	0.586	0.021	3.583618	216	0.8556	0.665154	1.723211	217.5401	12.00119
TS16_15_8_28	0.23	0.097	42.17391	0.66	0.053	8.030303	216	0.8556	0.757062	4.25723	350.4942	153.1408
TS16_15_9_28	0.223	0.098	43.94619	0.64	0.048	7.5	216	0.8556	0.732222	3.874087	373.8887	169.5286
TS16_15_10_28	0.0944	0.0054	5.720339	0.573	0.019	3.315881	216	0.8556	0.649007	1.566718	210.1313	13.91623
TS16_15_11_28	0.0986	0.0045	4.563895	0.597	0.028	4.690117	216	0.8556	0.678816	2.288806	200.9841	13.18283
TS16_15_12_28	0.1072	0.0038	3.544776	0.6	0.023	3.833333	216	0.8556	0.682542	1.878204	215.731	11.32085
TS16_15_13_28	0.12	0.0077	6.416667	0.616	0.024	3.896104	216	0.8556	0.702414	1.949995	226.1886	17.26262
TS16_15_1_29	0.0919	0.0044	4.787813	0.566	0.015	2.650177	216	0.8556	0.640313	1.240331	209.6415	11.48008
TS16_15_2_29	0.0786	0.0029	3.689567	0.535	0.014	2.616822	216	0.8556	0.601811	1.173674	198.6648	8.81679

TS16_15_3_29	0.0763	0.0021	2.752294	0.509	0.017	3.339882	216	0.8556	0.569519	1.44454	208.3342	8.443259
TS16_15_4_29	0.0797	0.0022	2.760351	0.505	0.014	2.772277	216	0.8556	0.564551	1.1923	219.9302	8.155692
TS16_15_5_29	0.0857	0.0034	3.967328	0.519	0.011	2.119461	216	0.8556	0.581939	0.929653	226.92	10.11141
TS16_15_6_29	0.0961	0.0024	2.497399	0.545	0.017	3.119266	216	0.8556	0.614231	1.418492	234.6607	9.026351
TS16_15_7_29	0.1151	0.007	6.081668	0.613	0.018	2.936378	216	0.8556	0.698688	1.463826	219.7788	15.07245
TS16_15_8_29	0.1442	0.0061	4.230236	0.66	0.026	3.939394	216	0.8556	0.757062	2.088452	221.9626	13.41122
TS16_15_9_29	0.1581	0.004	2.530044	0.697	0.017	2.439024	216	0.8556	0.803017	1.355754	197.6981	7.441035
TS16_15_10_29	0.1858	0.0089	4.790097	0.7	0.019	2.714286	216	0.8556	0.806743	1.514505	227.4136	13.10524
TS16_15_11_29	0.1919	0.0071	3.699844	0.704	0.02	2.840909	216	0.8556	0.811711	1.593195	228.8167	11.36334
TS16_15_12_29	0.198	0.014	7.070707	0.719	0.029	4.03338	216	0.8556	0.830341	2.305034	212.9931	18.25283
TS16_15_13_29	0.258	0.02	7.751938	0.747	0.023	3.078983	216	0.8556	0.865117	1.821995	220.5181	19.18712
TS16_15_1_30	0.0377	0.0013	3.448276	0.1532	0.0073	4.765013	216	0.8556	0.127611	1.147942	208.6047	8.777162
TS16_15_2_30	0.0395	0.001	2.531646	0.198	0.012	6.060606	216	0.8556	0.183253	1.588039	204.6868	8.44145
TS16_15_3_30	0.0416	0.0016	3.846154	0.218	0.011	5.045872	216	0.8556	0.208093	1.372467	208.9433	10.02694
TS16_15_4_30	0.0417	0.0016	3.83693	0.209	0.021	10.04785	216	0.8556	0.196915	2.687656	212.3456	14.2416
TS16_15_5_30	0.0399	0.0013	3.258145	0.1438	0.0068	4.72879	216	0.8556	0.115936	1.120294	223.4732	8.985278
TS16_15_6_30	0.0388	0.0011	2.835052	0.1433	0.0066	4.605722	216	0.8556	0.115315	1.090191	217.5652	7.909234
TS16_15_7_30	0.0379	0.0011	2.902375	0.1437	0.0067	4.662491	216	0.8556	0.115812	1.104396	212.4834	7.874159
TS16_15_8_30	0.0382	0.0013	3.403141	0.1457	0.0044	3.019904	216	0.8556	0.118296	0.717825	213.546	8.014583
TS16_15_9_30	0.0389	0.0011	2.827763	0.1453	0.0037	2.546456	216	0.8556	0.117799	0.604862	217.5143	6.800558
TS16_15_10_30	0.03997	0.00079	1.976482	0.1464	0.0044	3.005464	216	0.8556	0.119165	0.715275	223.0548	5.535116
TS16_15_11_30	0.03989	0.00099	2.481825	0.1509	0.0056	3.711067	216	0.8556	0.124754	0.890322	221.2274	6.871081
TS16_15_12_30	0.0394	0.0015	3.807107	0.1581	0.0065	4.111322	216	0.8556	0.133697	0.999386	216.3595	9.454192
TS16_15_13_30	0.0396	0.0013	3.282828	0.1644	0.0057	3.467153	216	0.8556	0.141521	0.852713	215.508	8.102133
TS16_15_1_31	0.1272	0.0079	6.210692	0.663	0.018	2.714932	216	0.8556	0.760788	1.444897	193.2246	13.42242
TS16_15_2_31	0.1049	0.0033	3.145853	0.626	0.021	3.354633	216	0.8556	0.714834	1.701297	190.0094	8.929915
TS16_15_3_31	0.107	0.003	2.803738	0.592	0.01	1.689189	216	0.8556	0.672606	0.818833	221.9602	7.328353
TS16_15_4_31	0.1065	0.003	2.816901	0.609	0.012	1.970443	216	0.8556	0.69372	0.977093	206.9179	7.204978
TS16_15_5_31	0.1033	0.0031	3.000968	0.624	0.012	1.923077	216	0.8556	0.71235	0.97272	188.7596	6.846944
TS16_15_6_31	0.1031	0.004	3.879728	0.612	0.015	2.45098	216	0.8556	0.697446	1.220229	198.0126	9.210078
TS16_15_7_31	0.0938	0.0034	3.624733	0.592	0.018	3.040541	216	0.8556	0.672606	1.4739	194.9878	9.242512
TS16_15_8_31	0.0877	0.003	3.420753	0.581	0.015	2.581756	216	0.8556	0.658944	1.233122	189.9891	8.126133
TS16_15_9_31	0.08	0.0029	3.625	0.579	0.024	4.145078	216	0.8556	0.656459	1.974471	174.7775	9.490089
TS16_15_10_31	0.0812	0.003	3.694581	0.604	0.023	3.807947	216	0.8556	0.68751	1.875746	161.5318	8.606879
TS16_15_11_31	0.08	0.0022	2.75	0.575	0.029	5.043478	216	0.8556	0.651491	2.389455	177.2706	9.902121

TS16_15_12_31	0.0741	0.0032	4.318489	0.535	0.024	4.485981	216	0.8556	0.601811	2.012013	187.4546	11.21761
TS16_15_13_31	0.0723	0.0029	4.011065	0.526	0.025	4.752852	216	0.8556	0.590633	2.10521	188.0271	11.08559
TS16_15_1_32	0.0732	0.0038	5.191257	0.445	0.026	5.842697	216	0.8556	0.49003	2.304775	236.2606	16.68485
TS16_15_2_32	0.0699	0.0014	2.002861	0.442	0.012	2.714932	216	0.8556	0.486304	1.066242	227.4148	6.768365
TS16_15_3_32	0.0704	0.0017	2.414773	0.446	0.013	2.914798	216	0.8556	0.491272	1.151495	226.8366	7.699459
TS16_15_4_32	0.0744	0.0018	2.419355	0.457	0.017	3.719912	216	0.8556	0.504934	1.49341	233.1719	9.120141
TS16_15_5_32	0.0775	0.0018	2.322581	0.475	0.016	3.368421	216	0.8556	0.52729	1.388032	231.9413	8.542351
TS16_15_6_32	0.08	0.0017	2.125	0.473	0.017	3.59408	216	0.8556	0.524806	1.476758	240.5204	8.910547
TS16_15_7_32	0.0806	0.002	2.48139	0.488	0.018	3.688525	216	0.8556	0.543436	1.548532	232.9612	9.40731
TS16_15_8_32	0.0811	0.0028	3.452528	0.516	0.019	3.682171	216	0.8556	0.578213	1.608327	216.8245	10.39708
TS16_15_9_32	0.085	0.0024	2.823529	0.51	0.02	3.921569	216	0.8556	0.570761	1.698516	231.0106	10.38101
TS16_15_10_32	0.0846	0.0036	4.255319	0.508	0.019	3.740157	216	0.8556	0.568277	1.615386	231.2497	12.56726
TS16_15_11_32	0.0871	0.0027	3.099885	0.512	0.019	3.710938	216	0.8556	0.573245	1.611815	235.2698	10.70733
TS16_15_12_32	0.0883	0.0022	2.491506	0.51	0.014	2.745098	216	0.8556	0.570761	1.188961	239.8144	8.409617
TS16_15_13_32	0.0889	0.0028	3.149606	0.521	0.016	3.071017	216	0.8556	0.584423	1.350805	233.8676	9.875053
TS16_15_1_33	0.0576	0.0051	8.854167	0.477	0.017	3.563941	216	0.8556	0.529774	1.472833	172.2785	16.27201
TS16_15_2_33	0.065	0.0025	3.846154	0.466	0.016	3.433476	216	0.8556	0.516112	1.396566	199.6339	9.630594
TS16_15_3_33	0.0559	0.003	5.366726	0.403	0.019	4.71464	216	0.8556	0.437865	1.746644	199.4502	12.95839
TS16_15_4_33	0.0516	0.001	1.937984	0.3528	0.0091	2.579365	216	0.8556	0.375516	0.883904	204.4485	5.446644
TS16_15_5_33	0.0524	0.001	1.908397	0.371	0.016	4.312668	216	0.8556	0.398121	1.520875	200.1698	7.29643
TS16_15_6_33	0.0535	0.0013	2.429907	0.404	0.016	3.960396	216	0.8556	0.439107	1.469448	190.5968	7.372397
TS16_15_7_33	0.0633	0.0048	7.582938	0.459	0.028	6.100218	216	0.8556	0.507418	2.456164	197.932	18.13508
TS16_15_8_33	0.0912	0.0079	8.662281	0.571	0.026	4.553415	216	0.8556	0.646523	2.145612	204.5341	20.05796
TS16_15_9_33	0.168	0.028	16.66667	0.638	0.03	4.702194	216	0.8556	0.729738	2.422554	286.2427	50.60251
TS16_15_10_33	0.2669	0.0084	3.147246	0.683	0.027	3.953148	216	0.8556	0.785629	2.158597	358.6704	19.67536
TS16_15_11_33	0.285	0.014	4.912281	0.737	0.029	3.934871	216	0.8556	0.852697	2.299806	265.102	18.18642
TS16_15_12_33	0.298	0.028	9.395973	0.747	0.03	4.016064	216	0.8556	0.865117	2.376515	254.0415	27.22643
TS16_15_13_33	0.332	0.037	11.14458	0.735	0.031	4.217687	216	0.8556	0.850213	2.458986	312.8586	38.9329
TS16_15_1_34	0.09	0.014	15.55556	0.544	0.046	8.455882	216	0.8556	0.612989	3.840034	220.7131	38.83547
TS16_15_2_34	0.0583	0.0012	2.058319	0.409	0.02	4.889976	216	0.8556	0.445317	1.828152	205.1644	8.74093
TS16_15_3_34	0.0565	0.0014	2.477876	0.353	0.02	5.665722	216	0.8556	0.375765	1.942163	223.4429	10.46683
TS16_15_4_34	0.0572	0.0032	5.594406	0.35	0.02	5.714286	216	0.8556	0.372039	1.94948	227.4896	15.77026
TS16_15_5_34	0.0625	0.0021	3.36	0.369	0.015	4.065041	216	0.8556	0.395637	1.429071	239.0122	10.73223
TS16_15_6_34	0.0567	0.0035	6.17284	0.364	0.011	3.021978	216	0.8556	0.389427	1.05408	219.3955	14.54086
TS16_15_7_34	0.0617	0.0061	9.886548	0.39	0.019	4.871795	216	0.8556	0.421719	1.769372	225.9993	24.10747

TS16_15_8_34	0.0784	0.0044	5.612245	0.444	0.018	4.054054	216	0.8556	0.488788	1.596856	253.3228	16.66199
TS16_15_9_34	0.0881	0.0035	3.972758	0.521	0.021	4.03071	216	0.8556	0.584423	1.772932	231.8004	12.55582
TS16_15_10_34	0.1185	0.0084	7.088608	0.59	0.025	4.237288	216	0.8556	0.670122	2.048518	247.1935	20.5989
TS16_15_11_34	0.151	0.018	11.92053	0.625	0.032	5.12	216	0.8556	0.713592	2.593183	272.9318	36.14118
TS16_15_12_34	0.184	0.023	12.5	0.686	0.023	3.35277	216	0.8556	0.789355	1.837785	245.1343	32.47213
TS16_15_13_34	0.1515	0.0059	3.894389	0.628	0.026	4.140127	216	0.8556	0.717318	2.105191	270.328	15.81436
TS16_15_1_35	0.1169	0.0088	7.527802	0.615	0.032	5.203252	216	0.8556	0.701172	2.600776	221.3486	20.57244
TS16_15_2_35	0.148	0.04	27.02703	0.637	0.058	9.105181	216	0.8556	0.728496	4.684824	253.9645	73.67412
TS16_15_3_35	0.0708	0.0054	7.627119	0.469	0.023	4.904051	216	0.8556	0.519838	2.003402	215.5061	18.85324
TS16_15_4_35	0.0645	0.0023	3.565891	0.426	0.012	2.816901	216	0.8556	0.466432	1.080351	218.1222	9.243452
TS16_15_5_35	0.06	0.0017	2.833333	0.4062	0.0091	2.240276	216	0.8556	0.44184	0.834	212.3516	7.094181
TS16_15_6_35	0.0582	0.0017	2.920962	0.405	0.014	3.45679	216	0.8556	0.440349	1.28454	206.6234	8.162705
TS16_15_7_35	0.0585	0.0011	1.880342	0.411	0.014	3.406326	216	0.8556	0.447801	1.277333	204.9497	6.602206
TS16_15_8_35	0.0596	0.0015	2.516779	0.424	0.011	2.59434	216	0.8556	0.463948	0.992027	202.7331	6.597027
TS16_15_9_35	0.064	0.002	3.125	0.442	0.015	3.393665	216	0.8556	0.486304	1.332803	208.5266	8.699271
TS16_15_10_35	0.0734	0.0032	4.359673	0.491	0.015	3.05499	216	0.8556	0.547162	1.288057	210.7838	10.84119
TS16_15_11_35	0.1046	0.0086	8.221797	0.56	0.03	5.357143	216	0.8556	0.632861	2.486815	242.9246	23.7445
TS16_15_12_35	0.1147	0.0034	2.964255	0.615	0.028	4.552846	216	0.8556	0.701172	2.275679	217.2523	11.99009
TS16_15_13_35	0.117	0.0035	2.991453	0.622	0.024	3.858521	216	0.8556	0.709866	1.946556	215.1957	10.73484
TS16_15_1_36	0.1464	0.0063	4.303279	0.669	0.017	2.541106	216	0.8556	0.768241	1.362882	215.0954	11.13201
TS16_15_2_36	0.1678	0.0048	2.860548	0.697	0.021	3.012912	216	0.8556	0.803017	1.674755	209.6325	9.378769
TS16_15_3_36	0.1784	0.005	2.802691	0.711	0.025	3.516174	216	0.8556	0.820405	1.989368	203.3017	10.04406
TS16_15_4_36	0.1662	0.006	3.610108	0.702	0.023	3.276353	216	0.8556	0.809227	1.832756	201.2197	10.50703
TS16_15_5_36	0.196	0.023	11.73469	0.725	0.025	3.448276	216	0.8556	0.837793	1.985506	201.7573	25.33984
TS16_15_6_36	0.227	0.014	6.167401	0.754	0.027	3.580902	216	0.8556	0.873812	2.137378	182.0608	13.84176
TS16_15_7_36	0.2017	0.0068	3.371344	0.715	0.026	3.636364	216	0.8556	0.825373	2.067741	223.1499	12.10339
TS16_15_8_36	0.2046	0.0098	4.789834	0.716	0.022	3.072626	216	0.8556	0.826615	1.749378	224.7208	13.55033
TS16_15_9_36	0.1885	0.0073	3.872679	0.729	0.029	3.978052	216	0.8556	0.842761	2.302014	188.2916	11.48483
TS16_15_10_36	0.1776	0.0064	3.603604	0.712	0.025	3.511236	216	0.8556	0.821647	1.989075	201.026	10.95107
TS16_15_11_36	0.1617	0.0092	5.689549	0.685	0.024	3.50365	216	0.8556	0.788113	1.918041	217.1687	15.13809
TS16_15_12_36	0.1435	0.0049	3.414634	0.67	0.021	3.134328	216	0.8556	0.769483	1.683211	209.7915	10.21699
TS16_15_13_36	0.1403	0.0061	4.347826	0.671	0.024	3.576751	216	0.8556	0.770725	1.923273	204.0987	12.02652
TS16_15_1_37	0.0613	0.0028	4.5677	0.419	0.022	5.250597	216	0.8556	0.457738	1.992758	210.7988	12.97685
TS16_15_2_37	0.0573	0.0016	2.792321	0.372	0.015	4.032258	216	0.8556	0.399363	1.42421	218.1305	8.84361

TS16_15_3_37	0.0528	0.0016	3.030303	0.35	0.011	3.142857	216	0.8556	0.372039	1.072214	210.2726	7.929815
TS16_15_4_37	0.0537	0.0017	3.165736	0.352	0.022	6.25	216	0.8556	0.374523	2.139044	212.9661	11.51312
TS16_15_5_37	0.0526	0.002	3.802281	0.33	0.016	4.848485	216	0.8556	0.347198	1.601692	217.6373	10.99589
TS16_15_6_37	0.0509	0.0013	2.554028	0.3362	0.0085	2.528257	216	0.8556	0.354899	0.843645	208.2712	6.476128
TS16_15_7_37	0.0509	0.0013	2.554028	0.3303	0.0079	2.391765	216	0.8556	0.347571	0.790503	210.5988	6.427163
TS16_15_8_37	0.0511	0.0012	2.348337	0.3222	0.0094	2.917443	216	0.8556	0.337511	0.951574	214.6191	6.593098
TS16_15_9_37	0.0532	0.0014	2.631579	0.3472	0.0066	1.900922	216	0.8556	0.368561	0.645625	212.9937	6.344655
TS16_15_10_37	0.05096	0.0008	1.569859	0.3387	0.0082	2.421022	216	0.8556	0.358004	0.811128	207.5251	4.759284
TS16_15_11_37	0.0514	0.001	1.945525	0.3196	0.0083	2.596996	216	0.8556	0.334282	0.843446	216.8929	5.67753
TS16_15_12_37	0.0516	0.0012	2.325581	0.3186	0.0095	2.981795	216	0.8556	0.33304	0.966828	218.1222	6.706405
TS16_15_13_37	0.0514	0.0011	2.140078	0.3321	0.0066	1.987353	216	0.8556	0.349807	0.658764	211.917	5.411979
TS16_15_1_38	0.169	0.015	8.87574	0.665	0.027	4.06015	216	0.8556	0.763273	2.166409	252.876	25.42232
TS16_15_2_38	0.314	0.095	30.25478	0.712	0.036	5.05618	216	0.8556	0.821647	2.864268	351.2706	110.218
TS16_15_3_38	0.45	0.11	24.44444	0.782	0.029	3.70844	216	0.8556	0.908588	2.290563	259.8671	65.61426
TS16_15_4_38	0.374	0.079	21.12299	0.765	0.026	3.398693	216	0.8556	0.887474	2.056198	265.7428	58.11906
TS16_15_5_38	0.29	0.1	34.48276	0.723	0.022	3.042877	216	0.8556	0.835309	1.747703	300.7566	105.837
TS16_15_6_38	0.143	0.011	7.692308	0.669	0.022	3.28849	216	0.8556	0.768241	1.763729	210.1805	18.05444
TS16_15_7_38	0.1261	0.0059	4.678826	0.621	0.031	4.991948	216	0.8556	0.708624	2.515029	232.6098	16.25092
TS16_15_8_38	0.1126	0.0072	6.394316	0.601	0.026	4.326123	216	0.8556	0.683784	2.122486	225.5389	17.59267
TS16_15_9_38	0.1056	0.0044	4.166667	0.62	0.025	4.032258	216	0.8556	0.707382	2.02884	196.1815	11.57492
TS16_15_10_38	0.0984	0.0039	3.963415	0.577	0.016	2.772964	216	0.8556	0.653975	1.317311	215.8387	10.43762
TS16_15_11_38	0.0968	0.0099	10.22727	0.587	0.02	3.407155	216	0.8556	0.666396	1.640563	204.8829	22.32063
TS16_15_12_38	0.103	0.011	10.67961	0.606	0.025	4.125413	216	0.8556	0.689994	2.037544	202.6202	23.48586
TS16_15_13_38	0.1124	0.0045	4.003559	0.601	0.025	4.159734	216	0.8556	0.683784	2.040852	225.1452	13.08661
TS16_15_1_39	0.0849	0.0048	5.65371	0.542	0.024	4.428044	216	0.8556	0.610505	2.005349	209.7221	14.75971
TS16_15_2_39	0.0701	0.0019	2.710414	0.49	0.019	3.877551	216	0.8556	0.54592	1.632541	201.9976	8.701557
TS16_15_3_39	0.0642	0.003	4.672897	0.425	0.026	6.117647	216	0.8556	0.46519	2.34277	217.6215	14.63015
TS16_15_4_39	0.0641	0.0034	5.304212	0.433	0.025	5.773672	216	0.8556	0.475126	2.237529	213.3173	15.03391
TS16_15_5_39	0.0649	0.003	4.622496	0.45	0.015	3.333333	216	0.8556	0.49624	1.32459	207.3873	11.2191
TS16_15_6_39	0.063	0.0022	3.492063	0.439	0.011	2.505695	216	0.8556	0.482578	0.979721	206.7853	8.408924
TS16_15_7_39	0.068	0.0044	6.470588	0.478	0.022	4.60251	216	0.8556	0.531016	1.904768	202.3719	15.41814
TS16_15_8_39	0.0813	0.0044	5.412054	0.519	0.018	3.468208	216	0.8556	0.581939	1.52125	215.462	13.58898
TS16_15_9_39	0.0744	0.0024	3.225806	0.502	0.017	3.386454	216	0.8556	0.560825	1.450282	207.2663	9.131057
TS16_15_10_39	0.0692	0.003	4.33526	0.485	0.023	4.742268	216	0.8556	0.53971	1.982402	202.1292	12.05169
TS16_15_11_39	0.0646	0.0019	2.941176	0.463	0.015	3.239741	216	0.8556	0.512386	1.312043	199.9286	7.998927

TS16_15_12_39	0.0694	0.0021	3.025937	0.509	0.021	4.125737	216	0.8556	0.569519	1.784431	189.7684	9.004965
TS16_15_13_39	0.073	0.0026	3.561644	0.535	0.023	4.299065	216	0.8556	0.601811	1.928179	184.7113	9.829098
TS16_15_1_40	0.151	0.018	11.92053	0.667	0.025	3.748126	216	0.8556	0.765757	2.005079	224.0747	28.61375
TS16_15_2_40	0.1168	0.0043	3.681507	0.627	0.029	4.625199	216	0.8556	0.716076	2.348751	210.3098	12.7462
TS16_15_3_40	0.1122	0.0033	2.941176	0.5869	0.0097	1.652752	216	0.8556	0.666271	0.795702	236.9723	8.067028
TS16_15_4_40	0.1133	0.0027	2.383054	0.61	0.013	2.131148	216	0.8556	0.694962	1.058187	219.0299	7.096871
TS16_15_5_40	0.1158	0.0027	2.331606	0.604	0.024	3.97351	216	0.8556	0.68751	1.9573	229.1508	10.61999
TS16_15_6_40	0.1116	0.003	2.688172	0.616	0.022	3.571429	216	0.8556	0.702414	1.787496	210.6111	9.568895
TS16_15_7_40	0.1141	0.0031	2.716915	0.632	0.016	2.531646	216	0.8556	0.722286	1.294084	201.099	7.660346
TS16_15_8_40	0.1156	0.0028	2.422145	0.629	0.019	3.020668	216	0.8556	0.71856	1.537983	206.3911	8.20603
TS16_15_9_40	0.1141	0.0038	3.330412	0.618	0.028	4.530744	216	0.8556	0.704898	2.273639	213.4839	12.22274
TS16_15_10_40	0.1223	0.0054	4.415372	0.605	0.029	4.793388	216	0.8556	0.688752	2.364308	240.8318	15.85596
TS16_15_11_40	0.1268	0.0043	3.391167	0.617	0.024	3.889789	216	0.8556	0.703656	1.949412	237.793	12.50475
TS16_15_12_40	0.1234	0.0046	3.727715	0.609	0.026	4.269294	216	0.8556	0.69372	2.117035	239.1506	13.72972
TS16_15_13_40	0.1259	0.0046	3.653693	0.646	0.026	4.024768	216	0.8556	0.739674	2.095307	207.8927	11.736
TS16_15_1_41	0.0829	0.0025	3.015682	0.569	0.016	2.811951	216	0.8556	0.644039	1.321424	187.4754	7.623373
TS16_15_2_41	0.0902	0.0041	4.545455	0.602	0.029	4.817276	216	0.8556	0.685026	2.366611	180.5936	12.00757
TS16_15_3_41	0.1081	0.007	6.475486	0.679	0.035	5.154639	216	0.8556	0.780661	2.800309	151.0643	13.0728
TS16_15_4_41	0.1269	0.0061	4.806935	0.698	0.042	6.017192	216	0.8556	0.804259	3.348952	158.1696	13.18777
TS16_15_5_41	0.1521	0.0083	5.456936	0.687	0.038	5.531295	216	0.8556	0.790597	3.035788	202.1178	16.73946
TS16_15_6_41	0.152	0.0055	3.618421	0.696	0.023	3.304598	216	0.8556	0.801775	1.834563	191.3632	10.00139
TS16_15_7_41	0.153	0.0054	3.529412	0.7	0.027	3.857143	216	0.8556	0.806743	2.152191	187.8461	10.60132
TS16_15_8_41	0.1599	0.0054	3.377111	0.695	0.022	3.165468	216	0.8556	0.800533	1.755096	202.3962	10.00728
TS16_15_9_41	0.1498	0.0084	5.607477	0.663	0.015	2.262443	216	0.8556	0.760788	1.204081	226.9575	14.08187
TS16_15_10_41	0.1223	0.0035	2.861815	0.649	0.018	2.773498	216	0.8556	0.7434	1.449539	199.1928	8.235828
TS16_15_11_41	0.1173	0.0025	2.131287	0.664	0.029	4.36747	216	0.8556	0.76203	2.327385	177.4784	9.205657
TS16_15_12_41	0.118	0.003	2.542373	0.666	0.026	3.903904	216	0.8556	0.764515	2.085725	176.6848	8.744749
TS16_15_13_41	0.1305	0.0083	6.360153	0.646	0.016	2.47678	216	0.8556	0.739674	1.28942	215.363	15.01272
TS16_15_1_42	0.1377	0.0086	6.245461	0.618	0.019	3.074434	216	0.8556	0.704898	1.542826	256.7712	18.22226
TS16_15_2_42	0.126	0.0058	4.603175	0.624	0.02	3.205128	216	0.8556	0.71235	1.6212	229.5087	13.14184
TS16_15_3_42	0.111	0.0053	4.774775	0.618	0.019	3.074434	216	0.8556	0.704898	1.542826	207.7761	11.99342
TS16_15_4_42	0.106	0.0044	4.150943	0.589	0.029	4.923599	216	0.8556	0.66888	2.37712	222.381	14.26434
TS16_15_5_42	0.1141	0.0069	6.047327	0.617	0.031	5.024311	216	0.8556	0.703656	2.517991	214.3676	17.13081
TS16_15_6_42	0.131	0.01	7.633588	0.624	0.027	4.326923	216	0.8556	0.71235	2.18862	238.4498	21.34002
TS16_15_7_42	0.174	0.018	10.34483	0.65	0.021	3.230769	216	0.8556	0.744642	1.690724	280.2477	31.0982

TS16_15_8_42	0.227	0.031	13.65639	0.703	0.024	3.41394	216	0.8556	0.810469	1.912136	271.5471	39.21323
TS16_15_9_42	0.307	0.021	6.840391	0.724	0.027	3.729282	216	0.8556	0.836551	2.144626	315.6191	26.06429
TS16_15_10_42	0.264	0.018	6.818182	0.697	0.03	4.304161	216	0.8556	0.803017	2.392507	326.8105	27.86389
TS16_15_11_42	0.251	0.021	8.366534	0.703	0.024	3.41394	216	0.8556	0.810469	1.912136	299.5996	28.14948
TS16_15_12_42	0.195	0.028	14.35897	0.699	0.024	3.433476	216	0.8556	0.805501	1.913371	239.9727	36.23036
TS16_15_13_42	0.14	0.017	12.14286	0.635	0.033	5.19685	216	0.8556	0.726012	2.666906	242.6489	32.71194
TS16_15_1_43	0.0676	0.0027	3.994083	0.421	0.016	3.800475	216	0.8556	0.460222	1.446724	231.0334	11.59082
TS16_15_2_43	0.0721	0.0023	3.190014	0.453	0.019	4.19426	216	0.8556	0.499966	1.674038	228.3176	10.73876
TS16_15_3_43	0.0703	0.0025	3.556188	0.445	0.015	3.370787	216	0.8556	0.49003	1.329678	227.0634	10.25442
TS16_15_4_43	0.0758	0.0024	3.166227	0.476	0.022	4.621849	216	0.8556	0.528532	1.907278	226.3562	11.41061
TS16_15_5_43	0.0826	0.0023	2.784504	0.508	0.016	3.149606	216	0.8556	0.568277	1.360325	225.8775	8.943062
TS16_15_6_43	0.0878	0.0027	3.075171	0.518	0.017	3.281853	216	0.8556	0.580697	1.437496	233.0594	9.983071
TS16_15_7_43	0.091	0.0031	3.406593	0.549	0.023	4.189435	216	0.8556	0.619199	1.91567	219.6035	11.44243
TS16_15_8_43	0.0947	0.0027	2.851109	0.566	0.018	3.180212	216	0.8556	0.640313	1.488397	215.923	9.044533
TS16_15_9_43	0.0959	0.0035	3.649635	0.559	0.021	3.756708	216	0.8556	0.631619	1.741504	223.8067	11.47892
TS16_15_10_43	0.096	0.0031	3.229167	0.567	0.017	2.998236	216	0.8556	0.641555	1.40514	218.0943	9.488906
TS16_15_11_43	0.0981	0.0028	2.85423	0.593	0.024	4.047218	216	0.8556	0.673848	1.964518	203.0256	10.00873
TS16_15_12_43	0.1001	0.0034	3.396603	0.579	0.024	4.145078	216	0.8556	0.656459	1.974471	217.9555	11.53652
TS16_15_13_43	0.101	0.0041	4.059406	0.548	0.02	3.649635	216	0.8556	0.617957	1.666547	244.0644	13.05192
TS16_15_1_44	0.126	0.01	7.936508	0.649	0.019	2.927581	216	0.8556	0.7434	1.530069	205.1242	17.70417
TS16_15_2_44	0.1089	0.005	4.591368	0.653	0.024	3.675345	216	0.8556	0.748368	1.930885	174.2721	10.58935
TS16_15_3_44	0.123	0.012	9.756098	0.649	0.023	3.543914	216	0.8556	0.7434	1.852189	200.3154	21.19761
TS16_15_4_44	0.112	0.013	11.60714	0.626	0.021	3.354633	216	0.8556	0.714834	1.701297	202.6698	24.85556
TS16_15_5_44	0.1024	0.0044	4.296875	0.606	0.025	4.125413	216	0.8556	0.689994	2.037544	201.4581	12.10724
TS16_15_6_44	0.1223	0.0072	5.887163	0.646	0.024	3.71517	216	0.8556	0.739674	1.93413	202.0404	14.44152
TS16_15_7_44	0.1195	0.0056	4.686192	0.62	0.032	5.16129	216	0.8556	0.707382	2.596916	221.5656	15.74969
TS16_15_8_44	0.135	0.018	13.33333	0.647	0.041	6.33694	216	0.8556	0.740916	3.303329	221.6182	33.46404
TS16_15_9_44	0.186	0.036	19.35484	0.706	0.039	5.524079	216	0.8556	0.814195	3.105762	219.0231	45.12777
TS16_15_10_44	0.1284	0.0031	2.41433	0.647	0.03	4.636785	216	0.8556	0.740916	2.41707	210.9589	11.57735
TS16_15_11_44	0.1342	0.0057	4.247392	0.655	0.021	3.206107	216	0.8556	0.750852	1.688739	212.0148	11.68583
TS16_15_12_44	0.1506	0.0069	4.581673	0.658	0.024	3.647416	216	0.8556	0.754578	1.928667	233.965	14.2543
TS16_15_13_44	0.1748	0.0096	5.491991	0.692	0.03	4.33526	216	0.8556	0.796807	2.394547	224.9924	16.66264
TS16_15_1_45	0.096	0.0046	4.791667	0.591	0.023	3.891709	216	0.8556	0.671364	1.883974	200.2362	12.38543
TS16_15_2_45	0.1004	0.0028	2.788845	0.589	0.018	3.056027	216	0.8556	0.66888	1.475454	210.8225	8.695532

TS16_15_3_45	0.1086	0.0038	3.499079	0.597	0.02	3.350084	216	0.8556	0.678816	1.634861	221.0222	10.75935
TS16_15_4_45	0.117	0.0017	1.452991	0.625	0.016	2.56	216	0.8556	0.713592	1.296592	212.4771	6.417938
TS16_15_5_45	0.1237	0.0038	3.071948	0.661	0.016	2.420575	216	0.8556	0.758304	1.284916	189.9082	7.714559
TS16_15_6_45	0.1481	0.0089	6.009453	0.672	0.018	2.678571	216	0.8556	0.771967	1.44216	214.1112	14.49557
TS16_15_7_45	0.192	0.012	6.25	0.683	0.024	3.513909	216	0.8556	0.785629	1.918753	260.0148	19.43023
TS16_15_8_45	0.271	0.021	7.749077	0.724	0.027	3.729282	216	0.8556	0.836551	2.144626	279.3982	25.24084
TS16_15_9_45	0.358	0.024	6.703911	0.746	0.033	4.423592	216	0.8556	0.863875	2.614438	306.7356	26.6538
TS16_15_10_45	0.452	0.025	5.530973	0.784	0.038	4.846939	216	0.8556	0.911072	3.001041	254.0445	21.11424
TS16_15_11_45	0.502	0.031	6.175299	0.809	0.04	4.944376	216	0.8556	0.942122	3.154958	184.6289	16.51519
TS16_15_12_45	0.611	0.035	5.728314	0.767	0.025	3.259452	216	0.8556	0.889958	1.976789	419.4808	30.09721
TS16_15_13_45	0.612	0.038	6.20915	0.778	0.027	3.470437	216	0.8556	0.90362	2.133167	369.4476	28.58227
TS16_15_1_46	0.0612	0.002	3.267974	0.376	0.012	3.191489	216	0.8556	0.404331	1.134294	230.8215	9.342164
TS16_15_2_46	0.0611	0.00098	1.603928	0.391	0.012	3.069054	216	0.8556	0.422961	1.116353	223.3668	6.24518
TS16_15_3_46	0.0593	0.0011	1.854975	0.3787	0.0095	2.508582	216	0.8556	0.407684	0.895328	222.5401	5.835186
TS16_15_4_46	0.0569	0.0012	2.108963	0.364	0.011	3.021978	216	0.8556	0.389427	1.05408	220.1563	6.674896
TS16_15_5_46	0.0557	0.0011	1.974865	0.3546	0.0091	2.566272	216	0.8556	0.377752	0.881935	219.6429	5.913408
TS16_15_6_46	0.0542	0.0017	3.136531	0.3451	0.0094	2.723848	216	0.8556	0.365953	0.922019	217.8118	8.055339
TS16_15_7_46	0.0516	0.0014	2.713178	0.338	0.011	3.254438	216	0.8556	0.357135	1.089122	210.3693	7.435999
TS16_15_8_46	0.0508	0.0011	2.165354	0.3211	0.0077	2.398007	216	0.8556	0.336145	0.780741	213.8126	5.801134
TS16_15_9_46	0.05041	0.00079	1.567149	0.3122	0.0089	2.850737	216	0.8556	0.325091	0.91461	215.6727	5.2807
TS16_15_10_46	0.05073	0.00081	1.596688	0.307	0.0075	2.442997	216	0.8556	0.318632	0.777046	219.0608	4.962955
TS16_15_11_46	0.04957	0.00083	1.6744	0.2938	0.0049	1.667801	216	0.8556	0.302238	0.518843	219.1997	4.390717
TS16_15_12_46	0.0486	0.001	2.057613	0.3016	0.0091	3.017241	216	0.8556	0.311925	0.951067	212.0449	6.037729
TS16_15_13_46	0.0492	0.0013	2.642276	0.298	0.01	3.355705	216	0.8556	0.307454	1.051371	215.9911	7.41301
TS16_15_1_47	0.0959	0.0033	3.441084	0.54	0.018	3.333333	216	0.8556	0.608021	1.505418	237.8822	11.07042
TS16_15_2_47	0.1029	0.004	3.887269	0.574	0.012	2.090592	216	0.8556	0.650249	0.989122	227.9249	10.11127
TS16_15_3_47	0.1063	0.0024	2.257761	0.592	0.018	3.040541	216	0.8556	0.672606	1.4739	220.5326	8.324866
TS16_15_4_47	0.1058	0.0022	2.079395	0.601	0.018	2.995008	216	0.8556	0.683784	1.469413	212.14	7.759594
TS16_15_5_47	0.1067	0.003	2.811621	0.589	0.016	2.716469	216	0.8556	0.66888	1.311515	223.8243	8.751686
TS16_15_6_47	0.1099	0.0029	2.638763	0.603	0.016	2.6534	216	0.8556	0.686268	1.30529	218.5211	8.245053
TS16_15_7_47	0.1097	0.0025	2.278943	0.632	0.015	2.373418	216	0.8556	0.722286	1.213203	193.4592	6.534199
TS16_15_8_47	0.1105	0.0032	2.895928	0.627	0.011	1.754386	216	0.8556	0.716076	0.890906	199.1394	6.873111
TS16_15_9_47	0.1179	0.0048	4.071247	0.626	0.028	4.472843	216	0.8556	0.714834	2.268396	213.1715	13.19801
TS16_15_10_47	0.1181	0.0048	4.064352	0.616	0.029	4.707792	216	0.8556	0.702414	2.356244	222.6684	14.08349
TS16_15_11_4	0.1158	0.0037	3.195164	0.621	0.021	3.381643	216	0.8556	0.708624	1.703729	213.9216	10.1523

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TS16_15_12_47	0.1133	0.0032	2.82436	0.631	0.021	3.328051	216	0.8556	0.721044	1.698945	200.59	8.996016
TS16_15_13_47	0.118	0.0044	3.728814	0.642	0.023	3.582555	216	0.8556	0.734706	1.855389	198.7086	10.60731
TS16_15_1_48	0.0574	0.0023	4.006969	0.35	0.016	4.571429	216	0.8556	0.372039	1.559584	228.2711	11.78825
TS16_15_2_48	0.0561	0.0019	3.386809	0.337	0.015	4.451039	216	0.8556	0.355893	1.487171	228.8277	10.49102
TS16_15_3_48	0.0576	0.0017	2.951389	0.323	0.01	3.095975	216	0.8556	0.338504	1.011131	241.0584	8.781745
TS16_15_4_48	0.0547	0.0019	3.473492	0.3333	0.0091	2.730273	216	0.8556	0.351297	0.906789	224.78	8.957015
TS16_15_5_48	0.0512	0.0015	2.929688	0.334	0.013	3.892216	216	0.8556	0.352167	1.294164	210.352	8.353482
TS16_15_6_48	0.0505	0.0016	3.168317	0.317	0.01	3.154574	216	0.8556	0.331052	1.020157	214.1743	8.201374
TS16_15_7_48	0.05	0.0016	3.2	0.305	0.011	3.606557	216	0.8556	0.316148	1.143317	216.735	8.663337
TS16_15_8_48	0.0494	0.0016	3.238866	0.289	0.011	3.806228	216	0.8556	0.296276	1.174486	220.2956	8.960106
TS16_15_9_48	0.0519	0.0016	3.082852	0.2635	0.0095	3.605313	216	0.8556	0.264605	1.064517	241.4612	9.211484
TS16_15_10_48	0.0506	0.0018	3.557312	0.2589	0.0095	3.66937	216	0.8556	0.258891	1.074694	237.3187	10.03952
TS16_15_11_48	0.0468	0.0017	3.632479	0.245	0.0067	2.734694	216	0.8556	0.241627	0.781369	224.8285	9.041063
TS16_15_12_48	0.0472	0.0018	3.813559	0.2185	0.0075	3.432494	216	0.8556	0.208714	0.934496	236.3779	10.21701
TS16_15_13_48	0.0471	0.0011	2.335456	0.2145	0.0073	3.403263	216	0.8556	0.203746	0.919694	237.3402	7.183208
TS16_15_1_49	0.0808	0.0037	4.579208	0.514	0.019	3.696498	216	0.8556	0.575729	1.610061	217.2868	12.35932
TS16_15_2_49	0.0887	0.0026	2.931229	0.515	0.016	3.106796	216	0.8556	0.576971	1.355108	237.4591	9.649295
TS16_15_3_49	0.0911	0.0025	2.744237	0.529	0.015	2.835539	216	0.8556	0.594359	1.26122	233.9241	8.873319
TS16_15_4_49	0.0975	0.0039	4	0.543	0.019	3.499079	216	0.8556	0.611747	1.586832	239.5214	12.4482
TS16_15_5_49	0.1022	0.004	3.913894	0.56	0.023	4.107143	216	0.8556	0.632861	1.906558	237.4522	13.20347
TS16_15_6_49	0.142	0.02	14.08451	0.604	0.032	5.298013	216	0.8556	0.68751	2.609733	279.8858	42.82376
TS16_15_7_49	0.123	0.011	8.943089	0.6	0.025	4.166667	216	0.8556	0.682542	2.041527	246.9254	24.69898
TS16_15_8_49	0.1026	0.0045	4.385965	0.573	0.021	3.664921	216	0.8556	0.649007	1.731636	228.0649	12.96043
TS16_15_9_49	0.0961	0.0022	2.289282	0.567	0.019	3.35097	216	0.8556	0.641555	1.57045	218.3177	8.624797
TS16_15_10_49	0.1087	0.0063	5.795768	0.588	0.023	3.911565	216	0.8556	0.667638	1.885973	228.7864	16.0848
TS16_15_11_49	0.1213	0.0061	5.028854	0.6	0.023	3.833333	216	0.8556	0.682542	1.878204	243.5763	15.56286
TS16_15_12_49	0.1182	0.0061	5.160745	0.598	0.023	3.846154	216	0.8556	0.680058	1.879458	239.2886	15.54588
TS16_15_13_49	0.1027	0.0052	5.063291	0.583	0.024	4.116638	216	0.8556	0.661428	1.971537	220.3418	14.36893
TS16_15_1_50	0.182	0.03	16.48352	0.669	0.038	5.68012	216	0.8556	0.768241	3.046442	266.3328	47.6082
TS16_15_2_50	0.0955	0.009	9.424084	0.518	0.025	4.826255	216	0.8556	0.580697	2.113965	253.1023	26.60802
TS16_15_3_50	0.0857	0.0065	7.584597	0.502	0.029	5.776892	216	0.8556	0.560825	2.474011	238.1714	21.93456
TS16_15_4_50	0.23	0.1	43.47826	0.613	0.067	10.92985	216	0.8556	0.698688	5.448684	431.9478	197.1992
TS16_15_5_50	0.76	0.21	27.63158	0.774	0.038	4.909561	216	0.8556	0.898652	3.003094	478.3385	138.8965
TS16_15_6_50	0.525	0.061	11.61905	0.782	0.019	2.429668	216	0.8556	0.908588	1.500713	302.1778	37.01955

TS16_15_7_50	0.392	0.05	12.7551	0.752	0.013	1.728723	216	0.8556	0.871328	1.029306	317.2199	41.87419
TS16_15_8_50	0.416	0.053	12.74038	0.749	0.029	3.871829	216	0.8556	0.867602	2.296828	345.6211	47.90734
TS16_15_9_50	0.245	0.022	8.979592	0.723	0.022	3.042877	216	0.8556	0.835309	1.747703	254.9974	25.01519
TS16_15_10_50	0.168	0.019	11.30952	0.643	0.022	3.421462	216	0.8556	0.735948	1.774274	279.8061	33.80738
TS16_15_11_50	0.105	0.013	12.38095	0.551	0.041	7.441016	216	0.8556	0.621683	3.411855	251.1174	36.09938
TS16_15_12_50	0.0679	0.0044	6.480118	0.432	0.033	7.638889	216	0.8556	0.473884	2.955984	226.2693	20.16859
TS16_15_13_50	0.0592	0.0071	11.99324	0.372	0.046	12.36559	216	0.8556	0.399363	4.367576	225.2386	33.92026
TS16_15_1_51	0.1199	0.0071	5.921601	0.645	0.022	3.410853	216	0.8556	0.738432	1.77339	199.0668	13.93993
TS16_15_2_51	0.1205	0.0068	5.643154	0.646	0.018	2.786378	216	0.8556	0.739674	1.450597	199.1122	12.81855
TS16_15_3_51	0.1122	0.0047	4.188948	0.633	0.017	2.685624	216	0.8556	0.723528	1.374594	196.9299	10.01169
TS16_15_4_51	0.1132	0.0041	3.621908	0.633	0.016	2.527646	216	0.8556	0.723528	1.293735	198.6583	8.974098
TS16_15_5_51	0.175	0.067	38.28571	0.697	0.035	5.021521	216	0.8556	0.803017	2.791258	218.4767	85.41028
TS16_15_6_51	0.23	0.092	40	0.695	0.042	6.043165	216	0.8556	0.800533	3.350637	289.1616	118.8444
TS16_15_7_51	0.0952	0.0035	3.676471	0.606	0.028	4.620462	216	0.8556	0.689994	2.282049	187.497	11.14031
TS16_15_8_51	0.0934	0.0036	3.85439	0.594	0.024	4.040404	216	0.8556	0.67509	1.963841	192.7173	10.75637
TS16_15_9_51	0.085	0.0033	3.882353	0.602	0.028	4.651163	216	0.8556	0.685026	2.285003	170.3187	10.34092
TS16_15_10_51	0.0815	0.0027	3.312883	0.574	0.027	4.703833	216	0.8556	0.650249	2.225524	181.1827	10.18767
TS16_15_11_51	0.0827	0.0033	3.990326	0.561	0.022	3.921569	216	0.8556	0.634103	1.822901	192.1732	10.53482
TS16_15_12_51	0.0833	0.0037	4.441777	0.572	0.025	4.370629	216	0.8556	0.647765	2.062277	186.4234	11.45478
TS16_15_13_51	0.0878	0.0038	4.328018	0.568	0.025	4.401408	216	0.8556	0.642797	2.065551	199.0694	12.08504
TS16_15_1_52	0.1131	0.0056	4.95137	0.577	0.026	4.506066	216	0.8556	0.653975	2.14063	247.4714	16.49238
TS16_15_2_52	0.1134	0.006	5.291005	0.553	0.021	3.797468	216	0.8556	0.624167	1.746	269.0491	17.39372
TS16_15_3_52	0.1192	0.008	6.711409	0.595	0.029	4.87395	216	0.8556	0.676332	2.372161	244.033	20.40915
TS16_15_4_52	0.167	0.018	10.77844	0.674	0.02	2.967359	216	0.8556	0.774451	1.601752	238.3541	27.24556
TS16_15_5_52	0.293	0.065	22.1843	0.732	0.033	4.508197	216	0.8556	0.846487	2.618567	283.6229	65.75603
TS16_15_6_52	0.24	0.081	33.75	0.671	0.044	6.557377	216	0.8556	0.770725	3.526	345.3054	121.1581
TS16_15_7_52	0.1042	0.0025	2.399232	0.596	0.019	3.187919	216	0.8556	0.677574	1.553645	213.0203	8.496763
TS16_15_8_52	0.1072	0.0026	2.425373	0.598	0.032	5.351171	216	0.8556	0.680058	2.614898	217.3909	12.73332
TS16_15_9_52	0.1237	0.007	5.658852	0.615	0.021	3.414634	216	0.8556	0.701172	1.706759	233.9933	15.72876
TS16_15_10_52	0.1256	0.0075	5.971338	0.62	0.026	4.193548	216	0.8556	0.707382	2.109994	232.6739	17.30061
TS16_15_11_52	0.1326	0.0057	4.298643	0.656	0.028	4.268293	216	0.8556	0.752094	2.251135	208.4999	13.1775
TS16_15_12_52	0.121	0.0065	5.371901	0.633	0.026	4.107425	216	0.8556	0.723528	2.10232	212.1239	14.69452
TS16_15_13_52	0.1175	0.0045	3.829787	0.624	0.019	3.044872	216	0.8556	0.71235	1.54014	214.2804	10.69959
TS16_15_1_53	0.0836	0.0049	5.861244	0.508	0.018	3.543307	216	0.8556	0.568277	1.530366	228.5642	15.3661

TS16_15_2_53	0.0829	0.003	3.618818	0.533	0.014	2.626642	216	0.8556	0.599327	1.174815	210.6435	9.232135
TS16_15_3_53	0.0885	0.0017	1.920904	0.549	0.015	2.73224	216	0.8556	0.619199	1.24935	213.6693	6.843484
TS16_15_4_53	0.0893	0.002	2.239642	0.559	0.017	3.041145	216	0.8556	0.631619	1.409789	208.6504	7.63155
TS16_15_5_53	0.0883	0.0031	3.510759	0.543	0.017	3.130755	216	0.8556	0.611747	1.419797	217.2969	9.971322
TS16_15_6_53	0.0826	0.0023	2.784504	0.526	0.015	2.851711	216	0.8556	0.590633	1.263126	214.373	8.190107
TS16_15_7_53	0.0818	0.0025	3.056235	0.522	0.015	2.873563	216	0.8556	0.585665	1.265721	214.8649	8.664726
TS16_15_8_53	0.0849	0.0028	3.297998	0.527	0.025	4.743833	216	0.8556	0.591875	2.104145	219.5844	11.93157
TS16_15_9_53	0.0859	0.0023	2.677532	0.504	0.021	4.166667	216	0.8556	0.563309	1.789469	237.3914	10.79936
TS16_15_10_53	0.0854	0.0024	2.810304	0.514	0.018	3.501946	216	0.8556	0.575729	1.52532	229.4395	9.680797
TS16_15_11_53	0.0858	0.0021	2.447552	0.527	0.012	2.27704	216	0.8556	0.591875	1.00999	221.8726	7.159625
TS16_15_12_53	0.0855	0.0026	3.040936	0.514	0.015	2.918288	216	0.8556	0.575729	1.2711	229.7034	9.262006
TS16_15_13_53	0.087	0.0026	2.988506	0.51	0.014	2.745098	216	0.8556	0.570761	1.188961	236.3477	9.187362
TS16_15_1_54	0.1263	0.0053	4.196358	0.605	0.021	3.471074	216	0.8556	0.688752	1.712085	248.5586	13.71055
TS16_15_2_54	0.093	0.008	8.602151	0.512	0.029	5.664063	216	0.8556	0.573245	2.460138	250.9003	25.30444
TS16_15_3_54	0.0685	0.0045	6.569343	0.426	0.022	5.164319	216	0.8556	0.466432	1.980644	231.4091	18.04915
TS16_15_4_54	0.0657	0.0074	11.26332	0.443	0.033	7.44921	216	0.8556	0.487546	2.929861	213.4657	27.49747
TS16_15_5_54	0.0862	0.0065	7.540603	0.512	0.014	2.734375	216	0.8556	0.573245	1.187653	232.8821	18.72075
TS16_15_6_54	0.0871	0.0066	7.577497	0.513	0.013	2.534113	216	0.8556	0.574487	1.102219	234.5974	18.82706
TS16_15_7_54	0.0946	0.0048	5.073996	0.507	0.012	2.366864	216	0.8556	0.567035	1.020816	258.7716	14.42486
TS16_15_8_54	0.0774	0.0069	8.914729	0.458	0.034	7.423581	216	0.8556	0.506176	2.984646	241.8025	26.38087
TS16_15_9_54	0.0508	0.0035	6.889764	0.286	0.029	10.13986	216	0.8556	0.29255	3.112884	227.6083	21.47735
TS16_15_10_54	0.04403	0.00072	1.635249	0.2234	0.0076	3.40197	216	0.8556	0.2148	0.934596	219.1017	5.532611
TS16_15_11_54	0.04243	0.00061	1.437662	0.1984	0.0063	3.175403	216	0.8556	0.18375	0.832666	219.4827	4.909994
TS16_15_12_54	0.04099	0.00065	1.585753	0.1825	0.0045	2.465753	216	0.8556	0.164002	0.627458	217.2023	4.465624
TS16_15_13_54	0.04059	0.00055	1.355014	0.1715	0.0046	2.682216	216	0.8556	0.15034	0.668509	218.5743	4.230727
TS16_15_1_55	0.1261	0.0092	7.295797	0.629	0.02	3.17965	216	0.8556	0.71856	1.61893	224.8144	18.23545
TS16_15_2_55	0.1253	0.008	6.384677	0.614	0.017	2.76873	216	0.8556	0.69993	1.382081	237.9319	16.84102
TS16_15_3_55	0.158	0.0075	4.746835	0.636	0.028	4.402516	216	0.8556	0.727254	2.262232	271.9816	18.1916
TS16_15_4_55	0.192	0.0091	4.739583	0.7	0.012	1.714286	216	0.8556	0.806743	0.956529	234.8656	12.21402
TS16_15_5_55	0.242	0.018	7.438017	0.705	0.027	3.829787	216	0.8556	0.812953	2.150477	285.3879	25.02274
TS16_15_6_55	0.2852	0.009	3.15568	0.697	0.025	3.586801	216	0.8556	0.803017	1.993755	352.3496	18.3899
TS16_15_7_55	0.257	0.017	6.614786	0.701	0.022	3.138374	216	0.8556	0.807985	1.753353	310.5166	23.77292
TS16_15_8_55	0.184	0.016	8.695652	0.668	0.021	3.143713	216	0.8556	0.766999	1.683912	270.6121	25.72049
TS16_15_9_55	0.1279	0.0094	7.349492	0.611	0.033	5.400982	216	0.8556	0.696204	2.685332	245.7351	22.7601
TS16_15_10_55	0.0999	0.0068	6.806807	0.555	0.02	3.603604	216	0.8556	0.626651	1.661412	236.0601	18.18622

TS16_15_11_55	0.0848	0.0029	3.419811	0.535	0.017	3.17757	216	0.8556	0.601811	1.425176	214.0781	9.68333
TS16_15_12_55	0.0824	0.0018	2.184466	0.494	0.018	3.643725	216	0.8556	0.550888	1.542856	234.2529	9.012919
TS16_15_13_55	0.0792	0.0023	2.90404	0.49	0.017	3.469388	216	0.8556	0.54592	1.460694	227.7617	9.542645
TS16_15_1_56	0.0805	0.0032	3.975155	0.525	0.024	4.571429	216	0.8556	0.589391	2.022031	209.6342	12.07172
TS16_15_2_56	0.0883	0.0078	8.833522	0.514	0.02	3.891051	216	0.8556	0.575729	1.694801	237.0892	22.80947
TS16_15_3_56	0.0904	0.0097	10.73009	0.539	0.037	6.864564	216	0.8556	0.606779	3.09593	225.173	28.32606
TS16_15_4_56	0.0657	0.004	6.08828	0.453	0.018	3.97351	216	0.8556	0.499966	1.585931	208.3748	14.52221
TS16_15_5_56	0.0649	0.0044	6.779661	0.463	0.02	4.319654	216	0.8556	0.512386	1.74939	200.8427	15.5452
TS16_15_6_56	0.052	0.0029	5.576923	0.384	0.031	8.072917	216	0.8556	0.414267	2.905007	193.4148	15.79327
TS16_15_7_56	0.0414	0.0026	6.280193	0.26	0.022	8.461538	216	0.8556	0.260258	2.483049	194.4608	15.78724
TS16_15_8_56	0.0328	0.0014	4.268293	0.199	0.012	6.030151	216	0.8556	0.184495	1.583034	170.1665	9.15715
TS16_15_9_56	0.0319	0.001	3.134796	0.1855	0.0081	4.366577	216	0.8556	0.167728	1.117481	168.9164	6.585759
TS16_15_10_56	0.0325	0.0013	4	0.1744	0.0047	2.694954	216	0.8556	0.153941	0.675366	174.8632	7.479256
TS16_15_11_56	0.0244	0.0023	9.42623	0.1603	0.0061	3.805365	216	0.8556	0.136429	0.928782	134.4219	13.03701
TS16_15_12_56	0.0252	0.0036	14.28571	0.1601	0.0051	3.185509	216	0.8556	0.136181	0.777205	138.8216	20.13358
TS16_15_13_56	0.0287	0.0041	14.28571	0.1578	0.0071	4.499366	216	0.8556	0.133324	1.093108	158.3838	23.13163
TS16_15_1_57	0.086	0.0032	3.72093	0.499	0.019	3.807615	216	0.8556	0.557099	1.623737	240.9801	12.1153
TS16_15_2_57	0.0885	0.003	3.389831	0.506	0.02	3.952569	216	0.8556	0.565793	1.70232	243.0776	11.89049
TS16_15_3_57	0.0893	0.0022	2.463606	0.542	0.013	2.398524	216	0.8556	0.610505	1.086231	220.4073	7.360596
TS16_15_4_57	0.0895	0.0019	2.122905	0.523	0.013	2.48566	216	0.8556	0.586907	1.096391	234.0356	7.270031
TS16_15_5_57	0.0874	0.0021	2.402746	0.507	0.012	2.366864	216	0.8556	0.567035	1.020816	239.4376	7.686856
TS16_15_6_57	0.0872	0.0015	1.720183	0.5012	0.0095	1.895451	216	0.8556	0.559831	0.810827	242.8006	5.846774
TS16_15_7_57	0.0862	0.0016	1.856148	0.521	0.013	2.495202	216	0.8556	0.584423	1.097529	226.8883	6.634948
TS16_15_8_57	0.0866	0.0022	2.540416	0.522	0.017	3.256705	216	0.8556	0.585665	1.434484	227.2534	8.85772
TS16_15_9_57	0.0878	0.0028	3.189066	0.52	0.021	4.038462	216	0.8556	0.583181	1.773859	231.7033	11.24434
TS16_15_10_57	0.0885	0.003	3.389831	0.519	0.019	3.660886	216	0.8556	0.581939	1.605764	234.2008	11.12764
TS16_15_11_57	0.0892	0.0033	3.699552	0.528	0.019	3.598485	216	0.8556	0.593117	1.598345	229.8202	11.42922
TS16_15_12_57	0.0905	0.0036	3.977901	0.542	0.023	4.243542	216	0.8556	0.610505	1.921793	223.3184	12.55694
TS16_15_13_57	0.0908	0.0024	2.643172	0.55	0.014	2.545455	216	0.8556	0.620441	1.16554	218.4262	7.825021
TS16_15_1_58	0.0563	0.0017	3.019538	0.337	0.014	4.154303	216	0.8556	0.355893	1.388027	229.6291	9.581375
TS16_15_2_58	0.0585	0.0016	2.735043	0.336	0.014	4.166667	216	0.8556	0.354651	1.38991	238.8896	9.483826
TS16_15_3_58	0.0607	0.0015	2.47117	0.346	0.011	3.179191	216	0.8556	0.367071	1.077703	243.0245	8.116009
TS16_15_4_58	0.0627	0.0017	2.711324	0.354	0.013	3.672316	216	0.8556	0.377007	1.260841	247.0142	9.317006
TS16_15_5_58	0.061	0.002	3.278689	0.356	0.013	3.651685	216	0.8556	0.379491	1.257741	239.499	10.07554
TS16_15_6_58	0.0591	0.0015	2.538071	0.3681	0.0097	2.635153	216	0.8556	0.394519	0.925088	226.6466	7.241186

TS16_15_7_58	0.0579	0.0021	3.626943	0.355	0.012	3.380282	216	0.8556	0.378249	1.162418	227.9875	9.989894
TS16_15_8_58	0.0588	0.0022	3.741497	0.354	0.014	3.954802	216	0.8556	0.377007	1.357828	231.9226	10.90812
TS16_15_9_58	0.0593	0.0016	2.698145	0.361	0.012	3.3241	216	0.8556	0.385701	1.153996	230.6535	8.332491
TS16_15_10_58	0.0589	0.0017	2.886248	0.364	0.011	3.021978	216	0.8556	0.389427	1.05408	227.7595	8.28073
TS16_15_11_58	0.0586	0.001	1.706485	0.3773	0.0077	2.040816	216	0.8556	0.405946	0.726798	220.5922	5.028541
TS16_15_12_58	0.0627	0.0017	2.711324	0.392	0.013	3.316327	216	0.8556	0.424203	1.20815	228.6288	8.446741
TS16_15_13_58	0.061	0.002	3.278689	0.376	0.011	2.925532	216	0.8556	0.404331	1.03977	230.0804	9.087934
TS16_15_1_59	0.1341	0.0051	3.803132	0.691	0.016	2.315485	216	0.8556	0.795565	1.277315	174.3478	8.091624
TS16_15_2_59	0.1406	0.0052	3.698435	0.691	0.024	3.473227	216	0.8556	0.795565	1.915972	182.68	9.860459
TS16_15_3_59	0.1412	0.0069	4.886686	0.71	0.03	4.225352	216	0.8556	0.819163	2.387596	162.5375	11.23665
TS16_15_4_59	0.152	0.0092	6.052632	0.701	0.031	4.422254	216	0.8556	0.807985	2.470633	185.4535	14.68408
TS16_15_5_59	0.1721	0.0078	4.532249	0.674	0.03	4.451039	216	0.8556	0.774451	2.402628	245.4963	16.50768
TS16_15_6_59	0.1577	0.0055	3.487635	0.671	0.03	4.470939	216	0.8556	0.770725	2.404091	228.9664	13.82991
TS16_15_7_59	0.1346	0.006	4.457652	0.675	0.03	4.444444	216	0.8556	0.775693	2.402148	191.7484	12.74292
TS16_15_8_59	0.1293	0.0054	4.176334	0.648	0.025	3.858025	216	0.8556	0.742158	2.013735	211.4117	12.45724
TS16_15_9_59	0.1282	0.0048	3.74415	0.658	0.018	2.735562	216	0.8556	0.754578	1.4465	199.6985	9.58969
TS16_15_10_59	0.151	0.011	7.284768	0.697	0.033	4.734577	216	0.8556	0.803017	2.631757	188.9487	17.2098
TS16_15_11_59	0.1681	0.0093	5.532421	0.723	0.033	4.564315	216	0.8556	0.835309	2.621555	176.0402	13.58869
TS16_15_12_59	0.1531	0.0055	3.592423	0.711	0.029	4.078762	216	0.8556	0.820405	2.307667	174.8574	10.35845
TS16_15_13_59	0.152	0.012	7.894737	0.724	0.031	4.281768	216	0.8556	0.836551	2.462349	158.199	14.88502
TS16_15_1_60	0.0764	0.0027	3.534031	0.459	0.0097	2.11329	216	0.8556	0.507418	0.850885	238.1461	9.508766
TS16_15_2_60	0.0737	0.0028	3.799186	0.458	0.013	2.838428	216	0.8556	0.506176	1.141188	230.4476	10.38992
TS16_15_3_60	0.0738	0.0028	3.794038	0.463	0.013	2.807775	216	0.8556	0.512386	1.137104	227.9036	10.25332
TS16_15_4_60	0.079	0.0022	2.78481	0.459	0.017	3.703704	216	0.8556	0.507418	1.491242	246.0977	10.22801
TS16_15_5_60	0.0783	0.0018	2.298851	0.461	0.02	4.338395	216	0.8556	0.509902	1.751882	242.7505	10.35832
TS16_15_6_60	0.078	0.0021	2.692308	0.466	0.016	3.433476	216	0.8556	0.516112	1.396566	238.8294	9.432126
TS16_15_7_60	0.0763	0.0026	3.407602	0.49	0.019	3.877551	216	0.8556	0.54592	1.632541	219.5623	10.53185
TS16_15_8_60	0.0778	0.0027	3.470437	0.499	0.021	4.208417	216	0.8556	0.557099	1.794656	218.3875	11.08071
TS16_15_9_60	0.075	0.0016	2.133333	0.508	0.016	3.149606	216	0.8556	0.568277	1.360325	205.422	7.212427
TS16_15_10_60	0.0753	0.0015	1.992032	0.517	0.015	2.901354	216	0.8556	0.579455	1.269053	200.9734	6.583142
TS16_15_11_60	0.0772	0.0025	3.238342	0.516	0.018	3.488372	216	0.8556	0.578213	1.523678	206.5629	9.327251
TS16_15_12_60	0.0871	0.0046	5.281286	0.533	0.02	3.752345	216	0.8556	0.599327	1.678307	221.1344	14.06267
TS16_15_13_60	0.095	0.0045	4.736842	0.566	0.024	4.240283	216	0.8556	0.640313	1.98453	216.5956	13.59844
TS16_15_1_61	0.0724	0.0015	2.071823	0.445	0.015	3.370787	216	0.8556	0.49003	1.329678	233.7248	8.01879

TS16_15_2_61	0.0702	0.002	2.849003	0.454	0.013	2.863436	216	0.8556	0.501208	1.144543	221.8605	8.244176
TS16_15_3_61	0.069	0.0016	2.318841	0.46	0.01	2.173913	216	0.8556	0.50866	0.876569	214.9263	6.350049
TS16_15_4_61	0.072	0.0017	2.361111	0.4534	0.0098	2.161447	216	0.8556	0.500463	0.863194	227.7839	6.778083
TS16_15_5_61	0.0727	0.002	2.751032	0.477	0.013	2.725367	216	0.8556	0.529774	1.126284	216.6903	7.830819
TS16_15_6_61	0.0733	0.002	2.728513	0.4968	0.0089	1.791465	216	0.8556	0.554366	0.761581	207.2058	6.576739
TS16_15_7_61	0.0745	0.0022	2.95302	0.505	0.012	2.376238	216	0.8556	0.564551	1.021971	205.8075	7.506214
TS16_15_8_61	0.0756	0.0021	2.777778	0.495	0.015	3.030303	216	0.8556	0.55213	1.284941	214.6549	8.254489
TS16_15_9_61	0.0764	0.0018	2.356021	0.4975	0.0094	1.889447	216	0.8556	0.555235	0.804032	215.4098	6.245334
TS16_15_10_61	0.0777	0.0025	3.217503	0.511	0.024	4.696673	216	0.8556	0.572003	2.037095	210.8905	11.11977
TS16_15_11_61	0.0773	0.0023	2.97542	0.515	0.016	3.106796	216	0.8556	0.576971	1.355108	207.4256	8.478491
TS16_15_12_61	0.0816	0.0024	2.941176	0.521	0.019	3.646833	216	0.8556	0.584423	1.604081	214.9802	9.507409
TS16_15_13_61	0.0822	0.0023	2.798054	0.539	0.024	4.45269	216	0.8556	0.606779	2.008171	205.0693	10.19126
TS16_15_1_62	0.0863	0.0059	6.836616	0.52	0.02	3.846154	216	0.8556	0.583181	1.68939	227.8139	17.65945
TS16_15_2_62	0.0759	0.0032	4.216074	0.482	0.012	2.489627	216	0.8556	0.535984	1.036274	223.1284	10.65717
TS16_15_3_62	0.074	0.0025	3.378378	0.459	0.012	2.614379	216	0.8556	0.507418	1.052642	230.7974	9.346923
TS16_15_4_62	0.0715	0.0021	2.937063	0.445	0.014	3.146067	216	0.8556	0.49003	1.241032	230.8707	9.032428
TS16_15_5_62	0.0715	0.0023	3.216783	0.478	0.023	4.811715	216	0.8556	0.531016	1.991348	212.6181	11.05705
TS16_15_6_62	0.0739	0.0021	2.841678	0.476	0.023	4.831933	216	0.8556	0.528532	1.993972	220.7784	10.98901
TS16_15_7_62	0.0689	0.0024	3.483309	0.469	0.015	3.198294	216	0.8556	0.519838	1.306567	209.8158	9.280117
TS16_15_8_62	0.0648	0.0022	3.395062	0.455	0.016	3.516484	216	0.8556	0.50245	1.407627	204.5602	9.160193
TS16_15_9_62	0.0625	0.0015	2.4	0.42	0.017	4.047619	216	0.8556	0.45898	1.538497	214.3733	8.500518
TS16_15_10_62	0.0584	0.0021	3.59589	0.376	0.014	3.723404	216	0.8556	0.404331	1.323343	220.4395	10.00486
TS16_15_11_62	0.053	0.0017	3.207547	0.329	0.016	4.863222	216	0.8556	0.345956	1.603948	219.6747	10.12911
TS16_15_12_62	0.051	0.0014	2.745098	0.31	0.013	4.193548	216	0.8556	0.322358	1.340524	219.0231	8.542943
TS16_15_13_62	0.0481	0.0012	2.494802	0.3	0.012	4	216	0.8556	0.309938	1.25746	210.4949	7.575273
TS16_15_1_63	0.046	0.0018	3.913043	0.271	0.018	6.642066	216	0.8556	0.27392	1.98703	211.7907	11.99698
TS16_15_2_63	0.0463	0.0011	2.37581	0.2244	0.0077	3.431373	216	0.8556	0.216042	0.944409	229.8406	7.097941
TS16_15_3_63	0.04612	0.00074	1.60451	0.2269	0.0069	3.040987	216	0.8556	0.219147	0.840814	228.0718	5.393684
TS16_15_4_63	0.04611	0.00071	1.539796	0.2326	0.0069	2.966466	216	0.8556	0.226227	0.828798	225.9917	5.201484
TS16_15_5_63	0.04651	0.00093	1.99957	0.2277	0.0043	1.88845	216	0.8556	0.220141	0.522911	229.6789	5.274099
TS16_15_6_63	0.0475	0.0011	2.315789	0.2293	0.0063	2.747492	216	0.8556	0.222128	0.76301	233.8932	6.60247
TS16_15_7_63	0.04744	0.00085	1.791737	0.2393	0.0066	2.758044	216	0.8556	0.234548	0.779991	229.9388	5.558812
TS16_15_8_63	0.04643	0.00032	0.68921	0.248	0.01	4.032258	216	0.8556	0.245354	1.158325	222.004	5.456985
TS16_15_9_63	0.04698	0.00094	2.000851	0.248	0.0072	2.903226	216	0.8556	0.245354	0.833994	224.5885	5.9507

TS16_15_10_63	0.0469	0.0011	2.345416	0.2465	0.006	2.434077	216	0.8556	0.24349	0.697349	224.7566	6.23823
TS16_15_11_63	0.048	0.0012	2.5	0.2507	0.005	1.994416	216	0.8556	0.248707	0.575694	228.3775	6.395354
TS16_15_12_63	0.0479	0.00075	1.565762	0.2613	0.006	2.296211	216	0.8556	0.261872	0.675371	223.9848	4.711413
TS16_15_13_63	0.04807	0.00093	1.934679	0.2685	0.0081	3.01676	216	0.8556	0.270815	0.898567	222.0893	5.963881
TS16_15_1_64	0.04508	0.00098	2.173913	0.2192	0.0099	4.516423	216	0.8556	0.209584	1.231187	225.7008	7.54047
TS16_15_2_64	0.042	0.0012	2.857143	0.1997	0.0052	2.603906	216	0.8556	0.185364	0.684477	216.8728	6.983998
TS16_15_3_64	0.0409	0.00072	1.760391	0.195	0.0069	3.538462	216	0.8556	0.179527	0.921946	212.7742	5.512398
TS16_15_4_64	0.03864	0.00092	2.380952	0.1671	0.0079	4.727708	216	0.8556	0.144875	1.168622	209.5593	7.102733
TS16_15_5_64	0.03751	0.00074	1.972807	0.1509	0.0045	2.982107	216	0.8556	0.124754	0.715437	208.2389	5.15575
TS16_15_6_64	0.03697	0.00092	2.488504	0.1496	0.0037	2.473262	216	0.8556	0.12314	0.591976	205.661	5.756398
TS16_15_7_64	0.03686	0.00081	2.197504	0.1538	0.0039	2.535761	216	0.8556	0.128356	0.611558	203.8579	5.206776
TS16_15_8_64	0.03737	0.00082	2.194273	0.1601	0.0027	1.686446	216	0.8556	0.136181	0.411461	204.808	4.874912
TS16_15_9_64	0.03718	0.00043	1.156536	0.1613	0.0028	1.735896	216	0.8556	0.137671	0.42447	203.4369	2.964505
TS16_15_10_64	0.0376	0.00085	2.260638	0.1645	0.0053	3.221884	216	0.8556	0.141646	0.79254	204.7656	5.741709
TS16_15_11_64	0.03766	0.00094	2.496017	0.1761	0.0046	2.612152	216	0.8556	0.156053	0.656719	201.6981	5.776241
TS16_15_12_64	0.03761	0.00076	2.020739	0.1808	0.0053	2.931416	216	0.8556	0.16189	0.74356	200.0626	5.09619
TS16_15_13_64	0.03821	0.00082	2.146035	0.1817	0.0053	2.916896	216	0.8556	0.163008	0.741138	202.9376	5.374933
TS16_15_1_65	0.1842	0.0071	3.854506	0.681	0.018	2.643172	216	0.8556	0.783145	1.439607	252.4905	12.37682
TS16_15_2_65	0.203	0.01	4.926108	0.667	0.019	2.848576	216	0.8556	0.765757	1.52386	299.4712	17.73225
TS16_15_3_65	0.2356	0.0082	3.480475	0.708	0.023	3.248588	216	0.8556	0.816679	1.831042	272.5784	14.05114
TS16_15_4_65	0.215	0.011	5.116279	0.688	0.024	3.488372	216	0.8556	0.791839	1.916994	282.2374	18.41912
TS16_15_5_65	0.1809	0.0068	3.758983	0.655	0.016	2.442748	216	0.8556	0.750852	1.286659	284.1878	13.222
TS16_15_6_65	0.1758	0.0048	2.730375	0.648	0.015	2.314815	216	0.8556	0.742158	1.208241	285.7776	10.64547
TS16_15_7_65	0.1736	0.0052	2.995392	0.651	0.02	3.072197	216	0.8556	0.745884	1.609829	278.2861	12.49369
TS16_15_8_65	0.182	0.0075	4.120879	0.682	0.021	3.079179	216	0.8556	0.784387	1.679224	248.1304	13.43399
TS16_15_9_65	0.1759	0.0046	2.615122	0.683	0.022	3.221083	216	0.8556	0.785629	1.758857	238.6098	10.64612
TS16_15_10_65	0.197	0.016	8.121827	0.679	0.024	3.53461	216	0.8556	0.780661	1.920212	272.6985	24.97646
TS16_15_11_65	0.2274	0.0091	4.001759	0.707	0.02	2.828854	216	0.8556	0.815437	1.592453	265.0301	13.82252
TS16_15_12_65	0.2351	0.008	3.402807	0.724	0.025	3.453039	216	0.8556	0.836551	1.985765	243.0742	12.94232
TS16_15_13_65	0.2382	0.0086	3.610411	0.735	0.025	3.401361	216	0.8556	0.850213	1.983053	225.9947	12.32397
TS16_15_1_66	0.198	0.013	6.565657	0.774	0.031	4.005168	216	0.8556	0.898652	2.449893	128.079	10.589
TS16_15_2_66	0.178	0.0085	4.775281	0.713	0.035	4.908836	216	0.8556	0.822889	2.784298	200.0903	14.891

TS16_15_3_66	0.1648	0.0052	3.15534	0.667	0.028	4.197901	216	0.8556	0.765757	2.245689	244.1699	13.64498
TS16_15_4_66	0.1612	0.0053	3.287841	0.656	0.028	4.268293	216	0.8556	0.752094	2.251135	252.5998	14.34594
TS16_15_5_66	0.1383	0.0082	5.92914	0.656	0.025	3.810976	216	0.8556	0.752094	2.009942	217.3131	15.81294
TS16_15_6_66	0.1184	0.0059	4.983108	0.617	0.023	3.727715	216	0.8556	0.703656	1.868187	222.3085	14.07221
TS16_15_7_66	0.1035	0.003	2.898551	0.599	0.014	2.337229	216	0.8556	0.6813	1.143635	209.2063	7.846493
TS16_15_8_66	0.1007	0.0028	2.780536	0.593	0.021	3.541315	216	0.8556	0.673848	1.718953	208.3205	9.354766
TS16_15_9_66	0.0936	0.0022	2.350427	0.576	0.021	3.645833	216	0.8556	0.652733	1.72963	206.2019	8.75728
TS16_15_10_66	0.0932	0.0028	3.004292	0.577	0.02	3.466205	216	0.8556	0.653975	1.646638	204.6117	9.260698
TS16_15_11_66	0.0926	0.0037	3.99568	0.555	0.026	4.684685	216	0.8556	0.626651	2.159836	219.1002	13.1008
TS16_15_12_66	0.0879	0.0026	2.957907	0.544	0.027	4.963235	216	0.8556	0.612989	2.253933	215.6483	11.81287
TS16_15_13_66	0.0871	0.0027	3.099885	0.519	0.015	2.890173	216	0.8556	0.581939	1.267709	230.5614	9.393553
TS16_15_1_67	0.073	0.011	15.06849	0.483	0.045	9.31677	216	0.8556	0.537226	3.883541	214.1781	36.81312
TS16_15_2_67	0.0546	0.0026	4.761905	0.392	0.016	4.081633	216	0.8556	0.424203	1.486954	199.5451	11.36813
TS16_15_3_67	0.0582	0.0038	6.52921	0.401	0.024	5.985037	216	0.8556	0.435381	2.210558	208.4283	16.68202
TS16_15_4_67	0.0706	0.0039	5.524079	0.45	0.015	3.333333	216	0.8556	0.49624	1.32459	225.2868	14.03085
TS16_15_5_67	0.0924	0.0052	5.627706	0.506	0.031	6.126482	216	0.8556	0.565793	2.638596	253.5815	19.92264
TS16_15_6_67	0.1002	0.0033	3.293413	0.551	0.026	4.718693	216	0.8556	0.621683	2.163615	239.8486	13.27489
TS16_15_7_67	0.1004	0.0034	3.386454	0.592	0.027	4.560811	216	0.8556	0.672606	2.21085	208.4881	11.7908
TS16_15_8_67	0.1164	0.0067	5.756014	0.629	0.022	3.497615	216	0.8556	0.71856	1.780823	207.7966	14.27872
TS16_15_9_67	0.1216	0.0049	4.029605	0.621	0.024	3.864734	216	0.8556	0.708624	1.947119	224.4518	12.78672
TS16_15_10_67	0.139	0.012	8.633094	0.623	0.027	4.333868	216	0.8556	0.711108	2.189245	253.7998	25.00916
TS16_15_11_67	0.1463	0.0098	6.698565	0.67	0.034	5.074627	216	0.8556	0.769483	2.725198	213.8178	18.7473
TS16_15_12_67	0.148	0.013	8.783784	0.644	0.036	5.590062	216	0.8556	0.73719	2.902631	245.9852	26.3459
TS16_15_13_67	0.1785	0.0088	4.929972	0.711	0.037	5.203938	216	0.8556	0.820405	2.944264	203.4138	15.85136
TS16_15_1_68	0.0545	0.0019	3.486239	0.349	0.021	6.017192	216	0.8556	0.370797	2.049548	217.352	11.88442
TS16_15_2_68	0.0582	0.0014	2.405498	0.386	0.01	2.590674	216	0.8556	0.416751	0.935125	215.192	6.66414
TS16_15_3_68	0.0642	0.0028	4.361371	0.425	0.016	3.764706	216	0.8556	0.46519	1.441705	217.6215	11.56186
TS16_15_4_68	0.0734	0.0021	2.861035	0.464	0.017	3.663793	216	0.8556	0.513628	1.485932	226.1224	9.48661
TS16_15_5_68	0.0778	0.0028	3.598972	0.487	0.015	3.080082	216	0.8556	0.542194	1.291248	225.6094	10.16265
TS16_15_6_68	0.0861	0.0031	3.600465	0.524	0.017	3.244275	216	0.8556	0.588149	1.433005	224.6327	10.51099
TS16_15_7_68	0.0912	0.0028	3.070175	0.546	0.012	2.197802	216	0.8556	0.615473	1.000832	222.1947	8.280213
TS16_15_8_68	0.0984	0.0037	3.760163	0.557	0.015	2.692998	216	0.8556	0.629135	1.244989	231.0588	10.6007
TS16_15_9_68	0.1065	0.0034	3.192488	0.562	0.024	4.270463	216	0.8556	0.635345	1.987791	245.6122	12.75216
TS16_15_10_68	0.1068	0.0033	3.089888	0.593	0.022	3.709949	216	0.8556	0.673848	1.800808	220.7261	10.64698
TS16_15_11_68	0.1076	0.0024	2.230483	0.588	0.016	2.721088	216	0.8556	0.667638	1.311981	226.5114	7.934539

TS16_15_12_68	0.1119	0.0049	4.37891	0.585	0.024	4.102564	216	0.8556	0.663912	1.970097	237.991	14.26546
TS16_15_13_68	0.1109	0.0048	4.328224	0.581	0.027	4.64716	216	0.8556	0.658944	2.219619	239.3258	15.09945
TS16_15_1_69	0.0557	0.0015	2.692998	0.338	0.017	5.029586	216	0.8556	0.357135	1.683189	226.794	9.943441
TS16_15_2_69	0.0538	0.0012	2.230483	0.3257	0.0063	1.934295	216	0.8556	0.341858	0.634529	224.3068	5.854899
TS16_15_3_69	0.0586	0.0022	3.754266	0.36	0.016	4.444444	216	0.8556	0.384459	1.540504	228.4312	11.28315
TS16_15_4_69	0.0613	0.0022	3.588907	0.385	0.011	2.857143	216	0.8556	0.415509	1.02972	226.9289	9.550061
TS16_15_5_69	0.0583	0.0012	2.058319	0.376	0.011	2.925532	216	0.8556	0.404331	1.03977	220.0684	6.546927
TS16_15_6_69	0.0647	0.0023	3.554869	0.386	0.015	3.88601	216	0.8556	0.416751	1.402687	238.7856	11.00675
TS16_15_7_69	0.0744	0.0057	7.66129	0.423	0.017	4.018913	216	0.8556	0.462706	1.534462	252.6762	21.2327
TS16_15_8_69	0.115	0.012	10.43478	0.552	0.033	5.978261	216	0.8556	0.622925	2.744917	273.6486	32.876
TS16_15_9_69	0.0939	0.0095	10.11715	0.533	0.022	4.12758	216	0.8556	0.599327	1.846138	238.0836	26.06784
TS16_15_10_69	0.0731	0.0033	4.514364	0.46	0.021	4.565217	216	0.8556	0.50866	1.840795	227.4745	13.47345
TS16_15_11_69	0.0602	0.0053	8.803987	0.413	0.014	3.389831	216	0.8556	0.450285	1.274987	209.8761	19.52388
TS16_15_12_69	0.0581	0.0046	7.917384	0.382	0.011	2.879581	216	0.8556	0.411783	1.033008	216.6279	18.00162
TS16_15_13_69	0.0643	0.0022	3.421462	0.369	0.012	3.252033	216	0.8556	0.395637	1.143257	245.7662	10.3007
TS16_15_1_70	0.0939	0.0036	3.833866	0.555	0.016	2.882883	216	0.8556	0.626651	1.32913	222.1237	10.53469
TS16_15_2_70	0.1018	0.0051	5.009823	0.598	0.022	3.67893	216	0.8556	0.680058	1.797742	206.6138	12.93425
TS16_15_3_70	0.1152	0.0061	5.295139	0.629	0.017	2.702703	216	0.8556	0.71856	1.37609	205.6882	12.46065
TS16_15_4_70	0.1101	0.0045	4.087193	0.621	0.023	3.703704	216	0.8556	0.708624	1.865989	203.5563	11.43583
TS16_15_5_70	0.1038	0.0027	2.601156	0.597	0.016	2.680067	216	0.8556	0.678816	1.307889	211.4117	7.923281
TS16_15_6_70	0.0991	0.0026	2.623613	0.582	0.014	2.405498	216	0.8556	0.660186	1.150487	213.5117	7.571179
TS16_15_7_70	0.0962	0.0033	3.430353	0.602	0.013	2.159468	216	0.8556	0.685026	1.060894	192.4289	7.87386
TS16_15_8_70	0.0856	0.006	7.009346	0.571	0.018	3.152364	216	0.8556	0.646523	1.485423	192.1603	14.83219
TS16_15_9_70	0.087	0.0066	7.586207	0.557	0.021	3.770197	216	0.8556	0.629135	1.742985	204.71	17.34175
TS16_15_10_70	0.1013	0.0046	4.540967	0.596	0.022	3.691275	216	0.8556	0.677574	1.798957	207.186	12.1869
TS16_15_11_70	0.1096	0.0036	3.284672	0.583	0.015	2.572899	216	0.8556	0.661428	1.23221	234.8792	9.815443
TS16_15_12_70	0.115	0.0034	2.956522	0.601	0.023	3.826955	216	0.8556	0.683784	1.877584	230.2612	11.1942
TS16_15_13_70	0.12	0.0036	3	0.63	0.022	3.492063	216	0.8556	0.719802	1.780334	213.1883	10.08411
TS16_15_1_71	0.0872	0.0037	4.243119	0.581	0.024	4.130809	216	0.8556	0.658944	1.972995	188.9216	11.09927
TS16_15_2_71	0.0761	0.0025	3.285151	0.533	0.029	5.440901	216	0.8556	0.599327	2.433546	193.6219	11.5317
TS16_15_3_71	0.0682	0.0031	4.545455	0.494	0.014	2.834008	216	0.8556	0.550888	1.199999	194.4863	10.14124
TS16_15_4_71	0.0593	0.0025	4.215852	0.463	0.02	4.319654	216	0.8556	0.512386	1.74939	183.7572	10.20407
TS16_15_5_71	0.0523	0.0017	3.250478	0.419	0.013	3.102625	216	0.8556	0.457738	1.177539	180.278	7.334272
TS16_15_6_71	0.0479	0.0018	3.757829	0.388	0.015	3.865979	216	0.8556	0.419235	1.399762	176.8814	8.397956
TS16_15_7_71	0.0445	0.0016	3.595506	0.366	0.015	4.098361	216	0.8556	0.391911	1.434026	172.1213	8.017985

TS16_15_8_71	0.043	0.0012	2.790698	0.3383	0.0072	2.128289	216	0.8556	0.357507	0.712592	175.6806	5.578326
TS16_15_9_71	0.0414	0.001	2.415459	0.325	0.012	3.692308	216	0.8556	0.340988	1.209845	173.5215	6.010409
TS16_15_10_71	0.0405	0.0014	3.45679	0.306	0.019	6.20915	216	0.8556	0.31739	1.971657	175.7966	9.33879
TS16_15_11_71	0.03815	0.00089	2.332896	0.2741	0.009	3.283473	216	0.8556	0.27777	0.98758	175.2156	5.427051
TS16_15_12_71	0.03684	0.00085	2.307275	0.267	0.012	4.494382	216	0.8556	0.268952	1.335187	171.3169	6.124058
TS16_15_13_71	0.0377	0.001	2.65252	0.2609	0.0092	3.526255	216	0.8556	0.261375	1.036426	177.0539	6.040101
TS16_15_1_72	0.089	0.01	11.23596	0.577	0.021	3.639515	216	0.8556	0.653975	1.72897	195.5294	23.29649
TS16_15_2_72	0.077	0.014	18.18182	0.498	0.048	9.638554	216	0.8556	0.555857	4.104485	216.7753	43.83064
TS16_15_3_72	0.0488	0.0019	3.893443	0.353	0.019	5.382436	216	0.8556	0.375765	1.845054	193.4434	10.52556
TS16_15_4_72	0.0474	0.00092	1.940928	0.343	0.014	4.081633	216	0.8556	0.363345	1.376983	191.6589	6.550997
TS16_15_5_72	0.0504	0.002	3.968254	0.401	0.018	4.488778	216	0.8556	0.435381	1.657918	180.8826	9.479382
TS16_15_6_72	0.061	0.0032	5.245902	0.473	0.018	3.805497	216	0.8556	0.524806	1.563626	184.204	11.40209
TS16_15_7_72	0.0732	0.0031	4.234973	0.525	0.023	4.380952	216	0.8556	0.589391	1.937779	190.9025	11.11332
TS16_15_8_72	0.0868	0.0038	4.37788	0.576	0.029	5.034722	216	0.8556	0.652733	2.388537	191.4416	12.57856
TS16_15_9_72	0.0906	0.0035	3.863135	0.615	0.019	3.089431	216	0.8556	0.701172	1.544211	172.2083	8.6263
TS16_15_10_72	0.1131	0.0085	7.515473	0.653	0.022	3.369066	216	0.8556	0.748368	1.769978	180.8998	15.22301
TS16_15_11_72	0.161	0.014	8.695652	0.698	0.021	3.008596	216	0.8556	0.804259	1.674476	200.0189	18.90269
TS16_15_12_72	0.211	0.014	6.635071	0.752	0.025	3.324468	216	0.8556	0.871328	1.979435	172.6857	13.50849
TS16_15_13_72	0.292	0.025	8.561644	0.766	0.024	3.133159	216	0.8556	0.888716	1.897872	206.1448	19.58835
X08FA06_A_1	0.0689	0.0043	6.240929	0.417	0.044	10.55156	243	0.839	0.464434	4.009809	233.5919	24.1274
X08FA06_B_1	0.0647	0.0021	3.24575	0.331	0.019	5.740181	243	0.839	0.355291	1.905442	263.4403	13.44635
X08FA06_C_1	0.0609	0.0025	4.10509	0.32	0.016	5	243	0.839	0.34133	1.629984	253.5332	13.54093
X08FA06_D_1	0.0675	0.0063	9.333333	0.342	0.026	7.602339	243	0.839	0.369251	2.569142	268.7778	29.17551
X08FA06_E_1	0.074	0.0052	7.027027	0.377	0.023	6.100796	243	0.839	0.41367	2.179828	273.8019	23.08856
X08FA06_F_1	0.0659	0.0035	5.311077	0.336	0.02	5.952381	243	0.839	0.361636	1.992064	265.6398	17.98005
X08FA06_G_1	0.0674	0.004	5.934718	0.327	0.026	7.95107	243	0.839	0.350214	2.622097	276.3168	22.3207
X08FA06_H_1	0.065	0.0034	5.230769	0.342	0.025	7.309942	243	0.839	0.369251	2.470328	259.0204	18.98855
X08FA06_I_1	0.0678	0.0028	4.129794	0.342	0.037	10.81871	243	0.839	0.369251	3.656086	269.9477	23.10955
X08FA06_J_1	0.0706	0.0032	4.532578	0.369	0.047	12.73713	243	0.839	0.403517	4.494118	265.909	27.26948
X08FA06_K_1	0.0689	0.0032	4.644412	0.344	0.028	8.139535	243	0.839	0.371789	2.759588	273.155	20.09558
X08FA06_L_1	0.0661	0.003	4.538578	0.32	0.013	4.0625	243	0.839	0.34133	1.324362	274.7263	14.73191
X08FA06_M_1	0.0652	0.0039	5.981595	0.309	0.023	7.443366	243	0.839	0.32737	2.382516	276.6868	21.58425
X08FA06_A_2	0.062	0.0057	9.193548	0.351	0.043	12.25071	243	0.839	0.380673	4.200477	242.8971	30.75359
X08FA06_B_2	0.0563	0.0026	4.618117	0.316	0.023	7.278481	243	0.839	0.336254	2.357083	236.5035	15.87777
X08FA06_C_2	0.0601	0.0017	2.828619	0.315	0.023	7.301587	243	0.839	0.334985	2.36064	252.631	14.16472

X08FA06_D_2	0.0605	0.0019	3.140496	0.295	0.019	6.440678	243	0.839	0.309603	2.013482	263.789	13.73589
X08FA06_E_2	0.0588	0.0023	3.911565	0.28	0.018	6.428571	243	0.839	0.290566	1.958713	263.4529	14.86954
X08FA06_F_2	0.0579	0.0022	3.799655	0.285	0.02	7.017544	243	0.839	0.296911	2.156663	257.2251	15.06723
X08FA06_G_2	0.0608	0.004	6.578947	0.345	0.027	7.826087	243	0.839	0.373058	2.657604	241.1572	20.74943
X08FA06_H_2	0.0674	0.0034	5.04451	0.343	0.016	4.664723	243	0.839	0.37052	1.578952	267.8588	16.25673
X08FA06_I_2	0.0656	0.0033	5.030488	0.313	0.032	10.22364	243	0.839	0.332447	3.294371	276.2918	23.35899
X08FA06_J_2	0.06	0.0027	4.5	0.32	0.035	10.9375	243	0.839	0.34133	3.565589	249.8581	21.4467
X08FA06_K_2	0.0649	0.0033	5.084746	0.31	0.019	6.129032	243	0.839	0.328639	1.9651	274.9317	18.02571
X08FA06_L_2	0.0651	0.0024	3.686636	0.321	0.012	3.738318	243	0.839	0.3426	1.220696	270.1454	12.18739
X08FA06_M_2	0.0652	0.0029	4.447853	0.334	0.021	6.287425	243	0.839	0.359098	2.097348	263.899	16.44812
X08FA06_A_3	0.0511	0.002	3.913894	0.3	0.011	3.666667	243	0.839	0.315948	1.156023	221.4859	10.23509
X08FA06_B_3	0.0511	0.0022	4.305284	0.276	0.016	5.797101	243	0.839	0.285489	1.75412	231.1732	13.05833
X08FA06_C_3	0.0517	0.0019	3.675048	0.258	0.013	5.03876	243	0.839	0.262645	1.477284	241.1769	11.57759
X08FA06_D_3	0.0533	0.0019	3.564728	0.271	0.011	4.059041	243	0.839	0.279144	1.217565	243.0421	10.68375
X08FA06_E_3	0.0557	0.0019	3.411131	0.269	0.011	4.089219	243	0.839	0.276606	1.222338	254.6493	10.89154
X08FA06_F_3	0.0587	0.0025	4.258944	0.27	0.015	5.555556	243	0.839	0.277875	1.663558	267.6226	14.75112
X08FA06_G_3	0.0595	0.0037	6.218487	0.295	0.024	8.135593	243	0.839	0.309603	2.543346	259.5155	21.23962
X08FA06_H_3	0.0615	0.0019	3.089431	0.265	0.021	7.924528	243	0.839	0.271529	2.352222	282.5231	16.23403
X08FA06_I_3	0.0622	0.0023	3.697749	0.262	0.021	8.015267	243	0.839	0.267722	2.366623	287.1289	17.6119
X08FA06_J_3	0.0644	0.0023	3.571429	0.267	0.023	8.614232	243	0.839	0.274067	2.565939	294.5378	18.81509
X08FA06_K_3	0.0632	0.0025	3.955696	0.271	0.025	9.225092	243	0.839	0.279144	2.767194	287.193	19.94777
X08FA06_L_3	0.0598	0.0018	3.010033	0.272	0.018	6.617647	243	0.839	0.280413	1.988521	271.5951	13.82094
X08FA06_M_3	0.0584	0.0015	2.568493	0.282	0.021	7.446809	243	0.839	0.293104	2.276803	260.779	13.89818
X08FA06_A_4	0.0504	0.0023	4.563492	0.281	0.016	5.69395	243	0.839	0.291835	1.73788	226.0715	13.18497
X08FA06_B_4	0.05	0.0019	3.8	0.267	0.016	5.992509	243	0.839	0.274067	1.785001	229.8367	12.18815
X08FA06_C_4	0.0514	0.0014	2.723735	0.254	0.014	5.511811	243	0.839	0.257569	1.604537	241.4236	10.34624
X08FA06_D_4	0.051	0.0016	3.137255	0.263	0.012	4.562738	243	0.839	0.268991	1.349591	235.9601	9.938686
X08FA06_E_4	0.0549	0.0025	4.553734	0.268	0.016	5.970149	243	0.839	0.275337	1.78146	251.4941	14.8116
X08FA06_F_4	0.0594	0.0018	3.030303	0.278	0.017	6.115108	243	0.839	0.288028	1.85677	267.019	13.05383
X08FA06_G_4	0.0582	0.0018	3.092784	0.267	0.018	6.741573	243	0.839	0.274067	2.008126	266.76	13.7912
X08FA06_H_4	0.0582	0.002	3.436426	0.28	0.015	5.357143	243	0.839	0.290566	1.632261	260.8183	12.60355
X08FA06_I_4	0.0586	0.002	3.412969	0.294	0.019	6.462585	243	0.839	0.308333	2.016899	256.1276	13.79129
X08FA06_J_4	0.0593	0.002	3.372681	0.283	0.017	6.007067	243	0.839	0.294373	1.83978	264.2508	13.44986
X08FA06_K_4	0.0578	0.002	3.460208	0.299	0.017	5.685619	243	0.839	0.314679	1.789528	250.4247	12.69949
X08FA06_L_4	0.0587	0.0025	4.258944	0.303	0.024	7.920792	243	0.839	0.319755	2.509927	252.4012	16.92323
X08FA06_M_4	0.059	0.0032	5.423729	0.295	0.013	4.40678	243	0.839	0.309603	1.377646	257.3776	15.95447
X08FA06_A_5	0.0858	0.0066	7.692308	0.485	0.034	7.010309	243	0.839	0.550734	2.946128	243.8204	24.03309

X08FA06_B_5	0.0703	0.0036	5.12091	0.435	0.023	5.287356	243	0.839	0.487278	2.064532	228.2671	15.26682
X08FA06_C_5	0.066	0.0023	3.484848	0.418	0.028	6.698565	243	0.839	0.465703	2.549454	223.4073	14.02425
X08FA06_D_5	0.0668	0.0029	4.341317	0.412	0.038	9.223301	243	0.839	0.458089	3.478515	229.2336	19.10805
X08FA06_E_5	0.0642	0.0023	3.582555	0.384	0.019	4.947917	243	0.839	0.422554	1.78734	234.6586	12.08338
X08FA06_F_5	0.0655	0.004	6.10687	0.385	0.03	7.792208	243	0.839	0.423823	2.819171	238.8067	20.18954
X08FA06_G_5	0.0651	0.0048	7.373272	0.378	0.034	8.994709	243	0.839	0.414939	3.218867	240.9673	23.98814
X08FA06_H_5	0.0632	0.0036	5.696203	0.379	0.031	8.17942	243	0.839	0.416208	2.93169	233.562	19.41386
X08FA06_I_5	0.0635	0.0035	5.511811	0.386	0.031	8.031088	243	0.839	0.425092	2.910119	231.1432	18.83692
X08FA06_J_5	0.0639	0.0039	6.103286	0.373	0.031	8.310992	243	0.839	0.408593	2.950951	239.1252	20.65021
X08FA06_K_5	0.0664	0.0029	4.36747	0.366	0.026	7.103825	243	0.839	0.39971	2.494633	251.9607	17.01534
X08FA06_L_5	0.0653	0.0039	5.972435	0.384	0.028	7.291667	243	0.839	0.422554	2.633974	238.6057	19.32899
X08FA06_M_5	0.0653	0.0035	5.359877	0.358	0.019	5.307263	243	0.839	0.389557	1.840214	251.9772	16.68593
X08FA06_A_6	0.142	0.015	10.56338	0.646	0.063	9.752322	243	0.839	0.755061	5.117239	220.4036	32.89376
X08FA06_B_6	0.106	0.016	15.09434	0.492	0.043	8.739837	243	0.839	0.559618	3.710254	294.1095	50.41656
X08FA06_C_6	0.0681	0.0042	6.167401	0.386	0.044	11.39896	243	0.839	0.425092	4.130492	247.5698	25.96665
X08FA06_D_6	0.0625	0.0028	4.48	0.282	0.013	4.609929	243	0.839	0.293104	1.409449	278.6968	15.05754
X08FA06_E_6	0.0566	0.0031	5.477032	0.277	0.013	4.693141	243	0.839	0.286759	1.422542	255.1227	16.04168
X08FA06_F_6	0.053	0.0031	5.849057	0.252	0.019	7.539683	243	0.839	0.255031	2.187059	249.6299	18.56313
X08FA06_G_6	0.0511	0.0028	5.479452	0.235	0.014	5.957447	243	0.839	0.233456	1.675982	247.6887	16.19927
X08FA06_H_6	0.0509	0.0024	4.715128	0.226	0.014	6.19469	243	0.839	0.222034	1.714306	250.3437	14.86475
X08FA06_I_6	0.0524	0.0023	4.389313	0.221	0.011	4.977376	243	0.839	0.215688	1.364815	259.6349	13.67952
X08FA06_J_6	0.048	0.0021	4.375	0.212	0.021	9.90566	243	0.839	0.204266	2.671269	241.6364	16.98003
X08FA06_K_6	0.0472	0.0021	4.449153	0.213	0.015	7.042254	243	0.839	0.205535	1.902624	237.3102	14.13665
X08FA06_L_6	0.0471	0.0022	4.670913	0.218	0.012	5.504587	243	0.839	0.211881	1.501037	234.9591	13.27302
X08FA06_M_6	0.0493	0.0025	5.070994	0.188	0.014	7.446809	243	0.839	0.173807	1.919891	257.3643	16.67982
X08FA06_A_7	0.0937	0.0067	7.15048	0.526	0.056	10.64639	243	0.839	0.602768	4.743878	235.5823	28.44327
X08FA06_B_7	0.0739	0.0076	10.28417	0.373	0.039	10.45576	243	0.839	0.408593	3.712487	275.7572	35.6384
X08FA06_C_7	0.0598	0.0034	5.685619	0.293	0.022	7.508532	243	0.839	0.307064	2.339344	261.7374	19.63884
X08FA06_D_7	0.0568	0.0045	7.922535	0.28	0.02	7.142857	243	0.839	0.290566	2.176348	254.6666	23.43868
X08FA06_E_7	0.0549	0.0026	4.735883	0.268	0.024	8.955224	243	0.839	0.275337	2.67219	251.4941	18.28763
X08FA06_F_7	0.0519	0.0028	5.39499	0.244	0.015	6.147541	243	0.839	0.244878	1.757853	247.8155	16.24808
X08FA06_G_7	0.0509	0.0025	4.911591	0.227	0.016	7.048458	243	0.839	0.223303	1.954157	249.9431	15.97681
X08FA06_H_7	0.0508	0.0023	4.527559	0.225	0.02	8.888889	243	0.839	0.220765	2.45538	250.261	17.02215
X08FA06_I_7	0.0489	0.0024	4.907975	0.209	0.01	4.784689	243	0.839	0.200459	1.283106	247.2368	13.94379
X08FA06_J_7	0.0444	0.0019	4.279279	0.203	0.012	5.91133	243	0.839	0.192844	1.56757	226.9814	12.24386
X08FA06_K_7	0.0444	0.002	4.504505	0.188	0.011	5.851064	243	0.839	0.173807	1.508486	232.2394	12.80768
X08FA06_L_7	0.0471	0.0015	3.184713	0.192	0.01	5.208333	243	0.839	0.178884	1.352926	244.6121	10.41035

X08FA06_M_7	0.0476	0.0019	3.991597	0.193	0.012	6.217617	243	0.839	0.180153	1.61814	246.7848	12.91448
X08FA06_A_8	0.0528	0.0033	6.25	0.291	0.021	7.216495	243	0.839	0.304526	2.240706	232.4762	18.17948
X08FA06_B_8	0.0515	0.0024	4.660194	0.288	0.019	6.597222	243	0.839	0.300719	2.037946	228.072	14.35703
X08FA06_C_8	0.0532	0.0021	3.947368	0.312	0.024	7.692308	243	0.839	0.331177	2.474569	225.3858	14.50416
X08FA06_D_8	0.0545	0.0022	4.036697	0.313	0.017	5.43131	243	0.839	0.332447	1.750135	230.3657	12.51866
X08FA06_E_8	0.0556	0.002	3.597122	0.309	0.013	4.20712	243	0.839	0.32737	1.346639	236.6857	10.82444
X08FA06_F_8	0.0552	0.0012	2.173913	0.32	0.016	5	243	0.839	0.34133	1.629984	230.222	9.177331
X08FA06_G_8	0.059	0.0031	5.254237	0.296	0.023	7.77027	243	0.839	0.310872	2.433266	256.9138	18.74372
X08FA06_H_8	0.0579	0.0034	5.872193	0.302	0.015	4.966887	243	0.839	0.318486	1.571249	249.4827	16.91948
X08FA06_I_8	0.0614	0.0027	4.397394	0.285	0.023	8.070175	243	0.839	0.296911	2.480163	272.45	18.42109
X08FA06_J_8	0.0575	0.0022	3.826087	0.308	0.015	4.87013	243	0.839	0.326101	1.556252	245.0752	12.30856
X08FA06_K_8	0.0566	0.0023	4.063604	0.293	0.014	4.778157	243	0.839	0.307064	1.488673	247.9973	12.72398
X08FA06_L_8	0.0551	0.0031	5.626134	0.269	0.023	8.550186	243	0.839	0.276606	2.555799	251.9591	19.50219
X08FA06_M_8	0.0538	0.003	5.576208	0.281	0.022	7.829181	243	0.839	0.291835	2.389585	241.0406	18.01199
X08FA06_A_9	0.0514	0.0028	5.447471	0.299	0.031	10.36789	243	0.839	0.314679	3.263257	223.1702	19.27551
X08FA06_B_9	0.0498	0.0034	6.827309	0.278	0.02	7.194245	243	0.839	0.288028	2.184436	224.6068	18.49981
X08FA06_C_9	0.0489	0.0029	5.93047	0.287	0.025	8.710801	243	0.839	0.29945	2.686246	217.1359	17.64727
X08FA06_D_9	0.0486	0.0024	4.938272	0.253	0.02	7.905138	243	0.839	0.2563	2.29716	228.8862	15.69647
X08FA06_E_9	0.0501	0.0013	2.59481	0.238	0.012	5.042017	243	0.839	0.237263	1.426194	241.7475	9.49192
X08FA06_F_9	0.0514	0.0018	3.501946	0.255	0.018	7.058824	243	0.839	0.258838	2.058544	241.0185	13.26
X08FA06_G_9	0.0533	0.0021	3.939962	0.258	0.018	6.976744	243	0.839	0.262645	2.04547	248.4988	14.37354
X08FA06_H_9	0.0545	0.0018	3.302752	0.25	0.014	5.6	243	0.839	0.252492	1.618617	257.413	12.13403
X08FA06_I_9	0.0532	0.0016	3.007519	0.264	0.018	6.818182	243	0.839	0.27026	2.020272	245.528	12.59342
X08FA06_J_9	0.0544	0.0026	4.779412	0.251	0.021	8.366534	243	0.839	0.253762	2.422579	256.5223	17.78574
X08FA06_K_9	0.055	0.0021	3.818182	0.245	0.022	8.979592	243	0.839	0.246147	2.572285	261.8883	17.10102
X08FA06_L_9	0.0538	0.0015	2.788104	0.225	0.015	6.666667	243	0.839	0.220765	1.841535	264.7408	12.47186
X08FA06_M_9	0.0516	0.0017	3.294574	0.222	0.013	5.855856	243	0.839	0.216957	1.60866	255.3429	11.98319
X08FA06_A_10	0.0661	0.0024	3.630862	0.297	0.012	4.040404	243	0.839	0.312141	1.267403	286.6343	12.96593
X08FA06_B_10	0.0666	0.0025	3.753754	0.285	0.017	5.964912	243	0.839	0.296911	1.833164	295.0036	15.81952
X08FA06_C_10	0.0648	0.0028	4.320988	0.28	0.019	6.785714	243	0.839	0.290566	2.06753	289.7403	17.69972
X08FA06_D_10	0.0637	0.0026	4.081633	0.262	0.018	6.870229	243	0.839	0.267722	2.028534	293.8977	17.28198
X08FA06_E_10	0.0676	0.0032	4.733728	0.311	0.033	10.61093	243	0.839	0.329908	3.407782	285.5903	24.18621
X08FA06_F_10	0.0685	0.0038	5.547445	0.31	0.028	9.032258	243	0.839	0.328639	2.895937	289.8443	23.73219
X08FA06_G_10	0.0675	0.003	4.444444	0.297	0.02	6.734007	243	0.839	0.312141	2.112339	292.5695	18.32752
X08FA06_H_10	0.0657	0.0026	3.957382	0.285	0.015	5.263158	243	0.839	0.296911	1.617497	291.1058	15.20262

X08FA06_I_10	0.0646	0.0029	4.489164	0.29	0.019	6.551724	243	0.839	0.303257	2.030826	283.8103	17.54151
X08FA06_J_10	0.0659	0.0026	3.945372	0.272	0.012	4.411765	243	0.839	0.280413	1.32568	298.6672	14.51478
X08FA06_K_10	0.066	0.0023	3.484848	0.277	0.018	6.498195	243	0.839	0.286759	1.969674	296.5321	15.94074
X08FA06_L_10	0.0628	0.0024	3.821656	0.278	0.011	3.956835	243	0.839	0.288028	1.20144	281.9734	12.9985
X08FA06_M_10	0.0588	0.0018	3.061224	0.289	0.014	4.844291	243	0.839	0.301988	1.499011	259.2954	11.32672
X08FA06_A_11	0.0635	0.0037	5.826772	0.406	0.035	8.62069	243	0.839	0.450474	3.221609	221.1112	19.51189
X08FA06_B_11	0.0637	0.0034	5.33752	0.4	0.034	8.5	243	0.839	0.442859	3.147417	224.8161	18.85409
X08FA06_C_11	0.0615	0.0021	3.414634	0.394	0.025	6.345178	243	0.839	0.435245	2.3279	220.0992	12.91447
X08FA06_D_11	0.0607	0.0013	2.14168	0.415	0.021	5.060241	243	0.839	0.461896	1.917167	207.193	9.240928
X08FA06_E_11	0.0648	0.0023	3.549383	0.373	0.021	5.630027	243	0.839	0.408593	1.999031	242.4307	13.19429
X08FA06_F_11	0.0634	0.0041	6.466877	0.396	0.03	7.575758	243	0.839	0.437783	2.787963	225.7792	19.59067
X08FA06_G_11	0.0627	0.0036	5.741627	0.355	0.027	7.605634	243	0.839	0.385749	2.624545	243.6124	19.28538
X08FA06_H_11	0.063	0.0041	6.507937	0.374	0.031	8.28877	243	0.839	0.409862	2.94769	235.3212	21.01144
X08FA06_I_11	0.064	0.004	6.25	0.396	0.033	8.333333	243	0.839	0.437783	3.066759	227.8786	20.27996
X08FA06_J_11	0.0671	0.004	5.961252	0.359	0.017	4.735376	243	0.839	0.390826	1.644538	258.258	17.91533
X08FA06_K_11	0.0687	0.0042	6.113537	0.385	0.023	5.974026	243	0.839	0.423823	2.161364	250.25	19.07743
X08FA06_L_11	0.0654	0.004	6.116208	0.398	0.029	7.286432	243	0.839	0.440321	2.689764	231.7422	19.1911
X08FA06_M_11	0.0673	0.0036	5.349183	0.409	0.033	8.06846	243	0.839	0.454281	3.02909	232.5125	19.10582
X08FA06_A_12	0.0685	0.0055	8.029197	0.454	0.041	9.030837	243	0.839	0.511392	3.627225	212.2273	23.30525
X08FA06_B_12	0.07	0.0037	5.285714	0.383	0.028	7.310705	243	0.839	0.421285	2.63674	255.9939	19.4689
X08FA06_C_12	0.065	0.0029	4.461538	0.373	0.033	8.847185	243	0.839	0.408593	3.141335	243.165	19.06713
X08FA06_D_12	0.0612	0.0032	5.228758	0.399	0.036	9.022556	243	0.839	0.44159	3.335778	216.6233	18.64689
X08FA06_E_12	0.0595	0.002	3.361345	0.412	0.033	8.009709	243	0.839	0.458089	3.020815	204.5757	14.35467
X08FA06_F_12	0.0597	0.0032	5.360134	0.415	0.038	9.156627	243	0.839	0.461896	3.46916	203.833	18.13134
X08FA06_G_12	0.0645	0.0025	3.875969	0.376	0.021	5.585106	243	0.839	0.412401	1.992446	239.804	13.56747
X08FA06_H_12	0.0621	0.0026	4.186795	0.394	0.029	7.360406	243	0.839	0.435245	2.700364	222.2099	15.43104
X08FA06_I_12	0.0596	0.0027	4.530201	0.425	0.033	7.764706	243	0.839	0.474587	2.986657	198.7707	15.11598
X08FA06_J_12	0.061	0.0032	5.245902	0.421	0.037	8.788599	243	0.839	0.469511	3.36014	205.3008	17.75982
X08FA06_K_12	0.0619	0.0032	5.169628	0.42	0.035	8.333333	243	0.839	0.468242	3.181263	208.7717	17.37178
X08FA06_L_12	0.0644	0.003	4.658385	0.407	0.028	6.879607	243	0.839	0.451743	2.574889	223.6823	15.78604
X08FA06_M_12	0.0682	0.0048	7.038123	0.425	0.04	9.411765	243	0.839	0.474587	3.620191	226.953	23.28252

X08FA06_A_13	0.1083	0.008	7.386888	0.601	0.032	5.324459	243	0.839	0.697951	2.631073	207.4988	19.09699
X08FA06_B_13	0.0952	0.005	5.252101	0.586	0.03	5.119454	243	0.839	0.678914	2.478836	194.0981	14.21604
X08FA06_C_13	0.084	0.0069	8.214286	0.461	0.034	7.375271	243	0.839	0.520275	2.992965	254.6729	26.349
X08FA06_D_13	0.067	0.0038	5.671642	0.431	0.032	7.424594	243	0.839	0.482202	2.881724	219.8501	18.05858
X08FA06_E_13	0.0617	0.0044	7.13128	0.385	0.028	7.272727	243	0.839	0.423823	2.631226	225.1914	20.27894
X08FA06_F_13	0.0631	0.0047	7.448494	0.382	0.024	6.282723	243	0.839	0.420015	2.262448	231.7051	20.52815
X08FA06_G_13	0.0588	0.003	5.102041	0.376	0.021	5.585106	243	0.839	0.412401	1.992446	218.9677	14.40294
X08FA06_H_13	0.057	0.0028	4.912281	0.331	0.025	7.55287	243	0.839	0.355291	2.50716	232.6466	16.60757
X08FA06_I_13	0.0518	0.003	5.791506	0.31	0.019	6.129032	243	0.839	0.328639	1.9651	220.3736	15.67187
X08FA06_J_13	0.0503	0.0024	4.771372	0.314	0.014	4.458599	243	0.839	0.333716	1.439092	212.5044	12.02737
X08FA06_K_13	0.05	0.0018	3.6	0.277	0.017	6.137184	243	0.839	0.286759	1.860248	225.8882	11.89073
X08FA06_L_13	0.05	0.0023	4.6	0.266	0.018	6.766917	243	0.839	0.272798	2.012142	230.2315	14.30983
X08FA06_M_13	0.0513	0.0035	6.822612	0.309	0.034	11.00324	243	0.839	0.32737	3.52198	218.6877	21.77647
X08FA06_A_14	0.135	0.024	17.77778	0.594	0.072	12.12121	243	0.839	0.689067	5.933219	265.069	57.57974
X08FA06_B_14	0.0703	0.0052	7.396871	0.479	0.024	5.010438	243	0.839	0.543119	2.087445	203.7949	17.56236
X08FA06_C_14	0.0569	0.0033	5.799649	0.387	0.023	5.943152	243	0.839	0.426361	2.156891	207.0504	15.19072
X08FA06_D_14	0.0524	0.0026	4.961832	0.324	0.018	5.555556	243	0.839	0.346407	1.823089	217.0821	13.58006
X08FA06_E_14	0.0508	0.0015	2.952756	0.317	0.019	5.993691	243	0.839	0.337523	1.944238	213.3759	10.58377
X08FA06_F_14	0.0488	0.0023	4.713115	0.312	0.019	6.089744	243	0.839	0.331177	1.959034	207.0409	12.88264
X08FA06_G_14	0.0476	0.0021	4.411765	0.285	0.017	5.964912	243	0.839	0.296911	1.833164	212.2107	12.36385
X08FA06_H_14	0.0475	0.002	4.210526	0.272	0.012	4.411765	243	0.839	0.280413	1.32568	216.6589	10.95434
X08FA06_I_14	0.0461	0.0016	3.470716	0.248	0.014	5.645161	243	0.839	0.249954	1.62584	219.1314	10.59228
X08FA06_J_14	0.0473	0.0017	3.59408	0.249	0.018	7.228916	243	0.839	0.251223	2.085703	224.3634	12.55911
X08FA06_K_14	0.0457	0.0026	5.689278	0.251	0.021	8.366534	243	0.839	0.253762	2.422579	216.1771	16.40761
X08FA06_L_14	0.0451	0.002	4.43459	0.235	0.012	5.106383	243	0.839	0.233456	1.436556	219.0942	11.76511
X08FA06_M_14	0.047	0.0011	2.340426	0.239	0.011	4.60251	243	0.839	0.238532	1.304235	226.6781	8.080248
X08FA06_A_15	0.0915	0.007	7.650273	0.557	0.048	8.617594	243	0.839	0.64211	4.009783	207.7174	23.35457
X08FA06_B_15	0.0882	0.0035	3.968254	0.51	0.034	6.666667	243	0.839	0.582462	2.90401	233.1343	16.67771
X08FA06_C_15	0.088	0.005	5.681818	0.495	0.038	7.676768	243	0.839	0.563425	3.273048	243.0231	21.43172
X08FA06_D_15	0.0891	0.0049	5.499439	0.482	0.025	5.186722	243	0.839	0.546927	2.17031	255.1188	18.20642
X08FA06_E_15	0.0862	0.0027	3.132251	0.49	0.027	5.510204	243	0.839	0.55708	2.332474	241.5402	13.81471

X08FA06_F_15	0.092	0.0047	5.108696	0.463	0.029	6.263499	243	0.839	0.522814	2.54927	276.9689	20.3939
X08FA06_G_15	0.0948	0.0038	4.008439	0.436	0.031	7.110092	243	0.839	0.488547	2.780403	305.2179	21.39018
X08FA06_H_15	0.0955	0.0072	7.539267	0.431	0.037	8.584687	243	0.839	0.482202	3.331994	311.1423	31.9963
X08FA06_I_15	0.0884	0.0073	8.257919	0.481	0.042	8.731809	243	0.839	0.545658	3.648409	253.8486	28.46883
X08FA06_J_15	0.0843	0.0028	3.321471	0.422	0.036	8.530806	243	0.839	0.47078	3.266511	281.3649	21.04316
X08FA06_K_15	0.0781	0.0043	5.505762	0.415	0.026	6.26506	243	0.839	0.461896	2.373635	265.3783	19.66506
X08FA06_L_15	0.0723	0.0048	6.639004	0.418	0.033	7.894737	243	0.839	0.465703	3.004714	244.3332	22.26116
X08FA06_M_15	0.0673	0.0054	8.023774	0.406	0.038	9.359606	243	0.839	0.450474	3.497747	234.1056	25.32895
X08FA06_A_16	0.07	0.0039	5.571429	0.362	0.027	7.458564	243	0.839	0.394633	2.602653	267.5418	20.7949
X08FA06_B_16	0.0697	0.0041	5.882353	0.358	0.033	9.217877	243	0.839	0.389557	3.196161	268.6067	23.78288
X08FA06_C_16	0.0612	0.0032	5.228758	0.326	0.02	6.134969	243	0.839	0.348945	2.019864	251.8694	16.94941
X08FA06_D_16	0.0577	0.0014	2.426343	0.31	0.022	7.096774	243	0.839	0.328639	2.275379	245.0027	12.86557
X08FA06_E_16	0.0596	0.0023	3.85906	0.283	0.014	4.946996	243	0.839	0.294373	1.515113	265.5605	13.28836
X08FA06_F_16	0.059	0.0038	6.440678	0.278	0.014	5.035971	243	0.839	0.288028	1.529105	265.2574	19.27814
X08FA06_G_16	0.0608	0.003	4.934211	0.259	0.019	7.335907	243	0.839	0.263915	2.154582	282.2334	18.87211
X08FA06_H_16	0.0588	0.0022	3.741497	0.258	0.017	6.589147	243	0.839	0.262645	1.931833	273.6043	15.01466
X08FA06_I_16	0.062	0.003	4.83871	0.256	0.021	8.203125	243	0.839	0.260107	2.396508	289.1364	20.10922
X08FA06_J_16	0.0621	0.002	3.220612	0.258	0.02	7.751938	243	0.839	0.262645	2.272744	288.6209	16.42292
X08FA06_K_16	0.0609	0.0033	5.418719	0.27	0.022	8.148148	243	0.839	0.277875	2.439885	277.4399	20.63978
X08FA06_L_16	0.0624	0.0039	6.25	0.278	0.018	6.47482	243	0.839	0.288028	1.965992	280.2158	21.11273
X08FA06_M_16	0.059	0.0029	4.915254	0.277	0.014	5.054152	243	0.839	0.286759	1.531969	265.7206	15.69306
X08FA06_A_17	0.0521	0.0044	8.445298	0.346	0.019	5.491329	243	0.839	0.374327	1.86777	206.785	19.37613
X08FA06_B_17	0.0454	0.0017	3.744493	0.304	0.024	7.894737	243	0.839	0.321025	2.505885	195.7126	12.41981
X08FA06_C_17	0.0425	0.0016	3.764706	0.277	0.015	5.415162	243	0.839	0.286759	1.641395	192.5055	9.753219
X08FA06_D_17	0.0408	0.0011	2.696078	0.256	0.017	6.640625	243	0.839	0.260107	1.94003	191.7225	9.187997
X08FA06_E_17	0.04322	0.00091	2.105507	0.2394	0.0097	4.051796	243	0.839	0.23904	1.149008	208.6023	6.604534
X08FA06_F_17	0.0439	0.0013	2.961276	0.2299	0.0079	3.436277	243	0.839	0.226983	0.957766	215.1319	7.710709
X08FA06_G_17	0.0448	0.0015	3.348214	0.247	0.014	5.668016	243	0.839	0.248685	1.629497	213.4075	10.13024
X08FA06_H_17	0.0465	0.0014	3.010753	0.2347	0.0089	3.792075	243	0.839	0.233075	1.066226	225.8878	8.476161
X08FA06_I_17	0.04477	0.00092	2.054948	0.232	0.012	5.172414	243	0.839	0.229648	1.447204	218.5801	7.887164
X08FA06_J_17	0.0446	0.0021	4.70852	0.237	0.013	5.485232	243	0.839	0.235994	1.548752	215.9999	12.36817

X08FA06_K_17	0.0455	0.0018	3.956044	0.24	0.012	5	243	0.839	0.239801	1.419439	219.2057	10.84807
X08FA06_L_17	0.047	0.0017	3.617021	0.234	0.013	5.555556	243	0.839	0.232187	1.560079	228.534	11.10296
X08FA06_M_17	0.048	0.0016	3.333333	0.223	0.013	5.829596	243	0.839	0.218226	1.604399	237.4743	11.1827
X08FA06_A_18	0.46	0.12	26.08696	0.726	0.055	7.575758	243	0.839	0.85659	4.407467	411.8212	116.0489
X08FA06_B_18	0.224	0.038	16.96429	0.677	0.077	11.37371	243	0.839	0.794404	6.214805	290.2471	62.13503
X08FA06_C_18	0.13	0.021	16.15385	0.594	0.061	10.26936	243	0.839	0.689067	5.026755	255.4435	49.3889
X08FA06_D_18	0.0935	0.0082	8.770053	0.574	0.044	7.665505	243	0.839	0.663685	3.65128	199.5885	23.09256
X08FA06_E_18	0.0786	0.0052	6.615776	0.539	0.029	5.380334	243	0.839	0.619266	2.441561	190.0831	15.84327
X08FA06_F_18	0.074	0.0042	5.675676	0.47	0.032	6.808511	243	0.839	0.531697	2.799631	219.6129	17.78633
X08FA06_G_18	0.0701	0.0032	4.564907	0.442	0.025	5.656109	243	0.839	0.496162	2.231712	223.7526	14.5197
X08FA06_H_18	0.0651	0.0037	5.683564	0.416	0.028	6.730769	243	0.839	0.463165	2.553953	221.4416	17.19266
X08FA06_I_18	0.0639	0.0028	4.381847	0.394	0.024	6.091371	243	0.839	0.435245	2.234784	228.5379	14.54482
X08FA06_J_18	0.0634	0.0039	6.15142	0.366	0.031	8.469945	243	0.839	0.39971	2.97437	240.7868	20.96041
X08FA06_K_18	0.0621	0.0041	6.602254	0.399	0.045	11.2782	243	0.839	0.44159	4.169723	219.7553	23.7336
X08FA06_L_18	0.0601	0.0034	5.657238	0.383	0.029	7.571802	243	0.839	0.421285	2.730909	220.4004	17.60697
X08FA06_M_18	0.0596	0.0032	5.369128	0.35	0.025	7.142857	243	0.839	0.379404	2.445188	234.1332	17.29317
X08FA06_A_19	0.614	0.082	13.35505	0.846	0.066	7.801418	243	0.839	1.008884	5.2576	-35.2592	-5.97971
X08FA06_B_19	0.621	0.083	13.36554	0.857	0.045	5.250875	243	0.839	1.022844	3.585115	-92.1046	-13.8855
X08FA06_C_19	0.554	0.072	12.99639	0.832	0.047	5.649038	243	0.839	0.991116	3.74405	31.64898	4.75703
X08FA06_D_19	0.484	0.059	12.19008	0.795	0.071	8.930818	243	0.839	0.944159	5.660461	171.9146	28.91976
X08FA06_E_19	0.518	0.072	13.89961	0.706	0.053	7.507082	243	0.839	0.831208	4.257954	540.3451	91.2295
X08FA06_F_19	0.514	0.058	11.28405	0.778	0.057	7.326478	243	0.839	0.922584	4.547934	251.5421	37.07135
X08FA06_G_19	0.409	0.072	17.60391	0.8	0.055	6.875	243	0.839	0.950505	4.38407	129.1954	25.61381
X08FA06_H_19	0.336	0.044	13.09524	0.757	0.07	9.247028	243	0.839	0.895933	5.592959	221.5578	38.70438
X08FA06_I_19	0.262	0.032	12.21374	0.766	0.068	8.877285	243	0.839	0.907355	5.429611	154.6053	25.5222
X08FA06_J_19	0.192	0.019	9.895833	0.733	0.069	9.41337	243	0.839	0.865474	5.525133	164.3903	24.65141
X08FA06_K_19	0.165	0.015	9.090909	0.703	0.079	11.23755	243	0.839	0.827401	6.349458	181.0212	28.60813
X08FA06_L_19	0.139	0.013	9.352518	0.659	0.043	6.525038	243	0.839	0.77156	3.482776	201.5117	23.82616
X08FA06_M_19	0.133	0.01	7.518797	0.592	0.051	8.614865	243	0.839	0.686529	4.205472	263.31	30.24973
X08FA06_A_20	0.0553	0.0048	8.679928	0.405	0.045	11.11111	243	0.839	0.449205	4.145947	193.4201	23.52705
X08FA06_B_20	0.0479	0.003	6.263048	0.27	0.027	10	243	0.839	0.277875	2.994404	219.2104	19.29354

X08FA06_C_20	0.0479	0.0025	5.219207	0.255	0.023	9.019608	243	0.839	0.258838	2.630362	224.8896	16.93725
X08FA06_D_20	0.049	0.003	6.122449	0.241	0.019	7.883817	243	0.839	0.24107	2.242168	235.3764	18.16732
X08FA06_E_20	0.052	0.0032	6.153846	0.254	0.019	7.480315	243	0.839	0.257569	2.177585	244.1891	18.73541
X08FA06_F_20	0.0524	0.0024	4.580153	0.255	0.026	10.19608	243	0.839	0.258838	2.973453	245.6194	18.76516
X08FA06_G_20	0.0535	0.0025	4.672897	0.273	0.027	9.89011	243	0.839	0.281682	2.977038	243.0941	18.72345
X08FA06_H_20	0.0583	0.0035	6.003431	0.269	0.023	8.550186	243	0.839	0.276606	2.555799	266.2937	21.40079
X08FA06_I_20	0.0582	0.0032	5.498282	0.285	0.02	7.017544	243	0.839	0.296911	2.156663	258.5315	18.40774
X08FA06_J_20	0.0599	0.0041	6.844741	0.291	0.029	9.965636	243	0.839	0.304526	3.094308	263.1073	24.73337
X08FA06_K_20	0.0595	0.0029	4.87395	0.309	0.03	9.708738	243	0.839	0.32737	3.10763	252.9661	20.34536
X08FA06_L_20	0.0598	0.0021	3.511706	0.315	0.023	7.301587	243	0.839	0.334985	2.36064	251.3942	15.06687
X08FA06_M_20	0.061	0.0021	3.442623	0.314	0.024	7.643312	243	0.839	0.333716	2.467014	256.8195	15.74379
X08FA06_A_21	0.0653	0.0042	6.431853	0.358	0.037	10.3352	243	0.839	0.389557	3.583575	251.9772	24.69849
X08FA06_B_21	0.0593	0.0035	5.902192	0.306	0.032	10.45752	243	0.839	0.323563	3.330517	253.5316	22.97224
X08FA06_C_21	0.0546	0.0013	2.380952	0.248	0.017	6.854839	243	0.839	0.249954	1.974234	258.7343	12.16084
X08FA06_D_21	0.0536	0.0021	3.91791	0.247	0.014	5.668016	243	0.839	0.248685	1.629497	254.5093	13.21614
X08FA06_E_21	0.0536	0.0023	4.291045	0.253	0.014	5.533597	243	0.839	0.2563	1.608012	251.9796	13.76513
X08FA06_F_21	0.0522	0.0021	4.022989	0.245	0.015	6.122449	243	0.839	0.246147	1.75383	248.8097	13.52545
X08FA06_G_21	0.0511	0.0029	5.675147	0.236	0.012	5.084746	243	0.839	0.234725	1.433071	247.2864	16.00761
X08FA06_H_21	0.0516	0.003	5.813953	0.221	0.013	5.882353	243	0.839	0.215688	1.612963	255.7486	17.32314
X08FA06_I_21	0.0501	0.0025	4.99002	0.231	0.017	7.359307	243	0.839	0.228379	2.055327	244.5104	16.09141
X08FA06_J_21	0.0491	0.0023	4.684318	0.233	0.016	6.866953	243	0.839	0.230918	1.92483	238.9455	14.74279
X08FA06_K_21	0.0491	0.0022	4.480652	0.243	0.018	7.407407	243	0.839	0.243609	2.114292	235.0735	14.73319
X08FA06_L_21	0.0505	0.0017	3.366337	0.236	0.018	7.627119	243	0.839	0.234725	2.149607	244.4372	13.58908
X08FA06_M_21	0.0499	0.0013	2.60521	0.239	0.014	5.857741	243	0.839	0.238532	1.659935	240.4069	10.32852
X08FA06_A_22	0.0433	0.0017	3.926097	0.1849	0.0088	4.759329	243	0.839	0.169873	1.219882	227.6458	10.70184
X08FA06_B_22	0.045	0.0017	3.777778	0.1667	0.0085	5.09898	243	0.839	0.146775	1.263109	242.8774	11.23857
X08FA06_C_22	0.04332	0.00091	2.100646	0.1508	0.0079	5.238727	243	0.839	0.126596	1.260634	239.4045	7.999263
X08FA06_D_22	0.0448	0.0013	2.901786	0.1569	0.0075	4.780115	243	0.839	0.134338	1.162962	245.2766	9.290672
X08FA06_E_22	0.0447	0.0017	3.803132	0.149	0.0083	5.57047	243	0.839	0.124312	1.3362	247.5202	11.71825
X08FA06_F_22	0.0435	0.0017	3.908046	0.155	0.01	6.451613	243	0.839	0.131927	1.56423	238.9408	12.17433
X08FA06_G_22	0.0468	0.0012	2.564103	0.1559	0.0099	6.350225	243	0.839	0.133069	1.542156	256.3798	10.48193

X08FA06_H_22	0.04732	0.00087	1.838546	0.1583	0.0095	6.001263	243	0.839	0.136115	1.463785	258.2794	9.103595
X08FA06_I_22	0.049	0.0012	2.44898	0.1758	0.0099	5.631399	243	0.839	0.158324	1.418919	260.5275	9.958054
X08FA06_J_22	0.0518	0.0013	2.509653	0.189	0.012	6.349206	243	0.839	0.175077	1.639998	269.739	11.36649
X08FA06_K_22	0.0511	0.001	1.956947	0.187	0.013	6.951872	243	0.839	0.172538	1.788919	266.9704	11.10622
X08FA06_L_22	0.0517	0.0016	3.094778	0.186	0.011	5.913978	243	0.839	0.171269	1.518977	270.4459	11.96676
X08FA06_M_22	0.0498	0.0014	2.811245	0.193	0.012	6.217617	243	0.839	0.180153	1.61814	257.9656	11.27284
X08FA06_A_23	0.0564	0.0035	6.205674	0.293	0.02	6.825939	243	0.839	0.307064	2.126676	247.1376	18.92632
X08FA06_B_23	0.0551	0.0027	4.900181	0.267	0.021	7.865169	243	0.839	0.274067	2.342814	252.8261	17.45824
X08FA06_C_23	0.0513	0.002	3.898635	0.232	0.019	8.189655	243	0.839	0.229648	2.291407	249.851	15.3099
X08FA06_D_23	0.0501	0.0016	3.193613	0.246	0.02	8.130081	243	0.839	0.247416	2.333124	238.5884	13.72904
X08FA06_E_23	0.0485	0.0021	4.329897	0.239	0.02	8.368201	243	0.839	0.238532	2.371336	233.7829	15.27078
X08FA06_F_23	0.0478	0.0028	5.857741	0.232	0.017	7.327586	243	0.839	0.229648	2.050206	233.109	16.95068
X08FA06_G_23	0.045	0.0017	3.777778	0.215	0.016	7.44186	243	0.839	0.208074	2.018065	225.7302	12.68758
X08FA06_H_23	0.0447	0.0022	4.9217	0.201	0.011	5.472637	243	0.839	0.190306	1.445812	229.1941	13.30469
X08FA06_I_23	0.0471	0.003	6.369427	0.2	0.017	8.5	243	0.839	0.189037	2.241404	241.6435	19.14982
X08FA06_J_23	0.0509	0.0024	4.715128	0.223	0.017	7.623318	243	0.839	0.218226	2.09806	251.5452	16.17078
X08FA06_K_23	0.0508	0.0023	4.527559	0.235	0.013	5.531915	243	0.839	0.233456	1.556269	246.262	13.77725
X08FA06_L_23	0.0556	0.0028	5.035971	0.2374	0.0092	3.875316	243	0.839	0.236502	1.094987	268.0045	15.0103
X08FA06_M_23	0.0565	0.0031	5.486726	0.231	0.014	6.060606	243	0.839	0.228379	1.692622	275.0877	18.09338
X08FA06_A_24	0.0513	0.0031	6.042885	0.297	0.028	9.427609	243	0.839	0.312141	2.957275	223.5543	19.20596
X08FA06_B_24	0.0468	0.0021	4.487179	0.251	0.013	5.179283	243	0.839	0.253762	1.499692	221.2922	12.13978
X08FA06_C_24	0.0472	0.0026	5.508475	0.249	0.01	4.016064	243	0.839	0.251223	1.158724	223.8972	13.60106
X08FA06_D_24	0.051	0.0026	5.098039	0.235	0.012	5.106383	243	0.839	0.233456	1.436556	247.2132	14.7308
X08FA06_E_24	0.0477	0.0021	4.402516	0.217	0.015	6.912442	243	0.839	0.210612	1.881458	238.2738	14.04257
X08FA06_F_24	0.0467	0.0013	2.783726	0.1991	0.0099	4.972376	243	0.839	0.187895	1.308977	239.9603	9.335794
X08FA06_G_24	0.0446	0.0018	4.035874	0.209	0.011	5.263158	243	0.839	0.200459	1.411417	225.8724	11.31171
X08FA06_H_24	0.0463	0.0031	6.695464	0.196	0.012	6.122449	243	0.839	0.18396	1.602382	239.074	18.05415
X08FA06_I_24	0.0454	0.0019	4.185022	0.216	0.009	4.166667	243	0.839	0.209343	1.132003	227.3431	11.00098
X08FA06_J_24	0.0438	0.0015	3.424658	0.224	0.013	5.803571	243	0.839	0.219496	1.600178	216.6945	10.32144
X08FA06_K_24	0.049	0.0031	6.326531	0.218	0.013	5.963303	243	0.839	0.211881	1.626124	244.26	17.68457
X08FA06_L_24	0.0517	0.002	3.868472	0.23	0.013	5.652174	243	0.839	0.22711	1.575673	252.5751	12.83982

X08FA06_M_24	0.0508	0.0015	2.952756	0.238	0.014	5.882353	243	0.839	0.237263	1.663893	245.0618	11.10293
X08FA06_A_25	0.0461	0.0019	4.121475	0.302	0.016	5.298013	243	0.839	0.318486	1.675999	199.4156	10.75051
X08FA06_B_25	0.0508	0.0023	4.527559	0.291	0.015	5.154639	243	0.839	0.304526	1.600504	223.8214	12.61614
X08FA06_C_25	0.0576	0.0033	5.729167	0.281	0.012	4.270463	243	0.839	0.291835	1.30341	257.7298	16.52986
X08FA06_D_25	0.0609	0.0028	4.597701	0.276	0.014	5.072464	243	0.839	0.285489	1.534855	274.5758	15.48863
X08FA06_E_25	0.0578	0.0025	4.32526	0.271	0.013	4.797048	243	0.839	0.279144	1.438941	263.1482	13.93885
X08FA06_F_25	0.0576	0.0027	4.6875	0.276	0.015	5.434783	243	0.839	0.285489	1.644487	259.9932	15.17431
X08FA06_G_25	0.0573	0.002	3.490401	0.295	0.015	5.084746	243	0.839	0.309603	1.589591	250.1036	12.02881
X08FA06_H_25	0.0552	0.0029	5.253623	0.274	0.023	8.394161	243	0.839	0.282951	2.531141	250.2359	18.5886
X08FA06_I_25	0.0583	0.002	3.430532	0.245	0.016	6.530612	243	0.839	0.246147	1.870752	277.2683	14.36564
X08FA06_J_25	0.0556	0.0025	4.496403	0.24	0.014	5.833333	243	0.839	0.239801	1.656012	266.8699	15.19833
X08FA06_K_25	0.0514	0.0023	4.474708	0.245	0.017	6.938776	243	0.839	0.246147	1.987674	245.0681	14.93367
X08FA06_L_25	0.0497	0.0021	4.225352	0.234	0.013	5.555556	243	0.839	0.232187	1.560079	241.4197	12.90813
X08FA06_M_25	0.048	0.0024	5	0.242	0.014	5.785124	243	0.839	0.24234	1.64827	230.2788	14.02523
X08FA06_A_26	0.0519	0.0029	5.587669	0.309	0.015	4.854369	243	0.839	0.32737	1.553815	221.2021	14.37241
X08FA06_B_26	0.0526	0.0025	4.752852	0.299	0.017	5.685619	243	0.839	0.314679	1.789528	228.2892	13.81114
X08FA06_C_26	0.0533	0.0021	3.939962	0.285	0.014	4.912281	243	0.839	0.296911	1.509664	237.1604	11.98034
X08FA06_D_26	0.0524	0.0029	5.534351	0.2979	0.008	2.685465	243	0.839	0.313283	0.843668	227.8915	13.40736
X08FA06_E_26	0.0576	0.0019	3.298611	0.318	0.018	5.660377	243	0.839	0.338792	1.839164	240.9555	12.11888
X08FA06_F_26	0.0598	0.0015	2.508361	0.319	0.022	6.896552	243	0.839	0.340061	2.244536	249.5118	13.06903
X08FA06_G_26	0.0607	0.0022	3.624382	0.325	0.022	6.769231	243	0.839	0.347676	2.225024	250.3287	14.63299
X08FA06_H_26	0.0571	0.0027	4.728546	0.331	0.026	7.854985	243	0.839	0.355291	2.607447	233.0475	16.68387
X08FA06_I_26	0.0606	0.0033	5.445545	0.328	0.016	4.878049	243	0.839	0.351483	1.611321	248.4933	16.01092
X08FA06_J_26	0.0619	0.0037	5.977383	0.325	0.023	7.076923	243	0.839	0.347676	2.326162	255.1809	19.68628
X08FA06_K_26	0.0645	0.0034	5.271318	0.347	0.03	8.645533	243	0.839	0.375596	2.945353	254.5313	20.49031
X08FA06_L_26	0.0681	0.0034	4.992658	0.345	0.024	6.956522	243	0.839	0.373058	2.362315	269.5146	18.89084
X08FA06_M_26	0.0695	0.0033	4.748201	0.353	0.023	6.515581	243	0.839	0.383211	2.241209	270.5785	18.0189
X08FA06_A_27	0.0482	0.002	4.149378	0.286	0.017	5.944056	243	0.839	0.298181	1.829893	214.4601	12.05385
X08FA06_B_27	0.05	0.0024	4.8	0.303	0.016	5.280528	243	0.839	0.319755	1.673285	215.6106	12.81697
X08FA06_C_27	0.0508	0.0014	2.755906	0.279	0.024	8.602151	243	0.839	0.289297	2.616451	228.6366	13.75011
X08FA06_D_27	0.0499	0.0014	2.805611	0.278	0.022	7.913669	243	0.839	0.288028	2.402879	225.05	12.73212

X08FA06_E_27	0.0516	0.0012	2.325581	0.297	0.011	3.703704	243	0.839	0.312141	1.161787	224.8391	7.517496
X08FA06_F_27	0.0531	0.002	3.766478	0.305	0.015	4.918033	243	0.839	0.322294	1.56367	227.9054	11.34685
X08FA06_G_27	0.0519	0.0023	4.431599	0.335	0.025	7.462687	243	0.839	0.360367	2.493451	210.5259	14.2612
X08FA06_H_27	0.0519	0.0029	5.587669	0.324	0.033	10.18519	243	0.839	0.346407	3.342331	215.0449	19.02358
X08FA06_I_27	0.0555	0.0023	4.144144	0.298	0.021	7.04698	243	0.839	0.31341	2.214261	241.0808	14.88151
X08FA06_J_27	0.0537	0.0022	4.096834	0.32	0.024	7.5	243	0.839	0.34133	2.444975	224.0734	14.5293
X08FA06_K_27	0.0523	0.0029	5.544933	0.344	0.027	7.848837	243	0.839	0.371789	2.661032	208.3947	16.25786
X08FA06_L_27	0.052	0.0027	5.192308	0.32	0.022	6.875	243	0.839	0.34133	2.241228	217.0979	15.12762
X08FA06_M_27	0.0531	0.0027	5.084746	0.318	0.018	5.660377	243	0.839	0.338792	1.839164	222.4518	14.18851
X08FA06_A_28	0.1233	0.0085	6.893755	0.633	0.051	8.056872	243	0.839	0.738563	4.155541	204.5226	22.39956
X08FA06_B_28	0.112	0.011	9.821429	0.615	0.046	7.479675	243	0.839	0.715719	3.766336	202.0508	25.35489
X08FA06_C_28	0.0934	0.0048	5.139186	0.602	0.053	8.803987	243	0.839	0.69922	4.356353	178.6009	18.29291
X08FA06_D_28	0.0954	0.0047	4.926625	0.538	0.041	7.620818	243	0.839	0.617997	3.453443	230.7477	19.90026
X08FA06_E_28	0.093	0.0045	4.83871	0.56	0.028	5	243	0.839	0.645917	2.336182	208.8581	14.26284
X08FA06_F_28	0.0976	0.0051	5.22541	0.568	0.033	5.809859	243	0.839	0.65607	2.744681	212.8376	16.37893
X08FA06_G_28	0.0967	0.0076	7.859359	0.585	0.039	6.666667	243	0.839	0.677645	3.223602	197.8774	20.3947
X08FA06_H_28	0.0958	0.0079	8.246347	0.533	0.033	6.19137	243	0.839	0.611651	2.786083	235.4774	23.82498
X08FA06_I_28	0.1088	0.0075	6.893382	0.533	0.037	6.941839	243	0.839	0.611651	3.12379	266.7788	25.29022
X08FA06_J_28	0.1075	0.0079	7.348837	0.487	0.035	7.186858	243	0.839	0.553272	3.029065	302.3739	29.41692
X08FA06_K_28	0.094	0.0081	8.617021	0.568	0.056	9.859155	243	0.839	0.65607	4.657641	205.1106	26.39225
X08FA06_L_28	0.0913	0.006	6.571742	0.564	0.059	10.46099	243	0.839	0.650994	4.914814	202.2054	24.24227
X08FA06_M_28	0.0944	0.0072	7.627119	0.48	0.024	5	243	0.839	0.544388	2.086121	271.4617	24.05909
X08FA06_A_29	0.275	0.017	6.181818	0.751	0.023	3.062583	243	0.839	0.888318	1.838578	195.0062	14.22501
X08FA06_B_29	0.209	0.019	9.090909	0.75	0.032	4.266667	243	0.839	0.887049	2.558239	150.4106	15.85553
X08FA06_C_29	0.1871	0.007	3.741315	0.724	0.038	5.248619	243	0.839	0.854052	3.04586	173.6708	12.572
X08FA06_D_29	0.1865	0.0089	4.772118	0.68	0.042	6.176471	243	0.839	0.798211	3.388079	238.1484	20.07534
X08FA06_E_29	0.1813	0.008	4.412576	0.672	0.025	3.720238	243	0.839	0.788058	2.019655	243.0633	14.80116
X08FA06_F_29	0.1669	0.0082	4.913122	0.685	0.026	3.79562	243	0.839	0.804557	2.095574	206.922	13.56532
X08FA06_G_29	0.1623	0.0066	4.066543	0.665	0.041	6.165414	243	0.839	0.779174	3.316728	226.9956	17.9515
X08FA06_H_29	0.1601	0.0077	4.809494	0.662	0.044	6.646526	243	0.839	0.775367	3.561567	227.7656	19.89517
X08FA06_I_29	0.104	0.032	30.76923	0.44	0.11	25	243	0.839	0.493624	9.834818	330.8509	122.8007

X08FA06_J_29	0.121	0.03	24.79339	0.482	0.099	20.53942	243	0.839	0.546927	8.594426	344.0574	105.7465
X08FA06_K_29	0.1636	0.0085	5.195599	0.614	0.021	3.420195	243	0.839	0.71445	1.719908	294.3284	18.73775
X08FA06_L_29	0.1521	0.0076	4.996713	0.627	0.036	5.741627	243	0.839	0.730948	2.937869	258.5504	20.31544
X08FA06_M_29	0.151	0.0064	4.238411	0.587	0.033	5.621806	243	0.839	0.680184	2.725782	304.0287	21.46138
X08FA06_A_30	0.1012	0.0095	9.387352	0.584	0.042	7.191781	243	0.839	0.676376	3.47278	207.7412	24.60699
X08FA06_B_30	0.094	0.01	10.6383	0.614	0.061	9.934853	243	0.839	0.71445	4.995922	170.7514	25.2046
X08FA06_C_30	0.0896	0.0082	9.151786	0.534	0.056	10.48689	243	0.839	0.612921	4.725671	219.7869	29.34706
X08FA06_D_30	0.0811	0.0062	7.644883	0.478	0.025	5.230126	243	0.839	0.54185	2.175809	235.18	21.03558
X08FA06_E_30	0.0754	0.0024	3.183024	0.506	0.027	5.335968	243	0.839	0.577385	2.311144	202.211	11.51813
X08FA06_F_30	0.0799	0.0037	4.630788	0.483	0.032	6.625259	243	0.839	0.548196	2.776263	228.6082	16.80332
X08FA06_G_30	0.0798	0.005	6.265664	0.424	0.032	7.54717	243	0.839	0.473318	2.898609	265.3987	23.08633
X08FA06_H_30	0.0872	0.0045	5.16055	0.418	0.036	8.61244	243	0.839	0.465703	3.27787	293.5561	25.00962
X08FA06_I_30	0.0834	0.0057	6.834532	0.482	0.024	4.979253	243	0.839	0.546927	2.083497	239.0969	19.46884
X08FA06_J_30	0.0802	0.0051	6.359102	0.487	0.028	5.749487	243	0.839	0.553272	2.423252	226.9182	18.43978
X08FA06_K_30	0.0795	0.0032	4.025157	0.487	0.033	6.776181	243	0.839	0.553272	2.855976	224.9718	15.97812
X08FA06_L_30	0.0857	0.006	7.001167	0.444	0.026	5.855856	243	0.839	0.4987	2.317411	271.1629	23.21146
X08FA06_M_30	0.0945	0.0053	5.608466	0.471	0.05	10.61571	243	0.839	0.532966	4.371512	278.4108	29.48532
X08FA06_A_31	0.0661	0.0043	6.505295	0.433	0.026	6.004619	243	0.839	0.48474	2.337587	215.9002	17.5647
X08FA06_B_31	0.0626	0.0027	4.313099	0.377	0.022	5.835544	243	0.839	0.41367	2.085053	232.372	14.17959
X08FA06_C_31	0.0619	0.0029	4.684976	0.363	0.02	5.509642	243	0.839	0.395902	1.925634	236.6573	14.60284
X08FA06_D_31	0.0617	0.0029	4.700162	0.348	0.026	7.471264	243	0.839	0.376866	2.549403	243.202	17.16451
X08FA06_E_31	0.063	0.0026	4.126984	0.332	0.019	5.722892	243	0.839	0.35656	1.90281	256.159	14.65312
X08FA06_F_31	0.065	0.003	4.615385	0.36	0.02	5.555556	243	0.839	0.392095	1.93245	249.8187	15.31584
X08FA06_G_31	0.0714	0.0033	4.621849	0.359	0.018	5.013928	243	0.839	0.390826	1.741276	274.4605	16.20568
X08FA06_H_31	0.072	0.0033	4.583333	0.373	0.023	6.16622	243	0.839	0.408593	2.189415	268.8131	17.3765
X08FA06_I_31	0.074	0.0037	5	0.391	0.022	5.626598	243	0.839	0.431437	2.054715	265.6735	17.5299
X08FA06_J_31	0.0749	0.0032	4.272363	0.393	0.028	7.124682	243	0.839	0.433976	2.609846	267.6626	18.40824
X08FA06_K_31	0.0715	0.0048	6.713287	0.383	0.027	7.049608	243	0.839	0.421285	2.542571	261.3698	22.42535
X08FA06_L_31	0.0695	0.0069	9.928058	0.422	0.026	6.161137	243	0.839	0.47078	2.359147	232.8479	26.01045
X08FA06_M_31	0.0721	0.0055	7.628294	0.404	0.026	6.435644	243	0.839	0.447936	2.397691	251.6168	23.07849
X08FA06_A_32	0.0671	0.0066	9.836066	0.495	0.053	10.70707	243	0.839	0.563425	4.56504	186.1292	25.29367

X08FA06_B_32	0.0554	0.0029	5.234657	0.346	0.035	10.11561	243	0.839	0.374327	3.440629	219.662	19.29037
X08FA06_C_32	0.0505	0.0026	5.148515	0.324	0.024	7.407407	243	0.839	0.346407	2.430786	209.3372	15.04912
X08FA06_D_32	0.0529	0.0026	4.914934	0.299	0.021	7.023411	243	0.839	0.314679	2.210594	229.5683	15.43142
X08FA06_E_32	0.0522	0.0023	4.40613	0.269	0.016	5.947955	243	0.839	0.276606	1.777947	238.9408	13.76799
X08FA06_F_32	0.0518	0.0024	4.633205	0.281	0.02	7.117438	243	0.839	0.291835	2.17235	232.2394	15.00241
X08FA06_G_32	0.0529	0.0025	4.725898	0.287	0.021	7.317073	243	0.839	0.29945	2.256446	234.5781	15.59206
X08FA06_H_32	0.057	0.0025	4.385965	0.295	0.025	8.474576	243	0.839	0.309603	2.649318	248.8191	17.42577
X08FA06_I_32	0.0541	0.0033	6.099815	0.31	0.034	10.96774	243	0.839	0.328639	3.516495	229.9859	21.76077
X08FA06_J_32	0.054	0.0029	5.37037	0.269	0.031	11.52416	243	0.839	0.276606	3.444772	247.0242	21.95981
X08FA06_K_32	0.052	0.0026	5	0.253	0.015	5.928854	243	0.839	0.2563	1.72287	244.5987	15.12046
X08FA06_L_32	0.0519	0.0024	4.624277	0.228	0.013	5.701754	243	0.839	0.224572	1.583689	254.3496	14.52495
X08FA06_M_32	0.0523	0.003	5.736138	0.229	0.019	8.296943	243	0.839	0.225841	2.308737	255.8603	19.19113
X08FA06_A_33	0.0491	0.0021	4.276986	0.286	0.015	5.244755	243	0.839	0.298181	1.614612	218.3975	11.89379
X08FA06_B_33	0.0467	0.0014	2.997859	0.227	0.021	9.251101	243	0.839	0.223303	2.564831	229.682	13.87747
X08FA06_C_33	0.0433	0.0018	4.157044	0.1807	0.0095	5.257333	243	0.839	0.164543	1.336919	229.0819	11.51616
X08FA06_D_33	0.0411	0.0012	2.919708	0.1742	0.009	5.166475	243	0.839	0.156294	1.297874	219.7496	8.727133
X08FA06_E_33	0.0416	0.0013	3.125	0.185	0.012	6.486486	243	0.839	0.17	1.662889	218.8253	10.14974
X08FA06_F_33	0.0405	0.0011	2.716049	0.1476	0.0092	6.233062	243	0.839	0.122535	1.491467	225.1116	9.235273
X08FA06_G_33	0.0393	0.0011	2.798982	0.143	0.011	7.692308	243	0.839	0.116697	1.826078	219.983	10.28869
X08FA06_H_33	0.04055	0.00089	2.194821	0.1313	0.0087	6.626047	243	0.839	0.101849	1.543485	230.6043	8.886566
X08FA06_I_33	0.04022	0.00099	2.461462	0.1342	0.0067	4.992548	243	0.839	0.105529	1.16819	227.8395	7.865746
X08FA06_J_33	0.042	0.0016	3.809524	0.1307	0.0053	4.055088	243	0.839	0.101087	0.943746	238.8982	10.33896
X08FA06_K_33	0.0412	0.0012	2.912621	0.1348	0.0088	6.52819	243	0.839	0.106291	1.528955	233.0967	10.01615
X08FA06_L_33	0.0399	0.0011	2.756892	0.1362	0.0091	6.681351	243	0.839	0.108067	1.568322	225.4278	9.573293
X08FA06_M_33	0.0407	0.0011	2.702703	0.1404	0.0088	6.267806	243	0.839	0.113398	1.48141	228.5184	9.32201
X08FA06_A_34	0.163	0.0099	6.07362	0.644	0.058	9.006211	243	0.839	0.752523	4.713293	254.9324	29.09465
X08FA06_B_34	0.142	0.019	13.38028	0.584	0.062	10.61644	243	0.839	0.676376	5.126485	289.637	49.74485
X08FA06_C_34	0.0833	0.0075	9.003601	0.469	0.04	8.528785	243	0.839	0.530428	3.501881	247.347	28.69895
X08FA06_D_34	0.0674	0.0042	6.231454	0.412	0.046	11.16505	243	0.839	0.458089	4.210833	231.256	24.6201
X08FA06_E_34	0.0542	0.003	5.535055	0.31	0.019	6.129032	243	0.839	0.328639	1.9651	230.4036	15.90411
X08FA06_F_3	0.0492	0.0014	2.845528	0.28	0.021	7.5	243	0.839	0.290566	2.285165	221.1689	12.10247

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X08FA06_G_34	0.049	0.0014	2.857143	0.255	0.019	7.45098	243	0.839	0.258838	2.172908	229.9631	12.16455
X08FA06_H_34	0.0482	0.0016	3.319502	0.24	0.018	7.5	243	0.839	0.239801	2.129158	231.9822	12.74089
X08FA06_I_34	0.0469	0.0017	3.624733	0.236	0.02	8.474576	243	0.839	0.234725	2.388452	227.3155	13.85915
X08FA06_J_34	0.0477	0.002	4.192872	0.24	0.016	6.666667	243	0.839	0.239801	1.892585	229.6181	13.19067
X08FA06_K_34	0.0493	0.0016	3.245436	0.2339	0.008	3.420265	243	0.839	0.23206	0.960285	239.5512	9.197176
X08FA06_L_34	0.0466	0.002	4.291845	0.225	0.014	6.222222	243	0.839	0.220765	1.718766	229.9346	12.85896
X08FA06_M_34	0.047	0.0025	5.319149	0.231	0.015	6.493506	243	0.839	0.228379	1.813524	229.6473	15.03382
X08FA06_A_35	0.0528	0.0038	7.19697	0.357	0.03	8.403361	243	0.839	0.388288	2.909098	204.9172	19.24018
X08FA06_B_35	0.0553	0.0024	4.339964	0.329	0.028	8.510638	243	0.839	0.352752	2.815854	226.7018	16.38432
X08FA06_C_35	0.0535	0.0018	3.364486	0.295	0.017	5.762712	243	0.839	0.309603	1.801537	233.8144	11.72725
X08FA06_D_35	0.0521	0.0011	2.111324	0.297	0.016	5.387205	243	0.839	0.312141	1.689871	226.9798	9.199741
X08FA06_E_35	0.0531	0.0012	2.259887	0.287	0.024	8.362369	243	0.839	0.29945	2.578796	235.449	13.48904
X08FA06_F_35	0.0516	0.0023	4.457364	0.237	0.011	4.64135	243	0.839	0.235994	1.310482	249.2536	13.12754
X08FA06_G_35	0.0524	0.0021	4.007634	0.235	0.014	5.957447	243	0.839	0.233456	1.675982	253.8675	13.5141
X08FA06_H_35	0.0529	0.0021	3.969754	0.225	0.018	8	243	0.839	0.220765	2.209842	260.4003	15.76714
X08FA06_I_35	0.0512	0.0021	4.101563	0.24	0.022	9.166667	243	0.839	0.239801	2.602305	246.1486	16.60509
X08FA06_J_35	0.0518	0.0016	3.088803	0.232	0.014	6.034483	243	0.839	0.229648	1.688405	252.2392	11.76158
X08FA06_K_35	0.0499	0.0024	4.809619	0.224	0.014	6.25	243	0.839	0.219496	1.723268	246.3037	14.83873
X08FA06_L_35	0.0506	0.002	3.952569	0.224	0.014	6.25	243	0.839	0.219496	1.723268	249.6928	13.33743
X08FA06_M_35	0.049	0.0023	4.693878	0.233	0.015	6.437768	243	0.839	0.230918	1.804528	238.4677	14.36797
X08FA06_A_36	0.0649	0.005	7.70416	0.433	0.033	7.621247	243	0.839	0.48474	2.966937	212.0445	20.92903
X08FA06_B_36	0.0722	0.004	5.540166	0.446	0.022	4.932735	243	0.839	0.501239	1.957902	228.057	15.72984
X08FA06_C_36	0.0755	0.0042	5.562914	0.444	0.023	5.18018	243	0.839	0.4987	2.050017	239.4808	16.83878
X08FA06_D_36	0.0783	0.0049	6.257982	0.479	0.026	5.427975	243	0.839	0.543119	2.261399	226.5833	17.78167
X08FA06_E_36	0.0864	0.0067	7.75463	0.503	0.042	8.349901	243	0.839	0.573578	3.601093	233.2337	25.08686
X08FA06_F_36	0.096	0.0076	7.916667	0.592	0.067	11.31757	243	0.839	0.686529	5.524836	191.1316	26.31566
X08FA06_G_36	0.1222	0.0086	7.037643	0.604	0.059	9.768212	243	0.839	0.701758	4.846524	230.7604	28.08099
X08FA06_H_36	0.1417	0.0094	6.633733	0.618	0.032	5.177994	243	0.839	0.719526	2.617836	251.2407	21.61515
X08FA06_I_36	0.156	0.011	7.051282	0.614	0.045	7.32899	243	0.839	0.71445	3.685516	280.949	29.22587
X08FA06_J_36	0.162	0.011	6.790123	0.604	0.038	6.291391	243	0.839	0.701758	3.12149	304.1691	28.66491

X08FA06_K_36	0.1459	0.0074	5.071967	0.632	0.057	9.018987	243	0.839	0.737294	4.645606	242.4661	26.10197
X08FA06_L_36	0.1438	0.0099	6.884562	0.584	0.075	12.84247	243	0.839	0.676376	6.201393	293.2262	42.41606
X08FA06_M_36	0.1193	0.0094	7.879296	0.512	0.047	9.179688	243	0.839	0.585	4.010077	311.5094	35.78367
X08FA06_A_37	0.0537	0.0067	12.47672	0.291	0.029	9.965636	243	0.839	0.304526	3.094308	236.3671	33.44343
X08FA06_B_37	0.0486	0.002	4.115226	0.279	0.016	5.734767	243	0.839	0.289297	1.744301	218.9012	12.00122
X08FA06_C_37	0.0557	0.0028	5.02693	0.312	0.029	9.294872	243	0.839	0.331177	2.990104	235.7858	18.7342
X08FA06_D_37	0.0597	0.0028	4.690117	0.351	0.028	7.977208	243	0.839	0.380673	2.735194	234.048	17.15189
X08FA06_E_37	0.063	0.003	4.761905	0.336	0.018	5.357143	243	0.839	0.361636	1.792858	254.1774	15.4356
X08FA06_F_37	0.0666	0.0023	3.453453	0.342	0.025	7.309942	243	0.839	0.369251	2.470328	265.2668	16.30313
X08FA06_G_37	0.0671	0.0023	3.42772	0.347	0.02	5.763689	243	0.839	0.375596	1.963568	264.5837	14.0634
X08FA06_H_37	0.0646	0.003	4.643963	0.351	0.021	5.982906	243	0.839	0.380673	2.051396	252.8858	15.96227
X08FA06_I_37	0.0626	0.0019	3.035144	0.325	0.027	8.307692	243	0.839	0.347676	2.730712	258.0096	16.42681
X08FA06_J_37	0.0613	0.0017	2.773246	0.331	0.016	4.833837	243	0.839	0.355291	1.604583	249.8612	10.79668
X08FA06_K_37	0.0591	0.0029	4.906937	0.315	0.027	8.571429	243	0.839	0.334985	2.771186	248.5074	18.72752
X08FA06_L_37	0.0579	0.0032	5.52677	0.279	0.023	8.243728	243	0.839	0.289297	2.507432	259.9555	19.76621
X08FA06_M_37	0.0589	0.0029	4.923599	0.265	0.017	6.415094	243	0.839	0.271529	1.90418	270.8264	17.19399
X08FA06_A_38	0.0552	0.006	10.86957	0.357	0.051	14.28571	243	0.839	0.388288	4.945467	214.0787	31.91053
X08FA06_B_38	0.0463	0.0021	4.535637	0.253	0.014	5.533597	243	0.839	0.2563	1.608012	218.2353	12.33006
X08FA06_C_38	0.0514	0.0022	4.280156	0.286	0.019	6.643357	243	0.839	0.298181	2.045175	228.4487	13.75282
X08FA06_D_38	0.0555	0.0024	4.324324	0.295	0.016	5.423729	243	0.839	0.309603	1.695564	242.3928	13.55981
X08FA06_E_38	0.0579	0.0028	4.835924	0.278	0.018	6.47482	243	0.839	0.288028	1.965992	260.4105	16.54167
X08FA06_F_38	0.0528	0.0018	3.409091	0.263	0.016	6.08365	243	0.839	0.268991	1.799454	244.1324	12.32248
X08FA06_G_38	0.0516	0.0017	3.294574	0.264	0.014	5.30303	243	0.839	0.27026	1.571322	238.2785	11.04252
X08FA06_H_38	0.0526	0.0018	3.422053	0.258	0.012	4.651163	243	0.839	0.262645	1.363647	245.2965	10.93151
X08FA06_I_38	0.0532	0.0019	3.571429	0.246	0.014	5.691057	243	0.839	0.247416	1.633187	253.0652	12.47951
X08FA06_J_38	0.0518	0.0024	4.633205	0.256	0.02	7.8125	243	0.839	0.260107	2.282389	242.4511	16.04965
X08FA06_K_38	0.0533	0.0021	3.939962	0.269	0.017	6.319703	243	0.839	0.276606	1.889069	243.8819	13.5536
X08FA06_L_38	0.0548	0.0016	2.919708	0.272	0.015	5.514706	243	0.839	0.280413	1.657101	249.3198	11.21805
X08FA06_M_38	0.0549	0.002	3.642987	0.26	0.011	4.230769	243	0.839	0.265184	1.244792	254.9489	11.46461
X08FA06_A_39	0.1011	0.0096	9.495549	0.493	0.054	10.95335	243	0.839	0.560887	4.656634	280.0137	37.9519
X08FA06_B_39	0.0846	0.007	8.274232	0.437	0.048	10.98398	243	0.839	0.489817	4.301714	272.3998	33.12671

X08FA06_C_39	0.0878	0.0074	8.428246	0.445	0.044	9.88764	243	0.839	0.49997	3.918779	276.9783	32.49084
X08FA06_D_39	0.0821	0.0062	7.551766	0.447	0.041	9.17226	243	0.839	0.502508	3.646061	258.0631	27.58147
X08FA06_E_39	0.0838	0.0072	8.591885	0.443	0.035	7.900677	243	0.839	0.497431	3.121987	265.931	28.77117
X08FA06_F_39	0.0915	0.0059	6.448087	0.463	0.037	7.991361	243	0.839	0.522814	3.252517	275.4954	25.72907
X08FA06_G_39	0.0809	0.0051	6.304079	0.513	0.038	7.407407	243	0.839	0.586269	3.240472	212.2344	19.47854
X08FA06_H_39	0.0792	0.004	5.050505	0.506	0.037	7.312253	243	0.839	0.577385	3.167123	212.236	17.45629
X08FA06_I_39	0.0864	0.006	6.944444	0.446	0.042	9.41704	243	0.839	0.501239	3.737812	271.9763	28.28255
X08FA06_J_39	0.0859	0.007	8.14901	0.44	0.047	10.68182	243	0.839	0.493624	4.20215	274.477	32.74181
X08FA06_K_39	0.0914	0.0058	6.345733	0.462	0.036	7.792208	243	0.839	0.521544	3.16681	275.9171	25.22541
X08FA06_L_39	0.0879	0.0054	6.143345	0.463	0.026	5.615551	243	0.839	0.522814	2.285553	264.8758	20.67187
X08FA06_M_39	0.0813	0.0042	5.166052	0.486	0.027	5.555556	243	0.839	0.552003	2.338136	230.6175	16.34003
X08FA06_A_40	0.0497	0.0022	4.426559	0.323	0.018	5.572755	243	0.839	0.345138	1.825722	206.4672	12.02814
X08FA06_B_40	0.0455	0.0013	2.857143	0.297	0.025	8.417508	243	0.839	0.312141	2.640424	198.6644	12.10257
X08FA06_C_40	0.0449	0.0021	4.67706	0.252	0.018	7.142857	243	0.839	0.255031	2.071951	212.0991	13.45991
X08FA06_D_40	0.0468	0.0015	3.205128	0.219	0.019	8.675799	243	0.839	0.21315	2.370168	233.1201	13.56945
X08FA06_E_40	0.046	0.0017	3.695652	0.207	0.012	5.797101	243	0.839	0.197921	1.548815	233.562	11.45904
X08FA06_F_40	0.044	0.0011	2.5	0.214	0.012	5.607477	243	0.839	0.206804	1.517803	221.1467	8.841519
X08FA06_G_40	0.0487	0.0035	7.186858	0.235	0.02	8.510638	243	0.839	0.233456	2.394261	236.2661	20.74909
X08FA06_H_40	0.0499	0.0026	5.210421	0.239	0.013	5.439331	243	0.839	0.238532	1.541368	240.4069	14.81217
X08FA06_I_40	0.0501	0.0022	4.391218	0.236	0.016	6.779661	243	0.839	0.234725	1.910761	242.537	14.37159
X08FA06_J_40	0.0487	0.0026	5.338809	0.23	0.014	6.086957	243	0.839	0.22711	1.696879	238.1863	15.33166
X08FA06_K_40	0.0486	0.0022	4.526749	0.218	0.014	6.422018	243	0.839	0.211881	1.75121	242.303	14.11667
X08FA06_L_40	0.0472	0.0022	4.661017	0.217	0.011	5.069124	243	0.839	0.210612	1.379736	235.8213	12.99695
X08FA06_M_40	0.0474	0.0018	3.797468	0.221	0.013	5.882353	243	0.839	0.215688	1.612963	235.307	11.93023
X08FA07_A_1	0.057	0.0027	4.736842	0.266	0.014	5.263158	251	0.842	0.2716	1.565171	262.2403	15.17844
X08FA07_B_1	0.0522	0.002	3.831418	0.245	0.01	4.081633	251	0.842	0.245044	1.169457	249.1669	11.39376
X08FA07_C_1	0.0553	0.003	5.424955	0.243	0.019	7.81893	251	0.842	0.242515	2.232226	264.5309	18.94407
X08FA07_D_1	0.056	0.002	3.571429	0.244	0.018	7.377049	251	0.842	0.243779	2.109861	267.3729	15.07412
X08FA07_E_1	0.0547	0.0011	2.010969	0.214	0.011	5.140187	251	0.842	0.205842	1.391813	274.1234	9.609331
X08FA07_F_1	0.0558	0.0023	4.121864	0.229	0.02	8.733624	251	0.842	0.22481	2.430926	272.9811	17.74891
X08FA07_G_1	0.0623	0.0032	5.136437	0.287	0.016	5.574913	251	0.842	0.298156	1.719235	275.8802	17.39909
X08FA07_H_1	0.0657	0.0038	5.783866	0.309	0.023	7.443366	251	0.842	0.325977	2.382357	279.3284	21.35675

X08FA07_I_1	0.0632	0.0037	5.85443	0.282	0.021	7.446809	251	0.842	0.291833	2.276899	282.2465	21.36375
X08FA07_J_1	0.0613	0.0033	5.383361	0.302	0.029	9.602649	251	0.842	0.317125	3.037631	264.3533	21.86708
X08FA07_K_1	0.0609	0.0022	3.612479	0.27	0.022	8.148148	251	0.842	0.276658	2.440111	277.8973	17.21929
X08FA07_L_1	0.0672	0.0049	7.291667	0.35	0.043	12.28571	251	0.842	0.377825	4.204775	264.0434	29.93007
X08FA07_M_1	0.0704	0.0056	7.954545	0.357	0.041	11.48459	251	0.842	0.386677	3.974765	272.5013	31.22635
X08FA07_A_2	0.0561	0.0056	9.982175	0.348	0.045	12.93103	251	0.842	0.375296	4.411467	222.0518	30.02812
X08FA07_B_2	0.0481	0.0016	3.326403	0.255	0.024	9.411765	251	0.842	0.25769	2.745159	226.1562	14.7586
X08FA07_C_2	0.0501	0.0015	2.994012	0.214	0.011	5.140187	251	0.842	0.205842	1.391813	251.5146	10.47691
X08FA07_D_2	0.0501	0.0017	3.393214	0.2224	0.0097	4.361511	251	0.842	0.216464	1.199406	248.2144	10.50713
X08FA07_E_2	0.0512	0.0011	2.148438	0.218	0.011	5.045872	251	0.842	0.2109	1.37641	255.3238	9.088322
X08FA07_F_2	0.0515	0.0017	3.300971	0.219	0.014	6.392694	251	0.842	0.212165	1.747014	256.387	12.55993
X08FA07_G_2	0.0516	0.0024	4.651163	0.218	0.017	7.798165	251	0.842	0.2109	2.12718	257.2792	16.52412
X08FA07_H_2	0.0552	0.0024	4.347826	0.225	0.012	5.333333	251	0.842	0.219752	1.473667	271.8323	14.56726
X08FA07_I_2	0.0547	0.0019	3.473492	0.2296	0.0064	2.787456	251	0.842	0.225569	0.776713	267.4532	10.38238
X08FA07_J_2	0.0573	0.0024	4.188482	0.234	0.017	7.264957	251	0.842	0.231133	2.040623	277.9255	16.58738
X08FA07_K_2	0.0583	0.0022	3.773585	0.237	0.015	6.329114	251	0.842	0.234927	1.78745	281.3062	14.92891
X08FA07_L_2	0.0563	0.0029	5.150977	0.223	0.017	7.623318	251	0.842	0.217223	2.098707	278.0137	18.84947
X08FA07_M_2	0.0561	0.0023	4.099822	0.23	0.019	8.26087	251	0.842	0.226075	2.303537	273.9796	17.23786
X08FA07_A_3	0.118	0.026	22.0339	0.579	0.088	15.19862	251	0.842	0.667415	7.281635	248.1519	66.47522
X08FA07_B_3	0.0673	0.0048	7.132244	0.391	0.034	8.695652	251	0.842	0.429673	3.174264	242.8023	23.58278
X08FA07_C_3	0.055	0.0023	4.181818	0.339	0.026	7.669617	251	0.842	0.363915	2.578836	221.6705	14.95748
X08FA07_D_3	0.0519	0.0016	3.082852	0.318	0.027	8.490566	251	0.842	0.337358	2.758465	217.9723	13.99586
X08FA07_E_3	0.0526	0.0019	3.612167	0.304	0.024	7.894737	251	0.842	0.319654	2.505768	226.6607	14.23563
X08FA07_F_3	0.0533	0.0023	4.315197	0.296	0.024	8.108108	251	0.842	0.309537	2.539023	232.9775	15.78998
X08FA07_G_3	0.0527	0.0021	3.98482	0.306	0.018	5.882353	251	0.842	0.322183	1.873313	226.2546	12.58256
X08FA07_H_3	0.0537	0.0021	3.910615	0.283	0.02	7.067138	251	0.842	0.293098	2.16453	240.1796	14.2602
X08FA07_I_3	0.0537	0.0019	3.538175	0.268	0.018	6.716418	251	0.842	0.274129	2.004345	246.5029	13.42127
X08FA07_J_3	0.0532	0.0014	2.631579	0.292	0.016	5.479452	251	0.842	0.304479	1.704264	234.2213	10.26331
X08FA07_K_3	0.0567	0.0024	4.232804	0.28	0.016	5.714286	251	0.842	0.289304	1.741167	254.6703	14.22262
X08FA07_L_3	0.0577	0.003	5.199307	0.282	0.018	6.382979	251	0.842	0.291833	1.951628	258.169	17.10252
X08FA07_M_3	0.0564	0.0025	4.432624	0.287	0.017	5.923345	251	0.842	0.298156	1.826687	250.2538	14.64099
X08FA07_A_4	0.1069	0.0075	7.015903	0.547	0.038	6.946984	251	0.842	0.626948	3.184909	252.0846	24.31522
X08FA07_B_4	0.0961	0.0053	5.515088	0.548	0.039	7.116788	251	0.842	0.628212	3.267291	226.3034	19.6645
X08FA07_C_4	0.0946	0.007	7.399577	0.519	0.038	7.321773	251	0.842	0.59154	3.227671	244.3997	24.41361
X08FA07_D_4	0.0811	0.0049	6.041924	0.503	0.029	5.765408	251	0.842	0.571306	2.484523	220.3149	17.50889
X08FA07_E_4	0.0873	0.0068	7.789233	0.495	0.02	4.040404	251	0.842	0.56119	1.721357	242.3375	20.99636
X08FA07_F_4	0.0908	0.0063	6.938326	0.466	0.022	4.72103	251	0.842	0.524517	1.928688	272.4763	22.05639

X08FA07_G_4	0.0904	0.0077	8.517699	0.525	0.048	9.142857	251	0.842	0.599127	4.064693	229.4777	27.44794
X08FA07_H_4	0.0839	0.0047	5.601907	0.484	0.025	5.165289	251	0.842	0.547279	2.166057	240.3202	17.31636
X08FA07_I_4	0.0897	0.0066	7.35786	0.497	0.022	4.426559	251	0.842	0.563719	1.891283	247.4655	20.83765
X08FA07_J_4	0.0682	0.0038	5.571848	0.442	0.037	8.371041	251	0.842	0.494167	3.301064	218.6374	19.18363
X08FA07_K_4	0.0771	0.0068	8.819715	0.452	0.037	8.185841	251	0.842	0.506812	3.27616	240.5778	26.87628
X08FA07_L_4	0.0745	0.0045	6.040268	0.444	0.028	6.306306	251	0.842	0.496696	2.494242	237.2943	18.90799
X08FA07_M_4	0.0808	0.0057	7.054455	0.476	0.035	7.352941	251	0.842	0.537162	3.047955	236.6798	22.43756
X08FA07_A_5	0.0539	0.0034	6.307978	0.22	0.022	10	251	0.842	0.213429	2.737867	267.6685	22.78896
X08FA07_B_5	0.0544	0.0025	4.595588	0.236	0.015	6.355932	251	0.842	0.233662	1.791777	263.2922	15.64236
X08FA07_C_5	0.0586	0.0031	5.290102	0.242	0.016	6.61157	251	0.842	0.24125	1.884145	280.436	18.58952
X08FA07_D_5	0.0623	0.0032	5.136437	0.269	0.017	6.319703	251	0.842	0.275394	1.889252	284.633	18.52969
X08FA07_E_5	0.0596	0.0027	4.530201	0.247	0.018	7.287449	251	0.842	0.247573	2.095474	282.7927	17.81622
X08FA07_F_5	0.0595	0.003	5.042017	0.249	0.015	6.024096	251	0.842	0.250102	1.738406	281.3999	17.59216
X08FA07_G_5	0.0635	0.0031	4.88189	0.255	0.015	5.882353	251	0.842	0.25769	1.715724	296.9186	18.1067
X08FA07_H_5	0.0596	0.0019	3.187919	0.258	0.012	4.651163	251	0.842	0.261483	1.363844	277.6756	11.89375
X08FA07_I_5	0.0596	0.0028	4.697987	0.272	0.015	5.514706	251	0.842	0.279187	1.65724	271.157	15.9031
X08FA07_J_5	0.0569	0.0024	4.217926	0.247	0.011	4.453441	251	0.842	0.247573	1.280567	270.2464	13.60469
X08FA07_K_5	0.0576	0.0029	5.034722	0.241	0.013	5.394191	251	0.842	0.239985	1.534454	276.2012	16.6182
X08FA07_L_5	0.0565	0.0032	5.663717	0.252	0.015	5.952381	251	0.842	0.253896	1.726921	266.1762	18.00193
X08FA07_M_5	0.0543	0.0023	4.235727	0.239	0.024	10.04184	251	0.842	0.237456	2.846259	261.5429	18.91162
X08FA07_A_6	0.265	0.036	13.58491	0.79	0.11	13.92405	251	0.842	0.934242	8.75696	111.3674	24.85107
X08FA07_B_6	0.246	0.031	12.60163	0.85	0.1	11.76471	251	0.842	1.010117	7.951878	-16.0632	-3.25617
X08FA07_C_6	0.314	0.054	17.19745	0.803	0.09	11.20797	251	0.842	0.950681	7.161085	99.06464	22.30355
X08FA07_D_6	0.522	0.096	18.3908	0.781	0.039	4.993598	251	0.842	0.92286	3.106149	254.4869	50.19239
X08FA07_E_6	0.404	0.076	18.81188	0.774	0.081	10.46512	251	0.842	0.914008	6.453872	220.1502	50.892
X08FA07_F_6	0.22	0.031	14.09091	0.649	0.059	9.090909	251	0.842	0.755935	4.783019	337.1622	58.68315
X08FA07_G_6	0.176	0.018	10.22727	0.605	0.045	7.438017	251	0.842	0.700294	3.691214	331.3726	42.74816
X08FA07_H_6	0.203	0.03	14.77833	0.609	0.045	7.389163	251	0.842	0.705352	3.686717	374.4914	63.36899
X08FA07_I_6	0.174	0.016	9.195402	0.705	0.054	7.659574	251	0.842	0.826752	4.332702	191.4566	24.50682
X08FA07_J_6	0.162	0.011	6.790123	0.678	0.055	8.112094	251	0.842	0.792608	4.432357	213.0243	24.13932
X08FA07_K_6	0.16	0.019	11.875	0.618	0.039	6.31068	251	0.842	0.716733	3.186768	285.7412	39.25667
X08FA07_L_6	0.122	0.028	22.95082	0.619	0.046	7.431341	251	0.842	0.717998	3.75769	218.0542	53.33951
X08FA07_M_6	0.0907	0.0052	5.733186	0.513	0.034	6.62768	251	0.842	0.583952	2.897	238.7815	19.79776
X08FA07_A_7	0.255	0.024	9.411765	0.84	0.11	13.09524	251	0.842	0.997471	8.746859	4.156194	0.825834
X08FA07_B_7	0.211	0.023	10.90047	0.724	0.059	8.149171	251	0.842	0.850779	4.722086	199.8394	29.20726
X08FA07_C_7	0.223	0.02	8.96861	0.669	0.065	9.715994	251	0.842	0.781227	5.247156	307.0662	43.26947
X08FA07_D_7	0.21	0.016	7.619048	0.727	0.043	5.914718	251	0.842	0.854573	3.440311	193.9251	20.17941

X08FA07_E_7	0.206	0.015	7.281553	0.662	0.071	10.72508	251	0.842	0.772375	5.739592	295.4042	40.96069
X08FA07_F_7	0.211	0.014	6.635071	0.62	0.06	9.677419	251	0.842	0.719262	4.89996	370.9752	45.03439
X08FA07_G_7	0.225	0.015	6.666667	0.614	0.049	7.980456	251	0.842	0.711675	4.00849	405.1936	43.45762
X08FA07_H_7	0.299	0.056	18.7291	0.668	0.063	9.431138	251	0.842	0.779962	5.086705	410.7491	89.76754
X08FA07_I_7	0.503	0.07	13.9165	0.688	0.047	6.831395	251	0.842	0.805254	3.781037	602.4259	99.24701
X08FA07_J_7	0.378	0.066	17.46032	0.559	0.044	7.871199	251	0.842	0.642123	3.669055	817.9027	163.0838
X08FA07_K_7	0.161	0.047	29.19255	0.417	0.041	9.832134	251	0.842	0.462552	3.734638	534.9771	165.9285
X08FA07_L_7	0.062	0.0049	7.903226	0.288	0.028	9.722222	251	0.842	0.299421	3.003342	274.0953	27.73585
X08FA07_M_7	0.0553	0.0022	3.9783	0.223	0.015	6.726457	251	0.842	0.217223	1.8518	273.1788	15.14964
X08FA07_A_8	0.0434	0.0024	5.529954	0.279	0.035	12.5448	251	0.842	0.28804	3.815867	196.1729	18.74549
X08FA07_B_8	0.042	0.0016	3.809524	0.236	0.013	5.508475	251	0.842	0.233662	1.552874	204.2163	10.19004
X08FA07_C_8	0.0419	0.0021	5.011933	0.198	0.014	7.070707	251	0.842	0.185608	1.858352	216.3013	13.71086
X08FA07_D_8	0.0414	0.002	4.830918	0.214	0.015	7.009346	251	0.842	0.205842	1.897927	208.5365	13.00842
X08FA07_E_8	0.0433	0.0017	3.926097	0.219	0.015	6.849315	251	0.842	0.212165	1.871801	216.2406	11.91863
X08FA07_F_8	0.0437	0.0015	3.432494	0.218	0.015	6.880734	251	0.842	0.2109	1.876923	218.5491	11.29738
X08FA07_G_8	0.0437	0.002	4.576659	0.2	0.014	7	251	0.842	0.188137	1.846661	224.7448	13.43638
X08FA07_H_8	0.0443	0.002	4.514673	0.1939	0.0099	5.105725	251	0.842	0.180424	1.331645	229.9027	12.25661
X08FA07_I_8	0.0456	0.0025	5.482456	0.196	0.013	6.632653	251	0.842	0.183079	1.736707	235.7745	15.56656
X08FA07_J_8	0.046	0.0022	4.782609	0.1945	0.0095	4.884319	251	0.842	0.181182	1.275332	238.3471	13.14742
X08FA07_K_8	0.0453	0.0015	3.311258	0.194	0.0092	4.742268	251	0.842	0.18055	1.237082	234.9633	9.883826
X08FA07_L_8	0.0459	0.0013	2.832244	0.194	0.011	5.670103	251	0.842	0.18055	1.47912	238.0187	9.922514
X08FA07_M_8	0.0479	0.0016	3.340292	0.196	0.011	5.612245	251	0.842	0.183079	1.469522	247.4412	11.21346
X08FA07_A_9	0.0807	0.0035	4.337051	0.42	0.021	5	251	0.842	0.466346	1.90783	271.8089	16.01715
X08FA07_B_9	0.0812	0.0032	3.940887	0.408	0.021	5.147059	251	0.842	0.451171	1.928526	281.0666	15.82225
X08FA07_C_9	0.081	0.0038	4.691358	0.385	0.02	5.194805	251	0.842	0.422085	1.878776	294.9136	18.11252
X08FA07_D_9	0.0758	0.0053	6.992084	0.38	0.022	5.789474	251	0.842	0.415762	2.077622	279.3401	23.17812
X08FA07_E_9	0.0691	0.0033	4.775687	0.347	0.021	6.051873	251	0.842	0.374031	2.061305	272.974	17.56772
X08FA07_F_9	0.0671	0.003	4.470939	0.342	0.022	6.432749	251	0.842	0.367708	2.173465	267.8577	17.0324
X08FA07_G_9	0.0665	0.002	3.007519	0.325	0.02	6.153846	251	0.842	0.34621	2.022488	274.3492	14.11169
X08FA07_H_9	0.0666	0.0029	4.354354	0.314	0.022	7.006369	251	0.842	0.3323	2.261234	280.4735	17.97168
X08FA07_I_9	0.0634	0.0036	5.678233	0.306	0.028	9.150327	251	0.842	0.322183	2.914042	271.2383	22.50193
X08FA07_J_9	0.0627	0.0029	4.625199	0.304	0.022	7.236842	251	0.842	0.319654	2.296954	269.2855	17.90147
X08FA07_K_9	0.0615	0.0027	4.390244	0.315	0.023	7.301587	251	0.842	0.333565	2.360427	258.9404	17.0106
X08FA07_L_9	0.0647	0.0033	5.100464	0.337	0.032	9.495549	251	0.842	0.361385	3.182459	260.9996	21.68848
X08FA07_M_9	0.0664	0.0028	4.216867	0.37	0.023	6.216216	251	0.842	0.403117	2.196106	250.5581	15.5376
X08FA07_A_10	0.0648	0.0046	7.098765	0.352	0.039	11.07955	251	0.842	0.380354	3.804121	253.7816	26.87824
X08FA07_B_10	0.0655	0.004	6.10687	0.34	0.044	12.94118	251	0.842	0.365179	4.358395	262.6239	28.46564

X08FA07_C_10	0.063	0.003	4.761905	0.291	0.026	8.934708	251	0.842	0.303215	2.774222	276.9463	20.65762
X08FA07_D_10	0.0603	0.0029	4.809287	0.276	0.031	11.23188	251	0.842	0.284246	3.398836	272.3903	23.12621
X08FA07_E_10	0.0632	0.0036	5.696203	0.309	0.041	13.26861	251	0.842	0.325977	4.24681	268.9181	28.02253
X08FA07_F_10	0.058	0.0025	4.310345	0.227	0.019	8.370044	251	0.842	0.222281	2.321231	284.4154	18.39466
X08FA07_G_10	0.0559	0.0028	5.008945	0.239	0.017	7.112971	251	0.842	0.237456	2.0161	269.0909	17.64527
X08FA07_H_10	0.0613	0.0066	10.76672	0.257	0.04	15.5642	251	0.842	0.260219	4.555771	285.9011	41.10177
X08FA07_I_10	0.064	0.006	9.375	0.31	0.041	13.22581	251	0.842	0.327242	4.240179	271.751	34.99259
X08FA07_J_10	0.0549	0.0022	4.007286	0.229	0.02	8.733624	251	0.842	0.22481	2.430926	268.6686	17.26196
X08FA07_K_10	0.0611	0.0047	7.692308	0.303	0.048	15.84158	251	0.842	0.31839	5.01964	263.03	33.86557
X08FA07_L_10	0.0569	0.0032	5.623902	0.259	0.022	8.494208	251	0.842	0.262748	2.495129	264.9065	20.30045
X08FA07_M_10	0.0586	0.0044	7.508532	0.237	0.019	8.016878	251	0.842	0.234927	2.264104	282.7225	25.29186
X08FA07_A_11	0.0554	0.0033	5.956679	0.308	0.036	11.68831	251	0.842	0.324712	3.734771	236.7647	22.9996
X08FA07_B_11	0.0498	0.0028	5.62249	0.267	0.035	13.10861	251	0.842	0.272865	3.905102	229.3062	22.42539
X08FA07_C_11	0.0455	0.0031	6.813187	0.233	0.016	6.866953	251	0.842	0.229869	1.925329	222.021	17.65396
X08FA07_D_11	0.0424	0.0016	3.773585	0.22	0.016	7.272727	251	0.842	0.213429	1.991176	211.4845	11.78424
X08FA07_E_11	0.0445	0.0025	5.617978	0.214	0.016	7.476636	251	0.842	0.205842	2.024455	223.8835	15.75698
X08FA07_F_11	0.0436	0.0026	5.963303	0.182	0.02	10.98901	251	0.842	0.165375	2.802837	230.4154	19.17068
X08FA07_G_11	0.0433	0.0021	4.849885	0.193	0.019	9.84456	251	0.842	0.179285	2.563273	225.1093	16.14661
X08FA07_H_11	0.0461	0.0012	2.603037	0.214	0.012	5.607477	251	0.842	0.205842	1.518342	231.7902	9.432592
X08FA07_I_11	0.0458	0.0014	3.056769	0.1939	0.0092	4.744714	251	0.842	0.180424	1.237488	237.5455	9.510179
X08FA07_J_11	0.0452	0.0013	2.876106	0.1774	0.009	5.073281	251	0.842	0.159558	1.28288	240.3494	9.431586
X08FA07_K_11	0.043	0.0017	3.953488	0.1811	0.0099	5.466593	251	0.842	0.164237	1.391949	227.6043	11.19223
X08FA07_L_11	0.0445	0.0015	3.370787	0.185	0.012	6.486486	251	0.842	0.169169	1.663765	234.0365	11.27901
X08FA07_M_11	0.0446	0.0016	3.587444	0.201	0.016	7.960199	251	0.842	0.189402	2.103898	228.9412	12.8739
X08FA07_A_12	0.0579	0.0025	4.317789	0.373	0.027	7.238606	251	0.842	0.40691	2.56938	217.6531	14.84107
X08FA07_B_12	0.0607	0.0028	4.61285	0.334	0.02	5.988024	251	0.842	0.357592	1.997146	246.5954	15.3202
X08FA07_C_12	0.0552	0.0028	5.072464	0.343	0.017	4.956268	251	0.842	0.368973	1.677303	220.7237	13.64107
X08FA07_D_12	0.0532	0.0027	5.075188	0.32	0.021	6.5625	251	0.842	0.339887	2.139118	222.5007	15.00958
X08FA07_E_12	0.0537	0.0022	4.096834	0.331	0.02	6.042296	251	0.842	0.353798	2.005422	219.9036	12.81254
X08FA07_F_12	0.0585	0.0019	3.247863	0.315	0.023	7.301587	251	0.842	0.333565	2.360427	246.5476	14.38522
X08FA07_G_12	0.0568	0.0024	4.225352	0.307	0.02	6.514658	251	0.842	0.323448	2.078154	243.0826	14.66572

X08FA07_H_12	0.0538	0.0016	2.973978	0.344	0.024	6.976744	251	0.842	0.370237	2.364882	214.7939	12.19129
X08FA07_I_12	0.0555	0.0021	3.783784	0.347	0.021	6.051873	251	0.842	0.374031	2.061305	220.1541	12.51999
X08FA07_J_12	0.0534	0.0025	4.681648	0.336	0.017	5.059524	251	0.842	0.360121	1.692964	216.5914	12.71415
X08FA07_K_12	0.0563	0.0043	7.637655	0.35	0.023	6.571429	251	0.842	0.377825	2.249066	221.9431	19.98416
X08FA07_L_12	0.0554	0.0026	4.693141	0.348	0.02	5.747126	251	0.842	0.375296	1.960652	219.3277	13.62987
X08FA07_M_12	0.0492	0.002	4.065041	0.328	0.015	4.573171	251	0.842	0.350004	1.510401	202.9272	10.4324
X08FA07_A_13	0.0716	0.0035	4.888268	0.338	0.03	8.87574	251	0.842	0.36265	2.979554	287.6625	22.63405
X08FA07_B_13	0.0667	0.0043	6.446777	0.323	0.018	5.572755	251	0.842	0.343681	1.8255	276.1989	20.87397
X08FA07_C_13	0.0616	0.0032	5.194805	0.299	0.023	7.692308	251	0.842	0.313331	2.421061	267.0663	19.33519
X08FA07_D_13	0.0574	0.0027	4.703833	0.266	0.023	8.646617	251	0.842	0.2716	2.571353	264.0434	18.75718
X08FA07_E_13	0.0546	0.0021	3.846154	0.25	0.025	10	251	0.842	0.251367	2.890909	258.2567	18.2721
X08FA07_F_13	0.0547	0.0019	3.473492	0.213	0.016	7.511737	251	0.842	0.204577	2.030197	274.5507	14.96984
X08FA07_G_13	0.0539	0.002	3.710575	0.231	0.016	6.926407	251	0.842	0.22734	1.934945	263.03	14.37765
X08FA07_H_13	0.0541	0.0022	4.066543	0.239	0.018	7.531381	251	0.842	0.237456	2.134694	260.5988	15.66103
X08FA07_I_13	0.0543	0.0021	3.867403	0.229	0.011	4.803493	251	0.842	0.22481	1.337009	265.7921	12.74569
X08FA07_J_13	0.0577	0.0022	3.812825	0.243	0.012	4.938272	251	0.842	0.242515	1.409827	275.7693	13.34734
X08FA07_K_13	0.0576	0.0026	4.513889	0.234	0.015	6.410256	251	0.842	0.231133	1.800549	279.3495	16.46418
X08FA07_L_13	0.0572	0.0024	4.195804	0.251	0.022	8.76494	251	0.842	0.252631	2.538385	269.8531	18.12488
X08FA07_M_13	0.0564	0.0017	3.014184	0.264	0.017	6.439394	251	0.842	0.269071	1.90826	260.4179	12.91111
X08FA07_A_14	0.0876	0.0058	6.621005	0.436	0.034	7.798165	251	0.842	0.486579	3.047814	283.601	26.04029
X08FA07_B_14	0.107	0.024	22.42991	0.485	0.066	13.60825	251	0.842	0.548544	5.714839	304.1119	77.91934
X08FA07_C_14	0.09	0.011	12.22222	0.457	0.04	8.752735	251	0.842	0.513135	3.528924	276.4543	39.74383
X08FA07_D_14	0.091	0.013	14.28571	0.466	0.036	7.725322	251	0.842	0.524517	3.156034	273.0639	43.41689
X08FA07_E_14	0.0817	0.0051	6.24235	0.424	0.038	8.962264	251	0.842	0.471404	3.440374	272.5529	25.81243
X08FA07_F_14	0.097	0.014	14.43299	0.467	0.045	9.635974	251	0.842	0.525781	3.942348	289.9121	48.58457
X08FA07_G_14	0.091	0.014	15.38462	0.406	0.04	9.852217	251	0.842	0.448642	3.680238	315.5874	54.92705
X08FA07_H_14	0.0826	0.0064	7.748184	0.381	0.034	8.923885	251	0.842	0.417027	3.207438	303.1755	31.14978
X08FA07_I_14	0.081	0.0065	8.024691	0.386	0.043	11.1399	251	0.842	0.42335	4.03516	294.2828	34.17762
X08FA07_J_14	0.0801	0.0042	5.243446	0.419	0.043	10.26253	251	0.842	0.465081	3.909923	270.4559	25.95303
X08FA07_K_14	0.084	0.0053	6.309524	0.468	0.022	4.700855	251	0.842	0.527046	1.92606	251.1477	18.90473
X08FA07_L_14	0.0783	0.0065	8.301405	0.474	0.034	7.172996	251	0.842	0.534633	2.964742	230.7174	23.91864

X08FA07_M_14	0.076	0.0071	9.342105	0.428	0.04	9.345794	251	0.842	0.476462	3.60923	251.524	30.21089
X08FA07_A_15	0.0676	0.0036	5.325444	0.493	0.039	7.910751	251	0.842	0.55866	3.36061	189.5127	16.47139
X08FA07_B_15	0.0668	0.0034	5.08982	0.468	0.033	7.051282	251	0.842	0.527046	2.88909	200.5127	15.66354
X08FA07_C_15	0.0654	0.0029	4.434251	0.443	0.034	7.674944	251	0.842	0.495431	3.03106	209.2894	15.95747
X08FA07_D_15	0.0663	0.0023	3.46908	0.415	0.037	8.915663	251	0.842	0.460023	3.376285	226.7497	17.49639
X08FA07_E_15	0.0674	0.0033	4.896142	0.409	0.037	9.046455	251	0.842	0.452435	3.394738	233.6254	19.88415
X08FA07_F_15	0.0685	0.0034	4.963504	0.393	0.029	7.379135	251	0.842	0.432202	2.702009	245.9748	18.3711
X08FA07_G_15	0.0678	0.004	5.899705	0.395	0.029	7.341772	251	0.842	0.434731	2.696626	242.4435	19.71821
X08FA07_H_15	0.0642	0.0048	7.476636	0.414	0.034	8.21256	251	0.842	0.458758	3.105316	220.1943	21.7352
X08FA07_I_15	0.0594	0.0044	7.407407	0.394	0.031	7.86802	251	0.842	0.433467	2.885468	213.365	20.33825
X08FA07_J_15	0.0621	0.0038	6.119163	0.361	0.026	7.202216	251	0.842	0.391735	2.508542	239.0156	19.23952
X08FA07_K_15	0.0645	0.0042	6.511628	0.38	0.028	7.368421	251	0.842	0.415762	2.644246	238.4571	20.34576
X08FA07_L_15	0.0635	0.0041	6.456693	0.383	0.022	5.744125	251	0.842	0.419556	2.071	233.329	18.20094
X08FA07_M_15	0.0632	0.0037	5.85443	0.383	0.025	6.527415	251	0.842	0.419556	2.353409	232.2463	17.73973
X08FA07_A_16	0.0458	0.0023	5.021834	0.237	0.018	7.594937	251	0.842	0.234927	2.14494	222.0171	14.90173
X08FA07_B_16	0.0456	0.0017	3.72807	0.232	0.014	6.034483	251	0.842	0.228604	1.688851	222.8598	11.39725
X08FA07_C_16	0.0487	0.0021	4.312115	0.211	0.016	7.582938	251	0.842	0.202048	2.041856	245.7645	14.86047
X08FA07_D_16	0.047	0.0012	2.553191	0.208	0.012	5.769231	251	0.842	0.198254	1.544846	238.4492	9.728933
X08FA07_E_16	0.0498	0.0019	3.815261	0.2026	0.0083	4.096742	251	0.842	0.191425	1.086017	254.4878	11.38595
X08FA07_F_16	0.0522	0.0018	3.448276	0.1948	0.0097	4.979466	251	0.842	0.181562	1.300907	269.6862	11.88586
X08FA07_G_16	0.0507	0.0018	3.550296	0.194	0.013	6.701031	251	0.842	0.18055	1.748051	262.4094	13.33105
X08FA07_H_16	0.0504	0.002	3.968254	0.189	0.012	6.349206	251	0.842	0.174227	1.640819	262.8602	13.80066
X08FA07_I_16	0.0474	0.0023	4.852321	0.1825	0.0096	5.260274	251	0.842	0.166007	1.342934	249.9268	14.11785
X08FA07_J_16	0.049	0.002	4.081633	0.182	0.01	5.494505	251	0.842	0.165375	1.401418	258.3883	13.04031
X08FA07_K_16	0.0476	0.0014	2.941176	0.1737	0.009	5.181347	251	0.842	0.154879	1.30118	254.2446	10.17613
X08FA07_L_16	0.0473	0.0015	3.171247	0.18	0.013	7.222222	251	0.842	0.162846	1.835195	250.3369	12.36989
X08FA07_M_16	0.0478	0.0015	3.138075	0.201	0.022	10.94527	251	0.842	0.189402	2.89286	245.059	16.41924
X08FA07_A_17	0.0528	0.0032	6.060606	0.292	0.022	7.534247	251	0.842	0.304479	2.343363	232.4916	18.11163
X08FA07_B_17	0.0542	0.0026	4.797048	0.2716	0.0092	3.387334	251	0.842	0.278682	1.01723	247.2237	13.11877
X08FA07_C_17	0.0562	0.0027	4.80427	0.276	0.014	5.072464	251	0.842	0.284246	1.534958	254.2299	14.76722
X08FA07_D_17	0.0563	0.0021	3.730018	0.275	0.025	9.090909	251	0.842	0.282981	2.746203	255.1146	17.25418

X08FA07_E_17	0.0536	0.0023	4.291045	0.283	0.02	7.067138	251	0.842	0.293098	2.16453	239.7406	14.8711
X08FA07_F_17	0.0568	0.0036	6.338028	0.284	0.02	7.042254	251	0.842	0.294362	2.160614	253.3301	19.78933
X08FA07_G_17	0.0594	0.0026	4.377104	0.265	0.014	5.283019	251	0.842	0.270335	1.568327	273.5155	15.02806
X08FA07_H_17	0.0599	0.0021	3.505843	0.306	0.02	6.535948	251	0.842	0.322183	2.081459	256.5585	14.22907
X08FA07_I_17	0.061	0.0035	5.737705	0.281	0.023	8.185053	251	0.842	0.290569	2.498319	273.103	21.19031
X08FA07_J_17	0.0648	0.0027	4.166667	0.328	0.037	11.28049	251	0.842	0.350004	3.725655	265.9587	23.13863
X08FA07_K_17	0.0645	0.0034	5.271318	0.308	0.027	8.766234	251	0.842	0.324712	2.801078	274.8374	21.56227
X08FA07_L_17	0.0621	0.0046	7.407407	0.295	0.03	10.16949	251	0.842	0.308273	3.179148	271.1312	26.97594
X08FA07_M_17	0.0497	0.0015	3.018109	0.243	0.018	7.407407	251	0.842	0.242515	2.11474	238.2316	12.59755
X08FA07_A_18	0.0458	0.0017	3.71179	0.176	0.013	7.386364	251	0.842	0.157787	1.862906	243.9837	13.06423
X08FA07_B_18	0.0452	0.0019	4.20354	0.187	0.015	8.02139	251	0.842	0.171698	2.065197	236.9407	14.20753
X08FA07_C_18	0.0461	0.0015	3.253796	0.188	0.011	5.851064	251	0.842	0.172962	1.509251	241.2092	10.89919
X08FA07_D_18	0.047	0.0014	2.978723	0.1904	0.0072	3.781513	251	0.842	0.175997	0.979822	244.9444	8.89547
X08FA07_E_18	0.0481	0.0013	2.702703	0.1964	0.0086	4.378819	251	0.842	0.183585	1.147418	248.3038	8.969223
X08FA07_F_18	0.0503	0.0016	3.180915	0.196	0.01	5.102041	251	0.842	0.183079	1.335929	259.5927	10.99459
X08FA07_G_18	0.0523	0.0011	2.10325	0.202	0.012	5.940594	251	0.842	0.190667	1.573047	267.2477	10.31799
X08FA07_H_18	0.0529	0.0016	3.024575	0.205	0.019	9.268293	251	0.842	0.19446	2.46798	269.0095	15.8827
X08FA07_I_18	0.0545	0.0029	5.321101	0.225	0.019	8.444444	251	0.842	0.219752	2.333306	268.4559	19.37208
X08FA07_J_18	0.0556	0.0027	4.856115	0.2331	0.0079	3.389103	251	0.842	0.229995	0.950396	270.2412	14.37625
X08FA07_K_18	0.0587	0.0016	2.725724	0.239	0.012	5.020921	251	0.842	0.237456	1.423129	282.2785	11.36147
X08FA07_L_18	0.0612	0.0021	3.431373	0.239	0.012	5.020921	251	0.842	0.237456	1.423129	294.0305	13.39807
X08FA07_M_18	0.0594	0.0021	3.535354	0.254	0.013	5.11811	251	0.842	0.256425	1.490168	278.6188	13.1523
X08FA07_A_19	0.0562	0.0023	4.092527	0.268	0.017	6.343284	251	0.842	0.274129	1.892993	257.7523	14.64462
X08FA07_B_19	0.0568	0.002	3.521127	0.281	0.02	7.117438	251	0.842	0.290569	2.172452	254.6656	14.51099
X08FA07_C_19	0.0564	0.0028	4.964539	0.259	0.017	6.563707	251	0.842	0.262748	1.928054	262.6254	16.82806
X08FA07_D_19	0.0616	0.0026	4.220779	0.301	0.03	9.966777	251	0.842	0.31586	3.147516	266.1026	20.55736
X08FA07_E_19	0.0575	0.0038	6.608696	0.296	0.017	5.743243	251	0.842	0.309537	1.798475	250.983	19.22808
X08FA07_F_19	0.0547	0.0026	4.753199	0.258	0.016	6.20155	251	0.842	0.261483	1.818458	255.2924	15.56699
X08FA07_G_19	0.0534	0.0024	4.494382	0.234	0.021	8.974359	251	0.842	0.231133	2.520769	259.3844	17.85132
X08FA07_H_19	0.0549	0.0012	2.185792	0.209	0.01	4.784689	251	0.842	0.199519	1.283596	277.2485	9.544768
X08FA07_I_19	0.054	0.0011	2.037037	0.204	0.011	5.392157	251	0.842	0.193196	1.433161	274.9077	9.868481

X08FA07_J_19	0.0517	0.0016	3.094778	0.211	0.011	5.21327	251	0.842	0.202048	1.403776	260.6019	11.10283
X08FA07_K_19	0.0503	0.0013	2.584493	0.209	0.014	6.698565	251	0.842	0.199519	1.797035	254.4704	11.48007
X08FA07_L_19	0.0495	0.0014	2.828283	0.2	0.011	5.5	251	0.842	0.188137	1.450948	253.9932	10.48918
X08FA07_M_19	0.049	0.0013	2.653061	0.2232	0.0082	3.673835	251	0.842	0.217476	1.011782	242.5582	8.24235
X08FA07_A_20	0.0545	0.0026	4.770642	0.302	0.03	9.933775	251	0.842	0.317125	3.142377	235.5575	18.90226
X08FA07_B_20	0.0551	0.002	3.629764	0.277	0.024	8.66426	251	0.842	0.28551	2.626398	248.9167	16.1836
X08FA07_C_20	0.0581	0.0018	3.098107	0.283	0.026	9.187279	251	0.842	0.293098	2.813889	259.4682	16.98632
X08FA07_D_20	0.058	0.0016	2.758621	0.286	0.019	6.643357	251	0.842	0.296892	2.045228	257.6677	12.95712
X08FA07_E_20	0.0572	0.0018	3.146853	0.266	0.023	8.646617	251	0.842	0.2716	2.571353	263.142	16.17306
X08FA07_F_20	0.0586	0.0022	3.754266	0.288	0.016	5.555556	251	0.842	0.299421	1.716196	259.3625	13.44829
X08FA07_G_20	0.0579	0.0021	3.626943	0.306	0.015	4.901961	251	0.842	0.322183	1.561094	248.155	12.09611
X08FA07_H_20	0.0564	0.0023	4.078014	0.301	0.021	6.976744	251	0.842	0.31586	2.203261	244.0591	14.91688
X08FA07_I_20	0.0575	0.0028	4.869565	0.298	0.017	5.704698	251	0.842	0.312067	1.792456	250.0813	15.40075
X08FA07_J_20	0.0576	0.0034	5.902778	0.3	0.019	6.333333	251	0.842	0.314596	1.996705	249.6045	18.11201
X08FA07_K_20	0.0599	0.0027	4.507513	0.294	0.024	8.163265	251	0.842	0.307008	2.547646	262.1871	18.1784
X08FA07_L_20	0.0607	0.0028	4.61285	0.29	0.02	6.896552	251	0.842	0.30195	2.137732	267.5168	17.15665
X08FA07_M_20	0.0588	0.0035	5.952381	0.313	0.02	6.389776	251	0.842	0.331035	2.058812	248.7104	18.32683
X08FA07_A_21	0.0508	0.0018	3.543307	0.198	0.011	5.555556	251	0.842	0.185608	1.460133	261.3261	12.23402
X08FA07_B_21	0.0536	0.0028	5.223881	0.21	0.016	7.619048	251	0.842	0.200783	2.047774	270.4004	18.30481
X08FA07_C_21	0.0555	0.0027	4.864865	0.227	0.013	5.726872	251	0.842	0.222281	1.588211	272.4114	16.14615
X08FA07_D_21	0.056	0.0016	2.857143	0.226	0.014	6.19469	251	0.842	0.221017	1.714809	275.2514	12.54056
X08FA07_E_21	0.0583	0.0018	3.087479	0.247	0.017	6.882591	251	0.842	0.247573	1.979058	276.7549	14.1797
X08FA07_F_21	0.0649	0.0041	6.317411	0.284	0.014	4.929577	251	0.842	0.294362	1.51243	288.6588	20.64478
X08FA07_G_21	0.0727	0.0041	5.639615	0.3	0.021	7	251	0.842	0.314596	2.206884	313.471	22.96295
X08FA07_H_21	0.0655	0.0035	5.343511	0.267	0.01	3.745318	251	0.842	0.272865	1.115743	299.9385	17.75459
X08FA07_I_21	0.0671	0.0045	6.706408	0.313	0.022	7.028754	251	0.842	0.331035	2.264693	283.0572	23.3748
X08FA07_J_21	0.0729	0.0043	5.898491	0.325	0.025	7.692308	251	0.842	0.34621	2.528109	300.147	23.82576
X08FA07_K_21	0.0677	0.0025	3.692762	0.331	0.016	4.833837	251	0.842	0.353798	1.604338	276.0224	13.78165
X08FA07_L_21	0.0707	0.0038	5.374823	0.323	0.017	5.263158	251	0.842	0.343681	1.724084	292.3923	19.0733
X08FA07_M_21	0.0709	0.0042	5.923836	0.335	0.023	6.865672	251	0.842	0.358856	2.293589	286.5702	21.91768
X08FA07_A_22	0.0427	0.0012	2.810304	0.139	0.01	7.194245	251	0.842	0.110998	1.69803	240.1781	10.77789

X08FA07_B_22	0.0406	0.0015	3.694581	0.123	0.0063	5.121951	251	0.842	0.090765	1.180613	233.682	10.42572
X08FA07_C_22	0.0411	0.0012	2.919708	0.1099	0.0044	4.00364	251	0.842	0.074199	0.910733	240.7373	8.435565
X08FA07_D_22	0.0404	0.0011	2.722772	0.1059	0.0039	3.68272	251	0.842	0.06914	0.835947	237.9813	7.741206
X08FA07_E_22	0.0408	0.001	2.45098	0.0965	0.0054	5.595855	251	0.842	0.057253	1.271009	243.3055	8.749784
X08FA07_F_22	0.0395	0.0013	3.291139	0.095	0.0059	6.210526	251	0.842	0.055356	1.412137	236.1588	10.42329
X08FA07_G_22	0.0413	0.0014	3.389831	0.094	0.0046	4.893617	251	0.842	0.054092	1.113707	247.0411	10.20674
X08FA07_H_22	0.0417	0.0013	3.117506	0.0921	0.0033	3.583062	251	0.842	0.051689	0.817219	250.0094	8.966907
X08FA07_I_22	0.042	0.0012	2.857143	0.0951	0.0042	4.416404	251	0.842	0.055483	1.004111	250.7854	8.924613
X08FA07_J_22	0.0415	0.0012	2.891566	0.0918	0.0042	4.575163	251	0.842	0.05131	1.043914	248.9308	9.045504
X08FA07_K_22	0.0396	0.0013	3.282828	0.0914	0.0044	4.814004	251	0.842	0.050804	1.099027	237.8659	9.565912
X08FA07_L_22	0.0395	0.0012	3.037975	0.0941	0.0044	4.675877	251	0.842	0.054218	1.064049	236.4381	8.926571
X08FA07_M_22	0.0391	0.0013	3.324808	0.0915	0.0048	5.245902	251	0.842	0.05093	1.197457	234.8859	9.794629
X08FA07_A_23	0.054	0.0038	7.037037	0.324	0.029	8.950617	251	0.842	0.344946	2.936831	224.0882	20.86781
X08FA07_B_23	0.0559	0.0028	5.008945	0.35	0.029	8.285714	251	0.842	0.377825	2.835779	220.3929	16.9427
X08FA07_C_23	0.0642	0.0039	6.074766	0.323	0.03	9.287926	251	0.842	0.343681	3.042501	266.0573	23.31272
X08FA07_D_23	0.0697	0.0042	6.025825	0.343	0.033	9.620991	251	0.842	0.368973	3.255941	277.4718	25.10627
X08FA07_E_23	0.0599	0.0024	4.006678	0.273	0.029	10.62271	251	0.842	0.280452	3.197815	272.0253	20.9351
X08FA07_F_23	0.0619	0.0025	4.038772	0.3	0.022	7.333333	251	0.842	0.314596	2.311974	267.8562	16.76944
X08FA07_G_23	0.0615	0.0026	4.227642	0.295	0.024	8.135593	251	0.842	0.308273	2.543318	268.5654	18.11303
X08FA07_H_23	0.0607	0.0021	3.459638	0.309	0.035	11.32686	251	0.842	0.325977	3.625326	258.4909	21.15372
X08FA07_I_23	0.0682	0.002	2.932551	0.346	0.021	6.069364	251	0.842	0.372767	2.063943	270.0251	13.9481
X08FA07_J_23	0.064	0.0039	6.09375	0.312	0.023	7.371795	251	0.842	0.329771	2.371276	270.7506	21.31668
X08FA07_K_23	0.0578	0.0032	5.536332	0.275	0.021	7.636364	251	0.842	0.282981	2.30681	261.7754	19.22494
X08FA07_L_23	0.0569	0.0025	4.393673	0.303	0.019	6.270627	251	0.842	0.31839	1.986941	245.2889	14.79441
X08FA07_M_23	0.0654	0.0048	7.33945	0.318	0.025	7.861635	251	0.842	0.337358	2.554134	273.4827	24.93309
X08FA07_A_24	0.0656	0.0035	5.335366	0.296	0.02	6.756757	251	0.842	0.309537	2.115853	285.5666	19.85308
X08FA07_B_24	0.0704	0.0024	3.409091	0.355	0.035	9.859155	251	0.842	0.384148	3.401356	273.6015	21.23179
X08FA07_C_24	0.0754	0.0045	5.96817	0.402	0.028	6.965174	251	0.842	0.443583	2.585942	264.9323	21.32309
X08FA07_D_24	0.0809	0.0044	5.438813	0.374	0.035	9.358289	251	0.842	0.408175	3.326985	301.4845	26.47043
X08FA07_E_24	0.0727	0.0032	4.401651	0.367	0.027	7.356948	251	0.842	0.399323	2.586861	275.5365	19.09406
X08FA07_F_24	0.0842	0.0056	6.650831	0.403	0.014	3.473945	251	0.842	0.444848	1.291738	294.4993	21.46405

X08FA07_G_24	0.0913	0.0055	6.024096	0.445	0.022	4.94382	251	0.842	0.49796	1.958259	288.9075	21.19625
X08FA07_H_24	0.0962	0.0036	3.742204	0.46	0.025	5.434783	251	0.842	0.516929	2.200866	292.8216	17.28465
X08FA07_I_24	0.0797	0.0078	9.7867	0.387	0.043	11.11111	251	0.842	0.424615	4.030979	289.0431	37.37529
X08FA07_J_24	0.0764	0.0051	6.675393	0.405	0.025	6.17284	251	0.842	0.447377	2.302311	266.5813	22.03384
X08FA07_K_24	0.1035	0.0086	8.309179	0.485	0.041	8.453608	251	0.842	0.548544	3.550128	294.388	32.83763
X08FA07_L_24	0.093	0.012	12.90323	0.452	0.056	12.38938	251	0.842	0.506812	4.958512	289.0938	47.93908
X08FA07_M_24	0.0729	0.0037	5.075446	0.375	0.037	9.866667	251	0.842	0.40944	3.513219	271.7221	24.01102
X08FA07_A_25	0.0756	0.0034	4.497354	0.422	0.03	7.109005	251	0.842	0.468875	2.72075	253.7816	18.24711
X08FA07_B_25	0.0792	0.0038	4.79798	0.441	0.028	6.349206	251	0.842	0.492902	2.50005	253.838	17.91637
X08FA07_C_25	0.0794	0.0047	5.919395	0.454	0.027	5.947137	251	0.842	0.509342	2.387205	246.3726	19.07075
X08FA07_D_25	0.0812	0.0064	7.881773	0.426	0.037	8.685446	251	0.842	0.473933	3.344154	269.6499	28.40253
X08FA07_E_25	0.0789	0.0045	5.703422	0.424	0.034	8.018868	251	0.842	0.471404	3.078229	263.4002	22.52382
X08FA07_F_25	0.0754	0.004	5.30504	0.417	0.027	6.47482	251	0.842	0.462552	2.459396	256.0775	18.87115
X08FA07_G_25	0.0686	0.0036	5.247813	0.405	0.034	8.395062	251	0.842	0.447377	3.131143	239.8647	19.93627
X08FA07_H_25	0.0657	0.0035	5.327245	0.359	0.025	6.963788	251	0.842	0.389206	2.417811	253.6334	18.58492
X08FA07_I_25	0.0709	0.0051	7.19323	0.331	0.023	6.94864	251	0.842	0.353798	2.306235	288.7812	25.18821
X08FA07_J_25	0.0707	0.0045	6.364922	0.33	0.019	5.757576	251	0.842	0.352533	1.907807	288.5357	21.86153
X08FA07_K_25	0.072	0.0043	5.972222	0.339	0.021	6.19469	251	0.842	0.363915	2.082906	288.6728	21.46193
X08FA07_L_25	0.0709	0.0044	6.205924	0.345	0.026	7.536232	251	0.842	0.371502	2.558646	281.0393	23.06449
X08FA07_M_25	0.0674	0.0041	6.083086	0.369	0.035	9.485095	251	0.842	0.401852	3.345688	254.7862	23.45934
X08FA07_A_26	0.0766	0.004	5.221932	0.428	0.033	7.71028	251	0.842	0.476462	2.977615	253.4712	20.4435
X08FA07_B_26	0.0715	0.0039	5.454545	0.38	0.026	6.842105	251	0.842	0.415762	2.455372	263.8134	19.73386
X08FA07_C_26	0.0718	0.0021	2.924791	0.366	0.022	6.010929	251	0.842	0.398058	2.11024	272.7576	14.29041
X08FA07_D_26	0.0671	0.0026	3.874814	0.38	0.021	5.526316	251	0.842	0.415762	1.983185	247.8868	13.99764
X08FA07_E_26	0.0671	0.003	4.470939	0.367	0.022	5.99455	251	0.842	0.399323	2.107812	254.7259	15.94649
X08FA07_F_26	0.0693	0.0018	2.597403	0.343	0.021	6.122449	251	0.842	0.368973	2.071963	275.913	13.77221
X08FA07_G_26	0.0664	0.0027	4.066265	0.336	0.02	5.952381	251	0.842	0.360121	1.991722	268.2362	15.57212
X08FA07_H_26	0.0651	0.0035	5.376344	0.333	0.021	6.306306	251	0.842	0.356327	2.099881	264.6185	18.40229
X08FA07_I_26	0.0685	0.0035	5.109489	0.341	0.025	7.331378	251	0.842	0.366444	2.473093	273.8648	19.86452
X08FA07_J_26	0.0693	0.0034	4.906205	0.337	0.024	7.121662	251	0.842	0.361385	2.386844	279.1598	19.49977
X08FA07_K_26	0.07	0.0034	4.857143	0.331	0.02	6.042296	251	0.842	0.353798	2.005422	285.1953	18.34194

X08FA07_L_26	0.0634	0.0032	5.047319	0.316	0.015	4.746835	251	0.842	0.334829	1.537083	266.281	16.04627
X08FA07_M_26	0.0632	0.0028	4.43038	0.319	0.017	5.329154	251	0.842	0.338623	1.73423	263.9746	15.14326
X08FA07_A_27	0.0542	0.0017	3.136531	0.233	0.015	6.437768	251	0.842	0.229869	1.804996	263.6162	12.85526
X08FA07_B_27	0.0549	0.0019	3.460838	0.24	0.024	10	251	0.842	0.238721	2.839519	263.9449	17.89306
X08FA07_C_27	0.0533	0.002	3.752345	0.208	0.011	5.288462	251	0.842	0.198254	1.416109	269.7515	12.93772
X08FA07_D_27	0.0499	0.0019	3.807615	0.194	0.014	7.216495	251	0.842	0.18055	1.882516	258.3507	14.09957
X08FA07_E_27	0.0503	0.002	3.976143	0.187	0.018	9.625668	251	0.842	0.171698	2.478236	263.1365	17.04371
X08FA07_F_27	0.053	0.0038	7.169811	0.22	0.02	9.090909	251	0.842	0.213429	2.48897	263.2891	23.41428
X08FA07_G_27	0.0579	0.003	5.181347	0.234	0.017	7.264957	251	0.842	0.231133	2.040623	280.7732	18.90037
X08FA07_H_27	0.0584	0.0021	3.59589	0.252	0.029	11.50794	251	0.842	0.253896	3.338714	274.939	21.26756
X08FA07_I_27	0.0615	0.0027	4.390244	0.294	0.023	7.823129	251	0.842	0.307008	2.441494	269.0463	18.01535
X08FA07_J_27	0.0599	0.0023	3.839733	0.283	0.026	9.187279	251	0.842	0.293098	2.813889	267.3423	18.56991
X08FA07_K_27	0.0562	0.0028	4.982206	0.275	0.026	9.454545	251	0.842	0.282981	2.856051	254.6703	19.65937
X08FA07_L_27	0.0539	0.0025	4.638219	0.258	0.032	12.4031	251	0.842	0.261483	3.636916	251.6307	22.09899
X08FA07_M_27	0.0541	0.0029	5.360444	0.238	0.031	13.02521	251	0.842	0.236192	3.685201	261.0223	24.23104
X08FA07_A_28	0.0758	0.0052	6.860158	0.435	0.04	9.195402	251	0.842	0.485315	3.588548	246.7131	24.92111
X08FA07_B_28	0.0809	0.0068	8.405439	0.482	0.048	9.958506	251	0.842	0.54475	4.16404	233.1521	28.03167
X08FA07_C_28	0.0852	0.0057	6.690141	0.454	0.056	12.3348	251	0.842	0.509342	4.95124	264.0059	32.1251
X08FA07_D_28	0.0763	0.0044	5.76671	0.412	0.035	8.495146	251	0.842	0.456229	3.202431	262.0603	23.00971
X08FA07_E_28	0.0758	0.0069	9.102902	0.438	0.024	5.479452	251	0.842	0.489108	2.147968	244.9287	25.07923
X08FA07_F_28	0.0693	0.0075	10.82251	0.385	0.04	10.38961	251	0.842	0.422085	3.757552	253.1397	33.92743
X08FA07_G_28	0.0567	0.0023	4.056437	0.349	0.025	7.163324	251	0.842	0.37656	2.447716	223.9394	14.47125
X08FA07_H_28	0.0554	0.0025	4.512635	0.317	0.032	10.09464	251	0.842	0.336094	3.274184	232.8454	18.8284
X08FA07_I_28	0.0571	0.0039	6.830123	0.326	0.052	15.95092	251	0.842	0.347475	5.250946	235.8216	30.01975
X08FA07_J_28	0.0727	0.0051	7.015131	0.402	0.03	7.462687	251	0.842	0.443583	2.770652	255.6309	23.26973
X08FA07_K_28	0.0683	0.005	7.320644	0.383	0.032	8.355091	251	0.842	0.419556	3.012363	250.6278	24.18454
X08FA07_L_28	0.0656	0.0036	5.487805	0.35	0.045	12.85714	251	0.842	0.377825	4.400346	257.8808	27.23071
X08FA07_M_28	0.0543	0.0032	5.893186	0.308	0.025	8.116883	251	0.842	0.324712	2.593591	232.1472	18.53111
X08FA07_A_29	0.0563	0.0027	4.795737	0.255	0.011	4.313725	251	0.842	0.25769	1.258198	263.9316	14.57428
X08FA07_B_29	0.0566	0.0026	4.59364	0.245	0.02	8.163265	251	0.842	0.245044	2.338915	269.7359	18.03434
X08FA07_C_29	0.0558	0.0021	3.763441	0.287	0.025	8.710801	251	0.842	0.298156	2.686304	247.642	16.53915

X08FA07_D_29	0.0623	0.0058	9.309791	0.327	0.036	11.00917	251	0.842	0.34874	3.630098	256.387	30.80543
X08FA07_E_29	0.0579	0.0068	11.74439	0.294	0.043	14.62585	251	0.842	0.307008	4.564532	253.6029	38.36133
X08FA07_F_29	0.0543	0.0027	4.972376	0.264	0.013	4.924242	251	0.842	0.269071	1.459258	250.9078	14.73473
X08FA07_G_29	0.0564	0.0024	4.255319	0.263	0.011	4.18251	251	0.842	0.267806	1.237277	260.8595	13.0909
X08FA07_H_29	0.0586	0.0023	3.924915	0.285	0.016	5.614035	251	0.842	0.295627	1.725382	260.7389	13.89099
X08FA07_I_29	0.0622	0.0052	8.360129	0.335	0.041	12.23881	251	0.842	0.358856	4.088571	252.0838	29.99361
X08FA07_J_29	0.0673	0.0051	7.578009	0.332	0.042	12.6506	251	0.842	0.355062	4.205554	273.8999	31.59979
X08FA07_K_29	0.061	0.0028	4.590164	0.3	0.022	7.333333	251	0.842	0.314596	2.311974	264.0403	17.5366
X08FA07_L_29	0.0619	0.0032	5.169628	0.309	0.03	9.708738	251	0.842	0.325977	3.107422	263.498	21.70565
X08FA07_M_29	0.0587	0.0039	6.643952	0.328	0.027	8.231707	251	0.842	0.350004	2.718721	241.3851	21.08208
X08FA07_A_30	0.0551	0.0032	5.807623	0.295	0.022	7.457627	251	0.842	0.308273	2.331375	241.133	18.2733
X08FA07_B_30	0.0553	0.0039	7.052441	0.284	0.024	8.450704	251	0.842	0.294362	2.592737	246.7665	21.98227
X08FA07_C_30	0.0596	0.0029	4.865772	0.325	0.022	6.769231	251	0.842	0.34621	2.224736	246.4197	16.54084
X08FA07_D_30	0.0713	0.0069	9.677419	0.397	0.041	10.32746	251	0.842	0.43726	3.804953	253.5974	31.76446
X08FA07_E_30	0.0639	0.006	9.389671	0.347	0.04	11.52738	251	0.842	0.374031	3.926296	252.8293	31.48537
X08FA07_F_30	0.0587	0.0028	4.770017	0.33	0.027	8.181818	251	0.842	0.352533	2.711094	240.4632	17.66928
X08FA07_G_30	0.0541	0.0029	5.360444	0.264	0.021	7.954545	251	0.842	0.269071	2.357263	250.0013	18.1718
X08FA07_H_30	0.0504	0.0019	3.769841	0.248	0.024	9.677419	251	0.842	0.248837	2.787681	239.5458	16.40445
X08FA07_I_30	0.0502	0.0031	6.175299	0.239	0.023	9.623431	251	0.842	0.237456	2.727665	242.1609	20.30118
X08FA07_J_30	0.0535	0.0023	4.299065	0.257	0.017	6.614786	251	0.842	0.260219	1.936203	250.2185	14.74535
X08FA07_K_30	0.0507	0.0018	3.550296	0.235	0.015	6.382979	251	0.842	0.232398	1.796143	246.1192	12.65854
X08FA07_L_30	0.0517	0.0016	3.094778	0.228	0.016	7.017544	251	0.842	0.223546	1.949707	253.7173	12.86971
X08FA07_M_30	0.0491	0.0024	4.887984	0.207	0.014	6.763285	251	0.842	0.19699	1.807662	249.2853	15.4342
X08FA07_A_31	0.048	0.0022	4.583333	0.188	0.015	7.978723	251	0.842	0.172962	2.058069	250.9595	15.74553
X08FA07_B_31	0.0493	0.0023	4.665314	0.175	0.01	5.714286	251	0.842	0.156523	1.438503	262.6403	14.6761
X08FA07_C_31	0.0548	0.0022	4.014599	0.19	0.011	5.789474	251	0.842	0.175492	1.498977	284.8802	14.57741
X08FA07_D_31	0.0559	0.002	3.577818	0.208	0.012	5.769231	251	0.842	0.198254	1.544846	282.6257	13.64321
X08FA07_E_31	0.053	0.002	3.773585	0.198	0.011	5.555556	251	0.842	0.185608	1.460133	272.4075	13.26301
X08FA07_F_31	0.0528	0.0021	3.977273	0.2	0.012	6	251	0.842	0.188137	1.582853	270.5755	14.03174
X08FA07_G_31	0.0568	0.0014	2.464789	0.215	0.021	9.767442	251	0.842	0.207106	2.649637	283.9754	16.94547
X08FA07_H_31	0.0528	0.002	3.787879	0.189	0.014	7.407407	251	0.842	0.174227	1.914289	275.114	15.11985

X08FA07_I_31	0.0534	0.0022	4.11985	0.207	0.013	6.280193	251	0.842	0.19699	1.678543	270.6646	14.67382
X08FA07_J_31	0.055	0.0019	3.454545	0.214	0.016	7.476636	251	0.842	0.205842	2.024455	275.5951	14.96884
X08FA07_K_31	0.0562	0.0016	2.846975	0.232	0.015	6.465517	251	0.842	0.228604	1.809483	273.5796	12.8555
X08FA07_L_31	0.0586	0.0018	3.071672	0.228	0.018	7.894737	251	0.842	0.223546	2.193421	286.8361	15.68878
X08FA07_M_31	0.0602	0.0024	3.986711	0.268	0.028	10.44776	251	0.842	0.274129	3.11787	275.7107	20.81503
X08FA07_A_32	0.0476	0.0018	3.781513	0.181	0.017	9.392265	251	0.842	0.16411	2.391088	251.5209	15.61847
X08FA07_B_32	0.0516	0.0017	3.294574	0.195	0.013	6.666667	251	0.842	0.181815	1.742348	266.5688	13.03824
X08FA07_C_32	0.0626	0.0083	13.25879	0.304	0.062	20.39474	251	0.842	0.319654	6.473234	268.8649	50.67786
X08FA07_D_32	0.0612	0.0061	9.96732	0.309	0.058	18.77023	251	0.842	0.325977	6.007683	260.5777	41.38016
X08FA07_E_32	0.0539	0.0015	2.782931	0.235	0.014	5.957447	251	0.842	0.232398	1.676401	261.3425	11.61097
X08FA07_F_32	0.0554	0.0015	2.707581	0.2588	0.0094	3.632148	251	0.842	0.262495	1.066548	258.1477	9.072261
X08FA07_G_32	0.0554	0.0017	3.068592	0.269	0.013	4.832714	251	0.842	0.275394	1.444722	253.7204	10.89801
X08FA07_H_32	0.0562	0.0027	4.80427	0.273	0.017	6.227106	251	0.842	0.280452	1.874581	255.551	15.86662
X08FA07_I_32	0.0535	0.0034	6.35514	0.244	0.017	6.967213	251	0.842	0.243779	1.992646	255.6701	19.5345
X08FA07_J_32	0.0536	0.0027	5.037313	0.235	0.011	4.680851	251	0.842	0.232398	1.317172	259.9169	15.05945
X08FA07_K_32	0.072	0.014	19.44444	0.344	0.059	17.15116	251	0.842	0.370237	5.813668	285.866	65.88462
X08FA07_L_32	0.07	0.014	20	0.333	0.062	18.61862	251	0.842	0.356327	6.199648	284.1033	67.98971
X08FA07_M_32	0.0579	0.0031	5.354059	0.288	0.021	7.291667	251	0.842	0.299421	2.252507	256.3251	18.27107
X08FA07_A_33	0.045	0.002	4.444444	0.186	0.011	5.913978	251	0.842	0.170433	1.519767	236.2649	12.94446
X08FA07_B_33	0.0454	0.0016	3.524229	0.194	0.016	8.247423	251	0.842	0.18055	2.151447	235.4727	13.32519
X08FA07_C_33	0.0467	0.0024	5.139186	0.244	0.027	11.06557	251	0.842	0.243779	3.164791	223.7307	18.5348
X08FA07_D_33	0.0561	0.003	5.347594	0.3	0.03	10	251	0.842	0.314596	3.152692	243.2255	20.46079
X08FA07_E_33	0.0626	0.0022	3.514377	0.311	0.023	7.395498	251	0.842	0.328506	2.374943	265.4377	15.99134
X08FA07_F_33	0.0655	0.0036	5.496183	0.355	0.029	8.169014	251	0.842	0.384148	2.818266	254.9296	20.43939
X08FA07_G_33	0.0666	0.0038	5.705706	0.364	0.023	6.318681	251	0.842	0.395529	2.211284	254.4305	18.70749
X08FA07_H_33	0.075	0.011	14.66667	0.438	0.043	9.817352	251	0.842	0.489108	3.848443	242.3917	40.7839
X08FA07_I_33	0.121	0.012	9.917355	0.57	0.04	7.017544	251	0.842	0.656033	3.320981	262.8665	31.94512
X08FA07_J_33	0.117	0.012	10.25641	0.574	0.038	6.620209	251	0.842	0.661092	3.15015	250.6772	30.69501
X08FA07_K_33	0.109	0.012	11.00917	0.533	0.037	6.941839	251	0.842	0.609244	3.121022	268.8821	34.65506
X08FA07_L_33	0.0868	0.0063	7.258065	0.489	0.035	7.157464	251	0.842	0.553602	3.023177	245.0637	23.55272
X08FA07_M_33	0.0909	0.0066	7.260726	0.486	0.04	8.230453	251	0.842	0.549808	3.4614	258.548	26.41083

X08FA07_A_34	0.0686	0.0049	7.142857	0.349	0.044	12.60745	251	0.842	0.37656	4.30798	269.9673	30.78203
X08FA07_B_34	0.0685	0.0048	7.007299	0.364	0.039	10.71429	251	0.842	0.395529	3.749568	261.5437	27.33746
X08FA07_C_34	0.0702	0.0038	5.413105	0.383	0.036	9.399478	251	0.842	0.419556	3.388909	257.4625	22.74443
X08FA07_D_34	0.069	0.0032	4.637681	0.348	0.031	8.908046	251	0.842	0.375296	3.039011	272.048	21.20904
X08FA07_E_34	0.0681	0.0037	5.433186	0.326	0.021	6.441718	251	0.842	0.347475	2.120574	280.2768	19.71407
X08FA07_F_34	0.0729	0.003	4.115226	0.343	0.028	8.163265	251	0.842	0.368973	2.762617	289.9285	20.3979
X08FA07_G_34	0.0674	0.0042	6.231454	0.354	0.033	9.322034	251	0.842	0.382883	3.210926	262.7037	23.94841
X08FA07_H_34	0.0627	0.0027	4.30622	0.316	0.025	7.911392	251	0.842	0.334829	2.561805	263.4002	17.96916
X08FA07_I_34	0.0614	0.0032	5.211726	0.328	0.019	5.792683	251	0.842	0.350004	1.913174	252.2735	16.61274
X08FA07_J_34	0.0625	0.0017	2.72	0.334	0.012	3.592814	251	0.842	0.357592	1.198288	253.7659	9.376135
X08FA07_K_34	0.0624	0.0017	2.724359	0.333	0.019	5.705706	251	0.842	0.356327	1.899892	253.8568	12.09457
X08FA07_L_34	0.0632	0.0017	2.689873	0.343	0.013	3.790087	251	0.842	0.368973	1.282644	252.0948	9.548927
X08FA07_M_34	0.0614	0.0032	5.211726	0.318	0.017	5.345912	251	0.842	0.337358	1.736811	257.0849	16.40633
X08FA07_A_35	0.0476	0.0016	3.361345	0.245	0.016	6.530612	251	0.842	0.245044	1.871132	227.5925	11.64239
X08FA07_B_35	0.0492	0.0013	2.642276	0.24	0.012	5	251	0.842	0.238721	1.41976	237.0381	9.358382
X08FA07_C_35	0.0503	0.0017	3.379722	0.248	0.014	5.645161	251	0.842	0.248837	1.626147	239.0792	11.41422
X08FA07_D_35	0.0515	0.0022	4.271845	0.255	0.015	5.882353	251	0.842	0.25769	1.715724	241.846	13.48923
X08FA07_E_35	0.0531	0.002	3.766478	0.264	0.021	7.954545	251	0.842	0.269071	2.357263	245.4671	15.08026
X08FA07_F_35	0.0547	0.0022	4.021938	0.254	0.016	6.299213	251	0.842	0.256425	1.834053	257.0066	14.25683
X08FA07_G_35	0.0569	0.0022	3.866432	0.248	0.014	5.645161	251	0.842	0.248837	1.626147	269.8015	13.90572
X08FA07_H_35	0.0588	0.0027	4.591837	0.268	0.021	7.835821	251	0.842	0.274129	2.338403	269.431	18.00808
X08FA07_I_35	0.06	0.003	5	0.288	0.024	8.333333	251	0.842	0.299421	2.574293	265.433	19.41823
X08FA07_J_35	0.0614	0.0024	3.908795	0.276	0.026	9.42029	251	0.842	0.284246	2.850637	277.2539	19.55371
X08FA07_K_35	0.0582	0.0034	5.841924	0.267	0.024	8.988764	251	0.842	0.272865	2.677784	267.193	21.58461
X08FA07_L_35	0.0547	0.003	5.484461	0.285	0.021	7.368421	251	0.842	0.295627	2.264564	243.7098	17.64233
X08FA07_M_35	0.0567	0.0021	3.703704	0.28	0.02	7.142857	251	0.842	0.289304	2.176458	254.6703	14.82958
X08FA07_A_36	0.0692	0.0063	9.104046	0.411	0.036	8.759124	251	0.842	0.454965	3.29693	238.6629	27.27341
X08FA07_B_36	0.062	0.0037	5.967742	0.363	0.024	6.61157	251	0.842	0.394265	2.310126	237.6636	18.24592
X08FA07_C_36	0.0662	0.0047	7.099698	0.371	0.032	8.625337	251	0.842	0.404381	3.05201	249.2986	23.75509
X08FA07_D_36	0.0733	0.0045	6.139154	0.421	0.029	6.888361	251	0.842	0.46761	2.632333	246.7814	20.31308
X08FA07_E_36	0.0731	0.0037	5.06156	0.409	0.039	9.535452	251	0.842	0.452435	3.578237	253.0001	22.57815

X08FA07_F_36	0.0749	0.0055	7.343124	0.426	0.028	6.57277	251	0.842	0.473933	2.530711	249.1277	22.61363
X08FA07_G_36	0.0912	0.0051	5.592105	0.479	0.017	3.549061	251	0.842	0.540956	1.477574	264.3815	17.04698
X08FA07_H_36	0.0843	0.0038	4.507711	0.459	0.018	3.921569	251	0.842	0.515665	1.585747	257.9724	14.49046
X08FA07_I_36	0.0877	0.0048	5.473204	0.471	0.017	3.609342	251	0.842	0.53084	1.485318	259.9286	16.49647
X08FA07_J_36	0.0908	0.0051	5.61674	0.466	0.036	7.725322	251	0.842	0.524517	3.156034	272.4763	23.47292
X08FA07_K_36	0.0887	0.0026	2.931229	0.462	0.036	7.792208	251	0.842	0.519458	3.16479	269.0776	19.13792
X08FA07_L_36	0.105	0.011	10.47619	0.514	0.063	12.25681	251	0.842	0.585217	5.365122	274.814	41.96607
X08FA07_M_36	0.094	0.0092	9.787234	0.494	0.043	8.704453	251	0.842	0.559925	3.703096	261.301	32.64714
X08FA07_A_37	0.0987	0.0064	6.484296	0.549	0.052	9.471767	251	0.842	0.629477	4.354491	231.5409	25.54657
X08FA07_B_37	0.0943	0.0055	5.83245	0.466	0.044	9.44206	251	0.842	0.524517	3.857375	282.7521	27.89408
X08FA07_C_37	0.08	0.0056	7	0.41	0.027	6.585366	251	0.842	0.4537	2.474963	275.7513	24.10882
X08FA07_D_37	0.0615	0.0028	4.552846	0.32	0.027	8.4375	251	0.842	0.339887	2.750295	256.5319	18.65964
X08FA07_E_37	0.0587	0.0025	4.258944	0.298	0.024	8.053691	251	0.842	0.312067	2.530527	255.1984	17.19596
X08FA07_F_37	0.0618	0.0021	3.398058	0.314	0.027	8.598726	251	0.842	0.3323	2.775151	260.6622	17.28805
X08FA07_G_37	0.0656	0.0021	3.20122	0.328	0.018	5.487805	251	0.842	0.350004	1.812481	269.1745	13.27954
X08FA07_H_37	0.067	0.0027	4.029851	0.332	0.013	3.915663	251	0.842	0.355062	1.301719	272.7045	13.35029
X08FA07_I_37	0.0637	0.0023	3.610675	0.328	0.027	8.231707	251	0.842	0.350004	2.718721	261.5343	17.39806
X08FA07_J_37	0.0655	0.0037	5.648855	0.308	0.021	6.818182	251	0.842	0.324712	2.178616	279.0076	20.30961
X08FA07_K_37	0.067	0.0037	5.522388	0.32	0.024	7.5	251	0.842	0.339887	2.444707	278.9841	20.99498
X08FA07_L_37	0.061	0.002	3.278689	0.303	0.016	5.280528	251	0.842	0.31839	1.673213	262.6082	12.54477
X08FA07_M_37	0.0583	0.0022	3.773585	0.305	0.015	4.918033	251	0.842	0.320919	1.56359	250.2938	12.49588
X08FA07_A_38	0.0488	0.0018	3.688525	0.191	0.015	7.853403	251	0.842	0.176756	2.037174	253.9132	14.21774
X08FA07_B_38	0.0485	0.0019	3.917526	0.205	0.015	7.317073	251	0.842	0.19446	1.948406	247.0576	13.90136
X08FA07_C_38	0.0472	0.0014	2.966102	0.195	0.013	6.666667	251	0.842	0.181815	1.742348	244.2632	11.38219
X08FA07_D_38	0.0574	0.007	12.19512	0.251	0.04	15.93625	251	0.842	0.252631	4.615245	270.7771	42.15806
X08FA07_E_38	0.0632	0.0043	6.803797	0.297	0.03	10.10101	251	0.842	0.310802	3.168449	274.8452	26.05425
X08FA07_F_38	0.0601	0.0024	3.993344	0.257	0.013	5.058366	251	0.842	0.260219	1.480626	280.4243	14.23324
X08FA07_G_38	0.0702	0.0049	6.980057	0.338	0.027	7.988166	251	0.842	0.36265	2.681599	282.1591	25.33895
X08FA07_H_38	0.0743	0.0023	3.095559	0.386	0.017	4.404145	251	0.842	0.42335	1.595296	270.4441	12.26664
X08FA07_I_38	0.0707	0.0025	3.536068	0.374	0.033	8.823529	251	0.842	0.408175	3.136872	264.2406	19.39585
X08FA07_J_38	0.0636	0.0035	5.503145	0.31	0.019	6.129032	251	0.842	0.327242	1.964961	270.0877	18.62525

X08FA07_K_38	0.078	0.01	12.82051	0.428	0.071	16.58879	251	0.842	0.476462	6.406383	258.0123	47.53872
X08FA07_L_38	0.076	0.011	14.47368	0.448	0.063	14.0625	251	0.842	0.501754	5.594984	239.5961	44.50463
X08FA07_M_38	0.0657	0.0045	6.849315	0.371	0.025	6.738544	251	0.842	0.404381	2.384383	247.4514	21.01926
PJ15_05_A_1	0.0687	0.0057	8.296943	0.264	0.031	11.74242	307	0.828	0.272733	3.493415	314.2961	34.84177
PJ15_05_B_1	0.0734	0.0065	8.855586	0.282	0.03	10.6383	307	0.828	0.295943	3.265319	324.8139	36.55186
PJ15_05_C_1	0.083	0.012	14.45783	0.32	0.034	10.625	307	0.828	0.344944	3.47692	341.2933	55.98597
PJ15_05_D_1	0.109	0.011	10.09174	0.451	0.065	14.41242	307	0.828	0.513866	5.78828	332.8442	52.24769
PJ15_05_E_1	0.1252	0.0062	4.952077	0.498	0.052	10.44177	307	0.828	0.574471	4.492368	334.6043	35.13786
PJ15_05_F_1	0.1308	0.0069	5.275229	0.546	0.074	13.55311	307	0.828	0.636366	6.242922	299.5441	41.4264
PJ15_05_G_1	0.161	0.023	14.28571	0.585	0.077	13.16239	307	0.828	0.686656	6.399974	317.2738	62.07967
PJ15_05_H_1	0.169	0.021	12.42604	0.585	0.067	11.45299	307	0.828	0.686656	5.568809	332.6389	56.71399
PJ15_05_I_1	0.202	0.039	19.30693	0.625	0.05	8	307	0.828	0.738235	4.10689	332.1573	71.12451
PJ15_05_J_1	0.207	0.034	16.42512	0.574	0.061	10.62718	307	0.828	0.672472	5.08963	422.8777	83.90659
PJ15_05_K_1	0.229	0.057	24.89083	0.611	0.072	11.78396	307	0.828	0.720183	5.936348	400.3795	112.9205
PJ15_05_L_1	0.243	0.06	24.69136	0.636	0.068	10.69182	307	0.828	0.75242	5.570203	376.6108	104.2092
PJ15_05_M_1	0.217	0.029	13.36406	0.653	0.06	9.188361	307	0.828	0.774341	4.89631	308.1829	52.08841
PJ15_05_A_2	0.0661	0.0069	10.43873	0.247	0.022	8.906883	307	0.828	0.250811	2.571426	311.5824	37.04225
PJ15_05_B_2	0.0691	0.0021	3.039074	0.255	0.012	4.705882	307	0.828	0.261127	1.378023	321.0022	13.48889
PJ15_05_C_2	0.0656	0.0045	6.859756	0.27	0.017	6.296296	307	0.828	0.28047	1.892895	297.3156	23.79648
PJ15_05_D_2	0.0662	0.0057	8.610272	0.3	0.038	12.66667	307	0.828	0.319154	4.008889	284.1953	34.094
PJ15_05_E_2	0.0665	0.0024	3.609023	0.328	0.038	11.58537	307	0.828	0.355259	3.841473	270.6305	23.4186
PJ15_05_F_2	0.0633	0.0041	6.477093	0.407	0.046	11.30221	307	0.828	0.457128	4.247402	217.8019	23.62073
PJ15_05_G_2	0.081	0.012	14.81481	0.433	0.052	12.00924	307	0.828	0.490655	4.694978	260.6194	46.48118
PJ15_05_H_2	0.0912	0.0075	8.223684	0.43	0.026	6.046512	307	0.828	0.486787	2.353204	294.8766	28.5258
PJ15_05_I_2	0.1009	0.0084	8.325074	0.461	0.033	7.158351	307	0.828	0.52676	2.917839	300.6923	31.21899
PJ15_05_J_2	0.119	0.015	12.60504	0.477	0.047	9.853249	307	0.828	0.547392	4.11185	338.1785	52.04544
PJ15_05_K_2	0.12	0.014	11.66667	0.494	0.052	10.52632	307	0.828	0.569313	4.502653	324.8424	48.91575
PJ15_05_L_2	0.111	0.012	10.81081	0.557	0.049	8.797127	307	0.828	0.650551	4.114987	245.3215	33.88493
PJ15_05_M_2	0.126	0.012	9.52381	0.546	0.042	7.692308	307	0.828	0.636366	3.54328	288.7942	34.96748
PJ15_05_A_3	0.0623	0.0038	6.099518	0.1861	0.0065	3.492746	307	0.828	0.172282	0.90224	324.1339	21.11017
PJ15_05_B_3	0.0635	0.004	6.299213	0.225	0.027	12	307	0.828	0.222443	3.329809	310.6826	29.11132
PJ15_05_C_3	0.0759	0.0063	8.300395	0.328	0.048	14.63415	307	0.828	0.355259	4.852387	307.9848	40.15973
PJ15_05_D_3	0.0861	0.0062	7.200929	0.402	0.04	9.950249	307	0.828	0.450681	3.710702	297.9014	31.45119
PJ15_05_E_3	0.0979	0.0083	8.478039	0.442	0.026	5.882353	307	0.828	0.50226	2.330959	306.7119	30.32103
PJ15_05_F_3	0.1041	0.0075	7.204611	0.454	0.02	4.405286	307	0.828	0.517734	1.777142	315.7732	25.94738
PJ15_05_G_3	0.106	0.0064	6.037736	0.457	0.025	5.47046	307	0.828	0.521603	2.21668	318.88	24.44024
PJ15_05_H_3	0.0992	0.0074	7.459677	0.489	0.032	6.543967	307	0.828	0.562866	2.778996	273.6491	25.95217

PJ15_05_I_3	0.1069	0.0079	7.390084	0.464	0.028	6.034483	307	0.828	0.530629	2.470647	315.6007	28.69067
PJ15_05_J_3	0.1116	0.0075	6.72043	0.42	0.018	4.285714	307	0.828	0.473892	1.642869	367.798	28.25175
PJ15_05_K_3	0.112	0.0055	4.910714	0.407	0.018	4.422604	307	0.828	0.457128	1.662027	380.4987	23.20083
PJ15_05_L_3	0.1107	0.0061	5.510388	0.454	0.038	8.370044	307	0.828	0.517734	3.376569	335.2814	29.92698
PJ15_05_M_3	0.1112	0.0085	7.643885	0.452	0.031	6.858407	307	0.828	0.515155	2.758554	338.5113	32.68104
PJ15_05_A_4	0.09	0.012	13.33333	0.334	0.03	8.982036	307	0.828	0.362996	3.007641	359.3694	53.83388
PJ15_05_B_4	0.0682	0.0029	4.252199	0.279	0.021	7.526882	307	0.828	0.292075	2.298403	303.9561	19.46
PJ15_05_C_4	0.0657	0.0034	5.175038	0.267	0.018	6.741573	307	0.828	0.276601	2.016191	299.3228	20.06906
PJ15_05_D_4	0.0662	0.0041	6.193353	0.282	0.016	5.673759	307	0.828	0.295943	1.741503	293.6663	21.31395
PJ15_05_E_4	0.0683	0.0044	6.442167	0.277	0.02	7.220217	307	0.828	0.289496	2.197164	305.4745	24.34885
PJ15_05_F_4	0.0691	0.0038	5.499276	0.267	0.024	8.988764	307	0.828	0.276601	2.688255	314.441	24.73512
PJ15_05_G_4	0.0674	0.0042	6.231454	0.284	0.021	7.394366	307	0.828	0.298522	2.277432	297.7982	23.48243
PJ15_05_H_4	0.0683	0.0042	6.149341	0.268	0.018	6.716418	307	0.828	0.277891	2.012176	310.3459	23.32343
PJ15_05_I_4	0.0719	0.0052	7.232267	0.272	0.024	8.823529	307	0.828	0.283048	2.661911	324.0234	29.77368
PJ15_05_J_4	0.0751	0.0061	8.122503	0.305	0.018	5.901639	307	0.828	0.325601	1.883595	318.4947	29.16683
PJ15_05_K_4	0.0822	0.0062	7.542579	0.289	0.013	4.49827	307	0.828	0.30497	1.397346	358.157	29.55647
PJ15_05_L_4	0.0807	0.0037	4.584882	0.2989	0.0099	3.312145	307	0.828	0.317736	1.046321	345.5049	17.86331
PJ15_05_M_4	0.0742	0.0026	3.504043	0.307	0.016	5.211726	307	0.828	0.32818	1.668986	313.5946	15.53275
PJ15_05_A_5	0.088	0.0095	10.79545	0.374	0.029	7.754011	307	0.828	0.414576	2.768305	323.8306	40.16667
PJ15_05_B_5	0.105	0.016	15.2381	0.449	0.043	9.576837	307	0.828	0.511287	3.834799	322.5893	56.18635
PJ15_05_C_5	0.11	0.01	9.090909	0.462	0.048	10.38961	307	0.828	0.52805	4.2412	326.2649	41.47705
PJ15_05_D_5	0.1097	0.0046	4.193254	0.482	0.043	8.921162	307	0.828	0.55384	3.750147	308.0339	27.05475
PJ15_05_E_5	0.139	0.023	16.54676	0.455	0.033	7.252747	307	0.828	0.519024	2.930182	417.1845	75.21324
PJ15_05_F_5	0.18	0.016	8.888889	0.51	0.062	12.15686	307	0.828	0.589945	5.321254	459.0684	65.64197
PJ15_05_G_5	0.172	0.015	8.72093	0.507	0.034	6.706114	307	0.828	0.586077	2.922778	443.3501	48.00527
PJ15_05_H_5	0.198	0.029	14.64646	0.525	0.037	7.047619	307	0.828	0.609287	3.151545	480.3523	79.03232
PJ15_05_I_5	0.187	0.028	14.97326	0.547	0.049	8.957952	307	0.828	0.637656	4.132059	422.6364	74.27377
PJ15_05_J_5	0.192	0.026	13.54167	0.563	0.05	8.880995	307	0.828	0.658288	4.189042	409.6456	66.99919
PJ15_05_K_5	0.185	0.046	24.86486	0.623	0.065	10.43339	307	0.828	0.735656	5.341725	307.7866	84.75671
PJ15_05_L_5	0.153	0.018	11.76471	0.588	0.075	12.7551	307	0.828	0.690525	6.227498	298.23	52.08472
PJ15_05_M_5	0.166	0.015	9.036145	0.557	0.043	7.719928	307	0.828	0.650551	3.611111	363.5034	43.11275
PJ15_05_A_6	0.0688	0.005	7.267442	0.265	0.029	10.9434	307	0.828	0.274022	3.261405	314.1979	31.36624
PJ15_05_B_6	0.0777	0.0063	8.108108	0.319	0.025	7.836991	307	0.828	0.343654	2.560334	320.6463	31.44981
PJ15_05_C_6	0.083	0.0086	10.36145	0.334	0.022	6.586826	307	0.828	0.362996	2.205604	332.1258	38.26833
PJ15_05_D_6	0.097	0.013	13.40206	0.423	0.028	6.619385	307	0.828	0.47776	2.549029	318.5556	46.6557
PJ15_05_E_6	0.1094	0.004	3.656307	0.418	0.018	4.30622	307	0.828	0.471313	1.645717	362.4662	18.31656
PJ15_05_F_6	0.107	0.0065	6.074766	0.456	0.048	10.52632	307	0.828	0.520313	4.259046	322.6605	34.52435

PJ15_05_G_6	0.1105	0.0062	5.61086	0.431	0.028	6.49652	307	0.828	0.488076	2.532156	354.7174	27.50347
PJ15_05_H_6	0.1043	0.008	7.670182	0.507	0.065	12.82051	307	0.828	0.586077	5.587663	272.4659	37.61254
PJ15_05_I_6	0.115	0.021	18.26087	0.582	0.046	7.90378	307	0.828	0.682788	3.827269	230.9737	46.39528
PJ15_05_J_6	0.1027	0.0072	7.010711	0.531	0.048	9.039548	307	0.828	0.617024	4.076808	248.6887	27.20705
PJ15_05_K_6	0.115	0.016	13.91304	0.483	0.041	8.488613	307	0.828	0.555129	3.57352	321.6404	51.37993
PJ15_05_L_6	0.119	0.019	15.96639	0.431	0.06	13.92111	307	0.828	0.488076	5.426048	381.2117	75.37116
PJ15_05_M_6	0.094	0.015	15.95745	0.431	0.044	10.20882	307	0.828	0.488076	3.979102	302.9744	55.07951
PJ15_05_A_7	0.0828	0.0072	8.695652	0.333	0.025	7.507508	307	0.828	0.361707	2.509794	331.9994	34.11711
PJ15_05_B_7	0.0792	0.0068	8.585859	0.384	0.036	9.375	307	0.828	0.42747	3.39993	285.8749	31.93555
PJ15_05_C_7	0.0968	0.0071	7.334711	0.388	0.028	7.216495	307	0.828	0.432628	2.633504	344.6668	31.89115
PJ15_05_D_7	0.0957	0.0067	7.001045	0.441	0.04	9.070295	307	0.828	0.500971	3.588848	300.7367	30.79461
PJ15_05_E_7	0.0877	0.0052	5.929304	0.417	0.019	4.556355	307	0.828	0.470023	1.738663	292.8681	20.56248
PJ15_05_F_7	0.088	0.0039	4.431818	0.417	0.031	7.434053	307	0.828	0.470023	2.836766	293.8474	21.60827
PJ15_05_G_7	0.107	0.011	10.28037	0.434	0.023	5.299539	307	0.828	0.491944	2.07496	341.246	38.73448
PJ15_05_H_7	0.1134	0.008	7.054674	0.448	0.027	6.026786	307	0.828	0.509997	2.40968	348.6054	30.53139
PJ15_05_I_7	0.117	0.01	8.547009	0.482	0.041	8.506224	307	0.828	0.55384	3.575721	328.019	37.39264
PJ15_05_J_7	0.1192	0.0086	7.214765	0.487	0.034	6.98152	307	0.828	0.560287	2.956214	329.324	31.4404
PJ15_05_K_7	0.1178	0.0082	6.960951	0.489	0.023	4.703476	307	0.828	0.562866	1.997403	323.6898	26.58705
PJ15_05_L_7	0.121	0.014	11.57025	0.493	0.026	5.273834	307	0.828	0.568024	2.252632	328.4377	41.70182
PJ15_05_M_7	0.144	0.02	13.88889	0.502	0.05	9.960159	307	0.828	0.579629	4.309935	378.8686	63.47379
PJ15_05_A_8	0.0611	0.0025	4.091653	0.205	0.021	10.2439	307	0.828	0.196653	2.740221	308.8984	21.60479
PJ15_05_B_8	0.0645	0.0045	6.976744	0.253	0.021	8.300395	307	0.828	0.258548	2.422016	301.146	26.13167
PJ15_05_C_8	0.067	0.0076	11.34328	0.25	0.019	7.6	307	0.828	0.25468	2.205872	314.1314	39.06125
PJ15_05_D_8	0.0713	0.0045	6.31136	0.264	0.022	8.333333	307	0.828	0.272733	2.479198	325.8951	26.77358
PJ15_05_E_8	0.0745	0.0045	6.040268	0.325	0.037	11.38462	307	0.828	0.351391	3.756347	304.2075	29.95816
PJ15_05_F_8	0.0696	0.0066	9.482759	0.319	0.037	11.59875	307	0.828	0.343654	3.789295	287.9548	35.64883
PJ15_05_G_8	0.0697	0.0031	4.447633	0.289	0.031	10.72664	307	0.828	0.30497	3.332132	304.9592	24.97238
PJ15_05_H_8	0.0706	0.0034	4.815864	0.298	0.033	11.07383	307	0.828	0.316575	3.492954	303.7674	26.33776
PJ15_05_I_8	0.0682	0.0011	1.612903	0.297	0.026	8.754209	307	0.828	0.315286	2.756625	294.2143	17.26911
PJ15_05_J_8	0.0788	0.0044	5.583756	0.353	0.022	6.232295	307	0.828	0.387496	2.15201	303.8626	21.89808
PJ15_05_K_8	0.108	0.032	29.62963	0.43	0.078	18.13953	307	0.828	0.486787	7.059612	347.7549	116.22
PJ15_05_L_8	0.119	0.028	23.52941	0.493	0.066	13.38742	307	0.828	0.568024	5.718219	323.1428	86.11602
PJ15_05_M_8	0.0839	0.0072	8.581645	0.319	0.03	9.404389	307	0.828	0.343654	3.072401	345.5579	37.35965
PJ15_05_A_9	0.0683	0.004	5.856515	0.255	0.016	6.27451	307	0.828	0.261127	1.837363	317.3758	22.45312
PJ15_05_B_9	0.0759	0.0054	7.114625	0.285	0.017	5.964912	307	0.828	0.299812	1.840318	333.7969	27.38426
PJ15_05_C_9	0.0698	0.005	7.163324	0.274	0.02	7.29927	307	0.828	0.285627	2.209721	313.6817	26.99866
PJ15_05_D_9	0.0684	0.0031	4.532164	0.272	0.018	6.617647	307	0.828	0.283048	1.996434	308.6219	19.06645

PJ15_05_E_9	0.0686	0.0028	4.081633	0.283	0.014	4.946996	307	0.828	0.297233	1.521041	303.5216	15.80115
PJ15_05_F_9	0.0748	0.0058	7.754011	0.31	0.022	7.096774	307	0.828	0.332049	2.284078	314.2929	28.92098
PJ15_05_G_9	0.07255	0.00069	0.951068	0.321	0.017	5.29595	307	0.828	0.346233	1.735911	298.7288	10.9971
PJ15_05_H_9	0.0841	0.0089	10.58264	0.334	0.018	5.389222	307	0.828	0.362996	1.804585	336.4145	38.49866
PJ15_05_I_9	0.0979	0.0052	5.311542	0.372	0.021	5.645161	307	0.828	0.411997	2.009069	360.8032	24.66807
PJ15_05_J_9	0.1117	0.0084	7.520143	0.433	0.033	7.621247	307	0.828	0.490655	2.979505	356.7076	35.09472
PJ15_05_K_9	0.121	0.0051	4.214876	0.44	0.034	7.727273	307	0.828	0.499681	3.052878	378.8999	28.88933
PJ15_05_L_9	0.1182	0.0088	7.445008	0.442	0.015	3.393665	307	0.828	0.50226	1.344784	368.5235	29.95232
PJ15_05_M_9	0.113	0.01	8.849558	0.5	0.045	9	307	0.828	0.57705	3.883257	300.9596	36.17432
PJ15_05_A_10	0.0617	0.0045	7.293355	0.199	0.011	5.527638	307	0.828	0.188916	1.462346	314.7909	25.3002
PJ15_05_B_10	0.066	0.0044	6.666667	0.211	0.011	5.21327	307	0.828	0.20439	1.410026	329.9147	24.45637
PJ15_05_C_10	0.0678	0.0068	10.0295	0.231	0.02	8.658009	307	0.828	0.23018	2.42876	327.9763	37.38644
PJ15_05_D_10	0.0744	0.0056	7.526882	0.254	0.028	11.02362	307	0.828	0.259838	3.222341	345.5618	35.08041
PJ15_05_E_10	0.0757	0.0037	4.887715	0.293	0.031	10.5802	307	0.828	0.310128	3.309099	328.1572	27.63852
PJ15_05_F_10	0.0705	0.0023	3.262411	0.322	0.033	10.24845	307	0.828	0.347523	3.364795	289.9148	22.13869
PJ15_05_G_10	0.0808	0.0076	9.405941	0.333	0.032	9.60961	307	0.828	0.361707	3.212537	324.1784	37.76038
PJ15_05_H_10	0.0727	0.004	5.502063	0.323	0.02	6.19195	307	0.828	0.348812	2.036312	298.1784	20.85703
PJ15_05_I_10	0.072	0.0035	4.861111	0.306	0.017	5.555556	307	0.828	0.326891	1.776114	305.0836	18.78234
PJ15_05_J_10	0.0728	0.0054	7.417582	0.29	0.025	8.62069	307	0.828	0.306259	2.682507	317.6172	29.73562
PJ15_05_K_10	0.0721	0.0062	8.599168	0.247	0.016	6.477733	307	0.828	0.250811	1.870128	339.1336	32.5708
PJ15_05_L_10	0.0695	0.0053	7.625899	0.258	0.018	6.976744	307	0.828	0.264996	2.053845	321.1659	28.46059
PJ15_05_M_10	0.0639	0.0046	7.198748	0.284	0.012	4.225352	307	0.828	0.298522	1.30139	282.6679	22.08129
PJ15_05_A_11	0.0694	0.0018	2.59366	0.214	0.017	7.943925	307	0.828	0.208259	2.160451	344.8212	17.826
PJ15_05_B_11	0.0681	0.0042	6.167401	0.214	0.013	6.074766	307	0.828	0.208259	1.65211	338.5287	24.27325
PJ15_05_C_11	0.0606	0.0008	1.320132	0.186	0.016	8.602151	307	0.828	0.172153	2.221683	315.55	14.97327
PJ15_05_D_11	0.0615	0.0019	3.089431	0.169	0.013	7.692308	307	0.828	0.150232	1.925689	328.3863	16.61232
PJ15_05_E_11	0.0607	0.0031	5.107084	0.1606	0.0094	5.853051	307	0.828	0.1394	1.443287	328.2495	19.72491
PJ15_05_F_11	0.0599	0.0039	6.510851	0.155	0.012	7.741935	307	0.828	0.132179	1.890333	326.6814	25.1802
PJ15_05_G_11	0.0591	0.0027	4.568528	0.1597	0.0094	5.886036	307	0.828	0.13824	1.449104	320.2289	17.73837
PJ15_05_H_11	0.0577	0.002	3.466205	0.1409	0.0086	6.10362	307	0.828	0.113998	1.455566	321.4085	14.90013
PJ15_05_I_11	0.0588	0.0038	6.462585	0.1375	0.0092	6.690909	307	0.828	0.109613	1.587184	328.9622	24.25472
PJ15_05_J_11	0.058	0.0036	6.206897	0.1422	0.0045	3.164557	307	0.828	0.115674	0.756238	322.4422	21.08862
PJ15_05_K_11	0.0563	0.0029	5.150977	0.1341	0.007	5.219985	307	0.828	0.105229	1.231967	316.8272	18.51599
PJ15_05_L_11	0.0556	0.0026	4.676259	0.1345	0.0091	6.765799	307	0.828	0.105745	1.597732	312.8059	18.128
PJ15_05_M_11	0.0542	0.0028	5.166052	0.1437	0.0071	4.940849	307	0.828	0.117608	1.183587	301.1584	17.49582
PJ15_05_A_12	0.0793	0.0073	9.205549	0.315	0.023	7.301587	307	0.828	0.338496	2.369649	329.5901	34.9181
PJ15_05_B_12	0.0841	0.0035	4.161712	0.35	0.031	8.857143	307	0.828	0.383628	3.043673	325.7892	24.59408

PJ15_05_C_12	0.0867	0.0072	8.304498	0.377	0.028	7.427056	307	0.828	0.418444	2.664118	317.1052	31.99112
PJ15_05_D_12	0.0887	0.0078	8.793687	0.431	0.028	6.49652	307	0.828	0.488076	2.532156	286.2654	29.63583
PJ15_05_E_12	0.0919	0.0075	8.161045	0.387	0.035	9.043928	307	0.828	0.431339	3.29525	328.3816	35.24274
PJ15_05_F_12	0.108	0.029	26.85185	0.434	0.053	12.21198	307	0.828	0.491944	4.78143	344.3516	100.0421
PJ15_05_G_12	0.88	0.72	81.81818	0.689	0.097	14.07837	307	0.828	0.820762	7.864533	944.1458	795.9291
PJ15_05_H_12	0.68	0.66	97.05882	0.653	0.059	9.035222	307	0.828	0.774341	4.814704	920.2639	899.0923
PJ15_05_I_12	0.203	0.056	27.58621	0.606	0.054	8.910891	307	0.828	0.713735	4.458692	364.1319	107.7018
PJ15_05_J_12	0.21	0.14	66.66667	0.55	0.1	18.18182	307	0.828	0.641524	8.422085	467.8872	325.3409
PJ15_05_K_12	0.088	0.012	13.63636	0.384	0.047	12.23958	307	0.828	0.42747	4.438797	316.8702	52.63233
PJ15_05_L_12	0.103	0.013	12.62136	0.4	0.058	14.5	307	0.828	0.448102	5.390779	356.4127	60.5433
PJ15_05_M_12	0.091	0.016	17.58242	0.337	0.028	8.308605	307	0.828	0.366865	2.795773	361.1066	68.16431
PJ15_05_A_13	0.0942	0.0073	7.749469	0.419	0.04	9.546539	307	0.828	0.472602	3.653974	312.562	34.02381
PJ15_05_B_13	0.124	0.022	17.74194	0.491	0.034	6.924644	307	0.828	0.565445	2.949195	338.3283	64.62069
PJ15_05_C_13	0.1334	0.0081	6.071964	0.482	0.039	8.091286	307	0.828	0.55384	3.401296	372.6924	34.89031
PJ15_05_D_13	0.136	0.014	10.29412	0.518	0.058	11.19691	307	0.828	0.600261	4.957411	341.2618	49.895
PJ15_05_E_13	0.153	0.018	11.76471	0.571	0.06	10.50788	307	0.828	0.668603	5.01168	318.8404	50.32084
PJ15_05_F_13	0.151	0.022	14.56954	0.612	0.067	10.94771	307	0.828	0.721472	5.52254	265.5751	49.37932
PJ15_05_G_13	0.1809	0.0092	5.085683	0.634	0.029	4.574132	307	0.828	0.749841	2.376664	285.3167	20.27563
PJ15_05_H_13	0.156	0.035	22.4359	0.639	0.051	7.981221	307	0.828	0.756288	4.174711	240.5425	58.40623
PJ15_05_I_13	0.188	0.051	27.12766	0.62	0.044	7.096774	307	0.828	0.731788	3.618798	317.1234	90.62372
PJ15_05_J_13	0.209	0.025	11.96172	0.612	0.043	7.026144	307	0.828	0.721472	3.544317	364.7446	51.96763
PJ15_05_K_13	0.227	0.027	11.89427	0.635	0.035	5.511811	307	0.828	0.75113	2.867699	354.265	47.91103
PJ15_05_L_13	0.217	0.017	7.834101	0.654	0.027	4.12844	307	0.828	0.77563	2.202882	306.463	28.14855
PJ15_05_M_13	0.239	0.027	11.29707	0.625	0.049	7.84	307	0.828	0.738235	4.024753	391.1861	55.70225
PJ15_05_A_14	0.05	0.0037	7.4	0.0592	0.0058	9.797297	307	0.828	0.008647	3.541532	311.8667	32.64869
PJ15_05_B_14	0.0501	0.0039	7.784431	0.0522	0.0024	4.597701	307	0.828	-0.00038	#NUM!	315.2522	#VALUE!
PJ15_05_C_14	0.049	0.0028	5.714286	0.0522	0.0019	3.639847	307	0.828	-0.00038	#NUM!	308.4935	#VALUE!
PJ15_05_D_14	0.048	0.0024	5	0.0507	0.0025	4.930966	307	0.828	-0.00231	#NUM!	302.9141	#VALUE!
PJ15_05_E_14	0.0476	0.002	4.201681	0.0528	0.0024	4.545455	307	0.828	0.000394	6.862951	299.6546	43.87994
PJ15_05_F_14	0.0516	0.0021	4.069767	0.051	0.0028	5.490196	307	0.828	-0.00193	#NUM!	324.9467	#VALUE!
PJ15_05_G_14	0.0512	0.0025	4.882813	0.0515	0.0026	5.048544	307	0.828	-0.00128	#NUM!	322.2873	#VALUE!
PJ15_05_H_14	0.0508	0.0018	3.543307	0.052	0.002	3.846154	307	0.828	-0.00064	#NUM!	319.6299	#VALUE!
PJ15_05_I_14	0.0525	0.0025	4.761905	0.0504	0.0013	2.579365	307	0.828	-0.0027	#NUM!	330.7203	#VALUE!
PJ15_05_J_14	0.052	0.0018	3.461538	0.0498	0.0015	3.012048	307	0.828	-0.00347	#NUM!	327.8958	#VALUE!
PJ15_05_K_14	0.0521	0.0016	3.071017	0.051	0.0023	4.509804	307	0.828	-0.00193	#NUM!	328.0166	#VALUE!

PJ15_05_L_14	0.0519	0.0011	2.119461	0.0517	0.0024	4.642166	307	0.828	-0.00102	#NUM!	326.5018	#VALUE!
PJ15_05_M_14	0.0537	0.0032	5.959032	0.0521	0.0026	4.990403	307	0.828	-0.00051	#NUM!	337.3646	#VALUE!
PJ15_05_A_15	0.0711	0.0029	4.078762	0.1906	0.0079	4.144806	307	0.828	0.178085	1.07962	366.1202	17.36223
PJ15_05_B_15	0.0693	0.0035	5.050505	0.218	0.019	8.715596	307	0.828	0.213417	2.38775	342.1526	24.37849
PJ15_05_C_15	0.0741	0.0062	8.367072	0.258	0.029	11.24031	307	0.828	0.264996	3.308972	341.8688	37.34637
PJ15_05_D_15	0.0761	0.0071	9.329829	0.299	0.028	9.364548	307	0.828	0.317864	2.9588	326.2404	36.86586
PJ15_05_E_15	0.089	0.01	11.23596	0.397	0.034	8.564232	307	0.828	0.444234	3.169276	311.2251	41.00402
PJ15_05_F_15	0.117	0.012	10.25641	0.432	0.038	8.796296	307	0.828	0.489365	3.433713	374.0699	47.36383
PJ15_05_G_15	0.163	0.027	16.56442	0.595	0.069	11.59664	307	0.828	0.699551	5.716345	308.2146	63.22938
PJ15_05_H_15	0.53	0.29	54.71698	0.711	0.072	10.12658	307	0.828	0.849131	5.819907	495.8883	282.0921
PJ15_05_I_15	0.58	0.27	46.55172	0.692	0.048	6.936416	307	0.828	0.824631	3.889965	624.4473	302.2707
PJ15_05_J_15	0.36	0.049	13.61111	0.673	0.047	6.983655	307	0.828	0.80013	3.820714	447.9114	71.99899
PJ15_05_K_15	0.305	0.059	19.34426	0.636	0.055	8.647799	307	0.828	0.75242	4.505311	469.2786	103.0507
PJ15_05_L_15	0.245	0.013	5.306122	0.628	0.056	8.917197	307	0.828	0.742104	4.596207	394.9635	43.08768
PJ15_05_M_15	0.273	0.033	12.08791	0.649	0.09	13.86749	307	0.828	0.769183	7.350687	393.9236	76.85295
PJ15_05_A_16	0.0595	0.0021	3.529412	0.196	0.017	8.673469	307	0.828	0.185048	2.281894	305.2422	18.00878
PJ15_05_B_16	0.0581	0.003	5.163511	0.166	0.011	6.626506	307	0.828	0.146363	1.649896	312.0425	19.56212
PJ15_05_C_16	0.0582	0.0046	7.90378	0.164	0.012	7.317073	307	0.828	0.143785	1.815291	313.4885	27.87993
PJ15_05_D_16	0.0605	0.0028	4.628099	0.18	0.012	6.666667	307	0.828	0.164416	1.702858	317.9147	18.69865
PJ15_05_E_16	0.0607	0.0028	4.61285	0.182	0.013	7.142857	307	0.828	0.166995	1.831225	317.9796	19.17002
PJ15_05_F_16	0.0609	0.003	4.926108	0.18	0.013	7.222222	307	0.828	0.164416	1.844763	319.9653	20.15795
PJ15_05_G_16	0.0634	0.0017	2.681388	0.1804	0.0086	4.767184	307	0.828	0.164932	1.218573	332.5666	12.35485
PJ15_05_H_16	0.0634	0.0042	6.624606	0.205	0.02	9.756098	307	0.828	0.196653	2.609734	320.2422	27.63125
PJ15_05_I_16	0.062	0.0048	7.741935	0.233	0.011	4.72103	307	0.828	0.232759	1.32915	299.5791	25.05235
PJ15_05_J_16	0.06	0.0035	5.833333	0.217	0.014	6.451613	307	0.828	0.212127	1.764271	297.7537	20.74208
PJ15_05_K_16	0.0696	0.0066	9.482759	0.265	0.063	23.77358	307	0.828	0.274022	7.085121	317.7628	55.29973
PJ15_05_L_16	0.0656	0.0062	9.45122	0.294	0.067	22.78912	307	0.828	0.311417	7.13971	284.8061	49.67139
PJ15_05_M_16	0.79	0.89	112.6582	0.46	0.17	36.95652	307	0.828	0.525471	15.04173	2052.312	2337.776
PJ15_05_A_17	0.0636	0.0032	5.031447	0.176	0.01	5.681818	307	0.828	0.159258	1.440673	335.7975	19.95487
PJ15_05_B_17	0.0623	0.0014	2.247191	0.166	0.013	7.831325	307	0.828	0.146363	1.949877	334.025	15.41195
PJ15_05_C_17	0.0614	0.0034	5.537459	0.1778	0.0078	4.386952	307	0.828	0.161579	1.116029	323.5956	19.78266
PJ15_05_D_17	0.062	0.005	8.064516	0.205	0.022	10.73171	307	0.828	0.196653	2.870707	313.3396	31.70721
PJ15_05_E_17	0.0653	0.004	6.125574	0.209	0.018	8.61244	307	0.828	0.201811	2.320844	327.5347	25.77178
PJ15_05_F_17	0.0615	0.0025	4.065041	0.2	0.011	5.5	307	0.828	0.190206	1.457725	313.308	16.04018
PJ15_05_G_17	0.062	0.0034	5.483871	0.217	0.015	6.912442	307	0.828	0.212127	1.89029	307.4458	20.94035
PJ15_05_H_17	0.0657	0.0029	4.414003	0.1947	0.0099	5.084746	307	0.828	0.183372	1.33453	336.9069	17.81592
PJ15_05_I_17	0.065	0.0036	5.538462	0.205	0.014	6.829268	307	0.828	0.196653	1.826814	328.1217	22.29594

PJ15_05_J_17	0.0668	0.002	2.994012	0.208	0.011	5.288462	307	0.828	0.200522	1.422492	335.3935	14.20324
PJ15_05_K_17	0.0654	0.0017	2.599388	0.227	0.015	6.60793	307	0.828	0.225022	1.840273	318.717	14.70526
PJ15_05_L_17	0.0639	0.0044	6.885759	0.224	0.018	8.035714	307	0.828	0.221153	2.225728	313.0989	26.25217
PJ15_05_M_17	0.0688	0.006	8.72093	0.237	0.022	9.2827	307	0.828	0.237917	2.632352	329.4314	34.3393
PJ15_05_A_18	0.082	0.0099	12.07317	0.331	0.056	16.91843	307	0.828	0.359128	5.63745	330.1675	55.72048
PJ15_05_B_18	0.1003	0.0085	8.474576	0.451	0.03	6.651885	307	0.828	0.513866	2.671514	306.8998	31.41312
PJ15_05_C_18	0.1065	0.0079	7.41784	0.512	0.048	9.375	307	0.828	0.592524	4.115353	273.8499	30.92231
PJ15_05_D_18	0.1127	0.0051	4.525288	0.553	0.022	3.9783	307	0.828	0.645393	1.850552	252.6113	15.04341
PJ15_05_E_18	0.128	0.013	10.15625	0.49	0.039	7.959184	307	0.828	0.564155	3.384894	349.9598	43.74703
PJ15_05_F_18	0.1373	0.0097	7.064822	0.515	0.051	9.902913	307	0.828	0.596392	4.36577	347.6832	39.99873
PJ15_05_G_18	0.133	0.013	9.774436	0.543	0.044	8.103131	307	0.828	0.632498	3.716832	307.6281	38.57703
PJ15_05_H_18	0.138	0.013	9.42029	0.494	0.065	13.15789	307	0.828	0.569313	5.628316	372.1871	55.99485
PJ15_05_I_18	0.126	0.011	8.730159	0.441	0.043	9.750567	307	0.828	0.500971	3.858011	393.1025	47.05469
PJ15_05_J_18	0.1108	0.0069	6.227437	0.502	0.046	9.163347	307	0.828	0.579629	3.96514	293.4725	30.20437
PJ15_05_K_18	0.106	0.012	11.32075	0.486	0.046	9.465021	307	0.828	0.558997	4.001994	294.5145	41.64517
PJ15_05_L_18	0.102	0.01	9.803922	0.468	0.034	7.264957	307	0.828	0.535787	2.991996	298.23	34.96401
PJ15_05_M_18	0.1091	0.0087	7.974335	0.48	0.043	8.958333	307	0.828	0.551261	3.754807	308.1179	34.47764
PJ15_05_A_19	0.0714	0.0028	3.921569	0.247	0.018	7.287449	307	0.828	0.250811	2.103894	335.9253	19.80389
PJ15_05_B_19	0.0723	0.0049	6.777317	0.285	0.014	4.912281	307	0.828	0.299812	1.515556	318.3491	24.18298
PJ15_05_C_19	0.0733	0.0048	6.548431	0.2952	0.0093	3.150407	307	0.828	0.312964	0.989017	316.7296	22.16931
PJ15_05_D_19	0.0792	0.002	2.525253	0.326	0.021	6.441718	307	0.828	0.35268	2.128939	322.2999	16.33998
PJ15_05_E_19	0.0818	0.002	2.444988	0.386	0.028	7.253886	307	0.828	0.430049	2.638913	293.7489	17.45796
PJ15_05_F_19	0.0828	0.009	10.86957	0.396	0.034	8.585859	307	0.828	0.442944	3.172369	290.6825	37.31399
PJ15_05_G_19	0.0877	0.0096	10.94641	0.385	0.038	9.87013	307	0.828	0.42876	3.585086	315.1218	42.12243
PJ15_05_H_19	0.0917	0.007	7.633588	0.367	0.043	11.71662	307	0.828	0.405549	4.137027	342.1582	39.43818
PJ15_05_I_19	0.0934	0.0057	6.102784	0.347	0.023	6.628242	307	0.828	0.37976	2.266758	363.0272	28.32841
PJ15_05_J_19	0.101	0.0066	6.534653	0.388	0.016	4.123711	307	0.828	0.432628	1.50486	359.2121	26.5223
PJ15_05_K_19	0.1093	0.0079	7.227813	0.392	0.019	4.846939	307	0.828	0.437786	1.779818	384.4375	31.83688
PJ15_05_L_19	0.0964	0.0061	6.327801	0.418	0.027	6.45933	307	0.828	0.471313	2.468575	320.4462	26.31516
PJ15_05_M_19	0.0988	0.0063	6.376518	0.431	0.011	2.552204	307	0.828	0.488076	0.994775	318.0698	21.74225
PJ15_05_A_20	0.0626	0.0042	6.709265	0.218	0.016	7.33945	307	0.828	0.213417	2.010737	309.8547	24.78164
PJ15_05_B_20	0.0634	0.0046	7.255521	0.236	0.025	10.59322	307	0.828	0.236627	2.99858	304.6777	29.30181
PJ15_05_C_20	0.0667	0.006	8.995502	0.242	0.016	6.61157	307	0.828	0.244364	1.891791	316.9825	31.62919
PJ15_05_D_20	0.0712	0.0049	6.882022	0.26	0.028	10.76923	307	0.828	0.267575	3.181475	327.6998	31.43197
PJ15_05_E_20	0.0696	0.0057	8.189655	0.286	0.021	7.342657	307	0.828	0.301101	2.269267	306.1872	29.29389
PJ15_05_F_20	0.0675	0.0043	6.37037	0.316	0.018	5.696203	307	0.828	0.339786	1.851712	281.0638	21.13404
PJ15_05_G_20	0.0738	0.0044	5.96206	0.298	0.024	8.053691	307	0.828	0.316575	2.54033	317.2025	25.41845

PJ15_05_H_20	0.0764	0.0033	4.319372	0.288	0.016	5.555556	307	0.828	0.30368	1.722839	334.1308	18.92099
PJ15_05_I_20	0.0746	0.0034	4.557641	0.333	0.014	4.204204	307	0.828	0.361707	1.405485	299.8727	16.41593
PJ15_05_J_20	0.0765	0.0036	4.705882	0.354	0.022	6.214689	307	0.828	0.388786	2.149373	294.586	19.18319
PJ15_05_K_20	0.0884	0.0091	10.29412	0.395	0.029	7.341772	307	0.828	0.441655	2.708499	310.5772	36.90616
PJ15_05_L_20	0.1	0.01	10	0.442	0.032	7.239819	307	0.828	0.50226	2.868872	313.1338	36.88717
PJ15_05_M_20	0.101	0.013	12.87129	0.469	0.033	7.036247	307	0.828	0.537076	2.902067	294.5701	42.41664
PJ15_05_A_21	0.0465	0.0013	2.795699	0.0513	0.0017	3.31384	307	0.828	-0.00154	#NUM!	293.4388	#VALUE!
PJ15_05_B_21	0.04533	0.00079	1.742775	0.05151	0.00065	1.261891	307	0.828	-0.00127	#NUM!	286.1412	#VALUE!
PJ15_05_C_21	0.04495	0.00084	1.868743	0.0515	0.001	1.941748	307	0.828	-0.00128	#NUM!	283.7981	#VALUE!
PJ15_05_D_21	0.0439	0.0011	2.505695	0.0531	0.0016	3.013183	307	0.828	0.000781	3.250498	276.75	19.67148
PJ15_05_E_21	0.0446	0.0017	3.811659	0.0538	0.0019	3.531599	307	0.828	0.001684	2.62904	280.8196	18.61348
PJ15_05_F_21	0.0453	0.0012	2.649007	0.0537	0.0015	2.793296	307	0.828	0.001555	2.159914	285.1671	14.75792
PJ15_05_G_21	0.0466	0.0017	3.648069	0.05299	0.00085	1.604076	307	0.828	0.000639	1.908823	293.4302	15.83293
PJ15_05_H_21	0.0482	0.0023	4.771784	0.0533	0.0023	4.315197	307	0.828	0.001039	4.051378	303.1531	29.12185
PJ15_05_I_21	0.0486	0.0026	5.349794	0.0531	0.0012	2.259887	307	0.828	0.000781	2.437874	305.6873	22.61989
PJ15_05_J_21	0.0482	0.0014	2.904564	0.0533	0.0016	3.001876	307	0.828	0.001039	2.81835	303.1531	19.65227
PJ15_05_K_21	0.0488	0.0013	2.663934	0.0533	0.0019	3.564728	307	0.828	0.001039	3.346791	306.8384	22.60014
PJ15_05_L_21	0.0503	0.0019	3.777336	0.05118	0.00092	1.797577	307	0.828	-0.00169	#NUM!	316.8864	#VALUE!
PJ15_05_M_21	0.0496	0.0017	3.427419	0.0526	0.0021	3.992395	307	0.828	0.000136	10.21143	312.0238	65.86697
PJ15_05_A_22	0.0863	0.0074	8.574739	0.314	0.026	8.280255	307	0.828	0.337207	2.682801	358.569	37.18992
PJ15_05_B_22	0.0858	0.0079	9.207459	0.372	0.042	11.29032	307	0.828	0.411997	4.018138	317.288	39.62467
PJ15_05_C_22	0.0754	0.0078	10.34483	0.425	0.039	9.176471	307	0.828	0.480339	3.544449	247.7633	31.59838
PJ15_05_D_22	0.0792	0.0091	11.4899	0.412	0.053	12.86408	307	0.828	0.463576	4.871511	268.2165	41.12683
PJ15_05_E_22	0.0833	0.0079	9.483794	0.393	0.047	11.95929	307	0.828	0.439076	4.398324	294.3835	38.84513
PJ15_05_F_22	0.0843	0.005	5.931198	0.389	0.047	12.08226	307	0.828	0.433918	4.416029	300.513	32.64513
PJ15_05_G_22	0.0839	0.0043	5.125149	0.329	0.023	6.990881	307	0.828	0.356549	2.32184	338.9443	24.02374
PJ15_05_H_22	0.0785	0.0053	6.751592	0.36	0.03	8.333333	307	0.828	0.396523	2.909877	298.3728	27.16376
PJ15_05_I_22	0.0787	0.0065	8.259212	0.345	0.029	8.405797	307	0.828	0.377181	2.865394	308.4769	31.68615
PJ15_05_J_22	0.0825	0.008	9.69697	0.327	0.029	8.868502	307	0.828	0.35397	2.935793	334.7346	38.83105
PJ15_05_K_22	0.0764	0.0044	5.759162	0.325	0.015	4.615385	307	0.828	0.351391	1.522843	311.7812	20.77798
PJ15_05_L_22	0.0754	0.008	10.61008	0.345	0.018	5.217391	307	0.828	0.377181	1.77852	295.8342	33.78787
PJ15_05_M_22	0.0793	0.0082	10.34048	0.335	0.038	11.34328	307	0.828	0.364286	3.804505	317.0514	41.58723
PJ15_05_A_23	0.0748	0.0067	8.957219	0.192	0.015	7.8125	307	0.828	0.17989	2.040238	383.7953	38.80661
PJ15_05_B_23	0.0727	0.0036	4.951857	0.238	0.025	10.5042	307	0.828	0.239206	2.984104	347.0381	27.59135
PJ15_05_C_23	0.088	0.012	13.63636	0.302	0.036	11.92053	307	0.828	0.321733	3.785479	373.7248	59.73543
PJ15_05_D_23	0.097	0.016	16.49485	0.347	0.027	7.78098	307	0.828	0.37976	2.660977	376.6187	66.87252

PJ15_05_E_23	0.0873	0.0052	5.956472	0.345	0.037	10.72464	307	0.828	0.377181	3.655847	341.3083	32.97107
PJ15_05_F_23	0.093	0.0045	4.83871	0.339	0.021	6.19469	307	0.828	0.369444	2.091246	367.3599	24.13277
PJ15_05_G_23	0.0951	0.0065	6.834911	0.361	0.016	4.432133	307	0.828	0.397812	1.550102	358.9896	27.64766
PJ15_05_H_23	0.0994	0.0061	6.136821	0.394	0.034	8.629442	307	0.828	0.440365	3.178614	348.9803	31.60821
PJ15_05_I_23	0.1076	0.0099	9.200743	0.395	0.031	7.848101	307	0.828	0.441655	2.895292	376.0996	41.96617
PJ15_05_J_23	0.114	0.014	12.2807	0.413	0.037	8.958838	307	0.828	0.464865	3.397819	381.7367	54.962
PJ15_05_K_23	0.1171	0.0097	8.283518	0.436	0.033	7.568807	307	0.828	0.494523	2.972383	370.7056	38.78784
PJ15_05_L_23	0.1278	0.0094	7.355243	0.436	0.019	4.357798	307	0.828	0.494523	1.711372	403.5394	33.69584
PJ15_05_M_23	0.126	0.011	8.730159	0.435	0.036	8.275862	307	0.828	0.493234	3.245174	399.0123	44.62298
PJ15_05_A_24	0.0684	0.0042	6.140351	0.242	0.011	4.545455	307	0.828	0.244364	1.300606	324.8613	22.18064
PJ15_05_B_24	0.0701	0.0048	6.847361	0.2408	0.0089	3.696013	307	0.828	0.242817	1.055281	333.3945	24.47057
PJ15_05_C_24	0.0732	0.0058	7.923497	0.241	0.015	6.224066	307	0.828	0.243075	1.777724	347.632	30.94508
PJ15_05_D_24	0.0734	0.0053	7.220708	0.275	0.015	5.454545	307	0.828	0.286917	1.654127	328.8737	26.74299
PJ15_05_E_24	0.0751	0.0046	6.125166	0.302	0.012	3.97351	307	0.828	0.321733	1.261826	320.277	21.71664
PJ15_05_F_24	0.0784	0.0068	8.673469	0.347	0.04	11.52738	307	0.828	0.37976	3.942188	306.0857	36.63878
PJ15_05_G_24	0.0867	0.0044	5.074971	0.368	0.028	7.608696	307	0.828	0.406839	2.690815	323.2772	24.4764
PJ15_05_H_24	0.0902	0.0052	5.764967	0.408	0.023	5.637255	307	0.828	0.458418	2.121747	307.4617	22.50319
PJ15_05_I_24	0.103	0.011	10.67961	0.472	0.032	6.779661	307	0.828	0.540945	2.808579	297.8172	36.6754
PJ15_05_J_24	0.1115	0.0089	7.982063	0.449	0.021	4.67706	307	0.828	0.511287	1.872809	342.0383	30.89844
PJ15_05_K_24	0.1073	0.0092	8.574091	0.451	0.029	6.430155	307	0.828	0.513866	2.582464	327.7828	33.57055
PJ15_05_L_24	0.1021	0.0048	4.701273	0.421	0.025	5.938242	307	0.828	0.475181	2.279802	336.4879	22.58294
PJ15_05_M_24	0.1023	0.0033	3.225806	0.427	0.035	8.196721	307	0.828	0.482918	3.175611	332.286	24.24532
PJ15_05_A_25	0.0609	0.0025	4.10509	0.161	0.016	9.937888	307	0.828	0.139916	2.4523	329.1115	21.55996
PJ15_05_B_25	0.061	0.0029	4.754098	0.217	0.026	11.98157	307	0.828	0.212127	3.276503	302.6016	25.0337
PJ15_05_C_25	0.0636	0.0039	6.132075	0.236	0.022	9.322034	307	0.828	0.236627	2.63875	305.6164	25.27143
PJ15_05_D_25	0.0641	0.0041	6.396256	0.255	0.021	8.235294	307	0.828	0.261127	2.411539	298.3038	24.412
PJ15_05_E_25	0.0709	0.0035	4.93653	0.291	0.024	8.247423	307	0.828	0.307549	2.570732	308.9618	22.51873
PJ15_05_F_25	0.079	0.0042	5.316456	0.303	0.028	9.240924	307	0.828	0.323022	2.939485	335.8591	27.26929
PJ15_05_G_25	0.0827	0.0043	5.199516	0.385	0.039	10.12987	307	0.828	0.42876	3.679431	297.564	27.382
PJ15_05_H_25	0.0797	0.0034	4.265997	0.388	0.021	5.412371	307	0.828	0.432628	1.975128	285.1051	16.92596
PJ15_05_I_25	0.101	0.013	12.87129	0.405	0.035	8.641975	307	0.828	0.454549	3.237721	345.6989	50.96735
PJ15_05_J_25	0.1171	0.0095	8.112724	0.468	0.023	4.91453	307	0.828	0.535787	2.023998	341.2303	31.69328
PJ15_05_K_25	0.146	0.034	23.28767	0.537	0.053	9.869646	307	0.828	0.624761	4.489054	343.8315	87.54745
PJ15_05_L_25	0.161	0.027	16.77019	0.565	0.041	7.256637	307	0.828	0.660866	3.432371	342.7044	63.46771
PJ15_05_M_25	0.145	0.022	15.17241	0.592	0.046	7.77027	307	0.828	0.695682	3.814547	278.3575	48.12742
PJ15_05_A_26	0.0816	0.007	8.578431	0.394	0.074	18.78173	307	0.828	0.440365	6.91816	287.8594	47.74786
PJ15_05_B_26	0.0864	0.0046	5.324074	0.414	0.038	9.178744	307	0.828	0.466155	3.486542	290.6825	26.03334

PJ15_05_C_26	0.0938	0.0073	7.782516	0.423	0.033	7.801418	307	0.828	0.47776	3.004213	308.2938	30.9735
PJ15_05_D_26	0.0922	0.0077	8.35141	0.453	0.036	7.94702	307	0.828	0.516445	3.201162	281.1832	30.17329
PJ15_05_E_26	0.0939	0.0071	7.561235	0.454	0.042	9.251101	307	0.828	0.517734	3.731998	285.5075	30.94161
PJ15_05_F_26	0.0937	0.0081	8.64461	0.456	0.048	10.52632	307	0.828	0.520313	4.259046	283.4221	35.06843
PJ15_05_G_26	0.0933	0.0042	4.501608	0.452	0.03	6.637168	307	0.828	0.515155	2.669568	285.2069	20.33283
PJ15_05_H_26	0.118	0.011	9.322034	0.451	0.027	5.986696	307	0.828	0.513866	2.404363	359.5738	38.67206
PJ15_05_I_26	0.112	0.011	9.821429	0.443	0.023	5.191874	307	0.828	0.50355	2.060426	348.8259	38.06412
PJ15_05_J_26	0.0985	0.0068	6.903553	0.507	0.038	7.495069	307	0.828	0.586077	3.266634	257.6131	24.93335
PJ15_05_K_26	0.1008	0.0081	8.035714	0.51	0.021	4.117647	307	0.828	0.589945	1.80236	261.0936	23.42444
PJ15_05_L_26	0.105	0.0076	7.238095	0.49	0.028	5.714286	307	0.828	0.564155	2.430181	288.4604	25.66957
PJ15_05_M_26	0.111	0.013	11.71171	0.461	0.031	6.724512	307	0.828	0.52676	2.741	330.0332	43.64063
PJ15_05_A_27	0.066	0.0035	5.30303	0.214	0.012	5.607477	307	0.828	0.208259	1.525024	328.3508	20.57466
PJ15_05_B_27	0.0668	0.0042	6.287425	0.253	0.023	9.090909	307	0.828	0.258548	2.652684	311.6291	26.2132
PJ15_05_C_27	0.0684	0.0037	5.409357	0.284	0.016	5.633803	307	0.828	0.298522	1.735186	302.1146	19.84809
PJ15_05_D_27	0.0704	0.0041	5.823864	0.292	0.011	3.767123	307	0.828	0.308838	1.176217	306.276	19.67155
PJ15_05_E_27	0.0709	0.0041	5.782793	0.299	0.016	5.351171	307	0.828	0.317864	1.690743	304.466	20.85141
PJ15_05_F_27	0.0764	0.0033	4.319372	0.311	0.016	5.144695	307	0.828	0.333338	1.658572	320.2469	17.85682
PJ15_05_G_27	0.0723	0.0045	6.224066	0.361	0.026	7.202216	307	0.828	0.397812	2.518916	274.727	22.43494
PJ15_05_H_27	0.079	0.006	7.594937	0.379	0.03	7.915567	307	0.828	0.421023	2.848276	288.3094	27.93246
PJ15_05_I_27	0.0846	0.0047	5.555556	0.379	0.025	6.596306	307	0.828	0.421023	2.373564	308.2653	23.03255
PJ15_05_J_27	0.0871	0.0042	4.822044	0.405	0.019	4.691358	307	0.828	0.454549	1.75762	299.2085	18.24974
PJ15_05_K_27	0.0952	0.0072	7.563025	0.433	0.031	7.159353	307	0.828	0.490655	2.798929	305.2422	29.34518
PJ15_05_L_27	0.0938	0.0064	6.823028	0.469	0.032	6.823028	307	0.828	0.537076	2.814125	274.0108	24.71081
PJ15_05_M_27	0.108	0.014	12.96296	0.439	0.051	11.61731	307	0.828	0.498392	4.582876	340.0949	55.20628
PJ15_05_A_28	0.0757	0.0065	8.586526	0.339	0.042	12.38938	307	0.828	0.369444	4.182493	300.5891	36.78145
PJ15_05_B_28	0.0701	0.0064	9.129815	0.231	0.014	6.060606	307	0.828	0.23018	1.700132	338.815	33.80294
PJ15_05_C_28	0.068	0.0051	7.5	0.249	0.022	8.835341	307	0.828	0.25339	2.559871	319.2439	29.65157
PJ15_05_D_28	0.0762	0.007	9.186352	0.303	0.046	15.18152	307	0.828	0.323022	4.829154	324.2495	44.17414
PJ15_05_E_28	0.0739	0.0072	9.742896	0.337	0.055	16.32047	307	0.828	0.366865	5.491698	294.7758	44.13212
PJ15_05_F_28	0.0664	0.0034	5.120482	0.301	0.029	9.634551	307	0.828	0.320443	3.054396	284.507	23.14431
PJ15_05_G_28	0.0651	0.0042	6.451613	0.268	0.015	5.597015	307	0.828	0.277891	1.676813	296.1343	21.99714
PJ15_05_H_28	0.0672	0.0056	8.333333	0.249	0.02	8.032129	307	0.828	0.25339	2.327155	315.5785	30.79776
PJ15_05_I_28	0.074	0.0052	7.027027	0.235	0.022	9.361702	307	0.828	0.235338	2.645207	354.8237	32.0052
PJ15_05_J_28	0.0764	0.0064	8.376963	0.248	0.025	10.08065	307	0.828	0.252101	2.915481	358.2057	37.48609
PJ15_05_K_28	0.0692	0.0053	7.65896	0.28	0.02	7.142857	307	0.828	0.293364	2.184898	307.7597	27.73632
PJ15_05_L_28	0.0685	0.0036	5.255474	0.316	0.027	8.544304	307	0.828	0.339786	2.777568	285.1369	22.25593
PJ15_05_M_28	0.0769	0.0074	9.622887	0.386	0.024	6.217617	307	0.828	0.430049	2.261925	276.5246	29.97341

PJ15_05_A_29	0.145	0.036	24.82759	0.555	0.045	8.108108	307	0.828	0.647972	3.782125	320.9287	84.84232
PJ15_05_B_29	0.089	0.014	15.73034	0.375	0.067	17.86667	307	0.828	0.415865	6.388732	326.7153	67.56311
PJ15_05_C_29	0.0636	0.007	11.00629	0.213	0.036	16.90141	307	0.828	0.206969	4.588125	317.2025	46.42368
PJ15_05_D_29	0.0644	0.0057	8.850932	0.184	0.017	9.23913	307	0.828	0.169574	2.377402	335.848	34.54521
PJ15_05_E_29	0.0695	0.0064	9.208633	0.18	0.013	7.222222	307	0.828	0.164416	1.844763	363.8962	37.03122
PJ15_05_F_29	0.0672	0.0041	6.10119	0.205	0.021	10.2439	307	0.828	0.196653	2.740221	338.9404	28.47794
PJ15_05_G_29	0.0641	0.0045	7.020281	0.237	0.014	5.907173	307	0.828	0.237917	1.675133	307.4546	24.44914
PJ15_05_H_29	0.0661	0.0047	7.110439	0.236	0.022	9.322034	307	0.828	0.236627	2.63875	317.3386	28.7392
PJ15_05_I_29	0.0693	0.003	4.329004	0.229	0.02	8.733624	307	0.828	0.227601	2.441111	336.1407	22.47607
PJ15_05_J_29	0.0677	0.0029	4.283604	0.2349	0.0098	4.171988	307	0.828	0.235209	1.178609	325.4183	16.29865
PJ15_05_K_29	0.0674	0.0025	3.709199	0.2331	0.0088	3.775204	307	0.828	0.232888	1.063056	324.9709	14.23403
PJ15_05_L_29	0.0704	0.0031	4.403409	0.23	0.011	4.782609	307	0.828	0.22889	1.339199	340.7825	18.01132
PJ15_05_M_29	0.075	0.0043	5.733333	0.257	0.026	10.11673	307	0.828	0.263706	2.972962	346.5025	29.33689
PJ15_05_A_30	0.0642	0.0046	7.165109	0.197	0.02	10.15228	307	0.828	0.186337	2.675896	328.2418	30.04534
PJ15_05_B_30	0.0667	0.0061	9.145427	0.249	0.022	8.835341	307	0.828	0.25339	2.559871	313.2866	33.55891
PJ15_05_C_30	0.071	0.0049	6.901408	0.282	0.018	6.382979	307	0.828	0.295943	1.959191	314.4481	25.52327
PJ15_05_D_30	0.0705	0.005	7.092199	0.306	0.023	7.51634	307	0.828	0.326891	2.402978	298.8728	26.15467
PJ15_05_E_30	0.0768	0.0062	8.072917	0.297	0.016	5.387205	307	0.828	0.315286	1.696385	330.3791	29.61693
PJ15_05_F_30	0.0773	0.0063	8.150065	0.316	0.014	4.43038	307	0.828	0.339786	1.44022	320.8701	28.37568
PJ15_05_G_30	0.0751	0.006	7.989348	0.305	0.02	6.557377	307	0.828	0.325601	2.092884	318.4947	29.38085
PJ15_05_H_30	0.0747	0.0035	4.685408	0.314	0.014	4.458599	307	0.828	0.337207	1.444585	311.5166	17.54485
PJ15_05_I_30	0.0779	0.0036	4.621309	0.327	0.012	3.669725	307	0.828	0.35397	1.214811	316.5212	16.91601
PJ15_05_J_30	0.0758	0.005	6.596306	0.335	0.01	2.985075	307	0.828	0.364286	1.001186	303.382	21.37817
PJ15_05_K_30	0.0742	0.0045	6.06469	0.328	0.019	5.792683	307	0.828	0.355259	1.920737	301.2452	22.10159
PJ15_05_L_30	0.0757	0.0058	7.661823	0.327	0.015	4.587156	307	0.828	0.35397	1.518514	307.7922	25.93071
PJ15_05_M_30	0.0789	0.0067	8.491762	0.328	0.012	3.658537	307	0.828	0.355259	1.213097	319.8609	28.89641
PJ15_05_A_31	0.113	0.013	11.50442	0.518	0.045	8.687259	307	0.828	0.600261	3.846267	284.8029	40.173
PJ15_05_B_31	0.1029	0.0063	6.122449	0.46	0.043	9.347826	307	0.828	0.525471	3.804673	307.3286	30.66948
PJ15_05_C_31	0.1107	0.0083	7.497742	0.477	0.018	3.773585	307	0.828	0.547392	1.574751	315.1582	26.21331
PJ15_05_D_31	0.1106	0.0084	7.594937	0.471	0.028	5.944798	307	0.828	0.539655	2.459115	320.1314	29.62961
PJ15_05_E_31	0.44	0.17	38.63636	0.686	0.095	13.8484	307	0.828	0.816894	7.705968	499.5049	212.4989
PJ15_05_F_31	0.44	0.17	38.63636	0.706	0.087	12.32295	307	0.828	0.842683	7.036833	431.4508	180.9206
PJ15_05_G_31	0.153	0.029	18.95425	0.567	0.062	10.93474	307	0.828	0.663445	5.186471	323.6804	71.32705
PJ15_05_H_31	0.166	0.05	30.12048	0.633	0.084	13.27014	307	0.828	0.748551	6.885795	263.6124	88.5064
PJ15_05_I_31	0.163	0.051	31.28834	0.6	0.1	16.66667	307	0.828	0.705998	8.271693	301.7529	108.4207
PJ15_05_J_31	0.125	0.025	20	0.493	0.051	10.34483	307	0.828	0.568024	4.418624	339.0145	75.66495
PJ15_05_K_31	0.105	0.011	10.47619	0.506	0.037	7.312253	307	0.828	0.584787	3.182385	275.0926	34.35923

PJ15_05_L_31	0.102	0.013	12.7451	0.49	0.035	7.142857	307	0.828	0.564155	3.037726	280.3953	40.33641
PJ15_05_M_31	0.119	0.024	20.16807	0.502	0.059	11.75299	307	0.828	0.579629	5.085724	314.6698	72.43188
PJ15_05_A_32	0.0783	0.0038	4.853129	0.314	0.019	6.050955	307	0.828	0.337207	1.960509	326.1559	20.83928
PJ15_05_B_32	0.0822	0.0045	5.474453	0.318	0.032	10.06289	307	0.828	0.342365	3.282095	339.3852	29.71723
PJ15_05_C_32	0.0906	0.006	6.622517	0.388	0.036	9.278351	307	0.828	0.432628	3.385934	323.1349	31.31077
PJ15_05_D_32	0.0976	0.0088	9.016393	0.473	0.032	6.765328	307	0.828	0.542234	2.806753	281.7641	30.51762
PJ15_05_E_32	0.133	0.012	9.022556	0.489	0.032	6.543967	307	0.828	0.562866	2.778996	364.2969	39.59458
PJ15_05_F_32	0.154	0.018	11.68831	0.595	0.054	9.07563	307	0.828	0.699551	4.473661	291.5755	43.75581
PJ15_05_G_32	0.174	0.022	12.64368	0.597	0.051	8.542714	307	0.828	0.70213	4.222473	325.7434	50.60153
PJ15_05_H_32	0.165	0.028	16.9697	0.59	0.047	7.966102	307	0.828	0.693103	3.900001	318.4369	60.67969
PJ15_05_I_32	0.182	0.023	12.63736	0.593	0.046	7.757167	307	0.828	0.696972	3.813322	346.0692	52.26465
PJ15_05_J_32	0.185	0.025	13.51351	0.62	0.049	7.903226	307	0.828	0.731788	4.030025	312.1835	50.13439
PJ15_05_K_32	0.168	0.026	15.47619	0.674	0.073	10.83086	307	0.828	0.80142	5.933256	211.5522	41.80542
PJ15_05_L_32	0.213	0.038	17.84038	0.639	0.083	12.98905	307	0.828	0.756288	6.794137	326.2412	74.61195
PJ15_05_M_32	0.192	0.036	18.75	0.63	0.047	7.460317	307	0.828	0.744683	3.855604	308.5078	63.75065
PJ15_05_A_33	0.0673	0.0049	7.280832	0.283	0.019	6.713781	307	0.828	0.297233	2.06427	297.9006	25.46873
PJ15_05_B_33	0.0729	0.0044	6.035665	0.317	0.029	9.148265	307	0.828	0.341075	2.97884	302.4501	26.20795
PJ15_05_C_33	0.0884	0.0088	9.954751	0.42	0.047	11.19048	307	0.828	0.473892	4.289713	293.0468	39.28009
PJ15_05_D_33	0.101	0.013	12.87129	0.465	0.024	5.16129	307	0.828	0.531918	2.11626	297.7776	41.16154
PJ15_05_E_33	0.119	0.019	15.96639	0.556	0.056	10.07194	307	0.828	0.649261	4.704737	263.5965	49.67241
PJ15_05_F_33	0.154	0.031	20.12987	0.573	0.043	7.504363	307	0.828	0.671182	3.589074	318.4369	69.38858
PJ15_05_G_33	0.193	0.016	8.290155	0.59	0.031	5.254237	307	0.828	0.693103	2.572341	370.9473	37.1468
PJ15_05_H_33	0.141	0.014	9.929078	0.563	0.04	7.104796	307	0.828	0.658288	3.351233	303.3471	37.10124
PJ15_05_I_33	0.141	0.024	17.02128	0.595	0.065	10.92437	307	0.828	0.699551	5.384963	267.4653	54.77375
PJ15_05_J_33	0.151	0.024	15.89404	0.559	0.06	10.73345	307	0.828	0.65313	5.034738	329.1012	63.21817
PJ15_05_K_33	0.165	0.027	16.36364	0.599	0.07	11.68614	307	0.828	0.704709	5.791961	306.677	62.6656
PJ15_05_L_33	0.137	0.019	13.86861	0.638	0.045	7.053292	307	0.828	0.754999	3.684427	212.8231	33.89187
PJ15_05_M_33	0.14	0.018	12.85714	0.59	0.03	5.084746	307	0.828	0.693103	2.489362	271.1884	38.07492
PJ15_05_A_34	0.0732	0.0038	5.191257	0.313	0.041	13.09904	307	0.828	0.335917	4.237031	305.9874	31.06653
PJ15_05_B_34	0.0714	0.0046	6.442577	0.308	0.019	6.168831	307	0.828	0.32947	1.978796	301.4673	23.29332
PJ15_05_C_34	0.0701	0.0053	7.560628	0.301	0.016	5.315615	307	0.828	0.320443	1.685184	299.9972	25.37017
PJ15_05_D_34	0.0789	0.007	8.87199	0.315	0.014	4.444444	307	0.828	0.338496	1.442395	327.9692	31.31247
PJ15_05_E_34	0.0816	0.006	7.352941	0.375	0.033	8.8	307	0.828	0.415865	3.146689	300.1726	29.67067
PJ15_05_F_34	0.0836	0.0034	4.066986	0.426	0.042	9.859155	307	0.828	0.481629	3.813906	273.4771	24.10367
PJ15_05_G_34	0.0855	0.009	10.52632	0.434	0.051	11.75115	307	0.828	0.491944	4.600998	274.1128	39.03294
PJ15_05_H_34	0.0931	0.0084	9.022556	0.442	0.028	6.334842	307	0.828	0.50226	2.510263	292.0093	30.77065
PJ15_05_I_34	0.104	0.012	11.53846	0.467	0.035	7.494647	307	0.828	0.534497	3.082056	304.7665	40.69754

PJ15_05_J_34	0.114	0.01	8.77193	0.525	0.053	10.09524	307	0.828	0.609287	4.514375	280.9206	36.04398
PJ15_05_K_34	0.117	0.01	8.547009	0.505	0.027	5.346535	307	0.828	0.583498	2.32354	306.7246	30.48926
PJ15_05_L_34	0.121	0.013	10.7438	0.553	0.049	8.860759	307	0.828	0.645393	4.121684	270.8298	37.34835
PJ15_05_M_34	0.1162	0.0068	5.851979	0.543	0.044	8.103131	307	0.828	0.632498	3.716832	269.5703	25.99154
PJ15_05_A_35	0.0934	0.0067	7.173448	0.368	0.034	9.23913	307	0.828	0.406839	3.267418	347.5974	34.56304
PJ15_05_B_35	0.0873	0.0078	8.934708	0.409	0.031	7.579462	307	0.828	0.459707	2.857129	297.1084	32.16759
PJ15_05_C_35	0.0945	0.0072	7.619048	0.375	0.037	9.866667	307	0.828	0.415865	3.528106	346.3725	36.84778
PJ15_05_D_35	0.0946	0.0049	5.179704	0.348	0.016	4.597701	307	0.828	0.381049	1.57488	366.8181	22.8416
PJ15_05_E_35	0.093	0.007	7.526882	0.363	0.022	6.060606	307	0.828	0.400391	2.126403	349.8102	31.00286
PJ15_05_F_35	0.087	0.0048	5.517241	0.382	0.025	6.544503	307	0.828	0.424891	2.366015	314.7331	23.40171
PJ15_05_G_35	0.0924	0.0058	6.277056	0.344	0.024	6.976744	307	0.828	0.375891	2.374414	361.4257	29.19424
PJ15_05_H_35	0.0905	0.006	6.629834	0.391	0.046	11.76471	307	0.828	0.436497	4.313352	320.64	35.66897
PJ15_05_I_35	0.0791	0.0089	11.25158	0.363	0.039	10.7438	307	0.828	0.400391	3.769532	298.7181	41.27748
PJ15_05_J_35	0.0778	0.0064	8.226221	0.353	0.031	8.78187	307	0.828	0.387496	3.032377	300.0948	31.3191
PJ15_05_K_35	0.0744	0.0035	4.704301	0.331	0.034	10.2719	307	0.828	0.359128	3.422738	300.2678	25.48004
PJ15_05_L_35	0.0741	0.0063	8.502024	0.307	0.03	9.771987	307	0.828	0.32818	3.129349	313.1821	33.79104
PJ15_05_M_35	0.0805	0.0099	12.29814	0.321	0.027	8.411215	307	0.828	0.346233	2.757035	330.6374	45.56359
PJ15_05_A_36	0.0601	0.0058	9.650582	0.212	0.024	11.32075	307	0.828	0.20568	3.067541	300.6232	35.09656
PJ15_05_B_36	0.0672	0.0042	6.25	0.317	0.067	21.13565	307	0.828	0.341075	6.882148	279.3065	43.00653
PJ15_05_C_36	0.069	0.0026	3.768116	0.371	0.026	7.008086	307	0.828	0.410707	2.490191	256.9301	16.34918
PJ15_05_D_36	0.066	0.0054	8.181818	0.36	0.048	13.33333	307	0.828	0.396523	4.655802	251.776	31.74803
PJ15_05_E_36	0.0649	0.0032	4.930663	0.313	0.032	10.22364	307	0.828	0.335917	3.306951	272.0133	22.8794
PJ15_05_F_36	0.0667	0.0039	5.847076	0.318	0.031	9.748428	307	0.828	0.342365	3.179529	276.7412	24.38106
PJ15_05_G_36	0.0793	0.0045	5.674653	0.343	0.027	7.87172	307	0.828	0.374602	2.674675	312.0291	24.88416
PJ15_05_H_36	0.0936	0.0071	7.58547	0.372	0.036	9.677419	307	0.828	0.411997	3.444118	345.3728	36.25103
PJ15_05_I_36	0.0866	0.0084	9.699769	0.41	0.033	8.04878	307	0.828	0.460997	3.038691	294.092	34.35095
PJ15_05_J_36	0.0752	0.0067	8.909574	0.373	0.041	10.99196	307	0.828	0.413286	3.918125	278.3257	33.65967
PJ15_05_K_36	0.069	0.0053	7.681159	0.328	0.03	9.146341	307	0.828	0.355259	3.032742	280.5863	28.00718
PJ15_05_L_36	0.0669	0.0045	6.726457	0.33	0.031	9.393939	307	0.828	0.357838	3.125069	271.1582	25.37883
PJ15_05_M_36	0.0688	0.004	5.813953	0.328	0.021	6.402439	307	0.828	0.355259	2.12292	279.7904	20.55353
PJ15_05_A_37	0.116	0.022	18.96552	0.478	0.031	6.485356	307	0.828	0.548682	2.710355	328.9511	66.22822
PJ15_05_B_37	0.143	0.014	9.79021	0.545	0.051	9.357798	307	0.828	0.635077	4.304407	327.9163	43.70748
PJ15_05_C_37	0.177	0.032	18.0791	0.587	0.028	4.770017	307	0.828	0.689235	2.325704	345.1789	65.8564
PJ15_05_D_37	0.1259	0.0098	7.783956	0.55	0.038	6.909091	307	0.828	0.641524	3.200392	284.5659	29.2536
PJ15_05_E_37	0.157	0.022	14.01274	0.532	0.035	6.578947	307	0.828	0.618314	2.971284	375.168	58.53118
PJ15_05_F_37	0.186	0.013	6.989247	0.586	0.06	10.23891	307	0.828	0.687946	4.985317	363.7076	45.39917
PJ15_05_G_37	0.158	0.018	11.39241	0.569	0.071	12.47803	307	0.828	0.666024	5.934887	331.4941	55.72351

PJ15_05_H_37	0.32	0.21	65.625	0.637	0.072	11.30298	307	0.828	0.753709	5.896467	489.0343	330.1555
PJ15_05_I_37	0.49	0.18	36.73469	0.732	0.045	6.147541	307	0.828	0.87621	3.629072	379.621	144.7794
PJ15_05_J_37	0.259	0.084	32.43243	0.642	0.063	9.813084	307	0.828	0.760157	5.153446	388.5022	134.8551
PJ15_05_K_37	0.195	0.027	13.84615	0.587	0.049	8.34753	307	0.828	0.689235	4.069982	379.2683	62.44083
PJ15_05_L_37	0.57	0.36	63.15789	0.696	0.091	13.07471	307	0.828	0.829788	7.370416	596.9246	393.3773
PJ15_05_M_37	0.249	0.061	24.49799	0.652	0.068	10.42945	307	0.828	0.773051	5.550312	354.3673	97.24056
PJ15_05_A_38	0.0759	0.0091	11.98946	0.236	0.027	11.44068	307	0.828	0.236627	3.238466	363.0854	50.69804
PJ15_05_B_38	0.0818	0.0076	9.290954	0.307	0.034	11.07492	307	0.828	0.32818	3.546596	344.8701	41.27759
PJ15_05_C_38	0.08	0.0066	8.25	0.325	0.018	5.538462	307	0.828	0.351391	1.827412	326.1069	30.11221
PJ15_05_D_38	0.0756	0.0045	5.952381	0.32	0.02	6.25	307	0.828	0.344944	2.045247	311.5879	23.01571
PJ15_05_E_38	0.0849	0.0099	11.66078	0.342	0.023	6.725146	307	0.828	0.373312	2.281393	334.1734	42.80529
PJ15_05_F_38	0.0946	0.0075	7.928118	0.384	0.038	9.895833	307	0.828	0.42747	3.588815	340.0192	37.23189
PJ15_05_G_38	0.119	0.015	12.60504	0.491	0.049	9.979633	307	0.828	0.565445	4.25031	325.0241	50.48393
PJ15_05_H_38	0.1314	0.0068	5.175038	0.548	0.049	8.941606	307	0.828	0.638945	4.130302	298.8014	29.74326
PJ15_05_I_38	0.1367	0.0061	4.462326	0.566	0.025	4.416961	307	0.828	0.662156	2.092111	291.0464	18.18623
PJ15_05_J_38	0.141	0.012	8.510638	0.536	0.033	6.156716	307	0.828	0.623472	2.79634	333.4678	34.75938
PJ15_05_K_38	0.145	0.011	7.586207	0.54	0.035	6.481481	307	0.828	0.628629	2.960483	338.1075	33.31931
PJ15_05_L_38	0.141	0.017	12.05674	0.588	0.054	9.183673	307	0.828	0.690525	4.483799	275.3316	42.12976
PJ15_05_M_38	0.162	0.028	17.28395	0.564	0.056	9.929078	307	0.828	0.659577	4.689916	346.0535	69.53507
PJ15_05_A_39	0.0629	0.0047	7.472178	0.182	0.024	13.18681	307	0.828	0.166995	3.380722	329.215	33.94795
PJ15_05_B_39	0.0628	0.0045	7.165605	0.172	0.013	7.55814	307	0.828	0.1541	1.902459	333.6635	27.72377
PJ15_05_C_39	0.0672	0.0037	5.505952	0.18	0.012	6.666667	307	0.828	0.164416	1.702858	352.1765	23.3922
PJ15_05_D_39	0.0674	0.0046	6.824926	0.253	0.04	15.81028	307	0.828	0.258548	4.613364	314.361	36.86645
PJ15_05_E_39	0.0779	0.0084	10.78306	0.295	0.038	12.88136	307	0.828	0.312707	4.042512	336.2196	46.34935
PJ15_05_F_39	0.0874	0.0097	11.0984	0.356	0.06	16.85393	307	0.828	0.391365	5.847683	334.1055	55.05297
PJ15_05_G_39	0.0693	0.002	2.886003	0.303	0.012	3.960396	307	0.828	0.323022	1.259779	295.5508	11.57596
PJ15_05_H_39	0.0745	0.0075	10.06711	0.326	0.013	3.98773	307	0.828	0.35268	1.317915	303.6167	32.27072
PJ15_05_I_39	0.0809	0.0078	9.641533	0.336	0.014	4.166667	307	0.828	0.365575	1.399767	322.651	33.13242
PJ15_05_J_39	0.0795	0.009	11.32075	0.329	0.033	10.0304	307	0.828	0.356549	3.331335	321.6048	43.17219
PJ15_05_K_39	0.0778	0.0071	9.125964	0.338	0.046	13.60947	307	0.828	0.368154	4.58692	309.3477	40.8756
PJ15_05_L_39	0.0805	0.0052	6.459627	0.366	0.037	10.10929	307	0.828	0.40426	3.563841	301.9671	29.66976
PJ15_05_M_39	0.0741	0.0067	9.041835	0.312	0.028	8.974359	307	0.828	0.334628	2.898026	310.2477	34.04558
PJ15_05_A_40	0.0622	0.0022	3.536977	0.174	0.018	10.34483	307	0.828	0.156679	2.613427	329.5736	21.3054
PJ15_05_B_40	0.062	0.0044	7.096774	0.1716	0.0087	5.06993	307	0.828	0.153585	1.275221	329.7157	25.46087
PJ15_05_C_40	0.0607	0.0039	6.425041	0.187	0.01	5.347594	307	0.828	0.173443	1.38368	315.5777	22.58647
PJ15_05_D_40	0.0606	0.004	6.60066	0.218	0.02	9.174312	307	0.828	0.213417	2.513421	300.1821	25.44438
PJ15_05_E_40	0.0629	0.0025	3.974563	0.225	0.012	5.333333	307	0.828	0.222443	1.479915	307.816	15.60521

PJ15_05_F_40	0.0682	0.0035	5.131965	0.225	0.011	4.888889	307	0.828	0.222443	1.356589	333.0936	19.81399
PJ15_05_G_40	0.0719	0.0047	6.536857	0.25	0.02	8	307	0.828	0.25468	2.321971	336.5155	27.64094
PJ15_05_H_40	0.0722	0.0046	6.371191	0.269	0.012	4.460967	307	0.828	0.27918	1.338795	327.0535	23.14417
PJ15_05_I_40	0.0722	0.0035	4.847645	0.257	0.013	5.058366	307	0.828	0.263706	1.486481	333.8956	19.45847
PJ15_05_J_40	0.0719	0.0039	5.4242	0.258	0.018	6.976744	307	0.828	0.264996	2.053845	331.9757	23.13794
PJ15_05_K_40	0.077	0.011	14.28571	0.327	0.044	13.45566	307	0.828	0.35397	4.454307	312.9516	53.76304
PJ15_05_L_40	0.093	0.014	15.05376	0.42	0.087	20.71429	307	0.828	0.473892	7.940532	307.9372	68.65144
PJ15_05_M_40	0.069	0.0045	6.521739	0.3	0.028	9.333333	307	0.828	0.319154	2.953918	295.9438	26.59441
PJ15_05_A_41	0.0718	0.0055	7.660167	0.304	0.022	7.236842	307	0.828	0.324312	2.30587	305.3944	27.90281
PJ15_05_B_41	0.0758	0.0072	9.498681	0.367	0.029	7.901907	307	0.828	0.405549	2.790088	284.1173	31.92062
PJ15_05_C_41	0.0834	0.0075	8.992806	0.365	0.021	5.753425	307	0.828	0.40297	2.025048	313.2462	31.58014
PJ15_05_D_41	0.0907	0.0058	6.394708	0.368	0.02	5.434783	307	0.828	0.406839	1.922011	337.8077	25.82462
PJ15_05_E_41	0.0882	0.0049	5.555556	0.376	0.013	3.457447	307	0.828	0.417155	1.238254	323.1538	20.12552
PJ15_05_F_41	0.0878	0.0042	4.783599	0.409	0.045	11.00244	307	0.828	0.459707	4.147445	298.7712	29.21552
PJ15_05_G_41	0.093	0.013	13.97849	0.458	0.047	10.26201	307	0.828	0.522892	4.16442	279.87	46.37537
PJ15_05_H_41	0.0947	0.0079	8.342133	0.431	0.028	6.49652	307	0.828	0.488076	2.532156	305.178	30.42667
PJ15_05_I_41	0.144	0.032	22.22222	0.539	0.067	12.43043	307	0.828	0.62734	5.669737	336.9715	85.73162
PJ15_05_J_41	0.117	0.02	17.09402	0.497	0.064	12.87726	307	0.828	0.573182	5.532204	314.1393	65.2194
PJ15_05_K_41	0.1095	0.0059	5.388128	0.434	0.019	4.37788	307	0.828	0.491944	1.714097	349.0071	22.86233
PJ15_05_L_41	0.109	0.0045	4.12844	0.431	0.038	8.816705	307	0.828	0.488076	3.436497	350.0307	28.77567
PJ15_05_M_41	0.0985	0.0072	7.309645	0.401	0.025	6.234414	307	0.828	0.449392	2.321393	340.4694	30.20443
X10ED03_A_1	0.0521	0.0024	4.606526	0.1373	0.0083	6.045157	312	0.7745	0.117317	1.435818	289.8415	16.07246
X10ED03_B_1	0.0527	0.0015	2.8463	0.1368	0.0087	6.359649	312	0.7745	0.116625	1.509356	293.3295	12.43931
X10ED03_C_1	0.0552	0.0014	2.536232	0.1489	0.0086	5.775688	312	0.7745	0.133386	1.397998	301.2287	11.63053
X10ED03_D_1	0.0566	0.0011	1.943463	0.158	0.01	6.329114	312	0.7745	0.145992	1.5565	304.3027	11.42511
X10ED03_E_1	0.0615	0.0038	6.178862	0.162	0.011	6.790123	312	0.7745	0.151533	1.681911	327.8961	23.62147
X10ED03_F_1	0.0678	0.0032	4.719764	0.1757	0.0065	3.699488	312	0.7745	0.170511	0.939712	352.7143	18.39159
X10ED03_G_1	0.059	0.01	16.94915	0.131	0.03	22.90076	312	0.7745	0.10859	5.388968	330.4226	67.74105
X10ED03_H_1	0.0484	0.0018	3.719008	0.081	0.0028	3.45679	312	0.7745	0.039328	0.831531	292.9763	12.19944
X10ED03_I_1	0.0504	0.0013	2.579365	0.0874	0.0033	3.775744	312	0.7745	0.048193	0.885643	302.053	9.668873
X10ED03_J_1	0.0509	0.0022	4.3222	0.0936	0.0041	4.380342	312	0.7745	0.056782	1.014173	302.2913	14.75966
X10ED03_K_1	0.0532	0.0027	5.075188	0.0958	0.0046	4.80167	312	0.7745	0.059829	1.108691	314.6264	17.83294
X10ED03_L_1	0.0555	0.0032	5.765766	0.1002	0.0044	4.391218	312	0.7745	0.065925	1.01066	325.8156	20.38609
X10ED03_M_1	0.0578	0.0017	2.941176	0.105	0.0067	6.380952	312	0.7745	0.072574	1.467439	336.6178	14.34212
X10ED03_A_2	0.075	0.0097	12.93333	0.288	0.022	7.638889	312	0.7745	0.326075	2.384733	317.8629	44.75906
X10ED03_B_2	0.0647	0.0034	5.255023	0.293	0.023	7.849829	312	0.7745	0.333001	2.47215	272.3585	20.04149
X10ED03_C_2	0.0723	0.0056	7.745505	0.301	0.021	6.976744	312	0.7745	0.344083	2.228021	298.6795	27.25975

X10ED03_D_2	0.0737	0.0063	8.548168	0.299	0.017	5.685619	312	0.7745	0.341313	1.809403	305.5841	28.98402
X10ED03_E_2	0.0734	0.0034	4.632153	0.295	0.021	7.118644	312	0.7745	0.335772	2.249723	306.8695	20.26406
X10ED03_F_2	0.0742	0.0072	9.703504	0.3	0.038	12.66667	312	0.7745	0.342698	4.038078	306.9768	39.57068
X10ED03_G_2	0.0727	0.006	8.253095	0.331	0.028	8.459215	312	0.7745	0.385641	2.843857	281.6775	28.79448
X10ED03_H_2	0.0763	0.0051	6.684142	0.316	0.02	6.329114	312	0.7745	0.364862	2.074144	305.0663	24.52905
X10ED03_I_2	0.0792	0.0046	5.808081	0.323	0.016	4.95356	312	0.7745	0.374559	1.642869	311.6658	21.2735
X10ED03_J_2	0.0771	0.0045	5.836576	0.359	0.037	10.30641	312	0.7745	0.424428	3.630787	279.9044	26.59661
X10ED03_K_2	0.0812	0.004	4.926108	0.388	0.021	5.412371	312	0.7745	0.4646	1.999193	274.3335	17.75648
X10ED03_L_2	0.09	0.012	13.33333	0.376	0.057	15.15957	312	0.7745	0.447977	5.491559	312.5694	55.08902
X10ED03_M_2	0.09	0.012	13.33333	0.355	0.054	15.21127	312	0.7745	0.418887	5.323348	328.628	57.27094
X10ED03_A_3	0.0532	0.005	9.398496	0.154	0.014	9.090909	312	0.7745	0.140451	2.219942	288.2404	30.5683
X10ED03_B_3	0.0601	0.0051	8.485857	0.174	0.02	11.49425	312	0.7745	0.168156	2.910469	314.4836	33.07909
X10ED03_C_3	0.075	0.011	14.66667	0.255	0.048	18.82353	312	0.7745	0.280362	5.540476	338.8668	63.64166
X10ED03_D_3	0.0991	0.0069	6.962664	0.35	0.036	10.28571	312	0.7745	0.411961	3.569838	365.1246	37.35509
X10ED03_E_3	0.0963	0.0087	9.034268	0.415	0.026	6.26506	312	0.7745	0.502002	2.416341	301.9678	31.597
X10ED03_F_3	0.0912	0.0083	9.100877	0.472	0.061	12.92373	312	0.7745	0.580961	5.446784	241.7674	34.87585
X10ED03_G_3	0.0998	0.0045	4.509018	0.503	0.045	8.946322	312	0.7745	0.623904	3.951656	237.5317	21.97886
X10ED03_H_3	0.1072	0.0074	6.902985	0.462	0.051	11.03896	312	0.7745	0.567109	4.581666	292.4182	34.22912
X10ED03_I_3	0.114	0.012	10.52632	0.44	0.057	12.95455	312	0.7745	0.536633	5.196659	331.835	50.17698
X10ED03_J_3	0.108	0.011	10.18519	0.435	0.038	8.735632	312	0.7745	0.529707	3.477003	319.3801	40.25437
X10ED03_K_3	0.105	0.012	11.42857	0.473	0.085	17.9704	312	0.7745	0.582347	7.585314	276.6754	53.47249
X10ED03_L_3	0.1125	0.0093	8.266667	0.467	0.042	8.993576	312	0.7745	0.574035	3.761502	301.7454	34.43684
X10ED03_M_3	0.108	0.019	17.59259	0.497	0.075	15.09054	312	0.7745	0.615593	6.605777	262.223	58.61388
X10ED03_A_4	0.0943	0.0085	9.013786	0.411	0.036	8.759124	312	0.7745	0.496461	3.35688	299.0546	34.31214
X10ED03_B_4	0.093	0.01	10.75269	0.396	0.039	9.848485	312	0.7745	0.475682	3.684973	306.9138	40.84721
X10ED03_C_4	0.0912	0.0091	9.97807	0.374	0.03	8.02139	312	0.7745	0.445207	2.896284	318.1868	37.52273
X10ED03_D_4	0.0889	0.0075	8.436445	0.38	0.028	7.368421	312	0.7745	0.453518	2.686649	305.8115	31.24945
X10ED03_E_4	0.0856	0.0058	6.775701	0.397	0.034	8.564232	312	0.7745	0.477067	3.209598	282.2891	26.87705
X10ED03_F_4	0.095	0.011	11.57895	0.375	0.033	8.8	312	0.7745	0.446592	3.182607	330.3038	44.62625
X10ED03_G_4	0.1018	0.0071	6.97446	0.382	0.03	7.853403	312	0.7745	0.456289	2.872798	347.2831	32.16192
X10ED03_H_4	0.1108	0.0083	7.490975	0.409	0.034	8.312958	312	0.7745	0.49369	3.17577	351.8584	35.41986
X10ED03_I_4	0.102	0.012	11.76471	0.498	0.06	12.04819	312	0.7745	0.616978	5.281953	247.055	39.69887
X10ED03_J_4	0.11	0.015	13.63636	0.509	0.053	10.41257	312	0.7745	0.632216	4.640819	255.6606	42.87684
X10ED03_K_4	0.127	0.0093	7.322835	0.471	0.051	10.82803	312	0.7745	0.579576	4.556566	335.3243	40.11428
X10ED03_L_4	0.1308	0.0082	6.269113	0.462	0.032	6.926407	312	0.7745	0.567109	2.874771	355.0504	30.97471
X10ED03_M_4	0.131	0.012	9.160305	0.495	0.057	11.51515	312	0.7745	0.612822	5.025513	318.9424	44.31139
X10ED03_A_5	0.08	0.011	13.75	0.338	0.036	10.65089	312	0.7745	0.395338	3.623152	304.525	48.28547

X10ED03_B_5	0.0822	0.0091	11.07056	0.318	0.019	5.974843	312	0.7745	0.367632	1.964755	326.67	39.24406
X10ED03_C_5	0.081	0.0046	5.679012	0.357	0.024	6.722689	312	0.7745	0.421657	2.360482	295.1272	22.26336
X10ED03_D_5	0.0889	0.0065	7.311586	0.36	0.023	6.388889	312	0.7745	0.425813	2.254426	320.9355	28.20452
X10ED03_E_5	0.0931	0.006	6.444683	0.353	0.025	7.082153	312	0.7745	0.416116	2.470269	341.2315	28.39366
X10ED03_F_5	0.0953	0.0057	5.981112	0.375	0.037	9.866667	312	0.7745	0.446592	3.568377	331.3205	31.58053
X10ED03_G_5	0.095	0.013	13.68421	0.431	0.071	16.47332	312	0.7745	0.524166	6.515846	285.0108	54.83191
X10ED03_H_5	0.098	0.012	12.2449	0.387	0.03	7.751938	312	0.7745	0.463215	2.858744	330.4947	45.66551
X10ED03_I_5	0.1051	0.0099	9.4196	0.377	0.037	9.814324	312	0.7745	0.449362	3.561039	362.6711	43.90569
X10ED03_J_5	0.0997	0.0053	5.315948	0.393	0.012	3.053435	312	0.7745	0.471526	1.136994	331.0084	19.60859
X10ED03_K_5	0.1037	0.0098	9.450338	0.389	0.04	10.28278	312	0.7745	0.465985	3.804337	347.4511	43.16684
X10ED03_L_5	0.104	0.01	9.615385	0.382	0.046	12.04188	312	0.7745	0.456289	4.404957	354.5856	47.36284
X10ED03_M_5	0.0949	0.0088	9.272919	0.417	0.041	9.832134	312	0.7745	0.504772	3.804143	296.059	36.23746
X10ED03_A_6	0.0551	0.0033	5.989111	0.168	0.014	8.333333	312	0.7745	0.159845	2.086853	291.7197	21.74786
X10ED03_B_6	0.0616	0.0028	4.545455	0.21	0.012	5.714286	312	0.7745	0.218025	1.547913	303.2744	17.05477
X10ED03_C_6	0.0653	0.0033	5.053599	0.2168	0.0078	3.597786	312	0.7745	0.227445	0.987059	317.2705	17.62003
X10ED03_D_6	0.0695	0.0041	5.899281	0.236	0.019	8.050847	312	0.7745	0.254042	2.288842	325.8334	24.90731
X10ED03_E_6	0.0613	0.0038	6.199021	0.2034	0.0083	4.080629	312	0.7745	0.208883	1.09178	305.2782	20.51394
X10ED03_F_6	0.0615	0.0024	3.902439	0.197	0.01	5.076142	312	0.7745	0.200017	1.341897	309.6018	15.00377
X10ED03_G_6	0.077	0.013	16.88312	0.267	0.037	13.85768	312	0.7745	0.296985	4.167959	339.8411	65.37242
X10ED03_H_6	0.1096	0.007	6.386861	0.405	0.038	9.382716	312	0.7745	0.488149	3.561663	351.8567	34.50641
X10ED03_I_6	0.1139	0.0072	6.321335	0.473	0.054	11.41649	312	0.7745	0.582347	4.818905	299.59	35.24889
X10ED03_J_6	0.12	0.022	18.33333	0.54	0.088	16.2963	312	0.7745	0.675158	7.604504	246.5136	59.58223
X10ED03_K_6	0.124	0.018	14.51613	0.553	0.056	10.12658	312	0.7745	0.693167	4.816204	240.718	42.58801
X10ED03_L_6	0.139	0.015	10.79137	0.548	0.053	9.671533	312	0.7745	0.68624	4.566332	275.1867	39.62384
X10ED03_M_6	0.152	0.012	7.894737	0.567	0.066	11.64021	312	0.7745	0.71256	5.649774	275.6701	38.70692
X10ED03_A_7	0.0824	0.0042	5.097087	0.451	0.035	7.760532	312	0.7745	0.551871	3.166766	233.7496	19.32316
X10ED03_B_7	0.0836	0.0051	6.100478	0.45	0.035	7.777778	312	0.7745	0.550486	3.168891	237.8114	21.27526
X10ED03_C_7	0.0947	0.0092	9.714889	0.459	0.034	7.407407	312	0.7745	0.562953	3.060246	261.4329	30.56252
X10ED03_D_7	0.11	0.011	10	0.449	0.056	12.47216	312	0.7745	0.5491	5.07365	312.0589	45.39147
X10ED03_E_7	0.109	0.013	11.92661	0.522	0.066	12.64368	312	0.7745	0.650224	5.745363	241.204	40.5756
X10ED03_F_7	0.12	0.0097	8.083333	0.472	0.048	10.16949	312	0.7745	0.580961	4.285994	316.2689	38.07984
X10ED03_G_7	0.121	0.011	9.090909	0.482	0.05	10.37344	312	0.7745	0.594814	4.439067	308.5484	40.03587
X10ED03_H_7	0.124	0.015	12.09677	0.512	0.076	14.84375	312	0.7745	0.636371	6.645474	284.3059	52.02749
X10ED03_I_7	0.123	0.019	15.44715	0.535	0.069	12.8972	312	0.7745	0.668232	5.974261	257.836	51.16969
X10ED03_J_7	0.123	0.014	11.38211	0.557	0.034	6.104129	312	0.7745	0.698708	2.920082	234.5771	30.48985
X10ED03_K_7	0.142	0.012	8.450704	0.537	0.035	6.517691	312	0.7745	0.671003	3.028035	294.3381	31.23489
X10ED03_L_7	0.135	0.017	12.59259	0.555	0.071	12.79279	312	0.7745	0.695937	6.102008	259.3287	46.23677

X10ED03_M_7	0.13	0.018	13.84615	0.493	0.082	16.63286	312	0.7745	0.610052	7.237154	318.7767	65.12762
X10ED03_A_8	0.0639	0.0039	6.103286	0.223	0.016	7.174888	312	0.7745	0.236034	1.991316	307.2574	22.89371
X10ED03_B_8	0.069	0.0046	6.666667	0.232	0.018	7.758621	312	0.7745	0.248501	2.189549	325.8907	26.60721
X10ED03_C_8	0.0843	0.0071	8.422301	0.257	0.014	5.447471	312	0.7745	0.283132	1.60921	378.252	35.02935
X10ED03_D_8	0.0958	0.0056	5.845511	0.309	0.027	8.737864	312	0.7745	0.355165	2.829304	386.4122	32.31758
X10ED03_E_8	0.0986	0.0071	7.200811	0.376	0.037	9.840426	312	0.7745	0.447977	3.564696	341.6588	35.45684
X10ED03_F_8	0.105	0.01	9.52381	0.403	0.03	7.444169	312	0.7745	0.485379	2.81678	339.2481	38.42922
X10ED03_G_8	0.1052	0.0086	8.174905	0.427	0.038	8.899297	312	0.7745	0.518625	3.49798	318.4537	35.02997
X10ED03_H_8	0.108	0.012	11.11111	0.423	0.055	13.00236	312	0.7745	0.513084	5.078651	330.3844	50.83222
X10ED03_I_8	0.0992	0.0094	9.475806	0.446	0.045	10.08969	312	0.7745	0.544945	4.085402	284.6238	36.30789
X10ED03_J_8	0.1059	0.0058	5.476865	0.415	0.032	7.710843	312	0.7745	0.502002	2.973958	331.3095	27.42959
X10ED03_K_8	0.1108	0.0072	6.498195	0.403	0.042	10.42184	312	0.7745	0.485379	3.943491	357.4772	37.45399
X10ED03_L_8	0.1058	0.0091	8.601134	0.407	0.033	8.108108	312	0.7745	0.49092	3.087659	338.1805	36.65934
X10ED03_M_8	0.0943	0.0096	10.18028	0.401	0.029	7.23192	312	0.7745	0.482608	2.727726	307.0888	36.22483
X10ED03_A_9	0.0644	0.007	10.86957	0.383	0.052	13.57702	312	0.7745	0.457674	4.97458	221.3037	33.09121
X10ED03_B_9	0.075	0.01	13.33333	0.412	0.042	10.19417	312	0.7745	0.497846	3.913068	238.3217	37.42637
X10ED03_C_9	0.0798	0.0087	10.90226	0.384	0.053	13.80208	312	0.7745	0.459059	5.065246	272.4342	41.28125
X10ED03_D_9	0.085	0.0056	6.588235	0.388	0.027	6.958763	312	0.7745	0.4646	2.57039	286.8902	24.46919
X10ED03_E_9	0.0828	0.0066	7.971014	0.431	0.034	7.888631	312	0.7745	0.524166	3.120265	249.107	25.6603
X10ED03_F_9	0.0792	0.0056	7.070707	0.424	0.048	11.32075	312	0.7745	0.514469	4.4288	243.2432	28.03405
X10ED03_G_9	0.0797	0.0031	3.889586	0.37	0.02	5.405405	312	0.7745	0.439666	1.939005	281.645	15.79297
X10ED03_H_9	0.0824	0.0027	3.276699	0.358	0.011	3.072626	312	0.7745	0.423043	1.080651	299.4088	12.01869
X10ED03_I_9	0.0803	0.0042	5.230386	0.368	0.025	6.793478	312	0.7745	0.436895	2.428954	285.0916	20.77407
X10ED03_J_9	0.0817	0.0048	5.875153	0.355	0.02	5.633803	312	0.7745	0.418887	1.97161	299.0128	21.61951
X10ED03_K_9	0.0833	0.0047	5.642257	0.339	0.027	7.964602	312	0.7745	0.396723	2.713903	316.0747	25.31301
X10ED03_L_9	0.0866	0.0069	7.967667	0.331	0.027	8.1571	312	0.7745	0.385641	2.742291	334.1594	33.09014
X10ED03_M_9	0.083	0.0089	10.72289	0.359	0.041	11.42061	312	0.7745	0.424428	4.023305	300.8314	41.1545
X10ED03_A_10	0.0775	0.0066	8.516129	0.47	0.049	10.42553	312	0.7745	0.578191	4.380487	207.3635	25.69624
X10ED03_B_10	0.101	0.01	9.90099	0.466	0.053	11.37339	312	0.7745	0.57265	4.749555	272.4051	38.06474
X10ED03_C_10	0.0983	0.0068	6.917599	0.497	0.044	8.853119	312	0.7745	0.615593	3.875389	239.1027	25.25684
X10ED03_D_10	0.0994	0.0071	7.142857	0.509	0.036	7.072692	312	0.7745	0.632216	3.152254	231.461	22.41337
X10ED03_E_10	0.114	0.01	8.77193	0.547	0.053	9.689214	312	0.7745	0.684855	4.567996	227.534	29.26624
X10ED03_F_10	0.1171	0.0074	6.319385	0.529	0.045	8.506616	312	0.7745	0.659921	3.905727	251.7376	25.74237
X10ED03_G_10	0.1122	0.0091	8.110517	0.502	0.032	6.374502	312	0.7745	0.622519	2.811443	267.4039	26.88895
X10ED03_H_10	0.1068	0.0073	6.835206	0.5	0.028	5.6	312	0.7745	0.619748	2.462445	256.6184	22.01761

X10ED03_I_10	0.127	0.02	15.74803	0.41	0.052	12.68293	312	0.7745	0.495076	4.85293	400.6655	76.01997
X10ED03_J_10	0.126	0.016	12.69841	0.472	0.041	8.686441	312	0.7745	0.580961	3.660953	331.6823	49.69876
X10ED03_K_10	0.1232	0.0086	6.980519	0.438	0.033	7.534247	312	0.7745	0.533863	3.012914	359.9655	34.04885
X10ED03_L_10	0.114	0.01	8.77193	0.48	0.05	10.41667	312	0.7745	0.592043	4.444034	293.0412	37.33053
X10ED03_M_10	0.12	0.014	11.66667	0.465	0.071	15.26882	312	0.7745	0.571265	6.366519	323.407	57.02307
X10ED03_A_11	0.0723	0.0037	5.117566	0.353	0.02	5.665722	312	0.7745	0.416116	1.976216	266.5467	17.57264
X10ED03_B_11	0.0742	0.0065	8.760108	0.336	0.024	7.142857	312	0.7745	0.392567	2.421654	284.1923	29.01819
X10ED03_C_11	0.0781	0.0053	6.786172	0.348	0.021	6.034483	312	0.7745	0.40919	2.08741	290.7936	23.65608
X10ED03_D_11	0.0763	0.0081	10.61599	0.336	0.041	12.20238	312	0.7745	0.392567	4.136993	292.056	40.08841
X10ED03_E_11	0.0785	0.0038	4.840764	0.298	0.015	5.033557	312	0.7745	0.339927	1.599106	325.6593	19.35061
X10ED03_F_11	0.0847	0.0097	11.45218	0.313	0.041	13.09904	312	0.7745	0.360706	4.270725	339.939	49.67737
X10ED03_G_11	0.0944	0.0073	7.733051	0.364	0.042	11.53846	312	0.7745	0.431354	4.098465	337.0763	38.8782
X10ED03_H_11	0.1018	0.0037	3.634578	0.381	0.021	5.511811	312	0.7745	0.454903	2.012966	348.1445	19.37293
X10ED03_I_11	0.0909	0.0081	8.910891	0.389	0.032	8.226221	312	0.7745	0.465985	3.043469	305.5637	33.68053
X10ED03_J_11	0.0969	0.0081	8.359133	0.382	0.033	8.638743	312	0.7745	0.456289	3.160078	330.9889	35.49392
X10ED03_K_11	0.0981	0.006	6.116208	0.383	0.026	6.788512	312	0.7745	0.457674	2.48729	334.1514	26.98203
X10ED03_L_11	0.0935	0.0086	9.197861	0.393	0.033	8.396947	312	0.7745	0.471526	3.126733	310.9124	35.33123
X10ED03_M_11	0.0933	0.0056	6.002144	0.389	0.03	7.712082	312	0.7745	0.465985	2.853252	313.4383	26.54536
X10ED03_A_12	0.076	0.0061	8.026316	0.342	0.027	7.894737	312	0.7745	0.400879	2.703662	287.0397	28.34463
X10ED03_B_12	0.088	0.0067	7.613636	0.344	0.021	6.104651	312	0.7745	0.403649	2.097631	329.7226	29.34149
X10ED03_C_12	0.0896	0.0068	7.589286	0.342	0.032	9.356725	312	0.7745	0.400879	3.20434	337.0831	34.28269
X10ED03_D_12	0.0966	0.0049	5.072464	0.343	0.026	7.580175	312	0.7745	0.402264	2.600285	361.8746	26.98442
X10ED03_E_12	0.0986	0.0088	8.924949	0.408	0.052	12.7451	312	0.7745	0.492305	4.861217	314.8821	42.44895
X10ED03_F_12	0.099	0.01	10.10101	0.428	0.04	9.345794	312	0.7745	0.52001	3.67926	299.2716	38.16887
X10ED03_G_12	0.105	0.011	10.47619	0.45	0.065	14.44444	312	0.7745	0.550486	5.885084	297.302	47.76594
X10ED03_H_12	0.1047	0.0081	7.73639	0.466	0.057	12.23176	312	0.7745	0.57265	5.108012	282.169	36.85685
X10ED03_I_12	0.1037	0.0057	5.496625	0.472	0.034	7.20339	312	0.7745	0.580961	3.035912	274.209	22.90212
X10ED03_J_12	0.1114	0.0085	7.630162	0.431	0.035	8.12065	312	0.7745	0.524166	3.212037	332.9621	33.99374
X10ED03_K_12	0.094	0.011	11.70213	0.488	0.07	14.34426	312	0.7745	0.603125	6.194377	236.114	40.85419
X10ED03_L_12	0.096	0.013	13.54167	0.473	0.084	17.75899	312	0.7745	0.582347	7.496075	253.4201	52.00652
X10ED03_M_12	0.111	0.015	13.51351	0.473	0.064	13.53066	312	0.7745	0.582347	5.711295	292.1323	52.66439

X10ED03_A_13	0.0634	0.0027	4.258675	0.215	0.014	6.511628	312	0.7745	0.224952	1.780481	309.2277	17.56055
X10ED03_B_13	0.0615	0.0034	5.528455	0.22	0.011	5	312	0.7745	0.231878	1.379971	297.5515	18.78948
X10ED03_C_13	0.0635	0.0034	5.354331	0.218	0.018	8.256881	312	0.7745	0.229107	2.270369	308.0823	22.11605
X10ED03_D_13	0.0638	0.0037	5.799373	0.186	0.015	8.064516	312	0.7745	0.184779	2.088284	326.8567	23.91765
X10ED03_E_13	0.0588	0.0024	4.081633	0.162	0.01	6.17284	312	0.7745	0.151533	1.52901	313.8453	16.38169
X10ED03_F_13	0.0587	0.0017	2.896082	0.1488	0.0087	5.846774	312	0.7745	0.133248	1.414963	319.9119	13.26692
X10ED03_G_13	0.0588	0.0026	4.421769	0.151	0.011	7.284768	312	0.7745	0.136295	1.769633	319.3444	18.51585
X10ED03_H_13	0.0634	0.0046	7.255521	0.163	0.015	9.202454	312	0.7745	0.152918	2.283574	337.228	29.61302
X10ED03_I_13	0.0692	0.0061	8.815029	0.212	0.015	7.075472	312	0.7745	0.220796	1.923829	338.5491	33.34605
X10ED03_J_13	0.0647	0.0076	11.74652	0.204	0.024	11.76471	312	0.7745	0.209714	3.151217	321.4648	43.79016
X10ED03_K_13	0.0593	0.0061	10.28668	0.182	0.02	10.98901	312	0.7745	0.179238	2.824331	306.3582	36.71606
X10ED03_L_13	0.0626	0.0057	9.105431	0.223	0.027	12.10762	312	0.7745	0.236034	3.360346	301.1502	34.79598
X10ED03_M_13	0.0715	0.0022	3.076923	0.258	0.017	6.589147	312	0.7745	0.284517	1.949987	321.6211	16.3614
X10ED03_A_14	0.1094	0.0073	6.672761	0.491	0.038	7.739308	312	0.7745	0.607281	3.357311	271.1757	26.16487
X10ED03_B_14	0.1139	0.0069	6.057946	0.482	0.036	7.46888	312	0.7745	0.594814	3.196128	290.8457	26.14769
X10ED03_C_14	0.1143	0.0071	6.211724	0.528	0.051	9.659091	312	0.7745	0.658535	4.428324	246.8139	27.16037
X10ED03_D_14	0.1133	0.0045	3.971756	0.566	0.056	9.893993	312	0.7745	0.711175	4.795275	207.5736	21.8606
X10ED03_E_14	0.129	0.012	9.302326	0.539	0.057	10.57514	312	0.7745	0.673773	4.92754	265.7331	36.66017
X10ED03_F_14	0.1269	0.0079	6.225374	0.512	0.038	7.421875	312	0.7745	0.636371	3.322737	290.8073	27.03028
X10ED03_G_14	0.1122	0.0077	6.862745	0.459	0.025	5.446623	312	0.7745	0.562953	2.250181	308.6046	25.89031
X10ED03_H_14	0.098	0.012	12.2449	0.425	0.044	10.35294	312	0.7745	0.515854	4.056565	298.824	44.77104
X10ED03_I_14	0.098	0.011	11.22449	0.423	0.029	6.855792	312	0.7745	0.513084	2.677834	300.4948	38.14339
X10ED03_J_14	0.1016	0.0092	9.055118	0.419	0.037	8.830549	312	0.7745	0.507543	3.427449	314.7281	36.52738
X10ED03_K_14	0.1094	0.0069	6.30713	0.476	0.046	9.663866	312	0.7745	0.586502	4.097836	285.2108	30.08728
X10ED03_L_14	0.1155	0.0079	6.839827	0.489	0.059	12.06544	312	0.7745	0.604511	5.218187	287.9385	36.63922
X10ED03_M_14	0.118	0.016	13.55932	0.469	0.072	15.35181	312	0.7745	0.576806	6.440493	314.1345	59.92588
X10ED03_A_15	0.0695	0.0079	11.36691	0.357	0.047	13.16527	312	0.7745	0.421657	4.62261	254.0404	37.85376
X10ED03_B_15	0.077	0.01	12.98701	0.364	0.039	10.71429	312	0.7745	0.431354	3.805717	276.2562	42.34968
X10ED03_C_15	0.0824	0.0084	10.19417	0.359	0.034	9.470752	312	0.7745	0.424428	3.336399	298.7064	37.14324
X10ED03_D_15	0.0907	0.0055	6.063947	0.355	0.033	9.295775	312	0.7745	0.418887	3.253157	331.1195	30.14868
X10ED03_E_15	0.0876	0.0067	7.648402	0.389	0.021	5.398458	312	0.7745	0.465985	1.997277	294.7203	25.96844

X10ED03_F_15	0.0901	0.0082	9.100999	0.373	0.018	4.825737	312	0.7745	0.443821	1.739586	315.2073	31.39839
X10ED03_G_15	0.1014	0.0089	8.77712	0.322	0.033	10.24845	312	0.7745	0.373173	3.393158	397.2407	45.2993
X10ED03_H_15	0.0984	0.0068	6.910569	0.352	0.036	10.22727	312	0.7745	0.414731	3.561376	360.9552	36.73886
X10ED03_I_15	0.0926	0.0047	5.075594	0.379	0.021	5.540897	312	0.7745	0.452133	2.017021	319.0172	21.16886
X10ED03_J_15	0.094	0.0025	2.659574	0.368	0.027	7.336957	312	0.7745	0.436895	2.623271	332.4965	20.03989
X10ED03_K_15	0.0856	0.004	4.672897	0.398	0.038	9.547739	312	0.7745	0.478453	3.583932	281.5574	24.5785
X10ED03_L_15	0.0912	0.0054	5.921053	0.326	0.029	8.895706	312	0.7745	0.378714	2.965379	355.2887	30.53831
X10ED03_M_15	0.0895	0.0069	7.709497	0.258	0.034	13.17829	312	0.7745	0.284517	3.899974	400.1221	45.1137
X10ED03_A_16	0.1273	0.0059	4.634721	0.488	0.039	7.991803	312	0.7745	0.603125	3.451153	317.7265	27.02086
X10ED03_B_16	0.124	0.01	8.064516	0.533	0.04	7.50469	312	0.7745	0.665462	3.466106	262.0172	28.37563
X10ED03_C_16	0.1273	0.008	6.284368	0.479	0.063	13.1524	312	0.7745	0.590658	5.602644	327.4581	43.01236
X10ED03_D_16	0.089	0.013	14.60674	0.382	0.041	10.73298	312	0.7745	0.456289	3.926158	304.6315	51.52508
X10ED03_E_16	0.092	0.012	13.04348	0.415	0.043	10.36145	312	0.7745	0.502002	3.996256	288.7818	45.02315
X10ED03_F_16	0.1223	0.0088	7.195421	0.4	0.034	8.5	312	0.7745	0.481223	3.200889	396.5509	39.27125
X10ED03_G_16	0.14	0.018	12.85714	0.449	0.029	6.458797	312	0.7745	0.5491	2.627426	394.608	56.27522
X10ED03_H_16	0.164	0.014	8.536585	0.505	0.071	14.05941	312	0.7745	0.626675	6.228791	383.0733	59.33057
X10ED03_I_16	0.17	0.015	8.823529	0.546	0.034	6.227106	312	0.7745	0.68347	2.931488	337.8712	36.64376
X10ED03_J_16	0.183	0.017	9.289617	0.585	0.073	12.47863	312	0.7745	0.737495	6.215659	302.4676	47.87987
X10ED03_K_16	0.205	0.019	9.268293	0.635	0.088	13.85827	312	0.7745	0.806757	7.40799	250.4445	44.4755
X10ED03_L_16	0.208	0.02	9.615385	0.633	0.068	10.7425	312	0.7745	0.803987	5.726455	257.6086	39.18376
X10ED03_M_16	0.215	0.019	8.837209	0.656	0.055	8.384146	312	0.7745	0.835848	4.614072	223.589	29.00411
X10ED03_M_17	0.114	0.011	9.649123	0.504	0.059	11.70635	312	0.7745	0.625289	5.178541	269.6524	38.86251
X10ED03_A_18	0.0729	0.008	10.97394	0.317	0.035	11.04101	312	0.7745	0.366247	3.624499	291.153	39.05184
X10ED03_B_18	0.0773	0.0086	11.12549	0.34	0.033	9.705882	312	0.7745	0.398108	3.312791	293.1594	38.72087
X10ED03_C_18	0.0827	0.009	10.88271	0.307	0.02	6.514658	312	0.7745	0.352395	2.102171	336.3224	40.1537
X10ED03_D_18	0.0871	0.004	4.592423	0.308	0.012	3.896104	312	0.7745	0.35378	1.259378	352.9977	18.97692
X10ED03_E_18	0.0867	0.0041	4.72895	0.325	0.036	11.07692	312	0.7745	0.377329	3.686222	338.9444	30.40981
X10ED03_F_18	0.0844	0.0094	11.13744	0.349	0.045	12.89398	312	0.7745	0.410575	4.467641	312.9709	45.62894
X10ED03_G_18	0.089	0.011	12.35955	0.341	0.048	14.07625	312	0.7745	0.399493	4.812537	335.638	53.74674
X10ED03_H_18	0.091	0.011	12.08791	0.35	0.036	10.28571	312	0.7745	0.411961	3.569838	336.0448	48.24752
X10ED03_I_18	0.0909	0.0099	10.89109	0.322	0.022	6.832298	312	0.7745	0.373173	2.262105	357.2241	43.17312

X10ED03_J_18	0.083	0.012	14.45783	0.341	0.039	11.43695	312	0.7745	0.399493	3.910186	313.5519	52.59852
X10ED03_K_18	0.0876	0.0091	10.38813	0.324	0.03	9.259259	312	0.7745	0.375944	3.0761	343.1128	42.40723
X10ED03_L_18	0.0872	0.0068	7.798165	0.32	0.011	3.4375	312	0.7745	0.370403	1.134248	344.5402	28.67893
X10ED03_M_18	0.0833	0.0071	8.523409	0.358	0.039	10.89385	312	0.7745	0.423043	3.831399	302.6035	35.41251
X10ED03_A_19	0.095	0.014	14.73684	0.48	0.068	14.16667	312	0.7745	0.592043	6.043887	245.1167	47.44416
X10ED03_B_19	0.089	0.012	13.48315	0.51	0.062	12.15686	312	0.7745	0.633601	5.42634	206.8597	36.28218
X10ED03_C_19	0.1184	0.0097	8.192568	0.511	0.057	11.1546	312	0.7745	0.634986	4.986411	272.7467	35.85719
X10ED03_D_19	0.134	0.014	10.44776	0.55	0.059	10.72727	312	0.7745	0.689011	5.079612	263.1918	39.02966
X10ED03_E_19	0.142	0.011	7.746479	0.559	0.046	8.22898	312	0.7745	0.701478	3.948026	267.6309	30.15631
X10ED03_F_19	0.128	0.014	10.9375	0.512	0.048	9.375	312	0.7745	0.636371	4.197142	293.2716	41.23627
X10ED03_G_19	0.1236	0.0094	7.605178	0.511	0.055	10.76321	312	0.7745	0.634986	4.811449	284.4649	35.57356
X10ED03_H_19	0.1105	0.0092	8.325792	0.557	0.056	10.05386	312	0.7745	0.698708	4.809547	211.1239	27.2459
X10ED03_I_19	0.112	0.0093	8.303571	0.526	0.058	11.02662	312	0.7745	0.655765	5.040348	243.8658	32.37809
X10ED03_J_19	0.111	0.0099	8.918919	0.525	0.052	9.904762	312	0.7745	0.65438	4.520842	242.6834	31.33291
X10ED03_K_19	0.142	0.018	12.67606	0.462	0.047	10.17316	312	0.7745	0.567109	4.22232	384.5625	60.0757
X10ED03_L_19	0.137	0.018	13.13869	0.511	0.073	14.28571	312	0.7745	0.634986	6.386105	314.564	58.79994
X10ED03_M_19	0.116	0.0076	6.551724	0.52	0.072	13.84615	312	0.7745	0.647453	6.273123	258.3807	37.20622
X10ED03_A_20	0.0791	0.0094	11.88369	0.316	0.034	10.75949	312	0.7745	0.364862	3.526044	315.9913	44.5989
X10ED03_B_20	0.0703	0.008	11.3798	0.304	0.021	6.907895	312	0.7745	0.348239	2.217534	288.8001	35.9741
X10ED03_C_20	0.068	0.006	8.823529	0.288	0.018	6.25	312	0.7745	0.326075	1.951145	288.8501	28.43901
X10ED03_D_20	0.0716	0.006	8.379888	0.265	0.031	11.69811	312	0.7745	0.294214	3.505836	317.8009	35.49644
X10ED03_E_20	0.0688	0.0038	5.523256	0.254	0.024	9.448819	312	0.7745	0.278976	2.77611	312.1048	24.99555
X10ED03_F_20	0.0694	0.0024	3.458213	0.279	0.027	9.677419	312	0.7745	0.313608	2.973549	299.9893	21.09089
X10ED03_G_20	0.0768	0.0045	5.859375	0.294	0.013	4.421769	312	0.7745	0.334386	1.394985	321.3887	21.35044
X10ED03_H_20	0.0822	0.0054	6.569343	0.346	0.04	11.56069	312	0.7745	0.40642	3.985685	307.1028	32.40841
X10ED03_I_20	0.0884	0.0053	5.995475	0.35	0.043	12.28571	312	0.7745	0.411961	4.263973	326.6827	34.83861
X10ED03_J_20	0.0863	0.0057	6.604867	0.38	0.031	8.157895	312	0.7745	0.453518	2.974504	297.0705	26.96812
X10ED03_K_20	0.0766	0.0039	5.091384	0.38	0.025	6.578947	312	0.7745	0.453518	2.398794	264.355	18.85017
X10ED03_L_20	0.0813	0.0038	4.674047	0.385	0.018	4.675325	312	0.7745	0.460444	1.718586	276.7511	16.38534
X10ED03_M_20	0.0768	0.0056	7.291667	0.367	0.029	7.901907	312	0.7745	0.43551	2.820632	273.5821	25.71337
X10ED03_A_22	0.0743	0.0048	6.460296	0.292	0.023	7.876712	312	0.7745	0.331616	2.476281	312.4396	26.00718

X10ED03_B_22	0.0688	0.0036	5.232558	0.248	0.016	6.451613	312	0.7745	0.270665	1.874955	315.6159	20.78983
X10ED03_C_22	0.0647	0.0037	5.718702	0.2177	0.0085	3.904456	312	0.7745	0.228692	1.072995	313.93	19.61983
X10ED03_D_22	0.062	0.0024	3.870968	0.2161	0.0051	2.360019	312	0.7745	0.226475	0.64663	301.9759	12.6054
X10ED03_E_22	0.0635	0.0028	4.409449	0.22	0.0059	2.681818	312	0.7745	0.231878	0.740166	307.0011	14.60847
X10ED03_F_22	0.0659	0.002	3.034901	0.213	0.01	4.694836	312	0.7745	0.222181	1.278922	322.2421	13.10162
X10ED03_G_22	0.0674	0.0038	5.637982	0.2186	0.0083	3.796889	312	0.7745	0.229938	1.045188	326.1892	20.08723
X10ED03_H_22	0.0646	0.0044	6.811146	0.239	0.021	8.786611	312	0.7745	0.258198	2.511839	301.7416	26.09182
X10ED03_I_22	0.0632	0.004	6.329114	0.244	0.021	8.606557	312	0.7745	0.265124	2.48302	292.6538	24.04119
X10ED03_J_22	0.0657	0.0038	5.783866	0.227	0.0091	4.008811	312	0.7745	0.241575	1.120899	313.4689	19.89467
X10ED03_K_22	0.0669	0.0042	6.278027	0.221	0.02	9.049774	312	0.7745	0.233263	2.502341	322.4655	26.49383
X10ED03_L_22	0.0706	0.0052	7.365439	0.223	0.025	11.21076	312	0.7745	0.236034	3.111431	338.6415	33.43878
X10ED03_M_22	0.0714	0.0054	7.563025	0.233	0.02	8.583691	312	0.7745	0.249886	2.426868	336.3296	30.95235
X10ED03_A_23	0.0949	0.0083	8.746048	0.408	0.052	12.7451	312	0.7745	0.492305	4.861217	303.3396	40.48973
X10ED03_B_23	0.0787	0.0064	8.132147	0.352	0.026	7.386364	312	0.7745	0.414731	2.572105	290.2908	28.50892
X10ED03_C_23	0.0712	0.0042	5.898876	0.334	0.031	9.281437	312	0.7745	0.389797	3.136117	274.1606	24.07029
X10ED03_D_23	0.0741	0.0052	7.017544	0.284	0.018	6.338028	312	0.7745	0.320534	1.964748	316.6605	26.0516
X10ED03_E_23	0.074	0.0051	6.891892	0.286	0.018	6.293706	312	0.7745	0.323304	1.957893	314.985	25.53711
X10ED03_F_23	0.0764	0.0022	2.879581	0.262	0.023	8.778626	312	0.7745	0.290058	2.616743	340.4976	20.85222
X10ED03_G_23	0.0689	0.0036	5.224964	0.247	0.021	8.502024	312	0.7745	0.26928	2.46634	316.6494	23.27888
X10ED03_H_23	0.06835	0.00083	1.214338	0.237	0.018	7.594937	312	0.7745	0.255427	2.163206	319.993	14.72524
X10ED03_I_23	0.0684	0.0038	5.555556	0.246	0.021	8.536585	312	0.7745	0.267894	2.47185	314.9884	23.96185
X10ED03_J_23	0.0658	0.0048	7.294833	0.286	0.024	8.391608	312	0.7745	0.323304	2.610524	280.8299	25.69799
X10ED03_K_23	0.0717	0.0056	7.810321	0.272	0.036	13.23529	312	0.7745	0.303911	4.016493	313.9665	35.94715
X10ED03_L_23	0.0704	0.0059	8.380682	0.269	0.017	6.319703	312	0.7745	0.299755	1.907585	310.2056	29.19663
X10ED03_M_23	0.0701	0.005	7.132668	0.268	0.018	6.716418	312	0.7745	0.29837	2.02371	309.5115	25.95
X10ED03_A_24	0.075	0.0097	12.93333	0.306	0.062	20.26144	312	0.7745	0.351009	6.526746	306.3774	57.40182
X10ED03_B_24	0.0598	0.0032	5.351171	0.236	0.016	6.779661	312	0.7745	0.254042	1.927446	281.3343	18.93724
X10ED03_C_24	0.0543	0.0024	4.41989	0.218	0.01	4.587156	312	0.7745	0.229107	1.261316	264.3486	13.71804
X10ED03_D_24	0.0589	0.0033	5.602716	0.206	0.011	5.339806	312	0.7745	0.212484	1.435664	292.2872	18.79744
X10ED03_E_24	0.0625	0.0036	5.76	0.248	0.028	11.29032	312	0.7745	0.270665	3.281171	287.3493	25.60705
X10ED03_F_24	0.0674	0.0032	4.747774	0.242	0.02	8.264463	312	0.7745	0.262353	2.375611	312.7863	21.49142

X10ED03_G_24	0.0693	0.0052	7.503608	0.254	0.024	9.448819	312	0.7745	0.278976	2.77611	314.3186	29.99695
X10ED03_H_24	0.0691	0.0027	3.907381	0.251	0.014	5.577689	312	0.7745	0.274821	1.629853	315.1963	16.41657
X10ED03_I_24	0.0713	0.0033	4.628331	0.237	0.019	8.016878	312	0.7745	0.255427	2.283384	333.4527	22.21353
X10ED03_J_24	0.0704	0.0053	7.528409	0.259	0.027	10.42471	312	0.7745	0.285903	3.090656	316.1941	31.49105
X10ED03_K_24	0.0718	0.0065	9.052925	0.258	0.024	9.302326	312	0.7745	0.284517	2.752923	322.9373	34.99403
X10ED03_L_24	0.0698	0.0053	7.593123	0.268	0.021	7.835821	312	0.7745	0.29837	2.360995	308.2181	28.16756
X10ED03_M_24	0.0722	0.0051	7.063712	0.262	0.019	7.251908	312	0.7745	0.290058	2.161657	322.2391	27.30731
X10ED03_A_26	0.1181	0.0095	8.04403	0.73	0.16	21.91781	312	0.7745	0.938356	13.32934	46.76068	13.05502
X10ED03_B_26	0.112	0.011	9.821429	0.524	0.083	15.83969	312	0.7745	0.652994	7.219027	245.7916	43.60082
X10ED03_C_26	0.115	0.013	11.30435	0.473	0.075	15.85624	312	0.7745	0.582347	6.692924	302.4165	54.0205
X10ED03_D_26	0.107	0.014	13.08411	0.461	0.063	13.66594	312	0.7745	0.565724	5.663265	292.798	51.63152
X10ED03_E_26	0.112	0.015	13.39286	0.468	0.063	13.46154	312	0.7745	0.57542	5.638831	299.4804	53.44997
X10ED03_F_26	0.114	0.018	15.78947	0.498	0.069	13.85542	312	0.7745	0.616978	6.074245	275.5075	55.83438
X10ED03_G_26	0.107	0.011	10.28037	0.53	0.1	18.86792	312	0.7745	0.661306	8.675825	229.4861	46.9461
X10ED03_H_26	0.123	0.01	8.130081	0.416	0.056	13.46154	312	0.7745	0.503387	5.200151	382.2107	51.77267
X10ED03_I_26	0.146	0.045	30.82192	0.476	0.062	13.02521	312	0.7745	0.586502	5.52317	377.8793	126.1789
X10ED03_J_26	0.155	0.047	30.32258	0.498	0.054	10.84337	312	0.7745	0.616978	4.753757	371.7835	120.4863
X10ED03_K_26	0.124	0.019	15.32258	0.47	0.071	15.10638	312	0.7745	0.578191	6.347236	328.6535	66.74451
X10ED03_L_26	0.127	0.017	13.38583	0.507	0.075	14.7929	312	0.7745	0.629445	6.57341	296.4492	56.66924
X10ED03_M_26	0.115	0.012	10.43478	0.479	0.067	13.98747	312	0.7745	0.590658	5.958368	296.5345	47.88866
X10ED03_A_27	0.0711	0.0044	6.188467	0.254	0.012	4.724409	312	0.7745	0.278976	1.388055	322.282	22.37591
X10ED03_B_27	0.0742	0.0048	6.469003	0.249	0.017	6.827309	312	0.7745	0.27205	1.987757	339.1176	26.38423
X10ED03_C_27	0.0796	0.0046	5.778894	0.283	0.027	9.540636	312	0.7745	0.319149	2.952324	340.2299	28.80035
X10ED03_D_27	0.0795	0.0052	6.540881	0.299	0.022	7.35786	312	0.7745	0.341313	2.341581	329.029	27.09907
X10ED03_E_27	0.0792	0.0036	4.545455	0.317	0.018	5.678233	312	0.7745	0.366247	1.864028	315.7078	18.99361
X10ED03_F_27	0.0813	0.0055	6.765068	0.316	0.016	5.063291	312	0.7745	0.364862	1.659315	324.5623	25.03392
X10ED03_G_27	0.0827	0.0067	8.101572	0.334	0.028	8.383234	312	0.7745	0.389797	2.832622	317.3686	32.07985
X10ED03_H_27	0.0816	0.0073	8.946078	0.335	0.026	7.761194	312	0.7745	0.391182	2.626863	312.554	33.14011
X10ED03_I_27	0.0854	0.0043	5.035129	0.334	0.036	10.77844	312	0.7745	0.389797	3.641943	327.4713	29.67765
X10ED03_J_27	0.0795	0.0067	8.427673	0.328	0.045	13.71951	312	0.7745	0.381485	4.588931	309.4358	39.37646
X10ED03_K_27	0.0822	0.0046	5.596107	0.305	0.022	7.213115	312	0.7745	0.349624	2.319523	335.7346	25.0024

X10ED03_L_27	0.092	0.011	11.95652	0.401	0.062	15.46135	312	0.7745	0.482608	5.831691	299.7703	51.05064
X10ED03_M_27	0.133	0.022	16.54135	0.523	0.035	6.692161	312	0.7745	0.651609	3.045471	291.9873	52.43857
X10ED03_A_28	0.0624	0.0029	4.647436	0.221	0.011	4.977376	312	0.7745	0.233263	1.376288	301.2737	16.63782
X10ED03_B_28	0.0633	0.0032	5.055292	0.178	0.015	8.426966	312	0.7745	0.173697	2.14973	328.6573	22.33771
X10ED03_C_28	0.0669	0.0038	5.68012	0.1718	0.0061	3.55064	312	0.7745	0.165109	0.895405	350.3635	21.4086
X10ED03_D_28	0.0691	0.0037	5.354559	0.189	0.011	5.820106	312	0.7745	0.188935	1.515609	351.5256	22.19178
X10ED03_E_28	0.0658	0.0038	5.775076	0.198	0.011	5.555556	312	0.7745	0.201402	1.471394	330.1443	21.91885
X10ED03_F_28	0.068	0.0018	2.647059	0.185	0.014	7.567568	312	0.7745	0.183394	1.955929	348.3788	16.88559
X10ED03_G_28	0.0699	0.002	2.86123	0.181	0.011	6.077348	312	0.7745	0.177853	1.559046	360.2092	15.65866
X10ED03_H_28	0.0677	0.0023	3.397341	0.176	0.011	6.25	312	0.7745	0.170927	1.588457	352.0364	16.80773
X10ED03_I_28	0.0649	0.0027	4.160247	0.1943	0.005	2.57334	312	0.7745	0.196277	0.676828	327.7792	14.69419
X10ED03_J_28	0.0649	0.0033	5.084746	0.1951	0.0057	2.921579	312	0.7745	0.197385	0.769576	327.3385	17.81461
X10ED03_K_28	0.061	0.0032	5.245902	0.198	0.011	5.555556	312	0.7745	0.201402	1.471394	306.6243	18.86131
X10ED03_L_28	0.063	0.002	3.174603	0.19	0.0075	3.947368	312	0.7745	0.19032	1.029863	320.7184	12.43179
X10ED03_M_28	0.0714	0.0037	5.182073	0.1744	0.008	4.587156	312	0.7745	0.16871	1.16238	371.6962	21.69497
X10ED03_A_30	0.0674	0.0045	6.676558	0.293	0.031	10.5802	312	0.7745	0.333001	3.332028	283.4779	27.28004
X10ED03_B_30	0.0669	0.0043	6.427504	0.265	0.022	8.301887	312	0.7745	0.294214	2.488013	297.4133	24.69445
X10ED03_C_30	0.0681	0.0038	5.580029	0.253	0.016	6.324111	312	0.7745	0.277591	1.854688	309.5839	21.21477
X10ED03_D_30	0.0761	0.0039	5.124836	0.258	0.024	9.302326	312	0.7745	0.284517	2.752923	341.7736	26.34748
X10ED03_E_30	0.0822	0.0086	10.46229	0.285	0.021	7.368421	312	0.7745	0.321919	2.288192	349.6553	40.90123
X10ED03_F_30	0.0874	0.0088	10.06865	0.318	0.046	14.46541	312	0.7745	0.367632	4.756775	346.789	49.16578
X10ED03_G_30	0.0879	0.005	5.688282	0.348	0.028	8.045977	312	0.7745	0.40919	2.783214	326.3733	26.5891
X10ED03_H_30	0.097	0.0066	6.804124	0.375	0.019	5.066667	312	0.7745	0.446592	1.83241	337.0789	26.68834
X10ED03_I_30	0.104	0.012	11.53846	0.374	0.027	7.219251	312	0.7745	0.445207	2.606656	361.6138	46.92324
X10ED03_J_30	0.0997	0.0074	7.422267	0.451	0.042	9.312639	312	0.7745	0.551871	3.800119	281.7673	30.52429
X10ED03_K_30	0.091	0.01	10.98901	0.438	0.023	5.251142	312	0.7745	0.533863	2.09991	267.8065	32.08893
X10ED03_L_30	0.102	0.011	10.78431	0.395	0.054	13.67089	312	0.7745	0.474297	5.106973	336.7187	51.14034
X10ED03_M_30	0.095	0.0064	6.736842	0.388	0.032	8.247423	312	0.7745	0.4646	3.046389	319.8177	29.71421
X10ED03_A_31	0.0672	0.0097	14.43452	0.164	0.023	14.02439	312	0.7745	0.154304	3.486452	356.323	58.4626
X10ED03_B_31	0.066	0.011	16.66667	0.198	0.03	15.15152	312	0.7745	0.201402	4.012894	331.1225	62.54836
X10ED03_C_31	0.0644	0.005	7.763975	0.194	0.025	12.8866	312	0.7745	0.195861	3.387462	325.4806	34.30821

X10ED03_D_31	0.0594	0.0029	4.882155	0.211	0.023	10.90047	312	0.7745	0.219411	2.958308	292.1784	22.88754
X10ED03_E_31	0.0648	0.0057	8.796296	0.21	0.022	10.47619	312	0.7745	0.218025	2.83784	318.6458	34.10503
X10ED03_F_31	0.0685	0.0039	5.693431	0.197	0.013	6.598985	312	0.7745	0.200017	1.744466	343.9167	23.5453
X10ED03_G_31	0.067	0.0031	4.626866	0.2077	0.0074	3.562831	312	0.7745	0.214839	0.960965	330.4998	16.96803
X10ED03_H_31	0.0707	0.0064	9.052334	0.216	0.014	6.481481	312	0.7745	0.226337	1.775552	343.3003	34.19634
X10ED03_I_31	0.0693	0.0044	6.349206	0.234	0.012	5.128205	312	0.7745	0.251271	1.452576	326.0957	23.31246
X10ED03_J_31	0.0718	0.0024	3.342618	0.221	0.021	9.502262	312	0.7745	0.233263	2.627458	345.4619	22.0643
X10ED03_K_31	0.07	0.0046	6.571429	0.217	0.027	12.4424	312	0.7745	0.227722	3.414869	339.3964	32.94488
X10ED03_L_31	0.0682	0.0039	5.718475	0.225	0.021	9.333333	312	0.7745	0.238804	2.600016	326.2591	25.81466
X10ED03_M_31	0.0759	0.0044	5.797101	0.218	0.018	8.256881	312	0.7745	0.229107	2.270369	366.5623	27.71523
X10ED03_A_32	0.0586	0.0032	5.460751	0.165	0.011	6.666667	312	0.7745	0.155689	1.660347	311.3076	20.35221
X10ED03_B_32	0.0568	0.0032	5.633803	0.1625	0.0072	4.430769	312	0.7745	0.152226	1.098493	303.1756	18.74376
X10ED03_C_32	0.0627	0.0029	4.625199	0.1684	0.0078	4.631829	312	0.7745	0.160399	1.160766	330.7277	17.53837
X10ED03_D_32	0.0632	0.003	4.746835	0.185	0.012	6.486486	312	0.7745	0.183394	1.676511	324.3955	19.30618
X10ED03_E_32	0.0667	0.003	4.497751	0.204	0.011	5.392157	312	0.7745	0.209714	1.444308	331.1509	18.13852
X10ED03_F_32	0.0682	0.0056	8.211144	0.235	0.019	8.085106	312	0.7745	0.252657	2.294351	320.4669	30.83217
X10ED03_G_32	0.0743	0.0041	5.51817	0.265	0.011	4.150943	312	0.7745	0.294214	1.244006	329.4838	20.43016
X10ED03_H_32	0.0778	0.0052	6.683805	0.283	0.016	5.65371	312	0.7745	0.319149	1.749525	332.7314	25.71007
X10ED03_I_32	0.083	0.01	12.04819	0.347	0.042	12.10375	312	0.7745	0.407805	4.179877	309.3145	46.29828
X10ED03_J_32	0.0876	0.0094	10.73059	0.382	0.04	10.4712	312	0.7745	0.456289	3.830398	299.9493	40.355
X10ED03_K_32	0.104	0.011	10.57692	0.425	0.045	10.58824	312	0.7745	0.515854	4.14876	316.677	43.48756
X10ED03_L_32	0.112	0.012	10.71429	0.456	0.043	9.429825	312	0.7745	0.558797	3.877794	310.9272	41.99619
X10ED03_M_32	0.134	0.013	9.701493	0.417	0.039	9.352518	312	0.7745	0.504772	3.618575	414.1914	51.5705
X10ED03_A_33	0.0707	0.0051	7.213579	0.427	0.06	14.05152	312	0.7745	0.518625	5.523126	215.7415	28.87964
X10ED03_B_33	0.0737	0.0034	4.613297	0.376	0.029	7.712766	312	0.7745	0.447977	2.793951	257.0719	18.97635
X10ED03_C_33	0.0758	0.0076	10.02639	0.353	0.038	10.76487	312	0.7745	0.416116	3.75481	279.1746	35.64147
X10ED03_D_33	0.0809	0.0066	8.15822	0.322	0.034	10.55901	312	0.7745	0.373173	3.495981	318.8808	35.02833
X10ED03_E_33	0.0787	0.0049	6.226175	0.352	0.023	6.534091	312	0.7745	0.414731	2.275323	290.2908	22.85812
X10ED03_F_33	0.0815	0.003	3.680982	0.371	0.021	5.660377	312	0.7745	0.441051	2.033795	287.1699	16.08987
X10ED03_G_33	0.0861	0.0067	7.781649	0.387	0.024	6.20155	312	0.7745	0.463215	2.286996	291.2554	26.83681
X10ED03_H_33	0.0927	0.0055	5.933118	0.383	0.021	5.483029	312	0.7745	0.457674	2.008965	316.2013	23.18084

X10ED03_I_33	0.0884	0.0064	7.239819	0.401	0.012	2.992519	312	0.7745	0.482608	1.128714	288.2985	22.32097
X10ED03_J_33	0.0929	0.0073	7.857912	0.385	0.024	6.233766	312	0.7745	0.460444	2.291448	315.2873	29.32683
X10ED03_K_33	0.0912	0.008	8.77193	0.458	0.072	15.72052	312	0.7745	0.561568	6.48467	252.7401	40.23241
X10ED03_L_33	0.107	0.015	14.01869	0.433	0.047	10.8545	312	0.7745	0.526936	4.306864	318.3134	53.46621
X10ED03_M_33	0.116	0.011	9.482759	0.429	0.044	10.25641	312	0.7745	0.521395	4.044101	348.3111	44.45277
X10ED03_A_34	0.0756	0.0099	13.09524	0.369	0.036	9.756098	312	0.7745	0.43828	3.493939	268.1004	40.5058
X10ED03_B_34	0.0701	0.0042	5.991441	0.285	0.029	10.17544	312	0.7745	0.321919	3.159884	299.3607	26.62934
X10ED03_C_34	0.0709	0.0043	6.06488	0.248	0.015	6.048387	312	0.7745	0.270665	1.75777	325.0107	23.32551
X10ED03_D_34	0.066	0.0029	4.393939	0.23	0.02	8.695652	312	0.7745	0.24573	2.44493	313.1818	21.06244
X10ED03_E_34	0.0646	0.0028	4.334365	0.187	0.014	7.486631	312	0.7745	0.186164	1.942282	330.3038	19.69579
X10ED03_F_34	0.0609	0.0016	2.627258	0.1915	0.0085	4.438642	312	0.7745	0.192398	1.161304	309.5035	11.10857
X10ED03_G_34	0.0666	0.0032	4.804805	0.1922	0.009	4.682622	312	0.7745	0.193368	1.22675	337.3304	18.65646
X10ED03_H_34	0.0717	0.0034	4.74198	0.214	0.015	7.009346	312	0.7745	0.223566	1.912993	349.2404	21.82915
X10ED03_I_34	0.0725	0.003	4.137931	0.2469	0.0098	3.969218	312	0.7745	0.269141	1.151215	332.8358	16.15469
X10ED03_J_34	0.0796	0.0053	6.658291	0.273	0.023	8.424908	312	0.7745	0.305296	2.561253	346.9692	29.87743
X10ED03_K_34	0.078	0.0052	6.666667	0.293	0.023	7.849829	312	0.7745	0.333001	2.47215	326.9476	27.77677
X10ED03_L_34	0.081	0.0065	8.024691	0.281	0.018	6.405694	312	0.7745	0.316378	1.975235	347.427	31.84901
X10ED03_M_34	0.0792	0.0061	7.70202	0.302	0.022	7.284768	312	0.7745	0.345468	2.330427	325.8015	30.01406
X10ED03_A_35	0.0912	0.0077	8.442982	0.416	0.029	6.971154	312	0.7745	0.503387	2.692935	285.5465	29.17293
X10ED03_B_35	0.089	0.012	13.48315	0.431	0.065	15.08121	312	0.7745	0.524166	5.965212	267.3782	48.96357
X10ED03_C_35	0.091	0.011	12.08791	0.372	0.037	9.946237	312	0.7745	0.442436	3.579571	319.0529	45.7881
X10ED03_D_35	0.1012	0.0097	9.58498	0.387	0.032	8.268734	312	0.7745	0.463215	3.049327	341.0058	39.66135
X10ED03_E_35	0.1019	0.0099	9.715407	0.414	0.04	9.661836	312	0.7745	0.500617	3.720522	319.966	40.01963
X10ED03_F_35	0.0792	0.0083	10.4798	0.339	0.055	16.22419	312	0.7745	0.396723	5.52832	300.8749	46.75189
X10ED03_G_35	0.0618	0.0044	7.119741	0.205	0.012	5.853659	312	0.7745	0.211099	1.570868	306.8678	24.41203
X10ED03_H_35	0.0603	0.0037	6.135987	0.178	0.018	10.11236	312	0.7745	0.173697	2.579676	313.4536	25.69865
X10ED03_I_35	0.063	0.003	4.761905	0.162	0.014	8.641975	312	0.7745	0.151533	2.140614	335.6888	22.02764
X10ED03_J_35	0.083	0.016	19.27711	0.294	0.059	20.06803	312	0.7745	0.334386	6.331086	346.6485	81.61998
X10ED03_K_35	0.1155	0.0071	6.147186	0.417	0.027	6.47482	312	0.7745	0.504772	2.505168	358.5673	29.17544
X10ED03_L_35	0.1186	0.0076	6.408094	0.428	0.052	12.14953	312	0.7745	0.52001	4.783038	356.9086	42.11568
X10ED03_M_35	0.104	0.012	11.53846	0.476	0.053	11.13445	312	0.7745	0.586502	4.72142	271.4249	41.20112

X10ED03_A_36	0.1105	0.0073	6.606335	0.422	0.046	10.90047	312	0.7745	0.511699	4.250954	338.7715	37.34226
X10ED03_B_36	0.116	0.011	9.482759	0.442	0.047	10.63348	312	0.7745	0.539404	4.278889	335.5405	43.84534
X10ED03_C_36	0.132	0.016	12.12121	0.437	0.036	8.237986	312	0.7745	0.532477	3.289195	386.0346	54.63327
X10ED03_D_36	0.1502	0.008	5.326232	0.433	0.042	9.699769	312	0.7745	0.526936	3.848687	442.5034	42.73314
X10ED03_E_36	0.146	0.012	8.219178	0.5	0.061	12.2	312	0.7745	0.619748	5.364613	348.3027	48.18956
X10ED03_F_36	0.157	0.018	11.46497	0.506	0.048	9.486166	312	0.7745	0.62806	4.208991	365.8549	53.32121
X10ED03_G_36	0.171	0.017	9.94152	0.524	0.06	11.45038	312	0.7745	0.652994	5.218574	371.5981	54.90215
X10ED03_H_36	0.18	0.025	13.88889	0.559	0.062	11.09123	312	0.7745	0.701478	5.321252	337.4052	60.32679
X10ED03_I_36	0.193	0.022	11.39896	0.564	0.064	11.34752	312	0.7745	0.708404	5.483844	352.9499	57.13433
X10ED03_J_36	0.178	0.022	12.35955	0.573	0.072	12.56545	312	0.7745	0.720872	6.151918	312.5864	55.61681
X10ED03_K_36	0.176	0.016	9.090909	0.529	0.059	11.15312	312	0.7745	0.659921	5.120843	374.7374	52.62359
X10ED03_L_36	0.189	0.014	7.407407	0.493	0.05	10.14199	312	0.7745	0.610052	4.412899	458.4101	54.51179
X10ED03_M_36	0.183	0.011	6.010929	0.515	0.046	8.932039	312	0.7745	0.640527	4.016755	410.7026	42.40851
X10ED03_A_37	0.0584	0.0081	13.86986	0.322	0.055	17.08075	312	0.7745	0.373173	5.655263	231.7651	42.09581
X10ED03_B_37	0.0635	0.0086	13.54331	0.317	0.017	5.362776	312	0.7745	0.366247	1.760471	254.3409	36.20081
X10ED03_C_37	0.0755	0.0051	6.754967	0.314	0.015	4.77707	312	0.7745	0.362091	1.560159	303.228	23.06046
X10ED03_D_37	0.0742	0.005	6.738544	0.32	0.023	7.1875	312	0.7745	0.370403	2.371609	294.3287	24.76878
X10ED03_E_37	0.0748	0.0049	6.550802	0.328	0.018	5.487805	312	0.7745	0.381485	1.835573	291.5494	22.35728
X10ED03_F_37	0.0786	0.0062	7.888041	0.339	0.031	9.144543	312	0.7745	0.396723	3.115962	298.6475	30.65562
X10ED03_G_37	0.0847	0.0062	7.319953	0.318	0.03	9.433962	312	0.7745	0.367632	3.102245	336.3504	33.04715
X10ED03_H_37	0.0755	0.0044	5.827815	0.336	0.024	7.142857	312	0.7745	0.392567	2.421654	289.0614	22.3638
X10ED03_I_37	0.0824	0.0053	6.432039	0.35	0.025	7.142857	312	0.7745	0.411961	2.479054	305.0258	25.31741
X10ED03_J_37	0.0858	0.0082	9.55711	0.357	0.039	10.92437	312	0.7745	0.421657	3.835783	312.1993	39.08372
X10ED03_K_37	0.0873	0.0089	10.19473	0.331	0.033	9.969789	312	0.7745	0.385641	3.351689	336.7911	42.0473
X10ED03_L_37	0.0893	0.0077	8.62262	0.342	0.016	4.678363	312	0.7745	0.400879	1.60217	335.9834	31.64811
X10ED03_M_37	0.0848	0.0066	7.783019	0.398	0.044	11.05528	312	0.7745	0.478453	4.149816	278.9822	32.35817
X10ED03_A_38	0.0801	0.0077	9.612984	0.274	0.02	7.29927	312	0.7745	0.306681	2.223003	348.4131	37.80596
X10ED03_B_38	0.0856	0.0091	10.63084	0.278	0.021	7.553957	312	0.7745	0.312222	2.316971	368.7726	43.86354
X10ED03_C_38	0.0955	0.0059	6.17801	0.31	0.031	10	312	0.7745	0.35655	3.243562	384.4342	35.38894
X10ED03_D_38	0.0884	0.0045	5.090498	0.359	0.025	6.963788	312	0.7745	0.424428	2.453235	319.9256	23.14819
X10ED03_E_38	0.0992	0.009	9.072581	0.363	0.014	3.856749	312	0.7745	0.429969	1.367665	354.5923	34.45011

X10ED03_F_38	0.1006	0.0087	8.648111	0.393	0.044	11.19593	312	0.7745	0.471526	4.168978	333.9203	41.03993
X10ED03_G_38	0.1007	0.0097	9.632572	0.386	0.047	12.17617	312	0.7745	0.46183	4.483045	340.2177	45.8109
X10ED03_H_38	0.112	0.012	10.71429	0.348	0.037	10.63218	312	0.7745	0.40919	3.677818	413.0441	55.20009
X10ED03_I_38	0.1112	0.0097	8.723022	0.346	0.016	4.624277	312	0.7745	0.40642	1.594274	412.049	39.39802
X10ED03_J_38	0.109	0.01	9.174312	0.362	0.022	6.077348	312	0.7745	0.428584	2.151578	389.5032	40.55873
X10ED03_K_38	0.114	0.012	10.52632	0.381	0.04	10.49869	312	0.7745	0.454903	3.834221	388.633	51.95995
X10ED03_L_38	0.1042	0.0078	7.485605	0.393	0.054	13.74046	312	0.7745	0.471526	5.116473	345.555	44.85074
X10ED03_M_38	0.1112	0.0057	5.125899	0.378	0.032	8.465608	312	0.7745	0.450748	3.076676	382.1712	31.45536
X10ED03_A_39	0.0616	0.0036	5.844156	0.189	0.018	9.52381	312	0.7745	0.188935	2.480087	314.2859	24.64086
X10ED03_B_39	0.0579	0.0036	6.217617	0.1825	0.0099	5.424658	312	0.7745	0.179931	1.395518	299.044	20.82725
X10ED03_C_39	0.0545	0.0016	2.93578	0.18	0.013	7.222222	312	0.7745	0.176468	1.849286	283.0263	13.64806
X10ED03_D_39	0.0587	0.0032	5.451448	0.169	0.014	8.284024	312	0.7745	0.16123	2.078319	309.8282	21.72188
X10ED03_E_39	0.0604	0.0022	3.642384	0.15	0.012	8	312	0.7745	0.13491	1.940037	328.3293	17.90089
X10ED03_F_39	0.0595	0.0019	3.193277	0.1354	0.0094	6.942393	312	0.7745	0.114685	1.644166	330.9312	15.54617
X10ED03_G_39	0.0574	0.0037	6.445993	0.135	0.011	8.148148	312	0.7745	0.114131	1.928568	319.731	24.57649
X10ED03_H_39	0.0548	0.005	9.124088	0.13	0.011	8.461538	312	0.7745	0.107205	1.988386	307.9193	31.315
X10ED03_I_39	0.0535	0.0037	6.915888	0.138	0.011	7.971014	312	0.7745	0.118287	1.89529	297.1336	23.93761
X10ED03_J_39	0.0623	0.005	8.025682	0.179	0.021	11.73184	312	0.7745	0.175082	2.998395	323.0643	33.10623
X10ED03_K_39	0.0654	0.0038	5.810398	0.183	0.013	7.103825	312	0.7745	0.180623	1.829203	336.5076	23.67544
X10ED03_L_39	0.0615	0.0044	7.154472	0.183	0.012	6.557377	312	0.7745	0.180623	1.688495	316.9257	25.64879
X10ED03_M_39	0.0635	0.0041	6.456693	0.193	0.014	7.253886	312	0.7745	0.194476	1.903227	321.5829	24.66734

Appendix E

Intra-grain apatite U-Pb data

Sample Name	207/235	207/235 2SE	206/238	206/238 2SE	ErrorCorrelation
X09SFB13_1_1	35.6	9.4	0.358	0.089	0.98891
X09SFB13_2_1	10.2	1	0.127	0.012	0.90345
X09SFB13_3_1	6.52	0.33	0.1005	0.0032	0.10827
X09SFB13_4_1	5.34	0.21	0.0943	0.0024	0.67315
X09SFB13_5_1	4.77	0.14	0.0916	0.0013	0.14271
X09SFB13_6_1	4.56	0.11	0.088	0.0019	0.1255
X09SFB13_7_1	4.28	0.12	0.0853	0.0024	0.50436
X09SFB13_8_1	4.02	0.11	0.0826	0.0019	0.098191
X09SFB13_9_1	11.3	3.5	0.146	0.03	0.99751
X09SFB13_10_1	4.85	0.89	0.0916	0.0083	0.9881
X09SFB13_11_1	3.61	0.12	0.0803	0.0014	0.069966
X09SFB13_12_1	3.46	0.1	0.0788	0.0022	0.29479

X09SFB13_1_2	2.55	0.1	0.0709	0.0025	0.41288
X09SFB13_2_2	2.92	0.14	0.0741	0.0025	0.22802
X09SFB13_3_2	3.04	0.11	0.0708	0.0018	0.30094
X09SFB13_4_2	3.26	0.11	0.074	0.0027	0.4915
X09SFB13_5_2	3.4	0.11	0.072	0.0025	0.60341
X09SFB13_6_2	3.33	0.11	0.0715	0.0022	0.26396
X09SFB13_7_2	3.43	0.12	0.0748	0.0024	0.53505
X09SFB13_8_2	3.43	0.12	0.0724	0.0028	0.34161
X09SFB13_9_2	3.37	0.16	0.0735	0.0027	0.37928
X09SFB13_10_2	3.63	0.14	0.0758	0.0032	0.37447
X09SFB13_11_2	3.86	0.12	0.0754	0.0023	0.54493
X09SFB13_12_2	3.88	0.15	0.074	0.0025	0.5171
X09SFB13_1_3	10.14	0.6	0.1413	0.0074	0.79072
X09SFB13_2_3	8.22	0.3	0.1211	0.0055	0.60243
X09SFB13_3_3	7.27	0.21	0.11	0.0043	0.41385
X09SFB13_4_3	7.15	0.25	0.1058	0.0037	0.49892
X09SFB13_5_3	7.13	0.24	0.109	0.0031	0.54425
X09SFB13_6_3	7.24	0.3	0.1088	0.0035	0.30605
X09SFB13_7_3	6.88	0.25	0.1048	0.004	0.5298
X09SFB13_8_3	6.83	0.26	0.1068	0.0042	0.40827
X09SFB13_9_3	6.89	0.29	0.1032	0.005	0.71611
X09SFB13_10_3	6.31	0.27	0.1021	0.0049	0.56894
X09SFB13_11_3	6.55	0.19	0.1073	0.0036	0.36061
X09SFB13_12_3	6.54	0.21	0.1034	0.0031	0.34601
X09SFB13_1_4	41.5	3.5	0.433	0.031	0.92859
X09SFB13_2_4	30.8	3.4	0.313	0.031	0.86093
X09SFB13_3_4	19	1.5	0.207	0.016	0.76536
X09SFB13_4_4	12.25	0.63	0.1605	0.008	0.17152
X09SFB13_5_4	7.1	1.4	0.114	0.013	0.89474
X09SFB13_6_4	3.13	0.19	0.0769	0.0043	0.59772
X09SFB13_7_4	4.33	0.26	0.0868	0.0032	0.57481
X09SFB13_8_4	3.09	0.27	0.0778	0.0041	0.60295
X09SFB13_9_4	2.47	0.13	0.07	0.0024	0.30515
X09SFB13_10_4	1.98	0.11	0.0643	0.0019	0.14745
X09SFB13_11_4	1.892	0.093	0.0646	0.0021	0.27221
X09SFB13_12_4	1.737	0.071	0.0667	0.0018	0.47344
X09SFB13_1_5	24.09	0.5	0.2423	0.0098	0.40453
X09SFB13_2_5	24.21	0.91	0.2373	0.0071	0.59235
X09SFB13_3_5	22.71	0.7	0.2274	0.0082	0.5863

X09SFB13_4_5	23.86	0.84	0.233	0.011	0.53042
X09SFB13_5_5	22.14	0.63	0.2238	0.0097	0.33411
X09SFB13_6_5	22.54	0.56	0.2208	0.0079	0.51823
X09SFB13_7_5	22.51	0.65	0.2187	0.0083	0.662
X09SFB13_8_5	21.97	0.59	0.2195	0.0082	0.49414
X09SFB13_9_5	22.41	0.77	0.224	0.011	0.66533
X09SFB13_10_5	23.8	0.91	0.2422	0.0095	0.57651
X09SFB13_11_5	23.45	0.61	0.2406	0.0077	0.097825
X09SFB13_12_5	23.15	0.77	0.242	0.01	0.53139
X09SFB13_1_6	3.39	0.13	0.0823	0.0038	0.33566
X09SFB13_2_6	3.63	0.19	0.0801	0.002	0.18058
X09SFB13_3_6	3.78	0.16	0.0787	0.0027	0.091061
X09SFB13_4_6	3.93	0.16	0.0828	0.003	0.23289
X09SFB13_5_6	4.24	0.26	0.0809	0.0031	0.48836
X09SFB13_6_6	4.23	0.51	0.0779	0.0044	0.58535
X09SFB13_7_6	3.52	0.69	0.0778	0.0071	0.73746
X09SFB13_8_6	3.99	0.69	0.0893	0.0097	0.8727
X09SFB13_9_6	3.64	0.5	0.0843	0.0071	0.77706
X09SFB13_10_6	3.08	0.31	0.0802	0.0089	0.45063
X09SFB13_11_6	1.46	0.39	0.066	0.012	0.82261
X09SFB13_12_6	3.4	0.81	0.094	0.012	0.87298
X09SFB13_1_7	7.17	0.3	0.1091	0.003	0.4992
X09SFB13_2_7	6.97	0.29	0.1058	0.0038	0.49417
X09SFB13_3_7	7.03	0.2	0.103	0.0029	0.73735
X09SFB13_4_7	7.18	0.18	0.102	0.0027	0.45399
X09SFB13_5_7	7.07	0.23	0.103	0.003	0.65209
X09SFB13_6_7	7.18	0.23	0.1045	0.0019	0.35549
X09SFB13_7_7	9.03	0.48	0.1161	0.0053	0.64777
X09SFB13_8_7	12.07	0.55	0.146	0.0058	0.67674
X09SFB13_9_7	14.67	0.55	0.1681	0.0062	0.56994
X09SFB13_10_7	14.83	0.5	0.1719	0.007	0.60099
X09SFB13_11_7	16.46	0.63	0.1773	0.0062	0.43139
X09SFB13_12_7	17.53	0.6	0.1905	0.0081	0.65108
X09SFB13_1_8	2.69	0.14	0.0734	0.0027	0.44956
X09SFB13_2_8	3.062	0.083	0.0763	0.0022	0.22517
X09SFB13_3_8	3.014	0.09	0.075	0.0013	0.024997
X09SFB13_4_8	2.99	0.11	0.0738	0.002	0.22556
X09SFB13_5_8	2.829	0.086	0.0687	0.002	0.24925
X09SFB13_6_8	2.723	0.071	0.0678	0.0018	0.1135

X09SFB13_7_8	2.636	0.058	0.0674	0.0017	0.095486
X09SFB13_8_8	2.532	0.079	0.0647	0.0019	0.32671
X09SFB13_9_8	2.455	0.073	0.065	0.0015	0.3957
X09SFB13_10_8	2.357	0.066	0.0634	0.0014	0.31438
X09SFB13_11_8	2.357	0.063	0.0653	0.0014	0.1019
X09SFB13_12_8	2.341	0.044	0.0638	0.0013	0.097497
X09SFB13_1_9	105.5	4.4	0.955	0.028	0.48234
X09SFB13_2_9	102.4	4.6	0.938	0.035	0.83626
X09SFB13_3_9	104.7	4	0.935	0.043	0.84085
X09SFB13_4_9	105.3	3.4	0.934	0.038	0.86752
X09SFB13_5_9	93.3	4.1	0.863	0.038	0.77482
X09SFB13_6_9	75.4	3	0.674	0.032	0.85878
X09SFB13_7_9	63.2	2	0.58	0.019	0.62346
X09SFB13_8_9	56.3	2.5	0.514	0.024	0.84529
X09SFB13_9_9	51.4	1.9	0.491	0.02	0.902
X09SFB13_10_9	49.6	1.2	0.478	0.016	0.50219
X09SFB13_11_9	46.6	1.3	0.453	0.018	0.63383
X09SFB13_12_9	17.4	6	0.204	0.048	0.98462
X09SFB13_1_10	0.804	0.036	0.0563	0.0012	0.2331
X09SFB13_2_10	1.054	0.05	0.0581	0.0017	0.14391
X09SFB13_3_10	1.291	0.05	0.0613	0.0014	0.21111
X09SFB13_4_10	1.99	0.18	0.0662	0.0019	0.67445
X09SFB13_5_10	2.26	0.11	0.0686	0.0018	0.2887
X09SFB13_6_10	2.173	0.089	0.0645	0.0011	0.10182
X09SFB13_7_10	2.155	0.094	0.0634	0.0017	0.28955
X09SFB13_8_10	2.006	0.094	0.0653	0.0027	0.0053551
X09SFB13_9_10	1.9	0.079	0.0629	0.0013	0.10353
X09SFB13_10_10	1.724	0.083	0.0614	0.0013	0.22493
X09SFB13_11_10	1.709	0.077	0.061	0.0018	0.10024
X09SFB13_12_10	1.656	0.051	0.0586	0.0014	0.28533
X09SFB13_1_11	18.5	2.1	0.21	0.02	0.96477
X09SFB13_2_11	32	18	0.33	0.17	0.99526
X09SFB13_3_11	26.3	6.6	0.281	0.07	0.99882
X09SFB13_4_11	24.4	3.5	0.26	0.031	0.97205
X09SFB13_5_11	19.5	1.8	0.218	0.022	0.91581
X09SFB13_6_11	34.6	9.7	0.38	0.096	0.99398
X09SFB13_7_11	19.11	0.96	0.2148	0.009	0.76624
X09SFB13_8_11	13.58	0.82	0.16	0.013	0.79504
X09SFB13_9_11	15.67	0.6	0.1839	0.0068	0.24618

X09SFB13_10_11	14.78	0.61	0.1714	0.0088	0.49395
X09SFB13_11_11	13.46	0.62	0.1572	0.0078	0.21441
X09SFB13_12_11	13.88	0.56	0.1624	0.0058	0.44149
X09SFB13_1_13	4.04	0.79	0.0923	0.0069	0.83963
X09SFB13_2_13	8.93	0.8	0.1313	0.0076	0.48796
X09SFB13_3_13	26	14	0.28	0.12	0.99694
X09SFB13_4_13	28	11	0.286	0.098	0.99586
X09SFB13_5_13	19.1	1.4	0.208	0.012	0.50574
X09SFB13_6_13	18.45	0.99	0.212	0.011	0.33567
X09SFB13_7_13	17.4	1.1	0.215	0.013	0.50174
X09SFB13_8_13	15.73	0.98	0.187	0.013	0.43475
X09SFB13_9_13	15.37	0.94	0.1665	0.0093	0.59226
X09SFB13_10_13	15.34	0.98	0.1607	0.0074	0.44926
X09SFB13_11_13	14.4	1.2	0.162	0.014	0.61418
X09SFB13_12_13	13.63	0.96	0.1583	0.0096	0.46349
X09SFB13_1_14	3.8	0.17	0.0843	0.004	0.30963
X09SFB13_2_14	3.4	0.13	0.0793	0.0037	0.57815
X09SFB13_3_14	3.86	0.18	0.0818	0.0025	0.42563
X09SFB13_4_14	4.13	0.19	0.0827	0.0029	0.29058
X09SFB13_5_14	4.04	0.14	0.0797	0.002	0.018406
X09SFB13_6_14	4.24	0.14	0.0837	0.0023	0.0086663
X09SFB13_7_14	4.16	0.15	0.0825	0.0025	0.090391
X09SFB13_8_14	4.25	0.2	0.0812	0.003	0.24782
X09SFB13_9_14	4.37	0.17	0.0803	0.0021	0.14325
X09SFB13_10_14	4.6	0.18	0.0807	0.0022	0.34028
X09SFB13_11_14	4.8	0.22	0.0826	0.0031	0.11241
X09SFB13_12_14	4.83	0.19	0.0858	0.0036	0.28522
X09SFB13_1_15	10.42	0.69	0.1521	0.0091	0.80964
X09SFB13_2_15	8.44	0.83	0.132	0.011	0.81711
X09SFB13_3_15	5.84	0.44	0.1045	0.0079	0.73196
X09SFB13_4_15	5.05	0.22	0.0962	0.0038	0.45311
X09SFB13_5_15	4.91	0.25	0.092	0.0039	0.65817
X09SFB13_6_15	4.74	0.23	0.0862	0.0028	0.4057
X09SFB13_7_15	4.55	0.16	0.0876	0.0032	0.1491
X09SFB13_8_15	4.58	0.2	0.0856	0.0037	0.41442
X09SFB13_9_15	4.3	0.16	0.0805	0.003	0.28598
X09SFB13_10_15	4.35	0.22	0.0811	0.002	0.19477
X09SFB13_11_15	4.32	0.21	0.0818	0.0023	0.18911
X09SFB13_12_15	4.59	0.18	0.0827	0.0021	0.64513

X09SFB13_1_16	9.3	1.6	0.123	0.013	0.98463
X09SFB13_2_16	5.94	0.19	0.0998	0.0038	0.66762
X09SFB13_3_16	5.3	0.19	0.0936	0.0026	0.66368
X09SFB13_4_16	5.53	0.15	0.094	0.0026	0.35967
X09SFB13_5_16	5.89	0.17	0.1012	0.0028	0.15709
X09SFB13_6_16	6.96	0.38	0.1046	0.0042	0.61079
X09SFB13_7_16	11.71	0.74	0.146	0.0061	0.76138
X09SFB13_8_16	13.95	0.5	0.1632	0.0048	0.4975
X09SFB13_9_16	13.9	0.41	0.167	0.0062	0.54634
X09SFB13_10_16	14.27	0.35	0.1645	0.0061	0.20097
X09SFB13_11_16	13.85	0.49	0.1648	0.0054	0.12396
X09SFB13_12_16	14.83	0.55	0.1734	0.0058	0.01897
X09SFB13_1_17	0.879	0.039	0.0565	0.0018	0.58135
X09SFB13_2_17	1.45	0.25	0.0623	0.0026	0.89051
X09SFB13_3_17	4.49	0.54	0.092	0.0042	0.74185
X09SFB13_4_17	5.59	0.2	0.097	0.0032	0.13584
X09SFB13_5_17	5.48	0.2	0.0894	0.0045	0.45095
X09SFB13_6_17	4.94	0.23	0.0841	0.004	0.62162
X09SFB13_7_17	4.87	0.22	0.0885	0.0032	0.24962
X09SFB13_8_17	4.89	0.16	0.0898	0.0025	0.47576
X09SFB13_9_17	5.41	0.29	0.0976	0.0043	0.22029
X09SFB13_10_17	5.86	0.33	0.0977	0.0044	0.36938
X09SFB13_11_17	6.79	0.23	0.1076	0.0045	0.31342
X09SFB13_12_17	6.7	0.31	0.0995	0.0031	0.20224
X09SFB13_1_18	19.4	1.4	0.211	0.012	0.0010845
X09SFB13_2_18	20.7	1.5	0.2123	0.0094	0.61266
X09SFB13_3_18	21.3	1.3	0.222	0.01	0.38651
X09SFB13_4_18	20.7	1.3	0.228	0.021	0.53666
X09SFB13_5_18	24.7	1.7	0.264	0.013	0.75913
X09SFB13_6_18	26.1	1.5	0.271	0.021	0.52874
X09SFB13_7_18	30.2	2.6	0.31	0.029	0.48299
X09SFB13_8_18	27.6	2.3	0.291	0.029	0.6706
X09SFB13_9_18	21.9	1.6	0.227	0.015	0.87831
X09SFB13_10_18	23.1	2.6	0.238	0.014	0.74151
X09SFB13_11_18	19.9	1.4	0.234	0.014	0.5709
X09SFB13_12_18	20.9	2.1	0.239	0.021	0.78468
X09SFB13_1_19	2.45	0.11	0.0727	0.003	0.3426
X09SFB13_2_19	2.72	0.11	0.0746	0.0025	0.18503
X09SFB13_3_19	2.56	0.13	0.0732	0.0018	0.33996

X09SFB13_4_19	2.402	0.067	0.0705	0.0018	0.42756
X09SFB13_5_19	2.249	0.094	0.0674	0.0025	0.58053
X09SFB13_6_19	2.171	0.072	0.0639	0.0019	0.54336
X09SFB13_7_19	2.242	0.093	0.0646	0.0016	0.34604
X09SFB13_8_19	2.395	0.099	0.0643	0.0017	0.27435
X09SFB13_9_19	2.485	0.089	0.0656	0.0027	0.61083
X09SFB13_10_19	2.61	0.13	0.0677	0.0032	0.48754
X09SFB13_11_19	2.89	0.1	0.073	0.002	0.052702
X09SFB13_12_19	2.83	0.1	0.071	0.0026	0.025198
X09SFB13_1_20	5.21	0.31	0.0931	0.0033	0.62779
X09SFB13_2_20	5.72	0.23	0.0955	0.0034	0.37256
X09SFB13_3_20	6.48	0.26	0.1032	0.0034	0.58719
X09SFB13_4_20	7.07	0.22	0.1097	0.0037	0.33707
X09SFB13_5_20	8.37	0.31	0.1217	0.0034	0.20853
X09SFB13_6_20	9.6	0.4	0.1275	0.0038	0.038076
X09SFB13_7_20	9.53	0.34	0.1295	0.004	0.51995
X09SFB13_8_20	8.24	0.39	0.1123	0.0029	0.515
X09SFB13_9_20	7.84	0.25	0.1117	0.003	0.29845
X09SFB13_10_20	7.99	0.23	0.1112	0.0032	0.27716
X09SFB13_11_20	8.74	0.35	0.1167	0.0039	0.42886
X09SFB13_12_20	10.58	0.49	0.1322	0.0045	0.48975
X09SFB13_1_21	1.968	0.056	0.0664	0.0015	0.23156
X09SFB13_2_21	2.001	0.079	0.0654	0.0013	0.33601
X09SFB13_3_21	1.974	0.059	0.0619	0.0017	0.21406
X09SFB13_4_21	1.899	0.041	0.0615	0.0015	0.33693
X09SFB13_5_21	1.887	0.069	0.0611	0.0018	0.54055
X09SFB13_6_21	1.778	0.046	0.0582	0.0014	0.43426
X09SFB13_7_21	1.675	0.056	0.0581	0.0011	0.50061
X09SFB13_8_21	1.665	0.057	0.0569	0.0014	0.21079
X09SFB13_9_21	1.606	0.049	0.0556	0.0011	0.25372
X09SFB13_10_21	1.541	0.047	0.05454	0.00084	0.041218
X09SFB13_11_21	1.537	0.036	0.0537	0.0016	0.15558
X09SFB13_12_21	1.549	0.042	0.0551	0.0013	0.23125
X09SFB13_1_22	0.962	0.062	0.0557	0.0017	0.028757
X09SFB13_2_22	0.943	0.034	0.0547	0.001	0.2107
X09SFB13_3_22	0.96	0.029	0.0559	0.0011	0.25595
X09SFB13_4_22	0.918	0.027	0.05439	0.00096	0.29744
X09SFB13_5_22	0.85	0.031	0.0535	0.0014	0.50311
X09SFB13_6_22	0.795	0.023	0.05323	0.00081	0.040381

X09SFB13_7_22	0.762	0.028	0.05143	0.00096	0.44965
X09SFB13_8_22	0.789	0.022	0.05012	0.00091	0.28434
X09SFB13_9_22	0.786	0.024	0.0505	0.00074	0.27764
X09SFB13_10_22	0.797	0.028	0.04981	0.00073	0.53551
X09SFB13_11_22	0.819	0.025	0.049	0.00082	0.28023
X09SFB13_12_22	0.813	0.03	0.0494	0.0012	0.51317
X09SFB13_1_23	4.51	0.5	0.0793	0.0052	0.92478
X09SFB13_2_23	2.88	0.26	0.0701	0.0032	0.043731
X09SFB13_3_23	2.39	0.17	0.0652	0.0031	0.097143
X09SFB13_4_23	2.29	0.13	0.0643	0.0037	0.20351
X09SFB13_5_23	2.16	0.12	0.0601	0.0024	0.000383
X09SFB13_6_23	2.17	0.12	0.0606	0.0023	0.10643
X09SFB13_7_23	2	0.1	0.0593	0.0033	0.37653
X09SFB13_8_23	1.825	0.099	0.0576	0.0021	0.053456
X09SFB13_9_23	1.67	0.13	0.0569	0.0017	0.2232
X09SFB13_10_23	1.62	0.11	0.0561	0.0018	0.39734
X09SFB13_11_23	1.6	0.13	0.0576	0.0026	0.46327
X09SFB13_12_23	1.621	0.094	0.057	0.0023	0.44363
X09SFB13_1_24	4.55	0.31	0.0918	0.0043	0.73987
X09SFB13_2_24	3.82	0.16	0.0852	0.0031	0.45708
X09SFB13_3_24	3.48	0.13	0.0809	0.0021	0.010509
X09SFB13_4_24	3.19	0.14	0.0793	0.0027	0.097101
X09SFB13_5_24	3.17	0.13	0.0736	0.0025	0.061671
X09SFB13_6_24	2.95	0.14	0.0719	0.0022	0.49191
X09SFB13_7_24	2.9	0.12	0.0726	0.0027	0.50799
X09SFB13_8_24	2.86	0.11	0.0713	0.0022	0.11984
X09SFB13_9_24	2.95	0.12	0.0715	0.0021	0.27156
X09SFB13_10_24	2.968	0.099	0.0723	0.0019	0.46799
X09SFB13_11_24	3.27	0.21	0.0749	0.0025	0.45652
X09SFB13_12_24	3.95	0.2	0.0821	0.003	0.53277
X09SFB13_1_25	22.6	4.4	0.223	0.033	0.97439
X09SFB13_2_25	7.13	0.6	0.0984	0.0084	0.53201
X09SFB13_3_25	5.98	0.27	0.0861	0.0051	0.28478
X09SFB13_4_25	6.03	0.31	0.0957	0.0051	0.3519
X09SFB13_5_25	5.72	0.28	0.0922	0.0052	0.39904
X09SFB13_6_25	5.16	0.25	0.0889	0.0043	0.17865
X09SFB13_7_25	4.57	0.24	0.0872	0.0045	0.41555
X09SFB13_8_25	4.74	0.22	0.0877	0.0048	0.18168
X09SFB13_9_25	4.85	0.26	0.0809	0.0035	0.12271

X09SFB13_10_25	5.13	0.21	0.0851	0.0035	0.1144
X09SFB13_11_25	5.07	0.25	0.0913	0.0051	0.60246
X09SFB13_12_25	4.9	0.22	0.0898	0.0056	0.59961
X09SFB13_1_26	4.7	1	0.106	0.019	0.98729
X09SFB13_2_26	4.23	0.33	0.094	0.0033	0.82096
X09SFB13_3_26	4.17	0.13	0.091	0.0021	0.40553
X09SFB13_4_26	4.16	0.13	0.0905	0.0023	0.13502
X09SFB13_5_26	4.36	0.18	0.0919	0.003	0.013723
X09SFB13_6_26	4.47	0.13	0.0928	0.0032	0.02275
X09SFB13_7_26	4.49	0.24	0.0925	0.003	0.21226
X09SFB13_8_26	8.3	1.1	0.121	0.012	0.92658
X09SFB13_9_26	4.62	0.19	0.0902	0.0032	0.286
X09SFB13_10_26	4.37	0.15	0.0903	0.0032	0.33639
X09SFB13_11_26	4.57	0.22	0.092	0.0033	0.18689
X09SFB13_12_26	4.59	0.2	0.0975	0.0037	0.2498
X09SFB13_1_27	6.08	0.5	0.1052	0.0069	0.97718
X09SFB13_2_27	5.34	0.18	0.0938	0.0031	0.11458
X09SFB13_3_27	6.39	0.22	0.1034	0.0036	0.50275
X09SFB13_4_27	7.15	0.25	0.109	0.003	0.05773
X09SFB13_5_27	7.99	0.23	0.1149	0.0029	0.30672
X09SFB13_6_27	21	12	0.23	0.11	0.99658
X09SFB13_7_27	8.73	0.25	0.1198	0.0036	0.34359
X09SFB13_8_27	8.18	0.27	0.1125	0.0043	0.47897
X09SFB13_9_27	7.83	0.24	0.1065	0.0033	0.53737
X09SFB13_10_27	8.03	0.18	0.1096	0.0033	0.18829
X09SFB13_11_27	7.96	0.37	0.1093	0.0035	0.68322
X09SFB13_12_27	7.5	0.26	0.1046	0.0037	0.5476
X09SFB13_1_28	6.05	0.68	0.0996	0.0059	0.92514
X09SFB13_2_28	6.26	0.31	0.1024	0.0041	0.67208
X09SFB13_3_28	6.76	0.29	0.1068	0.0035	0.13279
X09SFB13_4_28	7.25	0.24	0.1105	0.004	0.47437
X09SFB13_5_28	7.55	0.33	0.1086	0.0044	0.21191
X09SFB13_6_28	5.94	0.27	0.0934	0.0045	0.76726
X09SFB13_7_28	4.59	0.65	0.0759	0.0089	0.94099
X09SFB13_8_28	4.93	0.66	0.0924	0.0096	0.90516
X09SFB13_9_28	4.83	0.3	0.0876	0.0029	0.4687
X09SFB13_10_28	6.3	1.4	0.099	0.012	0.98042
X09SFB13_11_28	10.3	2	0.142	0.021	0.95526
X09SFB13_12_28	7.65	0.36	0.1096	0.0045	0.24817

X09SFB13_1_29	1180	120	10.3	1	0.98329
X09SFB13_2_29	1095	56	8.99	0.51	0.97691
X09SFB13_3_29	1310	96	11.18	0.9	0.98868
X09SFB13_4_29	1690	110	14.08	0.87	0.98551
X09SFB13_5_29	1920	160	16.4	1.4	0.98614
X09SFB13_6_29	1990	160	16.8	1.4	0.99231
X09SFB13_7_29	1940	170	16.2	1.4	0.98692
X09SFB13_8_29	2140	160	17.6	1.4	0.99497
X09SFB13_9_29	2190	160	18	1.1	0.97077
X09SFB13_10_29	2220	190	18.5	1.7	0.9918
X09SFB13_11_29	2360	150	19.4	1.3	0.98771
X09SFB13_12_29	2540	300	20.7	2.4	0.99137
X09SFB13_1_30	2.86	0.14	0.0672	0.0027	0.21991
X09SFB13_2_30	2.83	0.17	0.0743	0.002	0.44252
X09SFB13_3_30	1.5	0.19	0.0633	0.0023	0.53571
X09SFB13_4_30	1.71	0.13	0.0674	0.002	0.55533
X09SFB13_5_30	2.181	0.073	0.0707	0.0016	0.17994
X09SFB13_6_30	2.17	0.1	0.0696	0.0013	0.34724
X09SFB13_7_30	2.044	0.063	0.0676	0.002	0.20898
X09SFB13_8_30	2.058	0.063	0.0661	0.0024	0.51122
X09SFB13_9_30	2.107	0.094	0.067	0.0016	0.27541
X09SFB13_10_30	2.08	0.11	0.0642	0.0029	0.68672
X09SFB13_11_30	2.106	0.074	0.0673	0.0018	0.46527
X09SFB13_12_30	1.99	0.078	0.0625	0.0018	0.31552
X09SFB13_1_31	11.3	1.5	0.15	0.011	0.39698
X09SFB13_2_31	9.45	0.45	0.1361	0.0075	0.72942
X09SFB13_3_31	9.5	0.52	0.1336	0.0049	0.30875
X09SFB13_4_31	8.86	0.52	0.1272	0.0032	0.3394
X09SFB13_5_31	10.75	0.79	0.1373	0.0075	0.82758
X09SFB13_6_31	12.2	1.1	0.153	0.01	0.97203
X09SFB13_7_31	13.15	0.99	0.158	0.012	0.94777
X09SFB13_8_31	12.74	0.64	0.147	0.0054	0.51737
X09SFB13_9_31	15.8	1.2	0.1753	0.0089	0.90356
X09SFB13_10_31	15.91	0.92	0.184	0.01	0.62814
X09SFB13_11_31	13.4	0.44	0.1581	0.0065	0.47939
X09SFB13_12_31	15.6	1	0.177	0.011	0.82764
X09SFB13_1_32	75	13	0.66	0.12	0.94644
X09SFB13_2_32	222	54	1.99	0.52	0.9803
X09SFB13_3_32	550	210	5.5	2	0.98885

X09SFB13_4_32	263	86	2.05	0.65	0.91204
X09SFB13_5_32	420	120	3.34	0.8	0.97683
X09SFB13_6_32	360	100	2.92	0.81	0.97736
X09SFB13_7_32	251	77	2.31	0.82	0.98198
X09SFB13_8_32	216	85	1.92	0.76	0.99578
X09SFB13_9_32	104	19	0.86	0.14	0.92976
X09SFB13_10_32	67	17	0.63	0.16	0.85953
X09SFB13_12_32	121	35	1.05	0.28	0.97322
X09SFB13_1_33	6.89	0.96	0.1026	0.0088	0.92481
X09SFB13_2_33	3.97	0.18	0.0758	0.0031	0.75153
X09SFB13_3_33	3.22	0.18	0.0732	0.0027	0.3584
X09SFB13_4_33	2.83	0.14	0.0689	0.003	0.41833
X09SFB13_5_33	2.509	0.076	0.0678	0.0023	0.11195
X09SFB13_6_33	2.401	0.095	0.065	0.0018	0.45671
X09SFB13_7_33	2.32	0.13	0.0642	0.0018	0.46575
X09SFB13_8_33	2.36	0.11	0.0642	0.0021	0.24426
X09SFB13_9_33	2.257	0.097	0.0637	0.0027	0.11331
X09SFB13_10_33	2.167	0.074	0.0628	0.0016	0.41908
X09SFB13_11_33	2.115	0.071	0.0618	0.0024	0.47441
X09SFB13_12_33	2.075	0.069	0.0628	0.0016	0.010247
X09SFB13_1_34	229	47	1.98	0.39	0.97178
X09SFB13_2_34	181	23	1.51	0.21	0.9536
X09SFB13_3_34	121	14	1.07	0.14	0.95265
X09SFB13_4_34	65.7	5.2	0.617	0.044	0.90501
X09SFB13_5_34	50.6	2.5	0.491	0.024	0.61844
X09SFB13_6_34	36.4	3.9	0.363	0.037	0.84425
X09SFB13_7_34	21.31	0.98	0.229	0.011	0.6844
X09SFB13_8_34	18.03	0.68	0.2039	0.0078	0.3394
X09SFB13_9_34	17.98	0.63	0.2	0.01	0.39962
X09SFB13_10_34	20.31	0.99	0.222	0.012	0.47825
X09SFB13_11_34	25.3	1.1	0.267	0.012	0.51938
X09SFB13_12_34	25.5	1.1	0.27	0.013	0.51672
X09SFB13_1_35	2.94	0.14	0.0757	0.0027	0.065233
X09SFB13_2_35	3.17	0.16	0.0759	0.0028	0.18489
X09SFB13_3_35	2.9	0.12	0.0765	0.0034	0.3409
X09SFB13_4_35	3.17	0.15	0.0774	0.0032	0.48901
X09SFB13_5_35	3.38	0.16	0.0776	0.0034	0.62619
X09SFB13_6_35	3.15	0.11	0.0751	0.0019	0.32261
X09SFB13_7_35	3.13	0.16	0.0777	0.0035	0.41914

X09SFB13_8_35	3.09	0.13	0.077	0.0032	0.11292
X09SFB13_9_35	3.06	0.13	0.0752	0.0025	0.25534
X09SFB13_10_35	2.87	0.11	0.0728	0.0024	0.25258
X09SFB13_11_35	3.08	0.11	0.0717	0.0022	0.054582
X09SFB13_12_35	3.19	0.1	0.0716	0.0029	0.49319
X09SFB13_1_36	1.465	0.05	0.0663	0.0016	0.38413
X09SFB13_2_36	1.504	0.041	0.066	0.0023	0.15786
X09SFB13_3_36	1.444	0.047	0.0634	0.0021	0.45476
X09SFB13_4_36	1.63	0.044	0.0637	0.0018	0.34834
X09SFB13_5_36	1.651	0.046	0.063	0.0017	0.37648
X09SFB13_6_36	1.689	0.032	0.062	0.0011	0.17127
X09SFB13_7_36	1.664	0.041	0.0629	0.0014	0.18099
X09SFB13_8_36	1.772	0.05	0.0631	0.0017	0.3658
X09SFB13_9_36	1.714	0.066	0.06196	0.00095	0.51509
X09SFB13_10_36	1.665	0.059	0.0614	0.0017	0.23672
X09SFB13_11_36	1.899	0.073	0.0619	0.0019	0.071679
X09SFB13_12_36	1.926	0.079	0.0636	0.0022	0.28452
X09SFB13_1_37	2.27	0.13	0.0705	0.0027	0.72583
X09SFB13_2_37	2.71	0.12	0.073	0.0025	0.42943
X09SFB13_3_37	3.1	0.13	0.0761	0.0026	0.4425
X09SFB13_4_37	3.31	0.098	0.0763	0.0019	0.22677
X09SFB13_5_37	3.92	0.25	0.0828	0.0025	0.71754
X09SFB13_6_37	5	0.23	0.0899	0.0027	0.35789
X09SFB13_7_37	5.71	0.25	0.094	0.0034	0.21098
X09SFB13_8_37	6.02	0.29	0.0938	0.0045	0.34558
X09SFB13_9_37	6.36	0.18	0.0985	0.0041	0.11599
X09SFB13_10_37	6.86	0.32	0.0984	0.0037	0.50183
X09SFB13_11_37	6.55	0.24	0.1019	0.0046	0.34013
X09SFB13_12_37	6.29	0.24	0.0973	0.0053	0.44991
X09SFB13_1_38	47.9	1.8	0.474	0.027	0.57326
X09SFB13_2_38	42.3	1.4	0.416	0.011	0.42328
X09SFB13_3_38	36.2	1.1	0.356	0.016	0.6983
X09SFB13_4_38	30.9	1.4	0.309	0.017	0.72572
X09SFB13_5_38	28.8	1.2	0.293	0.017	0.39825
X09SFB13_6_38	300	290	2.5	2.3	0.99537
X09SFB13_7_38	730	490	6	3.9	0.99276
X09SFB13_8_38	32	1.4	0.321	0.016	0.67045
X09SFB13_9_38	29.6	1.6	0.295	0.013	0.39629
X09SFB13_10_38	27.9	2.5	0.281	0.026	0.7432

X09SFB13_11_38	24.8	1.2	0.237	0.015	0.23735
X09SFB13_12_38	26.8	1.4	0.254	0.017	0.47639
X09SFB13_1_39	2100	380	18.1	2.8	0.9997
X09SFB13_2_39	1850	270	15.9	2.4	0.99974
X09SFB13_3_39	1440	140	12.3	1.3	0.99002
X09SFB13_4_39	1610	170	13.6	1.5	0.98597
X09SFB13_5_39	1520	180	12.2	1.7	0.99149
X09SFB13_6_39	610	120	5.07	0.95	0.99672
X09SFB13_7_39	431	92	3.63	0.76	0.99651
X09SFB13_8_39	118	16	1.02	0.13	0.99485
X09SFB13_9_39	68.3	4.4	0.633	0.041	0.95966
X09SFB13_10_39	54.5	1.3	0.4947	0.0097	0.82078
X09SFB13_11_39	52.6	1.9	0.492	0.016	0.90534
X09SFB13_12_39	59.3	1.5	0.56	0.014	0.87225
X09SFB13_1_40	3.74	0.16	0.0833	0.0029	0.41663
X09SFB13_2_40	3.54	0.13	0.0832	0.0021	0.083271
X09SFB13_3_40	3.5	0.12	0.0813	0.0032	0.28234
X09SFB13_4_40	3.57	0.14	0.0759	0.0029	0.16277
X09SFB13_5_40	3.35	0.13	0.0735	0.0024	0.26424
X09SFB13_6_40	3.244	0.098	0.0719	0.0016	0.48338
X09SFB13_7_40	3.1	0.11	0.0702	0.0026	0.017782
X09SFB13_8_40	3.25	0.15	0.0732	0.0024	0.038089
X09SFB13_9_40	3.06	0.18	0.0699	0.0027	0.34826
X09SFB13_10_40	2.8	0.16	0.064	0.0024	0.70508
X09SFB13_11_40	3.26	0.11	0.0718	0.0022	0.3809
X09SFB13_12_40	3.2	0.12	0.074	0.0024	0.0097404
X09SFB13_1_41	2.13	0.12	0.0735	0.0028	0.20486
X09SFB13_2_41	1.99	0.13	0.0704	0.0033	0.34639
X09SFB13_3_41	1.918	0.098	0.0688	0.0025	0.26841
X09SFB13_4_41	1.793	0.074	0.0663	0.0018	0.073746
X09SFB13_5_41	1.777	0.077	0.0656	0.0013	0.51282
X09SFB13_6_41	1.56	0.079	0.0616	0.0024	0.60355
X09SFB13_7_41	1.517	0.086	0.0604	0.0022	0.655
X09SFB13_8_41	1.516	0.065	0.0582	0.0017	0.32052
X09SFB13_9_41	1.465	0.066	0.0567	0.0018	0.25821
X09SFB13_10_41	1.468	0.062	0.0565	0.0017	0.31576
X09SFB13_11_41	1.453	0.067	0.0565	0.0015	0.12371
X09SFB13_12_41	1.441	0.09	0.0554	0.002	0.69283
X09SFB13_1_42	1.513	0.061	0.06172	0.00087	0.60192

X09SFB13_2_42	1.746	0.064	0.06204	0.00095	0.0039847
X09SFB13_3_42	2.053	0.085	0.0624	0.0016	0.45378
X09SFB13_4_42	2.79	0.15	0.0694	0.0025	0.68011
X09SFB13_5_42	3.72	0.21	0.0829	0.0036	0.55078
X09SFB13_6_42	5.02	0.34	0.0914	0.0048	0.46971
X09SFB13_7_42	7.28	0.66	0.1126	0.0086	0.81366
X09SFB13_8_42	11.81	0.99	0.145	0.012	0.61907
X09SFB13_9_42	16.29	0.78	0.1855	0.0095	0.61877
X09SFB13_10_42	19	1	0.213	0.015	0.60017
X09SFB13_11_42	18.4	1.2	0.199	0.013	0.72869
X09SFB13_12_42	16.6	1	0.1753	0.0088	0.74793
X09SFB13_1_43	64	7.1	0.62	0.083	0.8597
X09SFB13_2_43	33.9	3.4	0.332	0.037	0.89896
X09SFB13_3_43	16.9	1.9	0.188	0.013	0.85767
X09SFB13_4_43	11.09	0.58	0.145	0.0064	0.53111
X09SFB13_5_43	6.2	1.4	0.11	0.011	0.91423
X09SFB13_6_43	1.71	0.13	0.0805	0.0021	0.61317
X09SFB13_7_43	1.196	0.054	0.0772	0.002	0.4204
X09SFB13_8_43	1.146	0.03	0.0776	0.0017	0.65758
X09SFB13_9_43	1.417	0.082	0.0871	0.0027	0.76491
X09SFB13_10_43	2.47	0.5	0.0918	0.002	0.12996
X09SFB13_11_43	5.58	0.19	0.0869	0.0032	0.12152
X09SFB13_12_43	4.86	0.39	0.0977	0.0029	0.30526
X09SFB13_1_44	3.44	0.13	0.0832	0.0025	0.34006
X09SFB13_2_44	2.95	0.15	0.0795	0.0025	0.47072
X09SFB13_3_44	2.598	0.074	0.0773	0.002	0.29325
X09SFB13_4_44	2.534	0.068	0.0778	0.0024	0.61023
X09SFB13_5_44	2.666	0.091	0.0762	0.0021	0.32959
X09SFB13_6_44	2.695	0.079	0.0781	0.0012	0.1498
X09SFB13_7_44	2.765	0.081	0.0761	0.0019	0.39384
X09SFB13_8_44	2.748	0.091	0.0772	0.0024	0.16
X09SFB13_9_44	2.937	0.082	0.0778	0.0017	0.33392
X09SFB13_10_44	3.01	0.11	0.0773	0.0025	0.37759
X09SFB13_11_44	2.906	0.098	0.0763	0.0032	0.30773
X09SFB13_12_44	2.889	0.091	0.0784	0.0013	0.019421
X09SFB13_1_45	5.03	0.8	0.0565	0.0088	0.97796
X09SFB13_2_45	2.52	0.28	0.0342	0.0035	0.83907
X09SFB13_3_45	3.34	0.27	0.0484	0.0037	0.89021
X09SFB13_4_45	4.62	0.14	0.0679	0.0026	0.59243

X09SFB13_5_45	4.7	0.16	0.0704	0.0019	0.31479
X09SFB13_6_45	5.06	0.16	0.0759	0.0027	0.4103
X09SFB13_7_45	5.45	0.17	0.0803	0.0034	0.32485
X09SFB13_8_45	5.8	0.2	0.0876	0.0038	0.41349
X09SFB13_9_45	5.69	0.15	0.0889	0.0025	0.1656
X09SFB13_10_45	5.88	0.22	0.0887	0.0025	0.050679
X09SFB13_11_45	6.62	0.19	0.0985	0.0025	0.33646
X09SFB13_12_45	6.62	0.25	0.0979	0.0043	0.38261
X09SFB13_1_46	28	3.1	0.282	0.026	0.88615
X09SFB13_2_46	15.28	0.8	0.181	0.012	0.66899
X09SFB13_3_46	11.1	1.2	0.135	0.015	0.93383
X09SFB13_4_46	6.79	0.39	0.1028	0.0042	0.62654
X09SFB13_5_46	5.41	0.2	0.0946	0.0026	0.54709
X09SFB13_6_46	5.2	0.39	0.0937	0.0038	0.1746
X09SFB13_7_46	4.61	0.13	0.0866	0.0028	0.010741
X09SFB13_8_46	4.28	0.2	0.0841	0.0035	0.25462
X09SFB13_9_46	3.75	0.14	0.0787	0.0034	0.39639
X09SFB13_10_46	3.5	0.1	0.0804	0.0031	0.24514
X09SFB13_11_46	3.81	0.16	0.0846	0.0027	0.059825
X09SFB13_12_46	4.08	0.13	0.0855	0.0027	0.027619
X09SFB13_1_47	3.14	0.2	0.07	0.0027	0.49946
X09SFB13_2_47	3.6	0.21	0.0738	0.0033	0.082179
X09SFB13_3_47	4.02	0.22	0.0803	0.0028	0.23528
X09SFB13_4_47	4.28	0.27	0.0792	0.0043	0.26115
X09SFB13_5_47	4.51	0.32	0.0799	0.0034	0.42048
X09SFB13_6_47	4.69	0.21	0.0797	0.0035	0.087192
X09SFB13_7_47	4.64	0.16	0.0782	0.0033	0.12848
X09SFB13_8_47	4.32	0.12	0.0786	0.0044	0.24767
X09SFB13_9_47	4.31	0.17	0.0778	0.002	0.40375
X09SFB13_10_47	4.16	0.2	0.0748	0.003	0.11744
X09SFB13_11_47	3.87	0.2	0.0742	0.004	0.092652
X09SFB13_12_47	3.94	0.19	0.0696	0.0035	0.24904
X09SFB13_1_48	13	2.8	0.179	0.024	0.99002
X09SFB13_2_48	12.08	0.65	0.1753	0.0079	0.16762
X09SFB13_3_48	14.21	0.66	0.1902	0.008	0.75171
X09SFB13_4_48	13.85	0.48	0.1877	0.0063	0.57174
X09SFB13_5_48	12.87	0.61	0.1809	0.0085	0.68216
X09SFB13_6_48	12.32	0.52	0.176	0.01	0.80113
X09SFB13_7_48	11.57	0.38	0.1627	0.0074	0.60556

X09SFB13_8_48	11.17	0.25	0.1571	0.0045	0.49475
X09SFB13_9_48	10.2	0.46	0.157	0.005	0.46842
X09SFB13_10_48	9.34	0.34	0.1508	0.0054	0.67137
X09SFB13_11_48	9.22	0.33	0.14	0.0054	0.31541
X09SFB13_12_48	8.93	0.35	0.1404	0.0054	0.54829
X09SFB13_1_49	29.7	5.4	0.314	0.052	0.98727
X09SFB13_2_49	18.4	1.2	0.205	0.012	0.70529
X09SFB13_3_49	17.3	1.7	0.19	0.02	0.77438
X09SFB13_4_49	12.04	0.93	0.1379	0.0082	0.42735
X09SFB13_5_49	14	1.2	0.161	0.012	0.79296
X09SFB13_6_49	15.2	1.2	0.162	0.015	0.86052
X09SFB13_7_49	15.2	1.4	0.17	0.021	0.10418
X09SFB13_8_49	11.07	0.72	0.1304	0.0075	0.072587
X09SFB13_9_49	9.75	0.88	0.122	0.011	0.63933
X09SFB13_10_49	8.7	1	0.1052	0.0091	0.66364
X09SFB13_11_49	6	0.64	0.0816	0.0077	0.49359
X09SFB13_12_49	6.6	1.1	0.093	0.011	0.79662
X09SFB13_1_50	5.17	0.86	0.0933	0.0078	0.79428
X09SFB13_2_50	8.44	0.45	0.1207	0.0091	0.43835
X09SFB13_3_50	9.71	0.49	0.1371	0.004	0.15872
X09SFB13_4_50	9.93	0.56	0.1305	0.0067	0.034153
X09SFB13_5_50	10.38	0.34	0.1326	0.0079	0.22884
X09SFB13_6_50	10.45	0.46	0.1395	0.0076	0.36011
X09SFB13_7_50	10.84	0.6	0.1369	0.0078	0.13087
X09SFB13_8_50	11.55	0.45	0.1476	0.0079	0.5396
X09SFB13_9_50	11.79	0.51	0.1553	0.0084	0.55284
X09SFB13_10_50	11.58	0.69	0.1519	0.0059	0.33012
X09SFB13_11_50	11.66	0.81	0.1589	0.0067	0.1718
X09SFB13_12_50	12.31	0.65	0.1569	0.0074	0.46988
X09SFB13_1_51	1760	300	15.2	2.7	0.99845
X09SFB13_2_51	2100	360	17.7	3	0.99948
X09SFB13_3_51	1640	140	13.9	1.2	0.99969
X09SFB13_4_51	1530	130	13	1.1	0.98946
X09SFB13_5_51	1550	140	12.6	1.1	0.9817
X09SFB13_6_51	1730	150	14.6	1.4	0.98533
X09SFB13_7_51	1774	98	14.91	0.88	0.97999
X09SFB13_8_51	1790	110	15.06	0.93	0.98843
X09SFB13_9_51	1850	190	15.6	1.6	0.98908
X09SFB13_10_51	1810	150	15.2	1.1	0.98557

X09SFB13_11_51	1740	130	14.8	1.1	0.98013
X09SFB13_12_51	1960	240	16.5	1.9	0.98775
X09SFB13_1_52	8.02	0.26	0.124	0.0029	0.44342
X09SFB13_2_52	7.77	0.38	0.1155	0.004	0.6937
X09SFB13_3_52	7.98	0.59	0.1123	0.0051	0.82992
X09SFB13_4_52	15	1.6	0.175	0.016	0.85191
X09SFB13_5_52	22.25	0.94	0.235	0.014	0.41573
X09SFB13_6_52	22.8	1.2	0.224	0.014	0.41667
X09SFB13_7_52	22	1.5	0.236	0.018	0.51102
X09SFB13_8_52	22.7	1.4	0.232	0.018	0.70468
X09SFB13_9_52	19.6	1.1	0.223	0.016	0.6509
X09SFB13_10_52	13.89	0.94	0.1677	0.0078	0.82167
X09SFB13_11_52	11.15	0.63	0.1424	0.0084	0.45541
X09SFB13_12_52	8.53	0.35	0.1178	0.0051	0.72645
X09SFB13_1_53	11.53	0.72	0.1464	0.008	0.48748
X09SFB13_2_53	8.13	0.77	0.1187	0.0099	0.93144
X09SFB13_3_53	6.84	0.31	0.106	0.0033	0.30739
X09SFB13_4_53	5.68	0.32	0.0962	0.0042	0.51998
X09SFB13_5_53	5.03	0.13	0.0907	0.0035	0.23141
X09SFB13_6_53	4.6	0.17	0.0868	0.0028	0.48437
X09SFB13_7_53	4.32	0.12	0.0828	0.0013	0.26539
X09SFB13_8_53	4.43	0.14	0.0828	0.0022	0.24053
X09SFB13_9_53	4.01	0.16	0.0779	0.0024	0.4532
X09SFB13_10_53	3.98	0.18	0.0766	0.002	0.37179
X09SFB13_11_53	3.75	0.15	0.0781	0.002	0.27983
X09SFB13_12_53	4	0.14	0.0774	0.0023	0.52631
X09SFB13_1_54	14.94	0.52	0.1792	0.0065	0.88585
X09SFB13_2_54	13.06	0.33	0.1698	0.0044	0.52105
X09SFB13_3_54	13.86	0.46	0.1712	0.0046	0.03431
X09SFB13_4_54	17.71	0.94	0.196	0.0074	0.72398
X09SFB13_5_54	22.5	1.1	0.2312	0.0085	0.52879
X09SFB13_6_54	27.1	1.3	0.266	0.013	0.71686
X09SFB13_7_54	32.5	1.5	0.31	0.012	0.5563
X09SFB13_8_54	40.6	1.5	0.389	0.02	0.765
X09SFB13_9_54	43.1	1.4	0.409	0.023	0.64562
X09SFB13_10_54	45.6	2.2	0.43	0.021	0.61948
X09SFB13_11_54	53.3	3.3	0.507	0.026	0.72765
X09SFB13_12_54	55.5	2.8	0.524	0.022	0.60394
X09SFB13_1_55	6.5	0.62	0.1084	0.0083	0.81315

X09SFB13_2_55	6.22	0.35	0.1009	0.0039	0.37594
X09SFB13_3_55	7	0.44	0.1057	0.0068	0.80502
X09SFB13_4_55	15.8	2.7	0.18	0.022	0.89172
X09SFB13_5_55	7.19	0.45	0.1069	0.0074	0.79794
X09SFB13_6_55	6.21	0.34	0.0973	0.0035	0.61667
X09SFB13_7_55	5.41	0.48	0.0879	0.0079	0.74724
X09SFB13_8_55	7.18	0.39	0.1033	0.0046	0.76287
X09SFB13_9_55	6.87	0.32	0.1013	0.0044	0.15394
X09SFB13_10_55	6.18	0.47	0.0996	0.005	0.31578
X09SFB13_11_55	6.73	0.52	0.1029	0.0057	0.40834
X09SFB13_12_55	6.48	0.46	0.0931	0.0044	0.61491
X09SFB13_1_56	10.92	0.5	0.1387	0.0068	0.78103
X09SFB13_2_56	9.28	0.33	0.1222	0.0029	0.38686
X09SFB13_3_56	8.83	0.2	0.1212	0.0028	0.55013
X09SFB13_4_56	9.01	0.29	0.1269	0.0038	0.74177
X09SFB13_5_56	8.7	0.27	0.1189	0.0026	0.59907
X09SFB13_6_56	8.37	0.24	0.1159	0.0028	0.42761
X09SFB13_7_56	8.34	0.21	0.1163	0.0029	0.31844
X09SFB13_8_56	8.11	0.15	0.117	0.0025	0.21451
X09SFB13_9_56	7.79	0.16	0.1141	0.0026	0.41475
X09SFB13_10_56	7.62	0.17	0.1086	0.0038	0.45643
X09SFB13_11_56	7.34	0.25	0.1075	0.0022	0.61626
X09SFB13_12_56	7.34	0.22	0.1076	0.0026	0.11955
X09SFB13_1_57	2.085	0.089	0.0694	0.0024	0.44626
X09SFB13_2_57	2.066	0.094	0.069	0.0027	0.67775
X09SFB13_3_57	1.996	0.094	0.0656	0.002	0.028037
X09SFB13_4_57	1.958	0.098	0.0645	0.0022	0.53831
X09SFB13_5_57	1.96	0.1	0.0651	0.0021	0.52296
X09SFB13_6_57	2.059	0.095	0.0657	0.0022	0.31355
X09SFB13_7_57	2.141	0.071	0.0646	0.0016	0.34604
X09SFB13_8_57	2.35	0.13	0.0668	0.0023	0.38493
X09SFB13_9_57	2.41	0.1	0.068	0.0014	0.23121
X09SFB13_10_57	2.49	0.13	0.0706	0.0021	0.047816
X09SFB13_11_57	3.07	0.8	0.0765	0.0065	0.98354
X09SFB13_12_57	4.3	0.85	0.0865	0.0074	0.97568
X09SFB13_1_58	44.3	3.6	0.444	0.036	0.84657
X09SFB13_2_58	48.5	3.2	0.492	0.039	0.6859
X09SFB13_3_58	40.9	3	0.384	0.03	0.76362
X09SFB13_4_58	36.2	1.9	0.372	0.014	0.72551

X09SFB13_5_58	30.8	2.2	0.313	0.024	0.57354
X09SFB13_6_58	25.8	1.4	0.251	0.016	0.17644
X09SFB13_7_58	22.8	1	0.233	0.014	0.43444
X09SFB13_8_58	21.3	1	0.221	0.01	0.51781
X09SFB13_9_58	21.2	1	0.227	0.016	0.66646
X09SFB13_10_58	20.4	1.3	0.217	0.01	0.54328
X09SFB13_11_58	19.57	0.98	0.21	0.011	0.54783
X09SFB13_12_58	17.3	1.1	0.203	0.015	0.73489
X09SFB13_1_59	31.7	2.8	0.343	0.03	0.84973
X09SFB13_2_59	41.4	3	0.427	0.028	0.45383
X09SFB13_3_59	50.4	3.6	0.484	0.041	0.79079
X09SFB13_4_59	65.3	3	0.6	0.044	0.37715
X09SFB13_5_59	66.6	4.4	0.629	0.05	0.64501
X09SFB13_6_59	66.6	6.8	0.656	0.072	0.94209
X09SFB13_7_59	66.8	4.3	0.661	0.048	0.78144
X09SFB13_8_59	65.5	6.6	0.605	0.068	0.83736
X09SFB13_9_59	62.9	3.4	0.616	0.038	0.78749
X09SFB13_10_59	51.9	6.5	0.52	0.061	0.87699
X09SFB13_11_59	24	3.2	0.266	0.027	0.9098
X09SFB13_12_59	11.85	0.94	0.162	0.014	0.87696
X09SFB13_1_60	2.1	0.19	0.0642	0.0022	0.25468
X09SFB13_2_60	1.863	0.079	0.0628	0.0018	0.13448
X09SFB13_3_60	1.74	0.1	0.0615	0.0014	0.0081618
X09SFB13_4_60	1.661	0.069	0.0614	0.0024	0.3139
X09SFB13_5_60	1.667	0.081	0.0601	0.0023	0.33782
X09SFB13_6_60	1.657	0.071	0.0606	0.0014	0.35288
X09SFB13_7_60	1.671	0.087	0.0611	0.0014	0.010289
X09SFB13_8_60	1.643	0.075	0.06	0.0018	0.17375
X09SFB13_9_60	1.58	0.074	0.0584	0.0019	0.041213
X09SFB13_10_60	1.541	0.073	0.0587	0.0018	0.38566
X09SFB13_11_60	1.47	0.1	0.0559	0.002	0.30328
X09SFB13_12_60	1.48	0.074	0.0566	0.0024	0.35101
X09SFB13_1_61	0.835	0.036	0.0587	0.0024	0.7931
X09SFB13_2_61	1.026	0.036	0.06	0.0017	0.45736
X09SFB13_3_61	1.45	0.12	0.0706	0.0034	0.84161
X09SFB13_4_61	2.93	0.46	0.0997	0.0085	0.94466
X09SFB13_5_61	15.5	4.8	0.289	0.069	0.988
X09SFB13_6_61	54.7	9.1	0.776	0.099	0.97598
X09SFB13_7_61	82.2	7.8	0.99	0.11	0.95081

X09SFB13_8_61	92.9	9.8	1.03	0.1	0.86632
X09SFB13_9_61	107.6	7.5	1.031	0.063	0.76812
X09SFB13_10_61	103	9.6	0.983	0.099	0.94063
X09SFB13_11_61	115	14	1.14	0.16	0.92248
X09SFB13_12_61	111	10	1.077	0.084	0.95448
X09SFB13_1_62	39	16	0.4	0.17	0.68329
X09SFB13_2_62	18.1	4.9	0.18	0.051	0.92286
X09SFB13_3_62	19.6	7	0.198	0.084	0.88322
X09SFB13_4_62	21.5	6.2	0.23	0.092	0.7208
X09SFB13_5_62	16.7	5.4	0.204	0.06	0.74665
X09SFB13_6_62	16.8	6.1	0.201	0.067	0.81825
X09SFB13_7_62	17.5	5.9	0.165	0.038	0.46413
X09SFB13_8_62	17.8	8.9	0.17	0.076	0.0030676
X09SFB13_9_62	14.3	5	0.159	0.052	0.8994
X09SFB13_10_62	13.2	6.7	0.22	0.12	0.80703
X09SFB13_11_62	16.5	4.1	0.161	0.056	0.61743
X09SFB13_12_62	30	17	0.25	0.12	0.93673
X09SFB13_1_63	52.9	5.9	0.443	0.046	0.81815
X09SFB13_2_63	64	11	0.58	0.12	0.90616
X09SFB13_3_63	51.8	7.6	0.445	0.062	0.89822
X09SFB13_4_63	54.6	9.2	0.47	0.086	0.90756
X09SFB13_5_63	33.2	2.1	0.278	0.03	0.72424
X09SFB13_6_63	38.2	7.7	0.33	0.068	0.92405
X09SFB13_7_63	118	36	0.98	0.31	0.93792
X09SFB13_8_63	130	86	1.15	0.82	0.9026
X09SFB13_1_64	34	4.9	0.334	0.039	0.96924
X09SFB13_2_64	61.3	7	0.562	0.068	0.93319
X09SFB13_3_64	91	10	0.822	0.086	0.95979
X09SFB13_4_64	105	11	0.96	0.1	0.90771
X09SFB13_5_64	102.8	9.1	0.882	0.074	0.76635
X09SFB13_6_64	98	10	0.947	0.089	0.84583
X09SFB13_7_64	97	10	0.919	0.096	0.8666
X09SFB13_8_64	99.2	9.1	0.839	0.085	0.97717
X09SFB13_9_64	87.5	8.1	0.779	0.082	0.85741
X09SFB13_10_64	93	11	0.83	0.12	0.944
X09SFB13_11_64	93	12	0.789	0.096	0.9809
X09SFB13_12_64	80.6	7.8	0.73	0.082	0.86283
X09SFB13_1_65	2.105	0.062	0.0715	0.0013	0.10776
X09SFB13_2_65	2.171	0.069	0.0681	0.0015	0.084334

X09SFB13_3_65	2.322	0.057	0.0682	0.0017	0.27152
X09SFB13_4_65	2.74	0.14	0.0708	0.0018	0.62787
X09SFB13_5_65	3.6	0.21	0.077	0.0031	0.48792
X09SFB13_6_65	3.87	0.16	0.0777	0.0027	0.3346
X09SFB13_7_65	4.17	0.21	0.0795	0.0031	0.17697
X09SFB13_8_65	4.11	0.23	0.0769	0.0041	0.27325
X09SFB13_9_65	3.63	0.11	0.0726	0.0027	0.55298
X09SFB13_10_65	3.25	0.12	0.07	0.0021	0.18062
X09SFB13_11_65	3.277	0.073	0.0717	0.0018	0.47595
X09SFB13_12_65	3.07	0.12	0.0716	0.0022	0.13381
X09SFB13_1_66	3.41	0.49	0.0847	0.0052	0.80699
X09SFB13_2_66	5.07	0.25	0.0934	0.0045	0.50049
X09SFB13_3_66	4.56	0.2	0.0837	0.0035	0.62827
X09SFB13_4_66	3.52	0.25	0.0736	0.0028	0.66217
X09SFB13_5_66	1.96	0.22	0.0614	0.0028	0.73143
X09SFB13_6_66	1.452	0.072	0.0559	0.002	0.76463
X09SFB13_7_66	1.943	0.072	0.0598	0.0024	0.2263
X09SFB13_8_66	2.14	0.12	0.0612	0.0012	0.4126
X09SFB13_9_66	4.08	0.72	0.0803	0.0084	0.9422
X09SFB13_10_66	5.8	0.25	0.0971	0.0042	0.4088
X09SFB13_11_66	6.31	0.28	0.0992	0.004	0.29467
X09SFB13_12_66	6.86	0.28	0.1027	0.0035	0.40017
X09SFB13_1_67	2.92	0.31	0.0671	0.0034	0.8065
X09SFB13_2_67	2.42	0.14	0.0619	0.0019	0.61495
X09SFB13_3_67	2.93	0.27	0.0671	0.0027	0.82517
X09SFB13_4_67	3.43	0.17	0.0707	0.0033	0.27794
X09SFB13_5_67	3.57	0.17	0.0699	0.0028	0.28793
X09SFB13_6_67	3.54	0.16	0.0707	0.002	0.16195
X09SFB13_7_67	3.58	0.11	0.0684	0.0024	0.042074
X09SFB13_8_67	4.49	0.37	0.0726	0.0029	0.76989
X09SFB13_9_67	4.05	0.24	0.0691	0.0028	0.37343
X09SFB13_10_67	4.05	0.23	0.0709	0.0044	0.56645
X09SFB13_11_67	3.92	0.32	0.0684	0.0025	0.65035
X09SFB13_12_67	4.05	0.19	0.0692	0.0021	0.26866
X09SFB13_1_68	5.44	0.16	0.1086	0.004	0.28898
X09SFB13_2_68	5.88	0.19	0.1114	0.0036	0.020253
X09SFB13_3_68	6.27	0.26	0.112	0.0025	0.48053
X09SFB13_4_68	6.95	0.37	0.113	0.0053	0.908
X09SFB13_5_68	12.2	1.1	0.157	0.011	0.85465

X09SFB13_6_68	12.7	1.8	0.163	0.017	0.94902
X09SFB13_7_68	13.1	3	0.164	0.024	0.75152
X09SFB13_8_68	9.74	0.49	0.1411	0.0082	0.32043
X09SFB13_9_68	10.68	0.5	0.1501	0.0064	0.079585
X09SFB13_10_68	11.2	0.62	0.148	0.012	0.73266
X09SFB13_11_68	9.91	0.67	0.139	0.01	0.58674
X09SFB13_12_68	10.92	0.41	0.1501	0.0052	0.084313
X09SFB13_1_69	1.676	0.056	0.0708	0.0017	0.43987
X09SFB13_2_69	2.05	0.1	0.0715	0.0032	0.39768
X09SFB13_3_69	2.57	0.14	0.0782	0.0041	0.47722
X09SFB13_4_69	3.41	0.23	0.0823	0.004	0.36849
X09SFB13_5_69	3.69	0.17	0.0837	0.0031	0.33456
X09SFB13_6_69	3.66	0.15	0.0824	0.0037	0.27596
X09SFB13_7_69	3.73	0.2	0.0801	0.0041	0.48946
X09SFB13_8_69	3.75	0.16	0.0783	0.003	0.45908
X09SFB13_9_69	3.64	0.16	0.0783	0.0034	0.44995
X09SFB13_10_69	3.48	0.14	0.0803	0.0028	0.10952
X09SFB13_11_69	3.46	0.15	0.0763	0.003	0.331
X09SFB13_12_69	3.59	0.17	0.0795	0.0022	0.51502
X09SFB13_1_70	59.2	4	0.57	0.053	0.73394
X09SFB13_2_70	64.3	6.4	0.61	0.069	0.92439
X09SFB13_3_70	72.3	6.1	0.64	0.076	0.83938
X09SFB13_4_70	83.7	6.4	0.808	0.091	0.8528
X09SFB13_5_70	99	13	0.93	0.14	0.93791
X09SFB13_6_70	112	17	0.95	0.14	0.99047
X09SFB13_7_70	112	18	0.9	0.14	0.98751
X09SFB13_8_70	96.5	9.7	0.9	0.093	0.89002
X09SFB13_9_70	124	21	1.12	0.23	0.94821
X09SFB13_10_70	93	12	0.83	0.11	0.86621
X09SFB13_11_70	94	13	0.81	0.11	0.92905
X09SFB13_12_70	110	17	0.97	0.15	0.96984
X09SFB13_1_71	11.46	0.55	0.1479	0.0066	0.93852
X09SFB13_2_71	11.74	0.82	0.15	0.01	0.92582
X09SFB13_3_71	11	1	0.135	0.013	0.97627
X09SFB13_4_71	10.6	0.75	0.1347	0.0086	0.98043
X09SFB13_5_71	10.35	0.62	0.1346	0.0078	0.98296
X09SFB13_6_71	9.71	0.62	0.1239	0.0085	0.97354
X09SFB13_7_71	6.89	0.58	0.0888	0.0079	0.98174
X09SFB13_8_71	6.98	0.93	0.093	0.011	0.98025

X09SFB13_9_71	7.3	1.4	0.095	0.015	0.97269
X09SFB13_10_71	11.8	1.1	0.145	0.016	0.98609
X09SFB13_11_71	10.7	1.9	0.138	0.022	0.99281
X09SFB13_12_71	9.6	1.5	0.128	0.018	0.98987
X09SFB13_1_73	3.89	0.26	0.087	0.0034	0.62435
X09SFB13_2_73	5.09	0.27	0.0972	0.0035	0.6322
X09SFB13_3_73	5.61	0.16	0.0994	0.003	0.25628
X09SFB13_4_73	5.76	0.2	0.0993	0.0036	0.37346
X09SFB13_5_73	5.84	0.26	0.0988	0.003	0.4241
X09SFB13_6_73	6.12	0.26	0.0993	0.0029	0.30334
X09SFB13_7_73	6.16	0.32	0.1006	0.004	0.091834
X09SFB13_8_73	5.99	0.27	0.0985	0.0035	0.16189
X09SFB13_9_73	5.74	0.25	0.0945	0.0037	0.30223
X09SFB13_10_73	5.26	0.15	0.0906	0.002	0.092271
X09SFB13_11_73	5.15	0.2	0.0895	0.003	0.39691
X09SFB13_12_73	5.2	0.19	0.0887	0.0037	0.51011
X09SFB13_1_74	239	24	2.12	0.27	0.96355
X09SFB13_2_74	156	16	1.38	0.12	0.8965
X09SFB13_3_74	103	13	0.907	0.09	0.93701
X09SFB13_4_74	77.9	6.1	0.711	0.065	0.88153
X09SFB13_5_74	75	5.5	0.664	0.038	0.68341
X09SFB13_6_74	59.2	3.7	0.569	0.032	0.73638
X09SFB13_7_74	48.5	2.3	0.442	0.024	0.73206
X09SFB13_8_74	43.4	2.3	0.432	0.027	0.69464
X09SFB13_9_74	40.5	1.9	0.403	0.018	0.58933
X09SFB13_10_74	38.1	2.6	0.361	0.018	0.68507
X09SFB13_11_74	34.6	1.7	0.328	0.013	0.52733
X09SFB13_12_74	31.7	1.5	0.334	0.015	0.41532
X09SFB13_1_75	153	8	1.32	0.084	0.73667
X09SFB13_2_75	153.5	8.6	1.286	0.062	0.72661
X09SFB13_3_75	142.2	6.2	1.193	0.06	0.81478
X09SFB13_4_75	138	7.7	1.212	0.064	0.77058
X09SFB13_5_75	137.7	6.2	1.197	0.043	0.5793
X09SFB13_6_75	122.2	6.6	1.133	0.049	0.69716
X09SFB13_7_75	116	5.8	1.06	0.033	0.7546
X09SFB13_8_75	111.2	4.8	1.009	0.039	0.31643
X09SFB13_9_75	105	3.9	0.96	0.041	0.66283
X09SFB13_10_75	99.8	3.7	0.906	0.044	0.48056
X09SFB13_11_75	86.6	5.9	0.776	0.055	0.8368

X09SFB13_12_75	61.2	5.2	0.543	0.043	0.93442
X09SFB13_1_76	2.25	0.11	0.073	0.0021	0.069254
X09SFB13_2_76	2.63	0.15	0.0742	0.0017	0.20147
X09SFB13_3_76	2.85	0.13	0.074	0.0029	0.0043598
X09SFB13_4_76	2.9	0.11	0.0725	0.0026	0.11483
X09SFB13_5_76	3.11	0.13	0.0738	0.0029	0.34753
X09SFB13_6_76	3.264	0.089	0.0744	0.0023	0.31845
X09SFB13_7_76	3.41	0.12	0.076	0.0025	0.27528
X09SFB13_8_76	3.1	0.13	0.0745	0.0029	0.052204
X09SFB13_9_76	2.98	0.12	0.0723	0.0025	0.24105
X09SFB13_10_76	2.83	0.088	0.0719	0.0017	0.10857
X09SFB13_11_76	2.82	0.11	0.0747	0.002	0.026455
X09SFB13_12_76	2.86	0.14	0.0709	0.0021	0.24287
X09SFB13_1_77	55.1	4.6	0.542	0.04	0.92659
X09SFB13_2_77	38.1	1.6	0.378	0.022	0.85363
X09SFB13_3_77	33.4	1.2	0.326	0.011	0.7085
X09SFB13_4_77	29.4	1.1	0.2938	0.0087	0.74139
X09SFB13_5_77	26.99	0.89	0.2892	0.0086	0.42234
X09SFB13_6_77	23.95	0.8	0.2576	0.0092	0.37719
X09SFB13_7_77	23.73	0.51	0.2502	0.007	0.52058
X09SFB13_8_77	23.18	0.48	0.2505	0.0086	0.50513
X09SFB13_9_77	23.85	0.56	0.2475	0.0075	0.26889
X09SFB13_10_77	24.29	0.63	0.2562	0.0058	0.56857
X09SFB13_11_77	25.14	0.84	0.268	0.01	0.67959
X09SFB13_12_77	25.96	0.77	0.27	0.011	0.77816
X09SFB13_1_78	3.55	0.16	0.0837	0.0026	0.20864
X09SFB13_2_78	3.74	0.16	0.0811	0.0027	0.33647
X09SFB13_3_78	3.38	0.17	0.0771	0.004	0.32531
X09SFB13_4_78	2.6	0.17	0.0707	0.003	0.31419
X09SFB13_5_78	2.29	0.11	0.0656	0.0025	0.50542
X09SFB13_6_78	2.332	0.079	0.0678	0.0022	0.094611
X09SFB13_7_78	2.24	0.11	0.0668	0.0025	0.32184
X09SFB13_8_78	2.11	0.11	0.0624	0.002	0.11309
X09SFB13_9_78	2.18	0.11	0.0645	0.0017	0.11152
X09SFB13_10_78	4.35	0.93	0.0841	0.0096	0.96864
X09SFB13_11_78	6.1	2.3	0.104	0.023	0.98329
X09SFB13_12_78	2.384	0.091	0.064	0.0018	0.31582
X09SFB13_1_79	9.64	0.3	0.1291	0.0035	0.5732
X09SFB13_2_79	9.26	0.28	0.1268	0.0039	0.5728

X09SFB13_3_79	8.43	0.41	0.1198	0.0042	0.64007
X09SFB13_4_79	7.82	0.27	0.1123	0.0032	0.56261
X09SFB13_5_79	7.3	0.3	0.1101	0.0052	0.8341
X09SFB13_6_79	7.89	0.28	0.1119	0.0039	0.4641
X09SFB13_7_79	8.41	0.29	0.1117	0.0035	0.1128
X09SFB13_8_79	8.15	0.32	0.1185	0.0047	0.58194
X09SFB13_9_79	7.65	0.25	0.1099	0.003	0.26497
X09SFB13_10_79	6.85	0.21	0.1027	0.0034	0.47187
X09SFB13_11_79	7.29	0.22	0.1085	0.0029	0.48763
X09SFB13_12_79	7.93	0.27	0.1117	0.0035	0.27629
X09SFB13_1_80	3.53	0.2	0.07	0.0031	0.20669
X09SFB13_2_80	3.37	0.15	0.0694	0.0029	0.17115
X09SFB13_3_80	3.3	0.17	0.07	0.0025	0.31187
X09SFB13_4_80	3.39	0.15	0.0731	0.0038	0.040257
X09SFB13_5_80	3.45	0.15	0.0708	0.0027	0.043345
X09SFB13_6_80	3.55	0.19	0.0714	0.0022	0.013594
X09SFB13_7_80	3.42	0.21	0.0725	0.0019	0.18175
X09SFB13_8_80	3.55	0.19	0.0752	0.0044	0.029013
X09SFB13_9_80	3.62	0.13	0.0736	0.0035	0.0080825
X09SFB13_10_80	3.71	0.23	0.076	0.0044	0.41135
X09SFB13_11_80	3.78	0.21	0.0762	0.0025	0.37133
X09SFB13_12_80	3.64	0.16	0.075	0.0034	0.041895
X09SFB13_1_81	3.81	0.15	0.0922	0.0032	0.45163
X09SFB13_2_81	3.24	0.11	0.0843	0.0023	0.42314
X09SFB13_3_81	3.138	0.086	0.0804	0.0018	0.19877
X09SFB13_4_81	2.988	0.05	0.0815	0.0031	0.14381
X09SFB13_5_81	2.94	0.13	0.0777	0.0035	0.42405
X09SFB13_6_81	3.08	0.12	0.0783	0.002	0.24162
X09SFB13_7_81	3.29	0.12	0.0819	0.0027	0.27137
X09SFB13_8_81	3.54	0.15	0.0841	0.0028	0.25655
X09SFB13_9_81	3.85	0.11	0.086	0.0033	0.17645
X09SFB13_10_81	4.18	0.11	0.086	0.0035	0.23088
X09SFB13_11_81	4.25	0.13	0.0918	0.0034	0.60464
X09SFB13_12_81	4.3	0.14	0.0924	0.003	0.10323
X09SFB13_1_82	1.66	0.13	0.0631	0.0026	0.57181
X09SFB13_2_82	2.27	0.12	0.0731	0.0032	0.36901
X09SFB13_3_82	2.9	0.14	0.075	0.0029	0.038852
X09SFB13_4_82	3.067	0.093	0.0762	0.0028	0.48401
X09SFB13_5_82	3.31	0.16	0.079	0.0021	0.18386

X09SFB13_6_82	3.41	0.16	0.0737	0.0027	0.07214
X09SFB13_7_82	3.37	0.12	0.0748	0.0035	0.26881
X09SFB13_8_82	3.62	0.13	0.074	0.0027	0.38687
X09SFB13_9_82	3.7	0.17	0.0765	0.0025	0.48932
X09SFB13_10_82	3.9	0.23	0.0772	0.0029	0.4723
X09SFB13_11_82	3.83	0.22	0.0761	0.0029	0.40422
X09SFB13_12_82	3.71	0.21	0.0767	0.0023	0.084074
X09SFB13_1_83	410	170	2.77	0.72	0.99283
X09SFB13_2_83	1490	420	12.8	3.7	0.97215
X09SFB13_3_83	1180	410	9.9	3.6	0.97361
X09SFB13_5_84	1000	430	7.6	2.8	0.95936
X09SFB13_6_84	335	74	2.67	0.51	0.9195
X09SFB13_7_84	332	55	2.81	0.41	0.98492
X09SFB13_8_84	274	56	2.51	0.49	0.98625
X09SFB13_9_84	202	32	1.72	0.27	0.93747
X09SFB13_10_84	193	26	1.72	0.21	0.97146
X09SFB13_11_84	191	26	1.65	0.28	0.95745
X09SFB13_12_84	216	28	1.89	0.27	0.88876
X09SFB13_1_85	18.2	2.5	0.199	0.023	0.95362
X09SFB13_2_85	12.62	0.6	0.1553	0.0087	0.0094828
X09SFB13_3_85	11.9	0.37	0.143	0.005	0.097701
X09SFB13_4_85	10.83	0.44	0.1427	0.0064	0.40067
X09SFB13_5_85	9.36	0.4	0.129	0.0046	0.15573
X09SFB13_6_85	8.11	0.33	0.1198	0.0059	0.41014
X09SFB13_7_85	8.33	0.45	0.1234	0.007	0.76819
X09SFB13_8_85	9.91	0.56	0.134	0.0045	0.51809
X09SFB13_9_85	10.07	0.57	0.1349	0.0051	0.81782
X09SFB13_10_85	10.12	0.38	0.1407	0.0053	0.452
X09SFB13_11_85	10.2	0.49	0.1443	0.0062	0.56078
X09SFB13_12_85	10.15	0.46	0.1345	0.0061	0.2875
X09SFB13_1_86	13.6	1.3	0.161	0.011	0.70567
X09SFB13_2_86	11	0.58	0.1374	0.0067	0.58794
X09SFB13_3_86	10.91	0.59	0.1385	0.0075	0.75238
X09SFB13_4_86	10.79	0.39	0.1383	0.0091	0.25335
X09SFB13_5_86	10.76	0.48	0.1314	0.0052	0.26688
X09SFB13_6_86	10.12	0.47	0.1267	0.005	0.40856
X09SFB13_7_86	9.71	0.51	0.1275	0.0058	0.32973
X09SFB13_8_86	9.41	0.38	0.1306	0.0069	0.23984
X09SFB13_9_86	9.39	0.46	0.1228	0.0073	0.47569

X09SFB13_10_86	9.18	0.43	0.1208	0.0063	0.32608
X09SFB13_11_86	9.55	0.38	0.1212	0.0062	0.34468
X09SFB13_12_86	9.29	0.37	0.1216	0.0039	0.42475
X09SFB13_1_87	10.4	2.2	0.151	0.019	0.92113
X09SFB13_2_87	5.81	0.28	0.1172	0.0036	0.51632
X09SFB13_3_87	6.51	0.24	0.124	0.0033	0.45876
X09SFB13_4_87	7.02	0.2	0.1249	0.0035	0.33228
X09SFB13_5_87	7.28	0.19	0.1283	0.0037	0.39353
X09SFB13_6_87	7.87	0.23	0.1384	0.0035	0.17663
X09SFB13_7_87	8.15	0.21	0.1374	0.0034	0.045831
X09SFB13_8_87	8.3	0.26	0.1394	0.0029	0.091204
X09SFB13_9_87	8.32	0.28	0.1373	0.0028	0.38488
X09SFB13_10_87	8.25	0.26	0.1373	0.003	0.25219
X09SFB13_11_87	8.37	0.2	0.136	0.0037	0.024389
X09SFB13_12_87	8.01	0.16	0.1372	0.0037	0.4341
X09SFB13_1_88	18.22	0.96	0.204	0.01	0.50419
X09SFB13_2_88	21.8	1	0.2426	0.009	0.15359
X09SFB13_3_88	22.19	0.84	0.2408	0.0067	0.17246
X09SFB13_4_88	23.79	0.99	0.245	0.013	0.44316
X09SFB13_5_88	23.09	0.97	0.2467	0.0089	0.62112
X09SFB13_6_88	24.32	0.87	0.252	0.011	0.44045
X09SFB13_7_88	23.86	0.75	0.252	0.012	0.37787
X09SFB13_8_88	23.9	1.1	0.246	0.01	0.57238
X09SFB13_9_88	23.49	0.9	0.237	0.01	0.70146
X09SFB13_10_88	23.5	0.59	0.2424	0.008	0.53573
X09SFB13_11_88	24.14	0.8	0.2461	0.0093	0.51878
X09SFB13_12_88	25.23	0.91	0.249	0.01	0.44752
X09SFB13_1_89	7.04	0.62	0.1028	0.006	0.73844
X09SFB13_2_89	5.31	0.28	0.0887	0.0045	0.4636
X09SFB13_3_89	4.87	0.26	0.0833	0.0044	0.26666
X09SFB13_4_89	4.36	0.25	0.0778	0.0042	0.54413
X09SFB13_5_89	4.09	0.25	0.0763	0.0024	0.31698
X09SFB13_6_89	3.82	0.15	0.0731	0.0023	0.23284
X09SFB13_7_89	3.82	0.17	0.0736	0.0036	0.11091
X09SFB13_8_89	3.61	0.15	0.0689	0.003	0.39539
X09SFB13_9_89	3.54	0.14	0.0699	0.0033	0.16916
X09SFB13_10_89	3.83	0.17	0.0719	0.0038	0.12694
X09SFB13_11_89	3.9	0.15	0.0739	0.0043	0.2218
X09SFB13_12_89	3.82	0.15	0.0734	0.0027	0.12478

X09SFB13_1_90	4.67	0.42	0.0783	0.0041	0.81649
X09SFB13_2_90	2.91	0.14	0.0673	0.0024	0.58833
X09SFB13_3_90	2.306	0.095	0.0632	0.0016	0.27339
X09SFB13_4_90	2.025	0.078	0.0596	0.0017	0.3757
X09SFB13_5_90	1.937	0.098	0.0575	0.0014	0.23144
X09SFB13_6_90	1.776	0.054	0.0557	0.0011	0.085191
X09SFB13_7_90	1.671	0.056	0.0546	0.0015	0.085566
X09SFB13_8_90	1.762	0.052	0.0535	0.0017	0.051205
X09SFB13_9_90	1.7	0.042	0.0534	0.0015	0.00050791
X09SFB13_10_90	1.641	0.026	0.0529	0.0017	0.021344
X09SFB13_11_90	1.598	0.039	0.0517	0.0012	0.018836
X09SFB13_12_90	1.53	0.036	0.0515	0.0012	0.098273
X09SFB13_1_93	4.22	0.22	0.0872	0.0046	0.43863
X09SFB13_2_93	3.97	0.31	0.0831	0.0047	0.85167
X09SFB13_3_93	3.43	0.65	0.068	0.012	0.93722
X09SFB13_4_93	5.34	0.3	0.0923	0.0043	0.73614
X09SFB13_5_93	5.19	0.27	0.0919	0.0038	0.085302
X09SFB13_6_93	4.84	0.26	0.0849	0.0031	0.33148
X09SFB13_7_93	4.83	0.24	0.0884	0.0033	0.29069
X09SFB13_8_93	4.6	0.23	0.0821	0.0033	0.5413
X09SFB13_9_93	4.31	0.2	0.0826	0.0037	0.27938
X09SFB13_10_93	4.32	0.23	0.0773	0.0043	0.24369
X09SFB13_11_93	4.51	0.31	0.0798	0.0037	0.1798
X09SFB13_12_93	4.19	0.26	0.0778	0.0026	0.19385
X09SFB13_1_94	27.6	2.8	0.278	0.025	0.91088
X09SFB13_2_94	22.89	0.83	0.254	0.016	0.59549
X09SFB13_3_94	23.5	1	0.263	0.018	0.39556
X09SFB13_4_94	24.84	0.99	0.267	0.018	0.443
X09SFB13_5_94	25.3	1	0.2772	0.0072	0.57384
X09SFB13_6_94	25.19	0.97	0.262	0.016	0.54158
X09SFB13_7_94	26.3	1.2	0.276	0.016	0.49396
X09SFB13_8_94	28.6	1.4	0.271	0.012	0.57152
X09SFB13_9_94	28.3	1.5	0.283	0.013	0.47248
X09SFB13_10_94	32.3	1.2	0.31	0.018	0.71256
X09SFB13_11_94	34	1.8	0.345	0.023	0.70071
X09SFB13_12_94	40.5	2.7	0.393	0.029	0.76178
X09SFB13_1_95	300	98	2.63	0.88	0.96055
X09SFB13_2_95	321	95	2.86	0.86	0.96571
X09SFB13_3_95	51	11	0.515	0.085	0.97275

X09SFB13_4_95	63	22	0.6	0.17	0.98921
X09SFB13_5_95	135	24	1.2	0.21	0.98558
X09SFB13_6_95	116	46	1.04	0.47	0.95459
X09SFB13_7_95	88	15	0.76	0.14	0.97184
X09SFB13_8_95	98	24	1.01	0.25	0.96667
X09SFB13_9_95	84	28	0.8	0.27	0.95628
X09SFB13_10_95	41	13	0.45	0.14	0.99277
X09SFB13_11_95	16.5	2	0.194	0.023	0.73681
X09SFB13_12_95	10.92	0.85	0.148	0.01	0.63866
X09SFB13_1_96	78	18	0.77	0.19	0.99297
X09SFB13_2_96	28.3	1.9	0.276	0.018	0.94204
X09SFB13_3_96	19	1.4	0.206	0.012	0.77419
X09SFB13_4_96	15.67	0.74	0.1705	0.0099	0.66266
X09SFB13_5_96	15.6	2	0.17	0.018	0.88718
X09SFB13_6_96	15.1	1.5	0.172	0.013	0.85516
X09SFB13_7_96	9.31	0.48	0.1186	0.0043	0.81092
X09SFB13_8_96	8.94	0.53	0.1168	0.0037	0.73046
X09SFB13_9_96	8.39	0.54	0.1128	0.0052	0.6282
X09SFB13_10_96	8.07	0.23	0.1119	0.0049	0.40844
X09SFB13_11_96	7.69	0.39	0.1084	0.0043	0.40827
X09SFB13_12_96	7.79	0.35	0.1097	0.0049	0.26206
X09SFB13_1_97	8.04	0.29	0.1213	0.0032	0.19929
X09SFB13_2_97	7.61	0.25	0.1207	0.0023	0.375
X09SFB13_3_97	6.71	0.24	0.1065	0.004	0.65763
X09SFB13_4_97	7.19	0.2	0.1123	0.0027	0.4865
X09SFB13_5_97	6.9	0.27	0.1097	0.0039	0.35825
X09SFB13_6_97	6.25	0.38	0.1016	0.004	0.66588
X09SFB13_7_97	6.89	0.18	0.1109	0.0036	0.55378
X09SFB13_8_97	6.82	0.24	0.1096	0.0041	0.63758
X09SFB13_9_97	6.15	0.37	0.0986	0.0061	0.9116
X09SFB13_10_97	6.18	0.28	0.1022	0.0038	0.83935
X09SFB13_11_97	5.55	0.25	0.0918	0.003	0.77724
X09SFB13_12_97	4.64	0.22	0.0811	0.0045	0.81324
X09SFB13_1_98	2.92	0.23	0.067	0.0032	0.33481
X09SFB13_2_98	2.44	0.1	0.0622	0.0021	0.21651
X09SFB13_3_98	2.48	0.1	0.0602	0.0016	0.41168
X09SFB13_4_98	2.46	0.1	0.0598	0.0015	0.53088
X09SFB13_5_98	2.455	0.09	0.0596	0.0022	0.27146
X09SFB13_6_98	2.286	0.083	0.0582	0.0015	0.29893

X09SFB13_7_98	2.311	0.097	0.0542	0.0015	0.66612
X09SFB13_8_98	2.268	0.083	0.0568	0.0012	0.43528
X09SFB13_9_98	2.168	0.095	0.0569	0.0016	0.41431
X09SFB13_10_98	2.4	0.11	0.058	0.0014	0.0092056
X09SFB13_11_98	2.514	0.085	0.0615	0.0021	0.45932
X09SFB13_12_98	2.79	0.11	0.0648	0.0016	0.0041321
X09SFB13_1_99	3.53	0.36	0.0739	0.004	0.80873
X09SFB13_2_99	2.64	0.11	0.0678	0.0015	0.079725
X09SFB13_3_99	2.301	0.086	0.0651	0.0012	0.016218
X09SFB13_4_99	2.342	0.096	0.066	0.002	0.25945
X09SFB13_5_99	2.389	0.041	0.0647	0.0016	0.030312
X09SFB13_6_99	2.513	0.076	0.0664	0.0013	0.27578
X09SFB13_7_99	2.517	0.084	0.0677	0.0016	0.13419
X09SFB13_8_99	2.38	0.1	0.067	0.0018	0.65785
X09SFB13_9_99	2.06	0.1	0.0614	0.0014	0.31141
X09SFB13_10_99	1.786	0.076	0.0615	0.0018	0.063227
X09SFB13_11_99	1.619	0.048	0.0585	0.0013	0.40262
X09SFB13_12_99	1.539	0.038	0.0593	0.0013	0.24746
X09SFB13_1_100	2.08	0.11	0.06	0.0018	0.51719
X09SFB13_2_100	2.56	0.36	0.0612	0.0031	0.7562
X09SFB13_3_100	5.14	0.31	0.0828	0.0054	0.6076
X09SFB13_4_100	5.07	0.29	0.0856	0.0033	0.60648
X09SFB13_5_100	4.86	0.22	0.0831	0.0028	0.28804
X09SFB13_6_100	4.92	0.13	0.0767	0.0039	0.26035
X09SFB13_7_100	4.9	0.27	0.0767	0.0026	0.54961
X09SFB13_8_100	4.7	0.22	0.0784	0.0033	0.014609
X09SFB13_9_100	5.54	0.25	0.0804	0.0028	0.13045
X09SFB13_10_100	5.79	0.21	0.0822	0.0028	0.60794
X09SFB13_11_100	5.58	0.25	0.0856	0.0034	0.24258
X09SFB13_12_100	5.68	0.26	0.0864	0.0025	0.12293
X09SFB13_1_101	14.01	0.9	0.1721	0.0093	0.58897
X09SFB13_2_101	11.97	0.6	0.1503	0.0083	0.50609
X09SFB13_3_101	11.64	0.44	0.1435	0.0077	0.59938
X09SFB13_4_101	11.7	0.61	0.1414	0.0068	0.44817
X09SFB13_5_101	10.49	0.72	0.137	0.0049	0.15723
X09SFB13_6_101	9.03	0.56	0.1274	0.007	0.39774
X09SFB13_7_101	8.86	0.43	0.1196	0.0067	0.35003
X09SFB13_8_101	8.66	0.44	0.1179	0.007	0.074343
X09SFB13_9_101	9.49	0.47	0.1227	0.0066	0.088469

X09SFB13_10_101	10.7	0.44	0.1319	0.0056	0.4261
X09SFB13_11_101	10.96	0.48	0.1416	0.0057	0.371
X09SFB13_12_101	10.93	0.5	0.1369	0.0057	0.45604
X09SFB13_1_102	34.9	9.2	0.364	0.09	0.96085
X09SFB13_2_102	8.4	1.3	0.109	0.015	0.93312
X09SFB13_3_102	5.74	0.4	0.0904	0.0042	0.67978
X09SFB13_4_102	6	0.44	0.0899	0.0042	0.48079
X09SFB13_5_102	7.39	0.47	0.1068	0.0073	0.68928
X09SFB13_6_102	10.36	0.82	0.1392	0.0085	0.75262
X09SFB13_7_102	11.52	0.96	0.1438	0.0092	0.81036
X09SFB13_8_102	12.4	1.1	0.1408	0.0074	0.87317
X09SFB13_9_102	13.6	1.1	0.1597	0.0087	0.72411
X09SFB13_10_102	12.84	0.9	0.1561	0.0063	0.55549
X09SFB13_11_102	12.96	0.72	0.167	0.011	0.6981
X09SFB13_12_102	13.8	1.1	0.16	0.011	0.72872
X09SFB13_1_103	8.12	0.42	0.1269	0.0039	0.51701
X09SFB13_2_103	6.79	0.2	0.1143	0.003	0.21793
X09SFB13_3_103	6.37	0.24	0.111	0.0033	0.53818
X09SFB13_4_103	5.98	0.24	0.1047	0.004	0.53238
X09SFB13_5_103	5.76	0.19	0.1011	0.0033	0.58235
X09SFB13_6_103	5.45	0.23	0.1006	0.0035	0.714
X09SFB13_7_103	5.07	0.15	0.0993	0.0032	0.40889
X09SFB13_8_103	5.46	0.15	0.1012	0.0029	0.37443
X09SFB13_9_103	4.87	0.13	0.0943	0.002	0.43845
X09SFB13_10_103	4.56	0.11	0.0891	0.0026	0.29611
X09SFB13_11_103	4.7	0.14	0.0935	0.0029	0.20524
X09SFB13_12_103	4.67	0.16	0.089	0.0029	0.51437
X09SFB13_1_104	2.49	0.12	0.0637	0.0012	0.69348
X09SFB13_2_104	2.22	0.081	0.0651	0.0012	0.39249
X09SFB13_3_104	2.246	0.083	0.0638	0.0015	0.044178
X09SFB13_4_104	2.26	0.12	0.0656	0.0026	0.20528
X09SFB13_5_104	1.794	0.075	0.0608	0.0022	0.54758
X09SFB13_6_104	1.865	0.067	0.0604	0.0018	0.35828
X09SFB13_7_104	2.05	0.1	0.0648	0.0012	0.35451
X09SFB13_8_104	2.26	0.11	0.0651	0.0026	0.33782
X09SFB13_9_104	2.313	0.094	0.066	0.0019	0.58556
X09SFB13_10_104	2.36	0.12	0.0669	0.0016	0.208
X09SFB13_11_104	2.275	0.088	0.0635	0.0021	0.40089
X09SFB13_12_104	2.249	0.092	0.0637	0.0022	0.17183

X09SFB13_1_105	77	17	0.66	0.13	0.96029
X09SFB13_2_105	122	14	1.15	0.14	0.90153
X09SFB13_3_105	161	22	1.47	0.22	0.99289
X09SFB13_4_105	185	25	1.6	0.24	0.98641
X09SFB13_5_105	165	23	1.47	0.22	0.9917
X09SFB13_6_105	168	25	1.43	0.21	0.99403
X09SFB13_7_105	169	25	1.48	0.21	0.98342
X09SFB13_8_105	147	25	1.42	0.24	0.96724
X09SFB13_9_105	141	22	1.25	0.18	0.97741
X09SFB13_10_105	156	20	1.43	0.19	0.97926
X09SFB13_11_105	141	19	1.22	0.17	0.95617
X09SFB13_12_105	122	20	1.16	0.22	0.9855
X09SFB13_1_106	12.61	0.94	0.1532	0.0087	0.63681
X09SFB13_2_106	8.89	0.38	0.1293	0.0067	0.18096
X09SFB13_3_106	8.51	0.37	0.1174	0.0068	0.57375
X09SFB13_4_106	7.58	0.18	0.1085	0.0041	0.36651
X09SFB13_5_106	6.85	0.34	0.1059	0.0045	0.29762
X09SFB13_6_106	6.57	0.26	0.099	0.003	0.25228
X09SFB13_7_106	6.05	0.26	0.0918	0.004	0.44671
X09SFB13_8_106	5.4	0.14	0.0924	0.004	0.13964
X09SFB13_9_106	4.9	0.29	0.0867	0.0038	0.52179
X09SFB13_10_106	4.5	0.21	0.085	0.0032	0.29885
X09SFB13_11_106	4.38	0.17	0.0823	0.0035	0.36334
X09SFB13_12_106	4.5	0.14	0.0851	0.0037	0.2121
X09SFB13_1_107	69	10	0.65	0.1	0.92107
X09SFB13_2_107	43	3.8	0.414	0.037	0.84086
X09SFB13_3_107	38.5	2.9	0.356	0.024	0.63748
X09SFB13_4_107	44.6	3.7	0.445	0.034	0.66755
X09SFB13_5_107	75	10	0.69	0.11	0.86547
X09SFB13_6_107	107	16	0.99	0.11	0.82293
X09SFB13_7_107	139	31	1.38	0.45	0.96442
X09SFB13_8_107	132	22	1.26	0.32	0.9086
X09SFB13_9_107	168	50	1.48	0.4	0.95851
X09SFB13_10_107	256	85	2.08	0.69	0.94754
X09SFB13_11_107	320	170	2.5	1	0.99553
X09SFB13_1_108	3.04	0.12	0.0791	0.0024	0.23762
X09SFB13_2_108	3.31	0.13	0.0812	0.0022	0.41044
X09SFB13_3_108	2.5	0.27	0.07	0.0037	0.74427
X09SFB13_4_108	1.56	0.11	0.0605	0.0024	0.31794

X09SFB13_5_108	1.255	0.064	0.0577	0.0015	0.15609
X09SFB13_6_108	1.027	0.045	0.056	0.0019	0.4166
X09SFB13_7_108	0.956	0.029	0.0535	0.0018	0.28718
X09SFB13_8_108	0.911	0.038	0.0528	0.0012	0.55108
X09SFB13_9_108	1.026	0.03	0.0531	0.0015	0.083728
X09SFB13_10_108	1.066	0.046	0.0537	0.0018	0.39076
X09SFB13_11_108	1.025	0.031	0.0534	0.0013	0.14709
X09SFB13_12_108	0.992	0.032	0.05444	0.00076	0.25298
X09SFB13_1_109	39	6.5	0.361	0.061	0.93378
X09SFB13_2_109	54	13	0.51	0.14	0.92619
X09SFB13_3_109	48.5	4.4	0.482	0.049	0.92911
X09SFB13_4_109	42.3	2.3	0.427	0.035	0.72549
X09SFB13_5_109	40.1	2.7	0.376	0.029	0.10814
X09SFB13_6_109	35.6	2	0.353	0.014	0.50696
X09SFB13_7_109	34.2	1.7	0.322	0.015	0.30811
X09SFB13_8_109	30	1.9	0.321	0.022	0.81497
X09SFB13_9_109	27.4	1.6	0.288	0.017	0.64475
X09SFB13_10_109	28.1	1.4	0.304	0.016	0.60431
X09SFB13_11_109	25.9	1.5	0.267	0.022	0.4373
X09SFB13_12_109	24.7	1.2	0.262	0.017	0.54647
X09SFB33_1_1	13.5	1.4	0.159	0.014	0.90723
X09SFB33_2_1	7.71	0.55	0.1087	0.0061	0.88709
X09SFB33_3_1	6.81	0.21	0.0987	0.004	0.80484
X09SFB33_4_1	6.29	0.16	0.0953	0.0035	0.18565
X09SFB33_5_1	6.13	0.23	0.0969	0.004	0.41063
X09SFB33_6_1	5.69	0.17	0.0895	0.0034	0.10128
X09SFB33_7_1	5.45	0.18	0.0876	0.0027	0.55501
X09SFB33_8_1	5.61	0.17	0.0883	0.0035	0.4514
X09SFB33_9_1	5.51	0.22	0.0879	0.0035	0.067762
X09SFB33_10_1	5.39	0.22	0.0881	0.0032	0.18625
X09SFB33_11_1	5.47	0.17	0.092	0.0028	0.15266
X09SFB33_12_1	5.33	0.17	0.0868	0.0027	0.31184
X09SFB33_1_2	8.5	1.1	0.115	0.011	0.96409
X09SFB33_2_2	7.13	0.51	0.1058	0.0056	0.79991
X09SFB33_3_2	6.01	0.2	0.0928	0.0032	0.45756
X09SFB33_4_2	5.61	0.24	0.0879	0.004	0.74682
X09SFB33_5_2	6.19	0.31	0.0953	0.0038	0.69623
X09SFB33_6_2	6.16	0.2	0.0965	0.0039	0.17552
X09SFB33_7_2	4.24	0.76	0.0792	0.0072	0.91854

X09SFB33_8_2	17.7	2.9	0.198	0.025	0.97801
X09SFB33_9_2	9.4	1.9	0.123	0.019	0.97094
X09SFB33_10_2	6.78	0.21	0.0997	0.0043	0.52111
X09SFB33_11_2	5.4	0.56	0.0917	0.0051	0.8746
X09SFB33_12_2	4.84	0.51	0.0803	0.0054	0.49109
X09SFB33_1_3	5.97	0.41	0.0942	0.0037	0.59781
X09SFB33_2_3	6.64	0.21	0.1004	0.0026	0.40954
X09SFB33_3_3	6.68	0.31	0.102	0.0037	0.37338
X09SFB33_4_3	6.64	0.31	0.1034	0.0043	0.58964
X09SFB33_5_3	6.31	0.4	0.0991	0.0052	0.51384
X09SFB33_6_3	4.82	0.28	0.0844	0.0034	0.63828
X09SFB33_7_3	4.96	0.21	0.0861	0.0029	0.40555
X09SFB33_8_3	4.75	0.24	0.0923	0.0037	0.18679
X09SFB33_9_3	4.5	0.17	0.0919	0.0038	0.12943
X09SFB33_10_3	4.09	0.21	0.0773	0.0034	0.41308
X09SFB33_11_3	3.9	0.28	0.0777	0.0029	0.55018
X09SFB33_12_3	4.37	0.22	0.0853	0.0047	0.43076
X09SFB33_1_4	114	12	1.02	0.12	0.99763
X09SFB33_2_4	68.3	5.8	0.631	0.048	0.89856
X09SFB33_3_4	55.3	1.7	0.524	0.013	0.43164
X09SFB33_4_4	56.5	1.5	0.547	0.018	0.61296
X09SFB33_5_4	59.8	1.6	0.548	0.021	0.61344
X09SFB33_6_4	61.7	1.5	0.575	0.015	0.50081
X09SFB33_7_4	67.6	1.7	0.622	0.018	0.79534
X09SFB33_8_4	71.9	2.4	0.657	0.023	0.65612
X09SFB33_9_4	77.1	2.8	0.718	0.027	0.48514
X09SFB33_10_4	80.3	3	0.738	0.033	0.034239
X09SFB33_11_4	96.2	4.5	0.868	0.039	0.84137
X09SFB33_12_4	81.9	4.8	0.749	0.033	0.905
X09SFB33_1_5	23.7	2.2	0.264	0.021	0.88979
X09SFB33_2_5	16.66	0.96	0.206	0.01	0.91487
X09SFB33_3_5	17	1.9	0.209	0.014	0.96349
X09SFB33_4_5	13.3	0.59	0.1739	0.0074	0.48201
X09SFB33_5_5	11.51	0.32	0.1512	0.0059	0.16554
X09SFB33_6_5	12.82	0.51	0.1658	0.0082	0.33458
X09SFB33_7_5	14.21	0.52	0.1697	0.0066	0.40445
X09SFB33_8_5	14.27	0.5	0.1696	0.0058	0.086124
X09SFB33_9_5	13.84	0.5	0.1605	0.0051	0.573
X09SFB33_10_5	11.76	0.42	0.1517	0.0061	0.59604

X09SFB33_11_5	11.45	0.39	0.1421	0.0038	0.30935
X09SFB33_12_5	11.3	0.38	0.1399	0.0048	0.31294
X09SFB33_1_6	180	32	1.64	0.29	0.98637
X09SFB33_2_6	297	35	2.61	0.3	0.94285
X09SFB33_3_6	300	29	2.61	0.26	0.98464
X09SFB33_4_6	170	29	1.51	0.25	0.986
X09SFB33_5_6	75.2	3.3	0.698	0.042	0.90448
X09SFB33_6_6	57.1	4.3	0.546	0.038	0.84435
X09SFB33_7_6	51.8	1.8	0.481	0.016	0.47606
X09SFB33_8_6	49.5	3.6	0.464	0.036	0.90669
X09SFB33_9_6	42.5	1.7	0.404	0.018	0.54825
X09SFB33_10_6	40.5	2.2	0.389	0.017	0.49517
X09SFB33_11_6	45.1	3.1	0.425	0.018	0.58955
X09SFB33_12_6	53.1	2.3	0.499	0.03	0.63427
X09SFB33_1_7	60.1	2.2	0.571	0.021	0.8518
X09SFB33_2_7	85.8	3.8	0.769	0.025	0.91138
X09SFB33_3_7	107.9	4.1	0.943	0.042	0.94836
X09SFB33_4_7	140.6	5.5	1.18	0.039	0.95136
X09SFB33_5_7	171.2	5.4	1.457	0.047	0.93052
X09SFB33_6_7	201.8	4.2	1.696	0.036	0.90493
X09SFB33_7_7	211.9	4.5	1.814	0.035	0.90233
X09SFB33_8_7	207.4	4	1.781	0.037	0.82817
X09SFB33_9_7	210.5	3.9	1.799	0.035	0.75378
X09SFB33_10_7	212.9	3	1.813	0.023	0.76069
X09SFB33_11_7	214.8	5.4	1.827	0.051	0.91509
X09SFB33_12_7	220.8	7.4	1.858	0.063	0.91373
X09SFB33_1_8	24.04	0.87	0.2634	0.0085	0.14045
X09SFB33_2_8	23.21	0.59	0.2501	0.008	0.58471
X09SFB33_3_8	24.49	0.71	0.266	0.013	0.68464
X09SFB33_4_8	25.19	0.77	0.269	0.014	0.6453
X09SFB33_5_8	25.94	0.81	0.27	0.01	0.66854
X09SFB33_6_8	25.51	0.91	0.2661	0.0086	0.31182
X09SFB33_7_8	26.53	0.82	0.267	0.01	0.45307
X09SFB33_8_8	27.3	1.4	0.282	0.014	0.67001
X09SFB33_9_8	26.45	0.92	0.298	0.019	0.63493
X09SFB33_10_8	26.36	0.6	0.266	0.011	0.31945
X09SFB33_11_8	24.8	1.3	0.252	0.017	0.60251
X09SFB33_12_8	23.7	1.6	0.253	0.013	0.1645
X09SFB33_1_9	151	45	1.45	0.46	0.85954

X09SFB33_2_9	163	43	1.48	0.4	0.94855
X09SFB33_3_9	95	18	0.98	0.24	0.97174
X09SFB33_4_9	100	15	1.02	0.18	0.94687
X09SFB33_5_9	69.3	9.5	0.7	0.1	0.93241
X09SFB33_6_9	42.5	5.6	0.421	0.054	0.92731
X09SFB33_7_9	30.1	2.2	0.309	0.022	0.78563
X09SFB33_8_9	28.8	2.7	0.296	0.028	0.89193
X09SFB33_9_9	28.2	1.9	0.293	0.02	0.87119
X09SFB33_10_9	27.1	2.2	0.281	0.03	0.86301
X09SFB33_11_9	27.3	2	0.285	0.021	0.5441
X09SFB33_12_9	25.1	2	0.263	0.018	0.7104
X09SFB33_1_10	3.49	0.14	0.0776	0.0024	0.70324
X09SFB33_2_10	3.46	0.1	0.0753	0.0018	0.55528
X09SFB33_3_10	3.92	0.16	0.0773	0.0021	0.074074
X09SFB33_4_10	4.41	0.1	0.0796	0.0021	0.095206
X09SFB33_5_10	4.45	0.13	0.0852	0.0029	0.15128
X09SFB33_6_10	4.59	0.15	0.0864	0.003	0.092342
X09SFB33_7_10	4.68	0.17	0.0844	0.0019	0.19001
X09SFB33_8_10	4.67	0.21	0.0835	0.0027	0.42683
X09SFB33_9_10	4.39	0.12	0.0803	0.0027	0.24129
X09SFB33_10_10	4.35	0.13	0.0805	0.0021	0.27197
X09SFB33_11_10	4.74	0.22	0.0835	0.0019	0.01005
X09SFB33_12_10	5.21	0.25	0.0878	0.003	0.58108
X09SFB33_1_11	51.1	3.6	0.485	0.034	0.8261
X09SFB33_2_11	73.4	5.2	0.634	0.051	0.88458
X09SFB33_3_11	68.4	8.9	0.638	0.084	0.95018
X09SFB33_4_11	48.7	2.8	0.45	0.027	0.82329
X09SFB33_5_11	36	11	0.317	0.092	0.98642
X09SFB33_6_11	44.3	8.6	0.401	0.076	0.97284
X09SFB33_7_11	56	3.1	0.487	0.021	0.82571
X09SFB33_8_11	48.5	2	0.464	0.021	0.62411
X09SFB33_9_11	42.4	1.9	0.408	0.029	0.65892
X09SFB33_10_11	39	2.6	0.391	0.023	0.50437
X09SFB33_11_11	34.3	2.1	0.337	0.015	0.53922
X09SFB33_12_11	33.1	1.1	0.334	0.022	0.50199
X09SFB33_1_12	20	6.9	0.226	0.066	0.93866
X09SFB33_2_12	5.5	2.8	0.077	0.02	0.96459
X09SFB33_3_12	1.44	0.13	0.0613	0.0015	0.14731
X09SFB33_4_12	1.037	0.052	0.0637	0.0017	0.42973

X09SFB33_5_12	0.961	0.028	0.0687	0.0022	0.53946
X09SFB33_6_12	0.918	0.055	0.067	0.0027	0.79295
X09SFB33_7_12	0.776	0.042	0.056	0.0019	0.64196
X09SFB33_8_12	1.2	0.1	0.0589	0.0012	0.29557
X09SFB33_9_12	2.18	0.31	0.0617	0.0024	0.77691
X09SFB33_10_12	3.09	0.67	0.0737	0.0092	0.85368
X09SFB33_11_12	5.41	0.26	0.0864	0.0047	0.72626
X09SFB33_12_12	4.91	0.39	0.0815	0.0034	0.40852
X09SFB33_1_13	0.4024	0.0083	0.05317	0.0008	0.2168
X09SFB33_2_13	0.4029	0.0099	0.05278	0.00092	0.33593
X09SFB33_3_13	0.3924	0.0075	0.05275	0.00069	0.65967
X09SFB33_4_13	0.3893	0.005	0.05239	0.00094	0.28817
X09SFB33_5_13	0.399	0.008	0.05327	0.0007	0.16211
X09SFB33_6_13	0.39	0.01	0.0524	0.0011	0.6916
X09SFB33_7_13	0.393	0.0084	0.05227	0.00084	0.63168
X09SFB33_8_13	0.3961	0.0086	0.05336	0.00074	0.50717
X09SFB33_9_13	0.4006	0.0077	0.05394	0.00086	0.51988
X09SFB33_10_13	0.4035	0.007	0.05407	0.00092	0.28258
X09SFB33_11_13	0.4168	0.0083	0.05476	0.0006	0.06544
X09SFB33_12_13	0.434	0.01	0.05325	0.00063	0.084357
X09SFB33_1_14	7.34	0.27	0.1181	0.0042	0.5646
X09SFB33_2_14	6.27	0.25	0.1087	0.0023	0.48832
X09SFB33_3_14	5.2	0.15	0.1031	0.0028	0.61382
X09SFB33_4_14	4.93	0.092	0.0961	0.0016	0.63337
X09SFB33_5_14	4.14	0.31	0.0847	0.0032	0.87972
X09SFB33_6_14	4.31	0.21	0.0882	0.0026	0.76069
X09SFB33_7_14	4.624	0.074	0.091	0.0019	0.59624
X09SFB33_8_14	4.55	0.13	0.0955	0.0017	0.21993
X09SFB33_9_14	4.35	0.13	0.0879	0.0016	0.19829
X09SFB33_10_14	4.12	0.17	0.0863	0.0016	0.033294
X09SFB33_11_14	4.04	0.12	0.0853	0.0023	0.46558
X09SFB33_12_14	3.89	0.12	0.0822	0.002	0.60162
X09SFB33_1_15	30.89	0.86	0.314	0.011	0.86779
X09SFB33_2_15	30.1	1.3	0.318	0.014	0.64155
X09SFB33_3_15	30.8	1.8	0.318	0.02	0.83786
X09SFB33_4_15	28.6	1.2	0.298	0.015	0.5023
X09SFB33_5_15	30.2	1.3	0.301	0.01	0.30451
X09SFB33_6_15	29.2	1	0.292	0.012	0.41708
X09SFB33_7_15	30.7	1.3	0.302	0.013	0.70834

X09SFB33_8_15	31.8	1.2	0.318	0.012	0.44887
X09SFB33_9_15	32.1	1.1	0.309	0.012	0.60341
X09SFB33_10_15	32.5	1.5	0.32	0.014	0.70572
X09SFB33_11_15	33.2	1.2	0.326	0.013	0.36088
X09SFB33_12_15	36.6	1.3	0.357	0.015	0.67025
X09SFB33_1_16	7.9	0.52	0.1201	0.0058	0.87036
X09SFB33_2_16	6.4	0.25	0.1057	0.0033	0.54664
X09SFB33_3_16	6.25	0.2	0.1053	0.0026	0.15047
X09SFB33_4_16	6.83	0.36	0.1146	0.0035	0.47375
X09SFB33_5_16	7.71	0.22	0.1167	0.0048	0.41622
X09SFB33_6_16	8.24	0.28	0.1249	0.0035	0.14425
X09SFB33_7_16	8.69	0.29	0.1331	0.0044	0.38996
X09SFB33_8_16	8.67	0.31	0.1258	0.0058	0.54506
X09SFB33_9_16	7.62	0.37	0.1097	0.003	0.44309
X09SFB33_10_16	7.17	0.23	0.1089	0.0023	0.39838
X09SFB33_11_16	8	0.54	0.1192	0.0067	0.74337
X09SFB33_12_16	9.12	0.2	0.1295	0.0057	0.11963
X09SFB33_1_17	79	10	0.78	0.11	0.88148
X09SFB33_2_17	48	3.9	0.438	0.041	0.82275
X09SFB33_3_17	44.2	3.1	0.408	0.033	0.69175
X09SFB33_4_17	45.2	3.3	0.411	0.03	0.42944
X09SFB33_5_17	43.5	2.8	0.424	0.024	0.54377
X09SFB33_6_17	40.6	1.6	0.383	0.019	0.36074
X09SFB33_7_17	39	2.7	0.384	0.027	0.6372
X09SFB33_8_17	37.2	1.6	0.376	0.02	0.74772
X09SFB33_9_17	37.3	1.3	0.35	0.02	0.5687
X09SFB33_10_17	37.4	1.9	0.362	0.02	0.71303
X09SFB33_11_17	40.3	1.9	0.36	0.021	0.62851
X09SFB33_12_17	41.1	2.2	0.37	0.017	0.69862
X09SFB33_1_18	221	21	2	0.16	0.91272
X09SFB33_2_18	188	12	1.66	0.11	0.91294
X09SFB33_3_18	201	15	1.76	0.13	0.90871
X09SFB33_4_18	183	8.4	1.66	0.098	0.868
X09SFB33_5_18	172	7.5	1.528	0.049	0.44346
X09SFB33_6_18	168.5	8.4	1.468	0.074	0.87546
X09SFB33_7_18	175.1	9	1.542	0.067	0.881
X09SFB33_8_18	176.5	8.7	1.564	0.073	0.76884
X09SFB33_9_18	188	11	1.664	0.082	0.93232
X09SFB33_10_18	186.5	7.4	1.643	0.084	0.89705

X09SFB33_11_18	186.3	7	1.599	0.061	0.85246
X09SFB33_12_18	181.9	8.1	1.579	0.063	0.73835
X09SFB33_1_19	138.1	8.6	1.248	0.085	0.85445
X09SFB33_2_19	148	12	1.29	0.11	0.9296
X09SFB33_3_19	135	11	1.155	0.09	0.94983
X09SFB33_4_19	147	13	1.27	0.11	0.98362
X09SFB33_5_19	128.2	9	1.144	0.075	0.98572
X09SFB33_6_19	130.7	8.7	1.157	0.078	0.78648
X09SFB33_7_19	125.3	8.8	1.05	0.073	0.75538
X09SFB33_8_19	131.6	9.4	1.098	0.08	0.93032
X09SFB33_9_19	133	10	1.184	0.094	0.89254
X09SFB33_10_19	125.7	6.4	1.121	0.076	0.82643
X09SFB33_11_19	116.9	7.6	0.998	0.063	0.79764
X09SFB33_12_19	107.9	6.1	0.959	0.064	0.77205
X09SFB33_1_20	4.08	0.11	0.0875	0.002	0.038118
X09SFB33_2_20	5.33	0.64	0.0955	0.006	0.98576
X09SFB33_3_20	9.8	3.2	0.137	0.029	0.99307
X09SFB33_4_20	6.63	0.39	0.1037	0.0031	0.71882
X09SFB33_5_20	7.84	0.22	0.1173	0.0033	0.10091
X09SFB33_6_20	8.18	0.28	0.1169	0.0031	0.52909
X09SFB33_7_20	8.74	0.19	0.1238	0.0041	0.12722
X09SFB33_8_20	8.07	0.22	0.1119	0.0043	0.12851
X09SFB33_9_20	7.29	0.2	0.107	0.0042	0.19128
X09SFB33_10_20	7.72	0.27	0.1083	0.0045	0.064418
X09SFB33_11_20	7.59	0.12	0.1079	0.0034	0.37016
X09SFB33_12_20	7.58	0.17	0.1081	0.0029	0.17762
X09SFB33_1_21	25	2.3	0.246	0.018	0.67755
X09SFB33_2_21	20.9	2.2	0.217	0.02	0.89187
X09SFB33_3_21	20.2	1.9	0.215	0.023	0.84673
X09SFB33_4_21	18.55	0.61	0.195	0.013	0.63899
X09SFB33_5_21	20.7	1.4	0.213	0.015	0.49329
X09SFB33_6_21	17.6	1.4	0.187	0.014	0.67818
X09SFB33_7_21	18.8	1.5	0.205	0.015	0.82604
X09SFB33_8_21	17.5	1.9	0.188	0.019	0.82582
X09SFB33_9_21	17.01	0.98	0.19	0.014	0.46694
X09SFB33_10_21	41	12	0.42	0.12	0.98252
X09SFB33_11_21	40	11	0.38	0.091	0.98868
X09SFB33_12_21	20.7	1.5	0.217	0.019	0.75028
X09SFB33_1_22	5.41	0.29	0.0934	0.0028	0.35838

X09SFB33_2_22	6.68	0.3	0.1056	0.0026	0.33522
X09SFB33_3_22	7.27	0.22	0.1107	0.0026	0.49316
X09SFB33_4_22	8.09	0.22	0.1183	0.0038	0.28889
X09SFB33_5_22	8.61	0.21	0.121	0.0033	0.38612
X09SFB33_6_22	8.52	0.18	0.1215	0.0035	0.45057
X09SFB33_7_22	8.92	0.22	0.1202	0.0035	0.25452
X09SFB33_8_22	9.17	0.25	0.1223	0.0031	0.32282
X09SFB33_9_22	9.66	0.34	0.1222	0.0032	0.20306
X09SFB33_10_22	9.7	0.3	0.1262	0.0031	0.22091
X09SFB33_11_22	10.86	0.43	0.1324	0.0043	0.61226
X09SFB33_12_22	11.78	0.32	0.1458	0.0047	0.61318
X09SFB33_1_23	31.13	0.67	0.3126	0.0098	0.52411
X09SFB33_2_23	31.61	0.67	0.3112	0.0074	0.46699
X09SFB33_3_23	30.57	0.89	0.307	0.011	0.6854
X09SFB33_4_23	31.8	1.4	0.31	0.014	0.86574
X09SFB33_5_23	27.4	1.2	0.277	0.012	0.76343
X09SFB33_6_23	26.38	0.5	0.2704	0.0072	0.10768
X09SFB33_7_23	26.42	0.67	0.2626	0.0077	0.24089
X09SFB33_8_23	27.9	1.3	0.278	0.012	0.7731
X09SFB33_9_23	24.65	0.88	0.251	0.01	0.88476
X09SFB33_10_23	24.6	1.4	0.248	0.014	0.85591
X09SFB33_11_23	29.6	1.9	0.288	0.015	0.87663
X09SFB33_12_23	35.3	5	0.341	0.047	0.98426
X09SFB33_1_24	28.7	2.4	0.289	0.014	0.95176
X09SFB33_2_24	19.4	2	0.204	0.016	0.94404
X09SFB33_3_24	17	1.5	0.19	0.014	0.87654
X09SFB33_4_24	14.1	1.3	0.161	0.012	0.93905
X09SFB33_5_24	13.9	2.5	0.167	0.022	0.97739
X09SFB33_6_24	11.17	0.66	0.1386	0.0067	0.71906
X09SFB33_7_24	11.09	0.72	0.1446	0.0075	0.52306
X09SFB33_8_24	10.29	0.56	0.1386	0.0061	0.35638
X09SFB33_9_24	9.77	0.28	0.1249	0.0056	0.28524
X09SFB33_10_24	9.99	0.26	0.1293	0.0052	0.10278
X09SFB33_11_24	9.97	0.43	0.1283	0.0056	0.14058
X09SFB33_12_24	9.73	0.39	0.1277	0.0051	0.41556
X09SFB33_1_25	38.2	2.4	0.35	0.021	0.92814
X09SFB33_2_25	25.8	3.2	0.263	0.026	0.93434
X09SFB33_3_25	18.1	1.8	0.199	0.018	0.94084
X09SFB33_4_25	15.2	1.1	0.176	0.015	0.9343

X09SFB33_5_25	18.1	2	0.204	0.018	0.9567
X09SFB33_6_25	19.2	1.2	0.211	0.015	0.78164
X09SFB33_7_25	13.6	1.5	0.166	0.015	0.96403
X09SFB33_8_25	16.5	1.8	0.197	0.017	0.96072
X09SFB33_9_25	14.8	1	0.18	0.011	0.87357
X09SFB33_10_25	17.3	1.5	0.207	0.016	0.93845
X09SFB33_11_25	16	2.4	0.194	0.02	0.97647
X09SFB33_12_25	17.1	1.6	0.205	0.015	0.94407
X09SFB33_1_26	23	1	0.232	0.012	0.89765
X09SFB33_2_26	20.7	0.67	0.2102	0.0051	0.55139
X09SFB33_3_26	17.73	0.44	0.1909	0.0063	0.56969
X09SFB33_4_26	15.82	0.36	0.1701	0.0058	0.4063
X09SFB33_5_26	14.93	0.39	0.1697	0.0049	0.43779
X09SFB33_6_26	15.63	0.51	0.1691	0.0043	0.24678
X09SFB33_7_26	15.51	0.36	0.1708	0.0056	0.60833
X09SFB33_8_26	16.57	0.52	0.1732	0.0039	0.49329
X09SFB33_9_26	14.78	0.66	0.164	0.0054	0.7551
X09SFB33_10_26	12.67	0.59	0.1426	0.0064	0.67617
X09SFB33_11_26	15.4	0.48	0.1684	0.008	0.66005
X09SFB33_12_26	16.28	0.49	0.1823	0.0068	0.70501
X09SFB33_1_27	298	23	2.66	0.23	0.83779
X09SFB33_2_27	318	23	2.8	0.25	0.94968
X09SFB33_3_27	292	20	2.6	0.18	0.87076
X09SFB33_4_27	306	15	2.67	0.16	0.66565
X09SFB33_5_27	321	27	2.69	0.19	0.88168
X09SFB33_6_27	279	16	2.49	0.13	0.83432
X09SFB33_7_27	301	25	2.54	0.15	0.81656
X09SFB33_8_27	293	25	2.58	0.19	0.86242
X09SFB33_9_27	282	16	2.58	0.2	0.84076
X09SFB33_10_27	380	81	2.99	0.48	0.97825
X09SFB33_11_27	304	21	2.61	0.19	0.91728
X09SFB33_12_27	271	23	2.35	0.19	0.87806
X09SFB33_1_28	62.6	3.6	0.595	0.041	0.58758
X09SFB33_2_28	42.2	5.1	0.41	0.043	0.89246
X09SFB33_3_28	27.5	2.3	0.293	0.022	0.91792
X09SFB33_4_28	17.86	0.67	0.2056	0.0087	0.86966
X09SFB33_5_28	16.8	1.3	0.194	0.011	0.85174
X09SFB33_6_28	19.73	0.91	0.2175	0.0098	0.71659
X09SFB33_7_28	20.7	1.1	0.228	0.012	0.85645

X09SFB33_8_28	25.5	1.1	0.2635	0.0073	0.69894
X09SFB33_9_28	28.28	0.85	0.2829	0.0074	0.37145
X09SFB33_10_28	29.28	0.72	0.2901	0.0062	0.013618
X09SFB33_11_28	28.82	0.62	0.2906	0.0072	0.46662
X09SFB33_12_28	27.5	1.3	0.2792	0.0089	0.64246
X09SFB33_1_29	20.88	0.59	0.222	0.012	0.57021
X09SFB33_2_29	19.66	0.53	0.2121	0.0064	0.34448
X09SFB33_3_29	19.17	0.76	0.2089	0.0083	0.60072
X09SFB33_4_29	21.4	2.9	0.229	0.026	0.9656
X09SFB33_5_29	17.42	0.49	0.1989	0.0092	0.83792
X09SFB33_6_29	16.85	0.64	0.1953	0.0071	0.36122
X09SFB33_7_29	17.2	0.65	0.1837	0.0074	0.42617
X09SFB33_8_29	15.49	0.64	0.1794	0.0069	0.55198
X09SFB33_9_29	16.81	0.69	0.1922	0.0073	0.63465
X09SFB33_10_29	17.3	1.2	0.196	0.015	0.72701
X09SFB33_11_29	15.94	0.49	0.1804	0.0076	0.52785
X09SFB33_12_29	15.78	0.5	0.1704	0.0072	0.30395
X09SFB33_1_30	69.2	6.3	0.682	0.063	0.94878
X09SFB33_2_30	105	5.9	1.002	0.057	0.92476
X09SFB33_3_30	128	2.9	1.239	0.043	0.72429
X09SFB33_4_30	105.6	8.9	1.026	0.084	0.94417
X09SFB33_5_30	69.8	3.3	0.685	0.032	0.90447
X09SFB33_6_30	35.8	6.3	0.378	0.057	0.99151
X09SFB33_7_30	14.5	1.9	0.186	0.019	0.98849
X09SFB33_8_30	7.03	0.46	0.1149	0.005	0.95199
X09SFB33_9_30	6.19	0.23	0.1069	0.0034	0.83679
X09SFB33_10_30	6.44	0.21	0.107	0.0028	0.78856
X09SFB33_11_30	6.19	0.17	0.103	0.0021	0.90771
X09SFB33_12_30	6.56	0.13	0.1069	0.0022	0.87293
X09SFB33_1_31	34	1.2	0.351	0.014	0.52591
X09SFB33_2_31	35	1.2	0.336	0.01	0.41337
X09SFB33_3_31	32.7	1	0.3259	0.0087	0.41917
X09SFB33_4_31	29.3	1.6	0.291	0.015	0.85284
X09SFB33_5_31	23.5	1.2	0.238	0.011	0.84915
X09SFB33_6_31	15.3	1.9	0.181	0.014	0.97768
X09SFB33_7_31	10.7	0.43	0.1454	0.0035	0.35726
X09SFB33_8_31	10.47	0.27	0.1413	0.004	0.41571
X09SFB33_9_31	10.62	0.3	0.1446	0.0042	0.21593
X09SFB33_10_31	12.43	0.46	0.1651	0.0086	0.71694

X09SFB33_11_31	13.51	0.42	0.1657	0.0046	0.50628
X09SFB33_12_31	12.96	0.67	0.1591	0.0076	0.61149
X09SFB33_1_32	81	13	0.84	0.14	0.91721
X09SFB33_2_32	159	32	1.47	0.32	0.99412
X09SFB33_3_32	145	14	1.33	0.14	0.9947
X09SFB33_4_32	143	21	1.26	0.16	0.9391
X09SFB33_5_32	51	16	0.52	0.16	0.9704
X09SFB33_6_32	11	1.6	0.141	0.012	0.95854
X09SFB33_7_32	7.29	0.41	0.1103	0.0044	0.49702
X09SFB33_8_32	6.38	0.24	0.1023	0.0046	0.36554
X09SFB33_9_32	6.86	0.23	0.1055	0.0028	0.30904
X09SFB33_10_32	7.37	0.29	0.1124	0.0041	0.29682
X09SFB33_11_32	7.15	0.36	0.1049	0.0045	0.51217
X09SFB33_12_32	7.3	0.36	0.1087	0.005	0.3785
X09SFB33_1_33	277	16	2.39	0.14	0.91902
X09SFB33_2_33	344	23	2.94	0.18	0.94884
X09SFB33_3_33	502	47	4.14	0.36	0.98203
X09SFB33_4_33	631	51	5.02	0.33	0.97765
X09SFB33_5_33	635	42	5.38	0.32	0.88994
X09SFB33_6_33	734	69	6.27	0.59	0.98139
X09SFB33_7_33	738	66	6.27	0.53	0.97718
X09SFB33_8_33	839	79	7.01	0.65	0.96249
X09SFB33_9_33	819	61	6.86	0.52	0.979
X09SFB33_10_33	970	110	8.1	0.99	0.98257
X09SFB33_11_33	1010	170	8.1	1.1	0.98901
X09SFB33_12_33	550	170	4.5	1.3	0.99635
X09SFB33_1_35	37.7	2.5	0.37	0.028	0.82791
X09SFB33_2_35	25	1.8	0.249	0.014	0.73131
X09SFB33_3_35	21.07	0.97	0.2225	0.0087	0.41718
X09SFB33_4_35	18.55	0.78	0.1988	0.0074	0.48416
X09SFB33_5_35	16.51	0.65	0.1875	0.0088	0.66979
X09SFB33_6_35	16.03	0.5	0.1892	0.0058	0.38264
X09SFB33_7_35	15.67	0.47	0.1847	0.0067	0.28751
X09SFB33_8_35	16.39	0.58	0.1846	0.0083	0.60022
X09SFB33_9_35	16.15	0.32	0.1855	0.0075	0.72561
X09SFB33_10_35	15.45	0.57	0.1819	0.007	0.60625
X09SFB33_11_35	16.03	0.54	0.1818	0.0055	0.014934
X09SFB33_12_35	16.29	0.67	0.1848	0.0063	0.26232
X09SFB33_1_36	5.06	0.39	0.0913	0.0043	0.75059

X09SFB33_2_36	6.46	0.63	0.1024	0.0041	0.79941
X09SFB33_3_36	8.82	0.26	0.1241	0.0051	0.30246
X09SFB33_4_36	9.2	0.31	0.1226	0.0036	0.33431
X09SFB33_5_36	9.8	0.4	0.1257	0.0041	0.20524
X09SFB33_6_36	9.27	0.33	0.1248	0.0046	0.58707
X09SFB33_7_36	8.9	0.31	0.12	0.0029	0.11059
X09SFB33_8_36	8.43	0.34	0.1143	0.0035	0.20188
X09SFB33_9_36	7.99	0.25	0.111	0.0043	0.21276
X09SFB33_10_36	7.67	0.24	0.1093	0.0036	0.32848
X09SFB33_11_36	7.47	0.18	0.1068	0.0032	0.26864
X09SFB33_12_36	7.4	0.25	0.1021	0.0029	0.064338
X09SFB33_1_37	6.28	0.48	0.0934	0.0041	0.65241
X09SFB33_2_37	4.41	0.25	0.0823	0.0029	0.41031
X09SFB33_3_37	3.59	0.17	0.075	0.0022	0.53533
X09SFB33_4_37	2.78	0.16	0.0689	0.0024	0.56947
X09SFB33_5_37	2.23	0.11	0.0638	0.0023	0.16041
X09SFB33_6_37	2.034	0.073	0.0622	0.0014	0.088691
X09SFB33_7_37	1.842	0.066	0.0599	0.0016	0.016577
X09SFB33_8_37	1.686	0.075	0.0579	0.0022	0.50183
X09SFB33_9_37	1.592	0.044	0.056	0.002	0.20082
X09SFB33_10_37	1.547	0.061	0.0553	0.002	0.12068
X09SFB33_11_37	1.496	0.046	0.057	0.0017	0.28118
X09SFB33_12_37	1.411	0.039	0.0563	0.0014	0.42567
X09SFB33_1_38	21.32	0.69	0.2453	0.0093	0.58615
X09SFB33_2_38	17.12	0.73	0.1928	0.008	0.81749
X09SFB33_3_38	11.64	0.85	0.1392	0.0097	0.89036
X09SFB33_4_38	9.82	0.32	0.1258	0.004	0.14013
X09SFB33_5_38	9.96	0.25	0.1313	0.0043	0.060018
X09SFB33_6_38	10.38	0.39	0.1318	0.0032	0.17742
X09SFB33_7_38	10.8	0.42	0.1392	0.004	0.62229
X09SFB33_8_38	11	0.41	0.1406	0.005	0.30261
X09SFB33_9_38	11.45	0.22	0.142	0.0037	0.20637
X09SFB33_10_38	11.12	0.37	0.1382	0.0028	0.51059
X09SFB33_11_38	11.04	0.36	0.1372	0.004	0.31911
X09SFB33_12_38	10.97	0.32	0.1374	0.0041	0.43956
X09SFB33_1_39	2.02	0.22	0.0677	0.0023	0.7744
X09SFB33_2_39	1.461	0.062	0.0603	0.0021	0.56576
X09SFB33_3_39	1.271	0.043	0.0586	0.0019	0.21007
X09SFB33_4_39	1.207	0.026	0.0558	0.0013	0.6004

X09SFB33_5_39	1.195	0.034	0.0558	0.0013	0.28657
X09SFB33_6_39	1.274	0.047	0.0556	0.0011	0.38226
X09SFB33_7_39	1.331	0.059	0.0542	0.0015	0.72164
X09SFB33_8_39	1.37	0.045	0.0553	0.0012	0.4437
X09SFB33_9_39	1.425	0.045	0.0564	0.0011	0.30359
X09SFB33_10_39	1.509	0.054	0.0574	0.0013	0.1934
X09SFB33_11_39	1.504	0.057	0.0556	0.0016	0.29937
X09SFB33_12_39	1.502	0.058	0.0561	0.0015	0.17902
X09SFB33_1_40	9.93	0.81	0.1274	0.0075	0.8379
X09SFB33_2_40	8.36	0.4	0.1126	0.0031	0.55439
X09SFB33_3_40	7.45	0.32	0.1088	0.0023	0.75442
X09SFB33_4_40	7.27	0.21	0.1092	0.0025	0.35898
X09SFB33_5_40	6.92	0.22	0.1047	0.0026	0.30303
X09SFB33_6_40	6.92	0.25	0.1026	0.002	0.4101
X09SFB33_7_40	7.09	0.26	0.1063	0.003	0.16554
X09SFB33_8_40	7.13	0.23	0.1051	0.003	0.090705
X09SFB33_9_40	7.1	0.21	0.1084	0.0043	0.42434
X09SFB33_10_40	6.77	0.21	0.1067	0.0043	0.39786
X09SFB33_11_40	6.69	0.18	0.1039	0.0035	0.0046711
X09SFB33_12_40	6.27	0.16	0.0993	0.0028	0.28951
X09SFB33_1_41	630	140	5.6	1.5	0.9781
X09SFB33_3_42	203	23	1.86	0.24	0.98303
X09SFB33_4_42	400	340	3.1	2.8	0.98562
X09SFB33_5_42	520	470	4.2	4	0.99819
X09SFB33_6_42	650	340	5.4	2.9	0.99174
X09SFB33_7_42	530	250	4.4	2	0.99346
X09SFB33_8_42	420	69	3.62	0.67	0.99401
X09SFB33_9_42	270	20	2.31	0.22	0.97755
X09SFB33_10_42	230	18	1.94	0.15	0.91096
X09SFB33_11_42	193	12	1.65	0.11	0.87951
X09SFB33_12_42	160	8.5	1.415	0.077	0.91464
X09SFB33_1_43	169	22	1.47	0.2	0.94552
X09SFB33_2_43	163	28	1.34	0.19	0.95635
X09SFB33_3_43	122	13	1.1	0.11	0.93289
X09SFB33_4_43	120	11	1.057	0.076	0.89646
X09SFB33_5_43	132	11	1.17	0.13	0.89395
X09SFB33_6_43	131	12	1.16	0.12	0.91795
X09SFB33_7_43	141	13	1.24	0.12	0.94772
X09SFB33_8_43	120	20	1.07	0.18	0.9516

X09SFB33_9_43	72.9	5.2	0.64	0.045	0.88433
X09SFB33_10_43	67.8	4.8	0.607	0.048	0.54114
X09SFB33_11_43	62.8	4.9	0.577	0.031	0.67924
X09SFB33_12_43	68	6.4	0.591	0.047	0.67325
X09SFB33_1_44	5.43	0.3	0.0964	0.0048	0.75081
X09SFB33_2_44	4.17	0.17	0.087	0.0035	0.31899
X09SFB33_3_44	3.61	0.14	0.0794	0.0028	0.51562
X09SFB33_4_44	3.13	0.13	0.0745	0.0017	0.46947
X09SFB33_5_44	2.736	0.079	0.0744	0.002	0.48075
X09SFB33_6_44	2.687	0.073	0.0707	0.0019	0.41335
X09SFB33_7_44	2.521	0.085	0.0691	0.002	0.54092
X09SFB33_8_44	2.357	0.052	0.0683	0.0017	0.52834
X09SFB33_9_44	2.25	0.07	0.0659	0.0017	0.52471
X09SFB33_10_44	2.264	0.065	0.0669	0.0016	0.35823
X09SFB33_11_44	2.218	0.087	0.0665	0.0014	0.24047
X09SFB33_12_44	2.227	0.096	0.0674	0.0014	0.41904
X09SFB33_1_45	2.98	0.25	0.081	0.0029	0.84132
X09SFB33_2_45	2.746	0.071	0.0805	0.0016	0.21441
X09SFB33_3_45	2.98	0.1	0.0838	0.0013	0.6832
X09SFB33_4_45	3.185	0.08	0.0861	0.0016	0.24349
X09SFB33_5_45	3.213	0.079	0.0853	0.0016	0.27816
X09SFB33_6_45	3.032	0.052	0.0829	0.0019	0.31741
X09SFB33_7_45	3.081	0.08	0.0832	0.0022	0.61006
X09SFB33_8_45	3.267	0.071	0.0857	0.0017	0.18664
X09SFB33_9_45	3.34	0.11	0.083	0.0019	0.29344
X09SFB33_10_45	3.39	0.13	0.0824	0.0023	0.39778
X09SFB33_11_45	3.75	0.11	0.0858	0.0014	0.34654
X09SFB33_12_45	3.75	0.12	0.0852	0.0014	0.47528
X09SFB33_1_46	203	20	1.8	0.21	0.95334
X09SFB33_2_46	216	29	1.95	0.29	0.95109
X09SFB33_3_46	95	11	0.83	0.096	0.98742
X09SFB33_4_46	37.5	7.2	0.385	0.069	0.99258
X09SFB33_5_46	18.54	0.83	0.2062	0.0086	0.95572
X09SFB33_6_46	13.6	1	0.1638	0.0085	0.96059
X09SFB33_7_46	9.22	0.57	0.1254	0.0042	0.89962
X09SFB33_8_46	6.6	0.67	0.1011	0.006	0.9399
X09SFB33_9_46	3.27	0.38	0.0774	0.0031	0.82236
X09SFB33_10_46	2.072	0.061	0.0637	0.0015	0.28191
X09SFB33_11_46	2.043	0.039	0.066	0.0013	0.052817

X09SFB33_12_46	2.19	0.13	0.0673	0.0017	0.42612
X09SFB33_1_47	92.7	6	0.852	0.057	0.90333
X09SFB33_2_47	87.3	3.7	0.796	0.031	0.64598
X09SFB33_3_47	85	3.7	0.773	0.034	0.74362
X09SFB33_4_47	90.6	4	0.787	0.036	0.75996
X09SFB33_5_47	80.2	4.1	0.703	0.035	0.87529
X09SFB33_6_47	72.6	2	0.663	0.031	0.62422
X09SFB33_7_47	75.5	3.4	0.668	0.025	0.70542
X09SFB33_8_47	77.2	4.1	0.667	0.028	0.78555
X09SFB33_9_47	86.2	3.3	0.72	0.028	0.94606
X09SFB33_10_47	88.3	4.8	0.796	0.054	0.90179
X09SFB33_11_47	93.7	5.8	0.862	0.055	0.90386
X09SFB33_12_47	87.3	6.2	0.778	0.062	0.92182
X09SFB33_1_48	143.9	8.5	1.332	0.088	0.79036
X09SFB33_2_48	125.5	5.8	1.19	0.04	0.8845
X09SFB33_3_48	93	12	0.89	0.12	0.97187
X09SFB33_4_48	30.5	6.8	0.304	0.052	0.9762
X09SFB33_5_48	13.28	0.85	0.1613	0.0068	0.75059
X09SFB33_6_48	10.77	0.44	0.1448	0.0049	0.46082
X09SFB33_7_48	8.76	0.57	0.1305	0.0058	0.66784
X09SFB33_8_48	6.66	0.33	0.1108	0.0037	0.71034
X09SFB33_9_48	6.05	0.18	0.1028	0.0024	0.62242
X09SFB33_10_48	5.7	0.22	0.1002	0.003	0.70625
X09SFB33_11_48	4.68	0.15	0.0933	0.0023	0.63565
X09SFB33_12_48	4.49	0.18	0.0895	0.0029	0.43078
X09SFB14_1_3	8.22	0.19	0.0832	0.003	0.10756
X09SFB14_2_3	7.95	0.26	0.0803	0.003	0.51605
X09SFB14_3_3	7.99	0.19	0.0784	0.0024	0.2389
X09SFB14_4_3	8.25	0.28	0.0786	0.003	0.38436
X09SFB14_5_3	8.5	0.29	0.0798	0.0023	0.71075
X09SFB14_6_3	8.7	0.19	0.0824	0.0028	0.31768
X09SFB14_7_3	8.71	0.2	0.0815	0.0039	0.54488
X09SFB14_8_3	9.32	0.4	0.0897	0.003	0.46549
X09SFB14_9_3	10.82	0.37	0.1024	0.0043	0.50461
X09SFB14_10_3	11.14	0.24	0.1038	0.004	0.36714
X09SFB14_11_3	8.7	0.81	0.0813	0.0089	0.92813
X09SFB14_12_3	10.55	0.38	0.0995	0.0036	0.67869
X09SFB14_1_4	9.6	2.4	0.156	0.027	0.95837
X09SFB14_2_4	3.38	0.4	0.0841	0.0077	0.46399

X09SFB14_3_4	2.39	0.15	0.0738	0.0027	0.66781
X09SFB14_4_4	2.56	0.13	0.0709	0.003	0.60173
X09SFB14_5_4	2.65	0.11	0.0701	0.003	0.36424
X09SFB14_6_4	2.68	0.11	0.0713	0.003	0.56121
X09SFB14_7_4	2.88	0.13	0.0744	0.004	0.61156
X09SFB14_8_4	2.94	0.19	0.0753	0.0032	0.60162
X09SFB14_9_4	3.32	0.18	0.0844	0.0031	0.56643
X09SFB14_10_4	3.54	0.18	0.0843	0.0026	0.34534
X09SFB14_11_4	3.41	0.19	0.0827	0.0024	0.57495
X09SFB14_12_4	3.414	0.092	0.0832	0.0026	0.31835
X09SFB14_1_5	27.9	2.7	0.293	0.027	0.83751
X09SFB14_2_5	20.41	0.98	0.22	0.013	0.398
X09SFB14_3_5	14	1	0.1647	0.0089	0.52032
X09SFB14_4_5	10.34	0.5	0.1297	0.0052	0.41828
X09SFB14_5_5	9.98	0.38	0.1318	0.0052	0.28585
X09SFB14_6_5	9.38	0.43	0.1232	0.0056	0.58158
X09SFB14_7_5	9.43	0.64	0.1267	0.0062	0.93651
X09SFB14_8_5	9.97	0.76	0.1349	0.0091	0.83492
X09SFB14_9_5	9.4	0.42	0.13	0.0051	0.12936
X09SFB14_10_5	9.65	0.38	0.1313	0.0027	0.046003
X09SFB14_11_5	9.16	0.35	0.1314	0.004	0.054645
X09SFB14_12_5	9.61	0.39	0.1257	0.0051	0.3089
X09SFB14_1_6	8.99	0.41	0.1171	0.0053	0.37468
X09SFB14_2_6	8.37	0.32	0.1101	0.0048	0.12199
X09SFB14_3_6	8.08	0.23	0.105	0.0041	0.026405
X09SFB14_4_6	7.77	0.3	0.0982	0.0045	0.59541
X09SFB14_5_6	6.6	0.28	0.096	0.0048	0.043431
X09SFB14_6_6	6.5	0.21	0.0908	0.0043	0.16651
X09SFB14_7_6	6.29	0.2	0.088	0.0034	0.040089
X09SFB14_8_6	5.28	0.27	0.0828	0.0027	0.60728
X09SFB14_9_6	4.68	0.27	0.0775	0.0028	0.1671
X09SFB14_10_6	3.7	0.21	0.0718	0.003	0.10728
X09SFB14_11_6	3.04	0.18	0.0641	0.0025	0.03692
X09SFB14_12_6	2.809	0.086	0.0646	0.0019	0.026471
X09SFB14_1_7	18	1.9	0.191	0.02	0.93823
X09SFB14_2_7	10.74	0.55	0.1286	0.0077	0.30677
X09SFB14_3_7	25.5	7.8	0.251	0.069	0.99493
X09SFB14_4_7	15.2	1.3	0.157	0.01	0.90526
X09SFB14_5_7	12	1.1	0.132	0.014	0.94107

X09SFB14_6_7	8.86	0.45	0.1084	0.0052	0.096835
X09SFB14_7_7	9.71	0.79	0.1154	0.0043	0.091468
X09SFB14_8_7	10.12	0.44	0.1247	0.0083	0.27324
X09SFB14_9_7	10.9	0.32	0.1268	0.0081	0.13825
X09SFB14_10_7	11.2	0.58	0.1338	0.0052	0.36927
X09SFB14_11_7	29	13	0.28	0.12	0.99791
X09SFB14_12_7	12.18	0.44	0.1388	0.0036	0.52182
X09SFB14_1_8	155.2	7.7	1.398	0.058	0.77909
X09SFB14_2_8	153.2	5.6	1.374	0.074	0.70137
X09SFB14_3_8	156.6	9.8	1.438	0.097	0.69404
X09SFB14_4_8	151.3	6	1.374	0.07	0.66373
X09SFB14_5_8	133.6	7.8	1.154	0.035	0.91587
X09SFB14_6_8	129	14	1.15	0.14	0.91492
X09SFB14_7_8	81	23	0.74	0.21	0.99289
X09SFB14_8_8	139	11	1.201	0.088	0.85604
X09SFB14_9_8	150.3	8.6	1.336	0.094	0.73031
X09SFB14_10_8	131	7.6	1.261	0.052	0.80832
X09SFB14_11_8	160	11	1.411	0.08	0.55073
X09SFB14_12_8	174.4	8.9	1.577	0.058	0.77239
X09SFB14_1_9	705	75	5.89	0.62	0.93544
X09SFB14_2_9	695	66	6.35	0.53	0.91797
X09SFB14_3_9	548	38	5.02	0.34	0.94018
X09SFB14_4_9	472	22	4.34	0.24	0.91892
X09SFB14_5_9	478	26	4.29	0.26	0.90134
X09SFB14_6_9	454	23	4.26	0.2	0.91707
X09SFB14_7_9	450	22	4.05	0.16	0.81292
X09SFB14_8_9	456	27	4.09	0.2	0.93779
X09SFB14_9_9	450	31	4.05	0.28	0.9009
X09SFB14_10_9	181	70	1.67	0.67	0.99729
X09SFB14_11_9	14.4	2.2	0.132	0.019	0.97784
X09SFB14_12_9	330	120	3	1.1	0.99529
X09SFB14_1_10	6.34	0.42	0.0778	0.0055	0.12539
X09SFB14_2_10	5.03	0.23	0.0635	0.0028	0.050187
X09SFB14_3_10	4.83	0.39	0.0656	0.0038	0.52352
X09SFB14_4_10	4.89	0.24	0.0632	0.0028	0.16859
X09SFB14_5_10	5.19	0.37	0.0693	0.0033	0.15082
X09SFB14_6_10	5.35	0.35	0.0694	0.003	0.12658
X09SFB14_7_10	5.3	0.3	0.0743	0.0044	0.049923
X09SFB14_8_10	5.5	0.41	0.0709	0.0057	0.020509

X09SFB14_9_10	5.76	0.29	0.0677	0.0053	0.32188
X09SFB14_10_10	5.93	0.35	0.0768	0.0057	0.22868
X09SFB14_11_10	5.47	0.46	0.0756	0.0038	0.32034
X09SFB14_12_10	5.62	0.32	0.075	0.0052	0.12284
X09SFB14_1_11	446	16	3.96	0.11	0.85478
X09SFB14_2_11	387	15	3.52	0.13	0.50473
X09SFB14_3_11	345	13	3.03	0.12	0.79341
X09SFB14_4_11	326.6	9.3	2.94	0.12	0.88441
X09SFB14_5_11	329	10	2.883	0.072	0.70546
X09SFB14_6_11	321.4	8.8	2.875	0.093	0.53716
X09SFB14_7_11	338	12	3.02	0.12	0.83406
X09SFB14_8_11	348.8	7.2	3.142	0.098	0.75249
X09SFB14_9_11	374	11	3.364	0.099	0.76946
X09SFB14_10_11	385	10	3.464	0.095	0.81139
X09SFB14_11_11	379	11	3.382	0.093	0.76967
X09SFB14_12_11	374	13	3.317	0.092	0.78882
X09SFB14_1_12	1120	150	9.8	1.3	0.98772
X09SFB14_2_12	1240	170	11.1	1.4	0.98887
X09SFB14_3_12	1120	69	9.88	0.65	0.96738
X09SFB14_4_12	1230	170	11.1	1.5	0.9779
X09SFB14_5_12	1230	130	10.42	0.93	0.94719
X09SFB14_6_12	1095	93	9.46	0.82	0.97432
X09SFB14_7_12	1016	67	8.94	0.67	0.98944
X09SFB14_8_12	935	56	8.12	0.49	0.9707
X09SFB14_9_12	869	41	7.57	0.5	0.94658
X09SFB14_10_12	871	48	7.71	0.37	0.91966
X09SFB14_11_12	895	61	7.91	0.65	0.92744
X09SFB14_12_12	863	44	7.76	0.49	0.90876
X09SFB14_1_13	2590	340	22.7	3	0.99209
X09SFB14_2_13	173	64	1.5	0.56	0.99975
X09SFB14_3_13	660	110	5.77	0.94	0.99354
X09SFB14_4_13	1160	330	10.1	2.9	0.99573
X09SFB14_5_13	62.2	7.6	0.544	0.066	0.9959
X09SFB14_6_13	160	34	1.39	0.3	0.99636
X09SFB14_7_13	242	14	2.08	0.14	0.9646
X09SFB14_8_13	376	39	3.28	0.32	0.99243
X09SFB14_9_13	750	120	6.27	0.99	0.98425
X09SFB14_10_13	1800	380	15.8	3.5	0.99624
X09SFB14_1_14	155.3	9.4	1.375	0.069	0.88083

X09SFB14_2_14	161.2	9.6	1.431	0.083	0.78116
X09SFB14_3_14	127.2	3.4	1.144	0.055	0.54404
X09SFB14_4_14	115.9	3.4	1.013	0.034	0.77602
X09SFB14_5_14	105.9	4.5	0.932	0.042	0.66161
X09SFB14_6_14	112.2	3.3	0.959	0.028	0.57346
X09SFB14_7_14	110.7	5.8	0.975	0.048	0.82125
X09SFB14_8_14	114.4	3.2	1.034	0.028	0.51397
X09SFB14_9_14	119.8	4.8	1.047	0.05	0.83722
X09SFB14_10_14	116.1	4	1.006	0.044	0.59883
X09SFB14_11_14	119.4	4	1.022	0.039	0.65825
X09SFB14_12_14	119.9	5.4	1.08	0.049	0.77627
X09SFB14_1_16	22.3	1.5	0.244	0.016	0.89572
X09SFB14_2_16	18.88	0.93	0.2094	0.0093	0.14389
X09SFB14_3_16	17.51	0.39	0.1881	0.0091	0.14928
X09SFB14_4_16	15.86	0.67	0.1768	0.0058	0.81425
X09SFB14_5_16	15.37	0.63	0.1694	0.0078	0.71918
X09SFB14_6_16	14.76	0.53	0.1656	0.0067	0.55896
X09SFB14_7_16	14.11	0.81	0.1702	0.0081	0.6317
X09SFB14_8_16	14.46	0.64	0.1682	0.0099	0.64237
X09SFB14_9_16	13.82	0.36	0.1737	0.0051	0.33158
X09SFB14_10_16	14.5	0.53	0.1755	0.0055	0.65932
X09SFB14_11_16	13.84	0.72	0.1637	0.0045	0.54118
X09SFB14_12_16	13.28	0.43	0.1586	0.0049	0.66218
X09SFB14_1_17	3.73	0.23	0.0866	0.0028	0.43329
X09SFB14_2_17	4.44	0.3	0.0861	0.006	0.15729
X09SFB14_3_17	4.59	0.36	0.0915	0.004	0.39984
X09SFB14_4_17	5.01	0.31	0.0891	0.0031	0.48826
X09SFB14_5_17	5.16	0.34	0.0957	0.0038	0.22674
X09SFB14_6_17	4.9	0.32	0.0909	0.0038	0.22499
X09SFB14_7_17	5.25	0.27	0.1043	0.0058	0.813
X09SFB14_8_17	5.78	0.5	0.0994	0.0077	0.63148
X09SFB14_9_17	5.77	0.54	0.1054	0.0038	0.36095
X09SFB14_10_17	5.84	0.35	0.1113	0.0055	0.27398
X09SFB14_11_17	6.45	0.42	0.1077	0.0071	0.3409
X09SFB14_12_17	5.98	0.38	0.1058	0.0068	0.58208
X09SFB14_1_18	7.81	0.77	0.115	0.011	0.9382
X09SFB14_2_18	3.6	0.71	0.078	0.011	0.86991
X09SFB14_3_18	1.64	0.1	0.0507	0.0037	0.49972
X09SFB14_4_18	1.63	0.15	0.0541	0.0041	0.78607

X09SFB14_5_18	1.403	0.089	0.051	0.0024	0.37535
X09SFB14_6_18	1.214	0.066	0.0503	0.0027	0.59657
X09SFB14_7_18	1.005	0.037	0.0472	0.0025	0.57001
X09SFB14_8_18	1.222	0.078	0.0504	0.0019	0.52423
X09SFB14_9_18	1.43	0.14	0.0536	0.0022	0.87994
X09SFB14_10_18	1.607	0.068	0.0568	0.0022	0.23553
X09SFB14_11_18	1.36	0.11	0.045	0.0018	0.65313
X09SFB14_12_18	1.385	0.099	0.0459	0.0018	0.18965
X09SFB14_1_19	1.83	0.2	0.0541	0.0029	0.36245
X09SFB14_2_19	1.52	0.11	0.0507	0.0021	0.63724
X09SFB14_3_19	1.461	0.074	0.0493	0.0011	0.2073
X09SFB14_4_19	1.83	0.18	0.0527	0.0022	0.7661
X09SFB14_5_19	10.4	5.4	0.122	0.043	0.99042
X09SFB14_6_19	9.3	3.1	0.124	0.029	0.97879
X09SFB14_7_19	2.57	0.49	0.0604	0.005	0.95205
X09SFB14_8_19	3.9	1.1	0.0716	0.0093	0.99081
X09SFB14_9_19	5.9	2.9	0.082	0.019	0.99819
X09SFB14_10_19	1.7	0.27	0.0536	0.0023	0.81501
X09SFB14_11_19	1.212	0.075	0.0499	0.0021	0.58805
X09SFB14_12_19	1.33	0.16	0.0508	0.0019	0.79229
X09SFB14_1_20	393	31	3.43	0.3	0.92426
X09SFB14_2_20	435	32	3.82	0.27	0.86804
X09SFB14_3_20	466	32	3.98	0.33	0.88073
X09SFB14_4_20	441	30	3.78	0.25	0.92149
X09SFB14_5_20	455	34	3.86	0.26	0.93317
X09SFB14_6_20	409	25	3.49	0.2	0.95604
X09SFB14_7_20	389	35	3.25	0.29	0.9294
X09SFB14_8_20	446	33	3.81	0.27	0.907
X09SFB14_9_20	378	24	3.25	0.18	0.87248
X09SFB14_10_20	459	51	3.94	0.43	0.89923
X09SFB14_11_20	374	30	3.08	0.26	0.91976
X09SFB14_12_20	359	30	2.96	0.28	0.96978
X09SFB14_1_21	18	3.3	0.147	0.031	0.8491
X09SFB14_2_21	9.31	0.89	0.084	0.011	0.38485
X09SFB14_3_21	7.01	0.95	0.065	0.0078	0.65555
X09SFB14_4_21	9.3	1.7	0.086	0.012	0.5556
X09SFB14_5_21	8.8	1.8	0.063	0.014	0.91635
X09SFB14_6_21	6.51	0.99	0.0633	0.0066	0.17636
X09SFB14_7_21	4.72	0.9	0.0423	0.0061	0.42281

X09SFB14_8_21	5.43	0.79	0.0535	0.0069	0.17758
X09SFB14_9_21	4.84	0.99	0.0397	0.0047	0.22053
X09SFB14_10_21	4.96	0.6	0.0564	0.0073	0.068741
X09SFB14_11_21	4.32	0.67	0.0432	0.0055	0.19777
X09SFB14_12_21	4.21	0.66	0.0368	0.0059	0.55706
X09SFB14_1_22	780	140	6.6	1.1	0.98671
X09SFB14_2_22	1011	85	8.65	0.73	0.85824
X09SFB14_3_22	1140	120	9.5	1.1	0.90744
X09SFB14_4_22	1480	310	12.4	2.5	0.98485
X09SFB14_5_22	1250	250	10.6	2.2	0.99301
X09SFB14_6_22	1290	270	11.1	2.5	0.98762
X09SFB14_7_22	1490	330	12.9	2.7	0.98749
X09SFB14_8_22	1550	500	13.7	5.6	0.98076
X09SFB14_1_23	42	29	0.4	0.28	0.99788
X09SFB14_2_23	52.5	6.8	0.502	0.065	0.93232
X09SFB14_3_23	69.6	7.2	0.675	0.072	0.95071
X09SFB14_4_23	310	90	2.88	0.81	0.99689
X09SFB14_5_23	81	13	0.77	0.13	0.98939
X09SFB14_6_23	57.2	9.9	0.525	0.079	0.98262
X09SFB14_7_23	21.4	4.6	0.2	0.041	0.98975
X09SFB14_8_23	39.3	6.4	0.38	0.063	0.98586
X09SFB14_9_23	202	59	1.86	0.54	0.9979
X09SFB14_10_23	23	4.2	0.236	0.045	0.98836
X09SFB14_11_23	7.2	2.2	0.066	0.021	0.98866
X09SFB14_12_23	5.03	0.38	0.0569	0.0035	0.83244
X09SFB14_1_24	7.41	0.21	0.0881	0.0039	0.35406
X09SFB14_2_24	7.6	0.28	0.0932	0.005	0.52086
X09SFB14_3_24	7.56	0.24	0.0905	0.0028	0.27587
X09SFB14_4_24	7.97	0.35	0.0952	0.004	0.81805
X09SFB14_5_24	8.2	0.28	0.097	0.0033	0.68132
X09SFB14_6_24	8.93	0.28	0.1048	0.0032	0.46082
X09SFB14_7_24	9.97	0.53	0.1062	0.0054	0.69353
X09SFB14_8_24	10.65	0.44	0.1154	0.0028	0.35043
X09SFB14_9_24	12.03	0.54	0.1254	0.0046	0.69022
X09SFB14_10_24	12.59	0.34	0.1275	0.0042	0.58161
X09SFB14_11_24	12.67	0.59	0.1295	0.006	0.26514
X09SFB14_12_24	12.62	0.47	0.1281	0.0038	0.39014
X09SFB14_1_25	2.67	0.23	0.072	0.0034	0.79054
X09SFB14_2_25	1.88	0.048	0.0615	0.0013	0.49663

X09SFB14_3_25	1.634	0.07	0.059	0.0015	0.41641
X09SFB14_4_25	1.511	0.035	0.0555	0.0013	0.40952
X09SFB14_5_25	1.441	0.037	0.0555	0.0014	0.55853
X09SFB14_6_25	1.389	0.036	0.0556	0.0011	0.32827
X09SFB14_7_25	1.467	0.055	0.0581	0.0012	0.46943
X09SFB14_8_25	1.484	0.059	0.0591	0.0012	0.15985
X09SFB14_9_25	1.467	0.039	0.0611	0.001	0.057941
X09SFB14_10_25	1.409	0.047	0.0592	0.0013	0.36685
X09SFB14_11_25	1.401	0.047	0.059	0.0011	0.65595
X09SFB14_12_25	1.377	0.051	0.0562	0.0016	0.38751
X09SFB14_1_26	219.2	8.4	1.88	0.11	0.8408
X09SFB14_2_26	194	13	1.68	0.11	0.97177
X09SFB14_3_26	158.9	5	1.379	0.048	0.73318
X09SFB14_4_26	135.8	8.1	1.208	0.071	0.89473
X09SFB14_5_26	114	5	1.008	0.043	0.63007
X09SFB14_6_26	108	3.5	0.929	0.031	0.78241
X09SFB14_7_26	96.5	3.2	0.83	0.025	0.80592
X09SFB14_8_26	82.2	5.9	0.739	0.047	0.91516
X09SFB14_9_26	77.4	2.7	0.679	0.02	0.62491
X09SFB14_10_26	66.7	4.9	0.607	0.038	0.92656
X09SFB14_11_26	64.2	2.3	0.575	0.022	0.7988
X09SFB14_12_26	59.6	1.8	0.508	0.021	0.69017
X09SFB14_1_27	4.8	0.47	0.0853	0.0056	0.91685
X09SFB14_2_27	4.05	0.12	0.0807	0.0022	0.082661
X09SFB14_3_27	4.22	0.12	0.0813	0.0015	0.037449
X09SFB14_4_27	4.9	0.17	0.0845	0.003	0.40795
X09SFB14_5_27	5.62	0.15	0.0921	0.0024	0.47874
X09SFB14_6_27	6.4	0.23	0.1017	0.003	0.29606
X09SFB14_7_27	7.23	0.35	0.1086	0.005	0.55225
X09SFB14_8_27	8.19	0.27	0.1147	0.0055	0.36945
X09SFB14_9_27	8.8	0.25	0.1263	0.003	0.16157
X09SFB14_10_27	9.09	0.43	0.126	0.0067	0.61254
X09SFB14_11_27	9.04	0.42	0.1308	0.0044	0.23046
X09SFB14_12_27	9.5	0.31	0.1269	0.0051	0.44571
X09SFB14_1_28	5.01	0.32	0.0869	0.005	0.46357
X09SFB14_2_28	4.15	0.19	0.0804	0.003	0.31479
X09SFB14_3_28	3.82	0.21	0.0766	0.0027	0.26512
X09SFB14_4_28	3.83	0.16	0.0753	0.0018	0.3583
X09SFB14_5_28	4.47	0.16	0.0811	0.0033	0.26944

X09SFB14_6_28	5.1	0.18	0.0831	0.0023	0.66885
X09SFB14_7_28	5.49	0.29	0.0875	0.0022	0.44784
X09SFB14_8_28	6.16	0.26	0.0957	0.0036	0.057395
X09SFB14_9_28	6.4	0.25	0.0977	0.0027	0.45043
X09SFB14_10_28	6.01	0.14	0.0964	0.0034	0.26351
X09SFB14_11_28	6.25	0.17	0.0944	0.0046	0.10559
X09SFB14_12_28	6.23	0.23	0.0951	0.003	0.26505
X09SFB14_1_29	16.7	6.1	0.18	0.052	0.99652
X09SFB14_2_29	3.74	0.19	0.0674	0.0026	0.67571
X09SFB14_3_29	3.29	0.2	0.0656	0.0029	0.47451
X09SFB14_4_29	2.94	0.17	0.0613	0.0014	0.31957
X09SFB14_5_29	3.08	0.12	0.0616	0.0025	0.1946
X09SFB14_6_29	3.51	0.14	0.0676	0.0021	0.38793
X09SFB14_7_29	3.38	0.17	0.067	0.0022	0.2794
X09SFB14_8_29	3.44	0.17	0.0702	0.0026	0.2759
X09SFB14_9_29	3.64	0.22	0.0712	0.003	0.21086
X09SFB14_10_29	4.27	0.32	0.0783	0.0044	0.74715
X09SFB14_11_29	4.47	0.23	0.0786	0.0034	0.23527
X09SFB14_12_29	5.95	0.24	0.0882	0.004	0.63203
X09SFB14_1_30	780	150	6.462	0.071	0.58367
X09SFB14_12_31	1820	610	15.4	5	0.98169
X09SFB14_1_32	33	3.7	0.294	0.026	0.90149
X09SFB14_2_32	22.1	2	0.226	0.016	0.2634
X09SFB14_3_32	18.7	1.4	0.182	0.012	0.60219
X09SFB14_4_32	19.36	0.81	0.199	0.016	0.18971
X09SFB14_5_32	14.3	1.1	0.1693	0.0098	0.32889
X09SFB14_6_32	18.4	2.5	0.208	0.023	0.9394
X09SFB14_7_32	12.85	0.81	0.165	0.013	0.93624
X09SFB14_8_32	12.2	1	0.1577	0.0074	0.4653
X09SFB14_9_32	11.38	0.72	0.157	0.011	0.46492
X09SFB14_10_32	11.03	0.62	0.149	0.014	0.52411
X09SFB14_11_32	10.71	0.74	0.147	0.01	0.58716
X09SFB14_12_32	9.33	0.6	0.137	0.0091	0.58002
X09SFB14_1_33	272	15	2.29	0.16	0.89279
X09SFB14_2_33	289	12	2.55	0.1	0.8337
X09SFB14_3_33	320	18	2.71	0.14	0.79025
X09SFB14_4_33	332	17	2.691	0.084	0.70377
X09SFB14_5_33	349	16	2.82	0.11	0.53349
X09SFB14_6_33	386	26	3.21	0.22	0.84594

X09SFB14_7_33	451	32	3.66	0.16	0.86795
X09SFB14_8_33	478	29	4	0.18	0.82086
X09SFB14_9_33	480	21	4.1	0.23	0.6642
X09SFB14_10_33	444	27	3.78	0.22	0.75469
X09SFB14_11_33	436	22	3.6	0.22	0.79089
X09SFB14_12_33	419	29	3.61	0.22	0.85463
X09SFB14_1_34	152	13	1.29	0.11	0.67538
X09SFB14_2_34	226	20	1.74	0.1	0.46155
X09SFB14_3_34	401	50	3.31	0.4	0.93084
X09SFB14_4_34	455	46	3.67	0.32	0.85563
X09SFB14_5_34	670	140	5.5	1.2	0.98773
X09SFB14_6_34	1020	130	8.2	1.3	0.97883
X09SFB14_1_38	460	28	3.86	0.2	0.88477
X09SFB14_2_38	525	20	4.5	0.18	0.89939
X09SFB14_3_38	456	34	3.93	0.31	0.95622
X09SFB14_4_38	437	23	3.62	0.21	0.90713
X09SFB14_5_38	406	24	3.39	0.19	0.95813
X09SFB14_6_38	426	22	3.72	0.23	0.91036
X09SFB14_7_38	493	31	4.17	0.25	0.91443
X09SFB14_8_38	483	22	4.03	0.15	0.89186
X09SFB14_9_38	483	27	4.19	0.23	0.84594
X09SFB14_10_38	473	34	4.04	0.29	0.93982
X09SFB14_11_38	482	26	3.97	0.17	0.91175
X09SFB14_12_38	443	30	3.91	0.27	0.97618
X09SFB14_1_39	13.3	2.1	0.143	0.021	0.92736
X09SFB14_2_39	22.7	5.5	0.227	0.051	0.97043
X09SFB14_3_39	27.7	3.2	0.261	0.025	0.85541
X09SFB14_4_39	24.4	1.9	0.246	0.016	0.68638
X09SFB14_5_39	25.4	3.1	0.256	0.018	0.68925
X09SFB14_6_39	25.7	5.8	0.288	0.053	0.98853
X09SFB14_7_39	34.7	1.6	0.364	0.018	0.50257
X09SFB14_8_39	40.9	4.9	0.499	0.086	0.94025
X09SFB14_9_39	23.6	1.1	0.26	0.013	0.54955
X09SFB14_10_39	8.5	5.1	0.108	0.051	0.98767
X09SFB14_11_39	7.8	0.8	0.0995	0.0099	0.9158
X09SFB14_12_39	9.47	0.42	0.1135	0.0044	0.58727
X09SFB14_1_40	201	27	1.9	0.3	0.894
X09SFB14_2_40	255	45	2.37	0.44	0.85725
X09SFB14_3_40	420	94	3.45	0.71	0.93865

X09SFB14_4_40	580	310	4.4	1.8	0.98925
X09SFB14_7_40	68	13	0.61	0.11	0.93826
X09SFB14_8_40	137	57	1.22	0.14	0.66942
X09SFB14_1_41	8.13	0.71	0.1128	0.0088	0.79738
X09SFB14_2_41	11.6	1.1	0.1416	0.0078	0.92884
X09SFB14_3_41	11.7	1.2	0.1427	0.0088	0.91189
X09SFB14_4_41	13.7	6	0.158	0.049	0.9988
X09SFB14_5_41	5.64	0.68	0.0861	0.0067	0.92018
X09SFB14_6_41	8.9	1.7	0.113	0.015	0.98684
X09SFB14_7_41	10.1	1.9	0.122	0.018	0.98155
X09SFB14_8_41	7.1	1.3	0.107	0.019	0.96091
X09SFB14_9_41	17.7	4.6	0.182	0.035	0.99258
X09SFB14_10_41	9.5	2.3	0.121	0.024	0.95314
X09SFB14_11_41	7.33	0.76	0.1033	0.0088	0.90905
X09SFB14_12_41	9.6	1.4	0.122	0.011	0.98125
X09SFB14_1_42	5.61	0.49	0.0948	0.0045	0.81648
X09SFB14_2_42	4.95	0.12	0.0863	0.0021	0.32051
X09SFB14_3_42	5.06	0.23	0.0898	0.0038	0.77027
X09SFB14_4_42	5.77	0.23	0.0908	0.0035	0.29143
X09SFB14_5_42	6.07	0.15	0.0952	0.0017	0.16534
X09SFB14_6_42	6.68	0.38	0.0987	0.0032	0.069585
X09SFB14_7_42	7.2	0.24	0.1055	0.0036	0.13787
X09SFB14_8_42	7.58	0.28	0.1148	0.0061	0.55332
X09SFB14_9_42	8.24	0.32	0.113	0.0033	0.20515
X09SFB14_10_42	8.11	0.24	0.122	0.0055	0.22703
X09SFB14_11_42	8.48	0.3	0.1239	0.005	0.11736
X09SFB14_12_42	8.06	0.25	0.1161	0.0041	0.087223
X09SFB14_1_43	184	38	1.61	0.34	0.984
X09SFB14_2_43	158	32	1.29	0.28	0.99914
X09SFB14_3_43	500	160	4.1	1.2	0.98936
X09SFB14_4_43	540	280	4.6	2.1	0.9893
X09SFB14_1_45	1055	86	8.58	0.95	0.86696
X09SFB14_2_45	977	96	8.37	0.92	0.94976
X09SFB14_3_45	470	56	4.04	0.56	0.92273
X09SFB14_4_45	286	21	2.37	0.22	0.8318
X09SFB14_5_45	216	11	1.69	0.13	0.78527
X09SFB14_6_45	187.5	9.1	1.505	0.058	0.57279
X09SFB14_7_45	167.9	4.6	1.329	0.047	0.61775
X09SFB14_8_45	162.9	9.4	1.343	0.079	0.85328

X09SFB14_9_45	170.7	5	1.393	0.062	0.77753
X09SFB14_10_45	188	10	1.508	0.069	0.70813
X09SFB14_11_45	189.4	5	1.613	0.06	0.55899
X09SFB14_12_45	187.9	9.2	1.541	0.066	0.75196
X09SFB14_1_46	2420	750	21	6	0.99603
X09SFB14_2_46	1200	670	10.4	5.9	0.99779
X09SFB14_3_46	1240	530	10.5	4.6	0.9982
X09SFB14_4_46	390	150	3.3	1.3	0.99753
X09SFB14_5_46	275	73	2.21	0.51	0.99626
X09SFB14_6_46	220	110	1.88	0.86	0.99806
X09SFB14_1_48	54.2	8.9	0.498	0.081	0.97534
X09SFB14_2_48	29.8	1.5	0.314	0.028	0.6639
X09SFB14_3_48	25.7	1.6	0.273	0.016	0.35067
X09SFB14_4_48	18.36	0.97	0.212	0.017	0.36811
X09SFB14_5_48	15.54	0.86	0.185	0.012	0.36943
X09SFB14_6_48	15.38	0.59	0.182	0.011	0.3312
X09SFB14_7_48	14.2	1	0.168	0.012	0.58544
X09SFB14_8_48	13.94	0.83	0.1608	0.0086	0.33773
X09SFB14_9_48	13.03	0.56	0.1606	0.0076	0.096428
X09SFB14_10_48	11.95	0.57	0.1497	0.0071	0.45455
X09SFB14_11_48	10.57	0.57	0.1506	0.0074	0.16268
X09SFB14_12_48	9.46	0.4	0.1251	0.0061	0.55795
X09SFB14_1_49	24.9	2.5	0.264	0.029	0.84449
X09SFB14_2_49	20	1.3	0.232	0.012	0.42596
X09SFB14_3_49	15.5	0.86	0.182	0.011	0.51831
X09SFB14_4_49	12.72	0.85	0.159	0.011	0.2559
X09SFB14_5_49	11.67	0.58	0.1373	0.0081	0.011899
X09SFB14_6_49	12.24	0.67	0.1421	0.0055	0.20144
X09SFB14_7_49	14.1	2.7	0.161	0.02	0.91706
X09SFB14_8_49	10.69	0.7	0.142	0.01	0.15545
X09SFB14_9_49	12.08	0.45	0.1504	0.0076	0.043902
X09SFB14_10_49	12.76	0.97	0.159	0.013	0.07327
X09SFB14_11_49	12.1	1.1	0.1506	0.0084	0.2095
X09SFB14_12_49	11.35	0.91	0.1542	0.0087	0.14311
X09SFB14_1_50	290	83	2.41	0.65	0.97799
X09SFB14_2_50	122.5	8.6	1.062	0.066	0.76451
X09SFB14_3_50	83.7	5.2	0.756	0.045	0.86287
X09SFB14_4_50	73.7	4.1	0.648	0.033	0.64121
X09SFB14_5_50	63.5	4.8	0.557	0.037	0.85524

X09SFB14_6_50	53.5	2.8	0.52	0.03	0.90205
X09SFB14_7_50	52.2	2.9	0.511	0.02	0.87444
X09SFB14_8_50	52	1.8	0.494	0.022	0.42784
X09SFB14_9_50	61.4	3.3	0.587	0.035	0.81541
X09SFB14_10_50	64.9	2.9	0.602	0.025	0.63322
X09SFB14_11_50	65.3	4.3	0.584	0.034	0.76172
X09SFB14_12_50	58.6	3.3	0.559	0.03	0.70253
X09SFB14_1_51	134.7	6.4	1.172	0.079	0.90555
X09SFB14_2_51	125.4	5.5	1.072	0.056	0.93145
X09SFB14_3_51	104.3	4.9	0.963	0.053	0.7594
X09SFB14_4_51	99.2	3.9	0.904	0.04	0.81527
X09SFB14_5_51	96.5	4.7	0.883	0.027	0.5446
X09SFB14_6_51	100.4	5.5	0.883	0.05	0.34685
X09SFB14_7_51	99.6	5	0.895	0.028	0.76806
X09SFB14_8_51	113.7	8.9	1.028	0.075	0.85992
X09SFB14_9_51	111	4.7	0.954	0.04	0.62174
X09SFB14_10_51	105.4	3	0.945	0.027	0.43395
X09SFB14_11_51	108.1	4.7	0.961	0.049	0.72221
X09SFB14_12_51	111.3	4.5	0.988	0.049	0.77084
X09SFB14_1_52	242	17	2.13	0.13	0.82202
X09SFB14_2_52	205.6	8.7	1.876	0.084	0.80225
X09SFB14_3_52	241.6	9.8	2.241	0.086	0.9001
X09SFB14_4_52	260.1	7.6	2.324	0.066	0.47149
X09SFB14_5_52	265.4	8.2	2.302	0.088	0.66197
X09SFB14_6_52	269.6	6.3	2.436	0.091	0.5926
X09SFB14_7_52	283.4	8.8	2.49	0.1	0.7728
X09SFB14_8_52	293	13	2.62	0.14	0.69245
X09SFB14_9_52	315.1	9.7	2.78	0.11	0.83012
X09SFB14_10_52	312	13	2.75	0.14	0.89359
X09SFB14_11_52	316.5	8.7	2.74	0.11	0.86621
X09SFB14_12_52	303.8	8.6	2.67	0.1	0.80691
X09SFB14_12_54	170	22	1.45	0.19	0.91711
X09SFB14_1_55	623	50	5.21	0.41	0.96491
X09SFB14_2_55	984	68	8.23	0.62	0.97132
X09SFB14_3_55	1148	56	9.59	0.55	0.96256
X09SFB14_4_55	1306	66	10.72	0.55	0.94662
X09SFB14_5_55	1249	95	10.19	0.65	0.95577
X09SFB14_6_55	1311	80	10.68	0.49	0.93766
X09SFB14_7_55	1360	110	11.14	0.83	0.93531

X09SFB14_8_55	1480	110	12.09	0.94	0.96437
X09SFB14_9_55	1870	220	15.5	1.6	0.97701
X09SFB14_10_55	1540	140	13.3	1.3	0.97835
X09SFB14_11_55	1400	66	11.42	0.54	0.90415
X09SFB14_12_55	1460	100	12.2	1.1	0.96264
X09SFB14_1_56	64	19	0.61	0.15	0.96222
X09SFB14_2_56	31.4	2.2	0.282	0.014	0.63002
X09SFB14_3_56	29	3.8	0.29	0.035	0.96681
X09SFB14_4_56	25.9	1.6	0.247	0.011	0.72262
X09SFB14_5_56	27.3	1.1	0.259	0.014	0.46538
X09SFB14_6_56	28	1.4	0.2838	0.0095	0.78006
X09SFB14_7_56	28.1	1.3	0.269	0.013	0.56968
X09SFB14_8_56	21.7	1.4	0.243	0.016	0.62829
X09SFB14_9_56	11.8	1.7	0.148	0.017	0.96275
X09SFB14_10_56	6.22	0.37	0.096	0.0037	0.19638
X09SFB14_11_56	4.67	0.32	0.0812	0.0042	0.70038
X09SFB14_12_56	5.26	0.42	0.0883	0.0055	0.76979
X09SFB14_1_57	59.4	8	0.43	0.027	0.69624
X09SFB14_2_57	54	5.8	0.422	0.033	0.62725
X09SFB14_3_57	61.9	4.7	0.484	0.03	0.67415
X09SFB14_4_57	64.3	5.4	0.498	0.03	0.85757
X09SFB14_5_57	65	4.8	0.524	0.034	0.58547
X09SFB14_6_57	65.9	4.6	0.546	0.036	0.6845
X09SFB14_7_57	69.3	4.2	0.539	0.031	0.47762
X09SFB14_8_57	72.5	3	0.609	0.032	0.4152
X09SFB14_9_57	77.4	4	0.624	0.037	0.60083
X09SFB14_10_57	83.6	5.3	0.681	0.028	0.66425
X09SFB14_11_57	85.6	5.9	0.701	0.028	0.46861
X09SFB14_12_57	87.9	5.6	0.733	0.044	0.52327
X09SFB14_1_59	28.4	3	0.275	0.026	0.95405
X09SFB14_2_59	19.4	2.4	0.188	0.02	0.93896
X09SFB14_3_59	11.04	0.48	0.1159	0.0047	0.25124
X09SFB14_4_59	8.97	0.42	0.1024	0.0039	0.723
X09SFB14_5_59	8.61	0.34	0.0962	0.0049	0.45235
X09SFB14_6_59	7.55	0.32	0.085	0.0029	0.34008
X09SFB14_7_59	6.97	0.31	0.0804	0.0031	0.51461
X09SFB14_8_59	6.64	0.27	0.0827	0.0022	0.45706
X09SFB14_9_59	9.14	0.41	0.101	0.0047	0.6713
X09SFB14_10_59	9.6	0.39	0.1048	0.0036	0.51623

X09SFB14_11_59	9.41	0.65	0.1025	0.0056	0.65992
X09SFB14_12_59	6.93	0.33	0.0796	0.0035	0.52971
X09SFB14_1_60	18.5	1.4	0.196	0.01	0.81376
X09SFB14_2_60	18.04	0.75	0.1918	0.0093	0.19019
X09SFB14_3_60	17.35	0.51	0.186	0.01	0.042243
X09SFB14_4_60	16.51	0.41	0.1741	0.0076	0.046633
X09SFB14_5_60	15.34	0.48	0.168	0.0059	0.2795
X09SFB14_6_60	16.02	0.44	0.1727	0.0057	0.16837
X09SFB14_7_60	16.36	0.75	0.1792	0.0063	0.25688
X09SFB14_8_60	16.2	0.42	0.1785	0.0057	0.18077
X09SFB14_9_60	16.79	0.78	0.1774	0.0077	0.06494
X09SFB14_10_60	15.48	0.38	0.1784	0.0067	0.25421
X09SFB14_11_60	14.93	0.54	0.1765	0.0087	0.070604
X09SFB14_12_60	15.22	0.61	0.1717	0.0074	0.48398
X09SFB14_1_61	245.2	7.2	2.122	0.077	0.85656
X09SFB14_2_61	229.7	7.9	1.951	0.077	0.83906
X09SFB14_3_61	241.5	4.3	2.021	0.034	0.6512
X09SFB14_4_61	242.2	3.9	2.049	0.046	0.58184
X09SFB14_5_61	261.7	5.8	2.217	0.043	0.83299
X09SFB14_6_61	261.7	5.9	2.207	0.046	0.54004
X09SFB14_7_61	231.7	8.7	1.981	0.064	0.93086
X09SFB14_8_61	186.7	4.1	1.549	0.044	0.79375
X09SFB14_9_61	181.2	3.9	1.505	0.031	0.75062
X09SFB14_10_61	178.6	2.9	1.513	0.03	0.7177
X09SFB14_11_61	149.3	6.3	1.259	0.052	0.94856
X09SFB14_12_61	141.8	3.5	1.211	0.04	0.76864
X09SFB14_1_62	286	18	2.41	0.13	0.82636
X09SFB14_2_62	292	20	2.41	0.15	0.71699
X09SFB14_3_62	286	13	2.56	0.15	0.65249
X09SFB14_4_62	282	24	2.36	0.17	0.87396
X09SFB14_5_62	291	17	2.44	0.12	0.75918
X09SFB14_6_62	282	21	2.49	0.23	0.72598
X09SFB14_7_62	300	25	2.58	0.23	0.93848
X09SFB14_8_62	305	20	2.54	0.2	0.73507
X09SFB14_9_62	293	18	2.47	0.11	0.83372
X09SFB14_10_62	317	23	2.73	0.24	0.70857
X09SFB14_11_62	295	24	2.54	0.19	0.89223
X09SFB14_12_62	260	15	2.18	0.15	0.88748
X09SFB14_1_63	2030	180	17.1	1.9	0.87146

X09SFB14_2_63	2005	84	16.95	0.57	0.50789
X09SFB14_3_63	1800	130	15.47	0.96	0.89848
X09SFB14_4_63	1740	130	15.3	1	0.9051
X09SFB14_5_63	1720	120	14.7	1.2	0.91308
X09SFB14_6_63	1630	110	13.66	0.93	0.95978
X09SFB14_7_63	1690	110	14.4	1	0.92723
X09SFB14_8_63	2040	150	17.5	1.2	0.94192
X09SFB14_9_63	2260	220	19.4	1.8	0.98562
X09SFB14_10_63	2470	120	20.9	1.1	0.97111
X09SFB14_11_63	2710	240	23.4	1.8	0.98373
X09SFB14_12_63	2730	220	23.2	1.7	0.95265
X09SFB14_1_64	8.36	0.42	0.1068	0.0065	0.60233
X09SFB14_2_64	8.38	0.6	0.1097	0.0082	0.075996
X09SFB14_3_64	7.8	0.35	0.1012	0.0044	0.10945
X09SFB14_4_64	7.81	0.36	0.1051	0.0044	0.85713
X09SFB14_5_64	8.09	0.33	0.0996	0.0059	0.19995
X09SFB14_6_64	7.63	0.52	0.1044	0.0077	0.60954
X09SFB14_7_64	8.67	0.5	0.1143	0.0081	0.66197
X09SFB14_8_64	8.5	0.5	0.1112	0.0079	0.59723
X09SFB14_9_64	8.88	0.57	0.1107	0.0062	0.40643
X09SFB14_10_64	8.88	0.77	0.1103	0.0069	0.56367
X09SFB14_11_64	8.56	0.47	0.1101	0.0093	0.28073
X09SFB14_12_64	7.89	0.62	0.1058	0.0085	0.27248
X09SFB14_1_65	9.27	0.59	0.133	0.011	0.81323
X09SFB14_2_65	10.2	0.67	0.1273	0.007	0.53232
X09SFB14_3_65	10.78	0.78	0.143	0.0097	0.67313
X09SFB14_4_65	11.39	0.93	0.1399	0.0034	0.70795
X09SFB14_5_65	12.69	0.78	0.153	0.01	0.41604
X09SFB14_6_65	16.3	1.2	0.177	0.012	0.78838
X09SFB14_7_65	15.81	0.94	0.1772	0.006	0.28741
X09SFB14_8_65	18.1	1.4	0.2	0.015	0.60866
X09SFB14_9_65	19.9	1.8	0.207	0.014	0.66617
X09SFB14_10_65	20.5	1.2	0.211	0.012	0.59468
X09SFB14_11_65	21.6	1.6	0.218	0.015	0.57929
X09SFB14_12_65	20.6	1.6	0.2075	0.0092	0.56934
X09SFB14_1_66	63.5	6.8	0.558	0.055	0.95637
X09SFB14_2_66	153	48	1.39	0.55	0.97338
X09SFB14_7_66	156	83	1.68	0.95	0.99508
X09SFB14_8_66	348	52	3.04	0.45	0.97422

X09SFB14_9_66	262	24	2.178	0.034	-1
X09SFB14_10_66	185	44	1.85	0.66	0.9797
X09SFB14_11_66	184	76	1.3	0.34	0.99097
X09SFB14_12_66	710	170	6.2	1.5	0.9888
X09SFB14_1_67	597	55	5.03	0.47	0.94989
X09SFB14_2_67	649	41	5.48	0.35	0.89597
X09SFB14_3_67	682	69	5.62	0.45	0.98637
X09SFB14_4_67	725	58	5.92	0.37	0.94901
X09SFB14_5_67	710	42	5.98	0.41	0.91697
X09SFB14_6_67	676	53	5.44	0.37	0.93105
X09SFB14_7_67	739	59	6.2	0.56	0.96177
X09SFB14_8_67	727	36	5.94	0.3	0.85054
X09SFB14_9_67	766	89	6.4	0.75	0.97775
X09SFB14_10_67	870	100	7.07	0.92	0.96116
X09SFB14_11_67	880	110	7.25	0.86	0.99087
X09SFB14_12_67	866	75	7.1	0.73	0.97926
X09SFB14_1_68	67.7	4.1	0.579	0.032	0.90896
X09SFB14_2_68	69.3	5.3	0.594	0.043	0.85312
X09SFB14_3_68	45.2	3.1	0.422	0.031	0.79285
X09SFB14_4_68	51.5	3.4	0.496	0.032	0.92812
X09SFB14_5_68	50.3	3	0.452	0.029	0.45255
X09SFB14_6_68	47.5	3.2	0.419	0.03	0.65261
X09SFB14_7_68	53.3	4.5	0.454	0.035	0.88101
X09SFB14_8_68	59.2	3.9	0.536	0.03	0.68852
X09SFB14_9_68	59.2	3.3	0.524	0.035	0.6631
X09SFB14_10_68	57.2	3.9	0.523	0.039	0.56118
X09SFB14_11_68	60.1	3.4	0.541	0.031	0.46812
X09SFB14_12_68	58.7	3.9	0.553	0.035	0.69342
X09SFB14_1_69	269	32	2.27	0.29	0.93499
X09SFB14_2_69	288	59	2.78	0.62	0.9478
X09SFB14_3_69	290	34	2.58	0.34	0.89475
X09SFB14_4_69	249	24	2.22	0.28	0.9817
X09SFB14_5_69	256	28	2.52	0.44	0.94327
X09SFB14_6_69	344	61	3.16	0.62	0.88012
X09SFB14_7_69	379	65	3.33	0.62	0.91282
X09SFB14_8_69	397	83	3.7	0.81	0.96383
X09SFB14_9_69	369	60	3.34	0.5	0.97365
X09SFB14_10_69	329	61	2.75	0.53	0.85947
X09SFB14_11_69	275	34	2.3	0.29	0.78742

X09SFB14_12_69	323	60	2.88	0.47	0.93091
X09SFB14_1_70	2030	800	16.3	6.3	0.94864
X09SFB14_1_71	3.46	0.23	0.0713	0.0023	0.80985
X09SFB14_2_71	3.337	0.069	0.0671	0.0023	0.22738
X09SFB14_3_71	3.4	0.14	0.0674	0.002	0.071041
X09SFB14_4_71	3.95	0.13	0.074	0.0016	0.16364
X09SFB14_5_71	4.91	0.28	0.0777	0.0031	0.87181
X09SFB14_6_71	7.04	0.53	0.0994	0.006	0.78379
X09SFB14_7_71	11.47	0.8	0.145	0.0073	0.70986
X09SFB14_8_71	15.17	0.88	0.1744	0.0095	0.73819
X09SFB14_9_71	17.17	0.67	0.1901	0.0052	0.38201
X09SFB14_10_71	18.83	0.77	0.2008	0.0095	0.2215
X09SFB14_11_71	19.75	0.57	0.207	0.0089	0.18437
X09SFB14_12_71	19.77	0.69	0.2099	0.0058	0.15882
X09SFB14_1_72	322.6	7.6	2.907	0.062	0.81051
X09SFB14_2_72	326.3	7.6	2.925	0.059	0.84438
X09SFB14_3_72	330.3	7.4	2.947	0.063	0.84495
X09SFB14_4_72	337.4	5.1	3.024	0.063	0.91053
X09SFB14_5_72	338.9	3.9	2.987	0.047	0.77314
X09SFB14_6_72	347.1	4.5	3.095	0.037	0.73502
X09SFB14_7_72	362.2	4.8	3.221	0.05	0.71657
X09SFB14_8_72	380.8	6.1	3.417	0.061	0.74168
X09SFB14_9_72	383.8	9.5	3.377	0.073	0.76688
X09SFB14_10_72	357.7	4.5	3.188	0.04	0.62074
X09SFB14_11_72	351	9.3	3.114	0.086	0.88546
X09SFB14_12_72	324	7.3	2.846	0.075	0.84908
X09SFB14_1_73	12.8	1.5	0.139	0.013	0.76045
X09SFB14_2_73	11.11	0.67	0.131	0.011	0.61209
X09SFB14_3_73	11.6	1.2	0.135	0.012	0.86919
X09SFB14_4_73	7.38	0.39	0.1121	0.0068	0.26627
X09SFB14_5_73	6.88	0.4	0.1011	0.0077	0.099433
X09SFB14_6_73	6.18	0.31	0.0983	0.0047	0.15475
X09SFB14_7_73	5.45	0.32	0.0874	0.0055	0.30317
X09SFB14_8_73	5.6	0.35	0.0929	0.0046	0.45693
X09SFB14_9_73	6.4	0.23	0.1013	0.0043	0.25343
X09SFB14_10_73	7.17	0.27	0.1175	0.0049	0.53825
X09SFB14_11_73	7.01	0.44	0.1072	0.0051	0.12047
X09SFB14_12_73	7.6	0.42	0.1134	0.0073	0.040218
X09SFB14_1_74	664	67	5.91	0.54	0.98181

X09SFB14_2_74	1150	120	9.48	0.92	0.96158
X09SFB14_3_74	1080	280	9.5	3.1	0.98929
X09SFB14_4_74	1460	800	12.2	7.4	0.99808
X09SFB14_5_74	1970	380	17.2	3.5	0.96837
X09SFB14_6_74	2060	540	17.9	5.1	0.99373
X09SFB14_10_74	2290	680	19.4	4.8	0.98455
X09SFB14_11_74	2310	380	20.3	3.3	0.99308
X09SFB14_12_74	1910	360	16.3	3	0.99288
X09SFB14_1_75	12.2	0.64	0.138	0.01	0.0026484
X09SFB14_2_75	11.83	0.55	0.1297	0.0066	0.16399
X09SFB14_3_75	10.99	0.43	0.121	0.0076	0.2302
X09SFB14_4_75	11.62	0.66	0.1289	0.0074	0.022906
X09SFB14_5_75	11.47	0.56	0.1267	0.0065	0.12059
X09SFB14_6_75	12.01	0.67	0.132	0.0045	0.13733
X09SFB14_7_75	12.85	0.67	0.1291	0.0076	0.33424
X09SFB14_8_75	12.64	0.97	0.14	0.01	0.53318
X09SFB14_9_75	13.31	0.74	0.1513	0.0089	0.43407
X09SFB14_10_75	13.71	0.81	0.149	0.011	0.26357
X09SFB14_11_75	13.4	0.56	0.1363	0.0077	0.10228
X09SFB14_12_75	12.46	0.82	0.1324	0.0083	0.14804
X09SFB14__3	9.13	0.17	0.0867	0.0015	0.84813
X09SFB14__4	3.35	0.21	0.0812	0.0025	0.97658
X09SFB14__5	11.95	0.67	0.1456	0.0052	0.97085
X09SFB14__6	5.98	0.3	0.0873	0.0025	0.88957
X09SFB14__7	13.01	0.73	0.1458	0.0068	0.99219
X09SFB14__8	148.1	3.5	1.338	0.031	0.90873
X09SFB14__9	444	27	4.07	0.25	0.98825
X09SFB14__10	5.51	0.12	0.0704	0.0014	0.27894
X09SFB14__11	359.9	5	3.214	0.047	0.91796
X09SFB14__12	1010	30	8.96	0.27	0.97959
X09SFB14__13	740	120	6.4	1	0.99829
X09SFB14__14	119.4	2	1.054	0.02	0.92019
X09SFB14__16	15.48	0.36	0.1786	0.0035	0.90698
X09SFB14__17	5.19	0.14	0.0957	0.0017	0.5222
X09SFB14__18	1.87	0.2	0.0554	0.0022	0.96869
X09SFB14__19	3.89	0.71	0.0708	0.0058	0.98674
X09SFB14__20	412	10	3.515	0.092	0.93065
X09SFB14__21	6.68	0.48	0.0615	0.0039	0.86357
X09SFB14__22	1111	72	9.52	0.64	0.97989

X09SFB14__23	60	9.5	0.551	0.084	0.99831
X09SFB14__24	9.79	0.31	0.1088	0.0024	0.88702
X09SFB14__25	1.557	0.044	0.05862	0.00063	0.90072
X09SFB14__26	108.7	6.7	0.936	0.056	0.99027
X09SFB14__27	6.9	0.29	0.1056	0.0029	0.92455
X09SFB14__28	5.27	0.14	0.088	0.0014	0.71276
X09SFB14__29	4.62	0.54	0.0784	0.0047	0.99826
X09SFB14__30	1130	170	10.2	1.6	0.99274
X09SFB14__31	1030	130	8.7	1.1	0.98937
X09SFB14__32	15.36	0.86	0.1795	0.0066	0.92857
X09SFB14__33	384	11	3.226	0.093	0.93862
X09SFB14__34	367	46	3.02	0.38	0.98829
X09SFB14__37	328	41	2.8	0.31	0.91262
X09SFB14__38	466.5	8.8	3.965	0.075	0.93583
X09SFB14__39	20.7	1.6	0.22	0.015	0.95295
X09SFB14__40	223	31	2.02	0.28	0.96794
X09SFB14__41	9.4	0.54	0.1216	0.0052	0.98524
X09SFB14__42	6.86	0.19	0.105	0.0022	0.55651
X09SFB14__43	228	42	1.9	0.36	0.99562
X09SFB14__44	1740	490	13.7	3.8	1
X09SFB14__45	291	32	2.42	0.27	0.99045
X09SFB14__46	1060	220	9.2	1.9	0.99743
X09SFB14__47	2210	360	18.9	3	0.99558
X09SFB14__48	17.7	1.3	0.201	0.012	0.98695
X09SFB14__49	13.66	0.55	0.1675	0.0056	0.89804
X09SFB14__50	77.5	6.1	0.703	0.05	0.98904
X09SFB14__51	107.4	1.8	0.961	0.016	0.85118
X09SFB14__52	278.9	5	2.459	0.044	0.9174
X09SFB14__54	133	16	1.1	0.13	0.96475
X09SFB14__55	1300	44	10.76	0.36	0.9858
X09SFB14__56	22	2	0.242	0.021	0.95114
X09SFB14__57	71.3	2	0.57	0.017	0.84082
X09SFB14__59	9.92	0.66	0.107	0.0056	0.98955
X09SFB14__60	16.54	0.29	0.1786	0.0025	0.12304
X09SFB14__61	211.8	6.1	1.797	0.052	0.98244
X09SFB14__62	290.6	5.9	2.462	0.052	0.82331
X09SFB14__63	2029	60	17.42	0.54	0.97221
X09SFB14__64	8.19	0.14	0.1072	0.002	0.34835
X09SFB14__65	15.17	0.66	0.1729	0.0054	0.86388

X09SFB14__66	228	38	1.99	0.33	0.99415
X09SFB14__67	732	22	6.1	0.18	0.97299
X09SFB14__68	56.8	1.4	0.511	0.013	0.86427
X09SFB14__69	310	15	2.71	0.13	0.9332
X09SFB14__70	470	160	4.3	1.5	0.98078
X09SFB14__71	11.09	0.96	0.134	0.0083	0.97334
X09SFB14__72	343.9	3.1	3.064	0.028	0.93555
X09SFB14__73	7.99	0.4	0.1115	0.0031	0.91555
X09SFB14__74	1460	140	13	1.3	0.99144
X09SFB14__75	12.23	0.21	0.1345	0.0023	0.35091
X09SFB33__1	1.465	0.028	0.05557	0.00071	0.56397
X09SFB33__2	97.1	5.2	0.855	0.045	0.95456
X09SFB33__3	13.11	0.72	0.1428	0.0059	0.99346
X09SFB33__4	3.34	0.18	0.0719	0.0016	0.94917
X09SFB33__5	8.5	0.32	0.1126	0.0029	0.91477
X09SFB33__6	1.612	0.068	0.04929	0.00077	0.05136
X09SFB33__7	1.304	0.051	0.0556	0.00074	0.6936
X09SFB33__8	11.74	0.61	0.1584	0.0049	0.84282
X09SFB33__9	23.31	0.88	0.241	0.0075	0.93626
X09SFB33__10	17.14	0.38	0.1901	0.0042	0.69956
X09SFB33__11	8.92	0.2	0.1196	0.0021	0.70577
X09SFB33__12	14.2	3	0.168	0.026	0.98574
X09SFB33__13	8.486	0.089	0.1222	0.0012	0.63787
X09SFB33__14	123.3	2.5	1.069	0.023	0.8471
X09SFB33__15	101.7	3.6	0.904	0.031	0.94252
X09SFB33__16	116.1	3	1.026	0.024	0.86253
X09SFB33__17	3.59	0.14	0.072	0.0014	0.84172
X09SFB33__18	4.52	0.11	0.0862	0.0015	0.8712
X09SFB33__19	65.5	4.9	0.605	0.043	0.98192
X09SFB33__20	7.21	0.38	0.1117	0.0037	0.97747
X09SFB33__21	7.68	0.24	0.1073	0.0025	0.88966
X09SFB33__22	211	4.7	1.918	0.044	0.88473
X09SFB33__23	15.9	1	0.1764	0.0097	0.98455
X09SFB33__24	17.2	1	0.1587	0.0092	0.9325
X09SFB33__25	14.46	0.43	0.1551	0.004	0.71349
X09SFB33__26	7.67	0.17	0.1057	0.0017	0.84297
X09SFB33__27	25.2	5.2	0.261	0.045	0.99118
X09SFB33__28	9.86	0.27	0.1248	0.0027	0.84355

X09SFB33__29	21.25	0.64	0.2329	0.0064	0.91377
X09SFB33__30	0.3501	0.0051	0.04775	0.00053	0.70185
X09SFB33__31	15.2	1	0.1814	0.0093	0.97526
X09SFB33__32	27.3	1.6	0.282	0.014	0.98687
X09SFB33__33	72.8	3.5	0.642	0.028	0.97116
X09SFB33__34	50.4	1.6	0.47	0.014	0.90864
X09SFB33__35	15.6	1.9	0.174	0.016	0.99218
X09SFB33__36	3.1	0.21	0.0689	0.0018	0.95112
X09SFB33__37	6.83	0.58	0.1003	0.0056	0.99673
X09SFB33__38	117.7	5.7	0.991	0.044	0.97532
X09SFB33__39	45.57	0.72	0.43	0.0062	0.8904
X09SFB33__40	84.7	1.5	0.776	0.013	0.79434
X09SFB33__41	16.39	0.35	0.189	0.0035	0.86836
X09SFB33__42	64.2	2.5	0.615	0.022	0.92145
X09SFB33__43	3.29	0.15	0.0693	0.0016	0.85335
X09SFB33__44	114	20	0.97	0.17	0.98852
X09SFB33__45	7.63	0.13	0.1071	0.0014	0.58089
X09SFB33__46	30	6.3	0.32	0.057	0.99316
X09SFB33__47	7.93	0.24	0.1185	0.0021	0.97763
X09SFB33__48	41.2	3.6	0.385	0.03	0.98695
X09SFB33__49	316	13	2.69	0.12	0.99108
X09SFB33__50	15.5	2	0.185	0.017	0.9843
X09SFB33__51	8.61	0.34	0.1254	0.003	0.89093
X09SFB33__52	1.223	0.021	0.0547	0.00056	0.37453
X09SFB33__53	7.42	0.13	0.1033	0.0013	0.48861
X09SFB33__54	8.92	0.22	0.1169	0.0022	0.725
X09SFB33__55	17.3	1.4	0.212	0.013	0.96671
X09SFB33__56	6.52	0.15	0.0957	0.0013	0.88046
X09SFB33__57	10.16	0.32	0.1256	0.0033	0.9338
X09SFB33_1_1	1.459	0.073	0.0564	0.0024	0.3165
X09SFB33_2_1	1.376	0.071	0.0531	0.0023	0.59586
X09SFB33_3_1	1.31	0.036	0.0509	0.002	0.049332
X09SFB33_4_1	1.415	0.068	0.0507	0.0017	0.48345
X09SFB33_5_1	1.326	0.057	0.0522	0.002	0.60403
X09SFB33_6_1	1.274	0.065	0.051	0.002	0.72623
X09SFB33_7_1	1.356	0.059	0.0542	0.0021	0.15697
X09SFB33_8_1	1.375	0.057	0.0577	0.002	0.55885
X09SFB33_9_1	1.577	0.074	0.0603	0.002	0.64236

X09SFB33_10_1	1.593	0.073	0.0589	0.0022	0.13492
X09SFB33_11_1	1.683	0.061	0.0577	0.0022	0.17731
X09SFB33_12_1	1.78	0.1	0.0587	0.0017	0.16545
X09SFB33_1_2	117	13	1.019	0.091	0.91532
X09SFB33_2_2	220	23	1.87	0.24	0.82171
X09SFB33_3_2	171	19	1.46	0.16	0.81366
X09SFB33_4_2	136	17	1.14	0.16	0.94661
X09SFB33_5_2	99.9	7.7	0.877	0.066	0.73915
X09SFB33_6_2	85.4	4.6	0.79	0.037	0.19106
X09SFB33_7_2	92	12	0.746	0.092	0.77239
X09SFB33_8_2	86	5.1	0.749	0.051	0.53526
X09SFB33_9_2	86.1	8.5	0.734	0.077	0.5779
X09SFB33_10_2	71.3	5.1	0.655	0.053	0.81362
X09SFB33_11_2	68.2	4.1	0.618	0.052	0.59892
X09SFB33_12_2	61.1	5.4	0.521	0.04	0.58025
X09SFB33_1_3	17.95	0.76	0.1698	0.0078	0.83041
X09SFB33_2_3	41	13	0.41	0.12	0.99569
X09SFB33_3_3	17	1.3	0.174	0.011	0.9364
X09SFB33_4_3	15	1.3	0.165	0.013	0.91371
X09SFB33_5_3	15	1	0.1619	0.0098	0.88465
X09SFB33_6_3	10.74	0.79	0.1267	0.0088	0.94847
X09SFB33_7_3	10.66	0.66	0.1246	0.0066	0.73795
X09SFB33_8_3	9.46	0.24	0.1181	0.0042	0.41095
X09SFB33_9_3	8.22	0.31	0.1063	0.0035	0.73805
X09SFB33_10_3	7.75	0.22	0.0925	0.0035	0.70679
X09SFB33_11_3	8.49	0.44	0.1044	0.005	0.5844
X09SFB33_12_3	14.1	2.3	0.145	0.018	0.97016
X09SFB33_1_4	1.63	0.17	0.0599	0.0018	0.65829
X09SFB33_2_4	2.37	0.14	0.0641	0.0014	0.5568
X09SFB33_3_4	2.45	0.15	0.067	0.0026	0.39841
X09SFB33_4_4	2.308	0.078	0.063	0.0019	0.049627
X09SFB33_5_4	2.189	0.086	0.0612	0.0022	0.42242
X09SFB33_6_4	4.5	1.7	0.078	0.015	0.99634
X09SFB33_7_4	3.27	0.31	0.0701	0.0041	0.76291
X09SFB33_8_4	4.36	0.21	0.0783	0.0015	0.020905
X09SFB33_9_4	4.74	0.17	0.0871	0.004	0.11831
X09SFB33_10_4	4.72	0.24	0.083	0.0026	0.67183
X09SFB33_11_4	4.5	0.21	0.0809	0.0038	0.5272
X09SFB33_12_4	4.1	0.18	0.0765	0.0029	0.35757

X09SFB33_1_5	13.45	0.75	0.1583	0.009	0.77521
X09SFB33_2_5	13.41	0.6	0.1577	0.006	0.67098
X09SFB33_3_5	11.24	0.46	0.1381	0.0072	0.55222
X09SFB33_4_5	8.85	0.22	0.1156	0.0043	0.54049
X09SFB33_5_5	8.83	0.42	0.1104	0.0051	0.70192
X09SFB33_6_5	7.88	0.37	0.1052	0.0046	0.25189
X09SFB33_7_5	7.53	0.28	0.1026	0.0035	0.57037
X09SFB33_8_5	6.83	0.3	0.1001	0.0034	0.25316
X09SFB33_9_5	6.62	0.25	0.1002	0.0041	0.095902
X09SFB33_10_5	6.62	0.38	0.1019	0.003	0.036161
X09SFB33_11_5	6.9	0.32	0.1029	0.0043	0.42373
X09SFB33_12_5	6.88	0.26	0.0992	0.0049	0.10126
X09SFB33_1_6	1.048	0.055	0.0612	0.0017	0.56325
X09SFB33_2_6	1.083	0.042	0.0542	0.0022	0.39309
X09SFB33_3_6	1.144	0.037	0.0491	0.0011	0.45197
X09SFB33_4_6	1.544	0.086	0.0504	0.0018	0.31763
X09SFB33_5_6	1.55	0.17	0.0485	0.0016	0.55827
X09SFB33_6_6	1.386	0.046	0.0462	0.0012	0.125
X09SFB33_7_6	1.82	0.35	0.05	0.0033	0.93708
X09SFB33_8_6	1.5	0.15	0.045	0.0023	0.88617
X09SFB33_9_6	2.3	0.19	0.051	0.0017	0.55136
X09SFB33_10_6	2.02	0.14	0.0481	0.003	0.82093
X09SFB33_11_6	2.24	0.2	0.0468	0.003	0.87855
X09SFB33_12_6	2.128	0.081	0.0461	0.0014	0.25061
X09SFB33_1_7	1.021	0.051	0.0516	0.0019	0.36599
X09SFB33_2_7	0.92	0.046	0.0533	0.0025	0.66114
X09SFB33_3_7	1.036	0.044	0.0522	0.0015	0.54136
X09SFB33_4_7	1.006	0.036	0.0542	0.0018	0.57141
X09SFB33_5_7	0.981	0.056	0.0521	0.0021	0.30404
X09SFB33_6_7	1.027	0.042	0.0523	0.0022	0.54273
X09SFB33_7_7	1.178	0.064	0.0543	0.0024	0.32157
X09SFB33_8_7	1.367	0.078	0.0602	0.002	0.30693
X09SFB33_9_7	1.608	0.074	0.0606	0.0022	0.25338
X09SFB33_10_7	1.75	0.07	0.0598	0.0024	0.29727
X09SFB33_11_7	1.8	0.12	0.0585	0.0019	0.21004
X09SFB33_12_7	1.83	0.12	0.0589	0.0025	0.60868
X09SFB33_1_8	15.6	1.2	0.192	0.013	0.7501
X09SFB33_2_8	14.35	0.91	0.1615	0.009	0.051437
X09SFB33_3_8	12.35	0.75	0.1533	0.0062	0.27444

X09SFB33_4_8	12.13	0.76	0.1432	0.0074	0.51766
X09SFB33_5_8	11.97	0.56	0.1507	0.0089	0.064022
X09SFB33_6_8	9.66	0.71	0.1359	0.0068	0.24013
X09SFB33_7_8	5.42	0.8	0.1189	0.0094	0.95137
X09SFB33_8_8	3.99	0.28	0.106	0.0052	0.48306
X09SFB33_9_8	7.9	0.78	0.1501	0.0074	0.79531
X09SFB33_10_8	13.7	1.4	0.1831	0.0096	0.67794
X09SFB33_11_8	18.72	0.9	0.221	0.012	0.71218
X09SFB33_12_8	14.47	0.72	0.1809	0.0061	0.48641
X09SFB33_1_9	36.4	1.5	0.351	0.01	0.39172
X09SFB33_2_9	29.3	1.2	0.292	0.013	0.65422
X09SFB33_3_9	29.35	0.79	0.2842	0.009	0.19912
X09SFB33_4_9	29.4	1.1	0.291	0.013	0.55621
X09SFB33_5_9	26.29	0.78	0.2616	0.0097	0.68247
X09SFB33_6_9	24.25	0.9	0.2438	0.0085	0.49551
X09SFB33_7_9	22.19	0.36	0.2301	0.0045	0.30639
X09SFB33_8_9	20.74	0.72	0.2131	0.0067	0.56122
X09SFB33_9_9	18.95	0.78	0.2069	0.0088	0.22408
X09SFB33_10_9	18.35	0.82	0.1983	0.0099	0.61462
X09SFB33_11_9	18.52	0.95	0.204	0.0097	0.53113
X09SFB33_12_9	13.31	0.39	0.1559	0.0096	0.44254
X09SFB33_1_10	15.07	0.59	0.1733	0.0074	0.57931
X09SFB33_2_10	15.06	0.75	0.171	0.01	0.13011
X09SFB33_3_10	15.81	0.85	0.175	0.01	0.61006
X09SFB33_4_10	16.36	0.84	0.183	0.011	0.33346
X09SFB33_5_10	14.95	0.41	0.1717	0.0053	0.404
X09SFB33_6_10	13.88	0.7	0.152	0.01	0.44747
X09SFB33_7_10	14.1	1.2	0.1641	0.0088	0.72223
X09SFB33_8_10	18.6	1	0.1971	0.0047	0.4853
X09SFB33_9_10	19.7	1.1	0.2138	0.0098	0.18976
X09SFB33_10_10	20.53	0.61	0.22	0.012	0.027154
X09SFB33_11_10	20.09	0.69	0.225	0.011	0.44011
X09SFB33_12_10	18.81	0.97	0.2236	0.009	0.32952
X09SFB33_1_11	9.03	0.76	0.1184	0.0079	0.70196
X09SFB33_2_11	7.77	0.47	0.1045	0.0051	0.53305
X09SFB33_3_11	7.55	0.23	0.107	0.003	0.75373
X09SFB33_4_11	7.74	0.32	0.1085	0.0067	0.62821
X09SFB33_5_11	7.97	0.29	0.1148	0.005	0.24685
X09SFB33_6_11	8	0.31	0.1135	0.0058	0.10025

X09SFB33_7_11	8.8	0.35	0.1172	0.0052	0.66691
X09SFB33_8_11	9.56	0.44	0.1271	0.0065	0.62731
X09SFB33_9_11	9.92	0.42	0.1276	0.0057	0.45305
X09SFB33_10_11	10.03	0.28	0.1303	0.0069	0.030135
X09SFB33_11_11	10.35	0.43	0.1263	0.0054	0.53597
X09SFB33_12_11	10.4	0.5	0.1395	0.0066	0.27559
X09SFB33_1_12	61	19	0.48	0.15	0.97745
X09SFB33_2_12	77.4	8	0.703	0.078	0.80818
X09SFB33_3_12	43.8	4.4	0.439	0.05	0.77962
X09SFB33_4_12	19.1	3	0.194	0.026	0.9552
X09SFB33_5_12	7.89	0.87	0.1114	0.0094	0.89419
X09SFB33_6_12	5.34	0.32	0.0901	0.0047	0.37203
X09SFB33_7_12	3.7	0.18	0.0773	0.0043	0.1652
X09SFB33_8_12	3	0.18	0.0728	0.0022	0.5339
X09SFB33_9_12	2.51	0.11	0.0685	0.0018	0.42937
X09SFB33_10_12	2.34	0.2	0.068	0.0024	0.28209
X09SFB33_11_12	1.931	0.07	0.062	0.0025	0.46936
X09SFB33_12_12	1.88	0.11	0.063	0.0024	0.11402
X09SFB33_1_13	9.07	0.2	0.1323	0.0053	0.5388
X09SFB33_2_13	8.56	0.19	0.1243	0.0044	0.46672
X09SFB33_3_13	8.21	0.22	0.116	0.0037	0.65973
X09SFB33_4_13	8.15	0.28	0.1147	0.0034	0.7649
X09SFB33_5_13	8.17	0.26	0.1151	0.0042	0.6346
X09SFB33_6_13	8.08	0.24	0.1174	0.0043	0.41919
X09SFB33_7_13	8.26	0.24	0.1203	0.0038	0.6613
X09SFB33_8_13	8.58	0.29	0.1208	0.0051	0.73813
X09SFB33_9_13	9.16	0.3	0.1289	0.0026	0.53695
X09SFB33_10_13	8.79	0.28	0.1295	0.0031	0.15925
X09SFB33_11_13	8.62	0.31	0.1254	0.0033	0.49451
X09SFB33_12_13	8.22	0.32	0.1229	0.004	0.69703
X09SFB33_1_14	116.2	6.4	1.026	0.064	0.87122
X09SFB33_2_14	123.3	7.2	1.056	0.068	0.67567
X09SFB33_3_14	138.1	7.4	1.201	0.061	0.75335
X09SFB33_4_14	140.1	5.2	1.223	0.066	0.46151
X09SFB33_5_14	140	10	1.196	0.077	0.83762
X09SFB33_6_14	126.1	5.9	1.067	0.059	0.7561
X09SFB33_7_14	129.1	5.3	1.103	0.047	0.66828
X09SFB33_8_14	130.9	6.6	1.115	0.063	0.74363
X09SFB33_9_14	118.9	3.8	1.083	0.058	0.51515

X09SFB33_10_14	123	6.9	1.065	0.06	0.66648
X09SFB33_11_14	106.5	6.4	0.896	0.077	0.82574
X09SFB33_12_14	95.9	5.3	0.821	0.049	0.67666
X09SFB33_1_15	52.7	3.9	0.51	0.043	0.58791
X09SFB33_2_15	64	4	0.582	0.025	0.64087
X09SFB33_3_15	72.8	2.8	0.643	0.028	0.70399
X09SFB33_4_15	81.4	4.2	0.702	0.036	0.64089
X09SFB33_5_15	101	4.1	0.891	0.053	0.83394
X09SFB33_6_15	122.6	7.4	1.02	0.075	0.76889
X09SFB33_7_15	122.6	7.1	1.069	0.061	0.78609
X09SFB33_8_15	121.8	3.7	1.095	0.037	0.48037
X09SFB33_9_15	117.3	4.9	1.027	0.045	0.78779
X09SFB33_10_15	115.6	5	1.019	0.051	0.83571
X09SFB33_11_15	120.3	3.4	1.096	0.06	0.47903
X09SFB33_12_15	110.8	6.7	0.992	0.058	0.86427
X09SFB33_1_16	84	7	0.74	0.057	0.85708
X09SFB33_2_16	111	10	0.974	0.086	0.7455
X09SFB33_3_16	115.4	9.2	1	0.056	0.78383
X09SFB33_4_16	123	10	1.068	0.082	0.78384
X09SFB33_5_16	115	13	1.07	0.12	0.93047
X09SFB33_6_16	123.1	9.3	1.102	0.075	0.87929
X09SFB33_7_16	112	7.7	0.997	0.063	0.72712
X09SFB33_8_16	104.6	6.6	0.94	0.052	0.57084
X09SFB33_9_16	123	10	1.058	0.076	0.85875
X09SFB33_10_16	137.2	6.7	1.174	0.062	0.70189
X09SFB33_11_16	122.7	7.8	1.05	0.07	0.82637
X09SFB33_12_16	119.9	8.1	1.063	0.089	0.81951
X09SFB33_1_17	2.88	0.12	0.0698	0.0024	0.56925
X09SFB33_2_17	2.43	0.1	0.0635	0.0017	0.30362
X09SFB33_3_17	2.37	0.097	0.0607	0.0014	0.0055835
X09SFB33_4_17	2.444	0.044	0.0614	0.0017	0.07153
X09SFB33_5_17	2.682	0.095	0.0633	0.0024	0.42942
X09SFB33_6_17	3.24	0.14	0.0677	0.002	0.78308
X09SFB33_7_17	4.3	0.31	0.077	0.0041	0.6915
X09SFB33_8_17	4.82	0.16	0.085	0.0033	0.0019763
X09SFB33_9_17	5.12	0.25	0.0884	0.0039	0.033576
X09SFB33_10_17	4.78	0.26	0.0844	0.0044	0.37826
X09SFB33_11_17	4.26	0.24	0.0774	0.0034	0.54968
X09SFB33_12_17	3.96	0.21	0.0743	0.0037	0.4596

X09SFB33_1_18	7.5	1.2	0.11	0.011	0.94346
X09SFB33_2_18	4.72	0.19	0.0864	0.0055	0.6655
X09SFB33_3_18	4.26	0.16	0.0815	0.0027	0.16216
X09SFB33_4_18	3.81	0.14	0.0771	0.005	0.16124
X09SFB33_5_18	4.32	0.3	0.0814	0.005	0.87065
X09SFB33_6_18	3.59	0.28	0.0769	0.0042	0.75707
X09SFB33_7_18	5.15	0.24	0.0924	0.0032	0.26643
X09SFB33_8_18	4.88	0.25	0.0908	0.0051	0.66674
X09SFB33_9_18	5.14	0.33	0.0941	0.0031	0.5423
X09SFB33_10_18	4.79	0.22	0.0889	0.0036	0.6407
X09SFB33_11_18	4	0.25	0.084	0.004	0.67904
X09SFB33_12_18	4.23	0.15	0.084	0.0041	0.42498
X09SFB33_1_19	160	16	1.29	0.17	0.92668
X09SFB33_2_19	163	13	1.41	0.11	0.85773
X09SFB33_3_19	110.5	8.2	0.982	0.069	0.87778
X09SFB33_4_19	82.5	6.1	0.727	0.047	0.67783
X09SFB33_5_19	67.4	2.8	0.6	0.026	0.74113
X09SFB33_6_19	58	2.2	0.533	0.027	0.88955
X09SFB33_7_19	49.8	2.4	0.487	0.018	0.58179
X09SFB33_8_19	42.9	1.6	0.417	0.022	0.63009
X09SFB33_9_19	41.2	1.5	0.394	0.015	0.41986
X09SFB33_10_19	42.2	2.3	0.394	0.017	0.7566
X09SFB33_11_19	40.6	1.9	0.381	0.012	0.34908
X09SFB33_12_19	37.9	1.4	0.372	0.017	0.46153
X09SFB33_1_20	22.8	7.5	0.24	0.062	0.9739
X09SFB33_2_20	3.88	0.2	0.0766	0.0027	0.52412
X09SFB33_3_20	4.67	0.21	0.0902	0.0037	0.56116
X09SFB33_4_20	5.55	0.32	0.0915	0.0043	0.63823
X09SFB33_5_20	5.56	0.32	0.095	0.0037	0.49105
X09SFB33_6_20	6.31	0.34	0.0986	0.0059	0.38984
X09SFB33_7_20	6.48	0.34	0.1042	0.0067	0.55587
X09SFB33_8_20	7.03	0.26	0.1152	0.0059	0.6061
X09SFB33_9_20	7.82	0.36	0.1199	0.0045	0.35191
X09SFB33_10_20	9.17	0.37	0.135	0.0062	0.37066
X09SFB33_11_20	9.31	0.26	0.1316	0.0046	0.062886
X09SFB33_12_20	9.25	0.38	0.1352	0.0059	0.41109
X09SFB33_1_21	7.23	0.51	0.1032	0.0065	0.64566
X09SFB33_2_21	11.2	1.2	0.139	0.015	0.87572
X09SFB33_3_21	12.2	1.9	0.146	0.017	0.96491

X09SFB33_4_21	9.4	1	0.1195	0.0098	0.86635
X09SFB33_5_21	6.73	0.53	0.0955	0.0091	0.96689
X09SFB33_6_21	6.56	0.23	0.0981	0.0059	0.40422
X09SFB33_7_21	6.45	0.36	0.0966	0.0043	0.32204
X09SFB33_8_21	6.74	0.39	0.1025	0.0047	0.48758
X09SFB33_9_21	7.52	0.53	0.1068	0.0048	0.33777
X09SFB33_10_21	6.87	0.33	0.1033	0.0054	0.33284
X09SFB33_11_21	7.4	0.38	0.1037	0.0065	0.61642
X09SFB33_12_21	7.73	0.54	0.1096	0.0082	0.78099
X09SFB33_1_22	242	14	2.26	0.12	0.83432
X09SFB33_2_22	273	15	2.506	0.068	0.52894
X09SFB33_3_22	250	14	2.23	0.12	0.72831
X09SFB33_4_22	233	17	2.07	0.12	0.80967
X09SFB33_5_22	227	15	2	0.12	0.77963
X09SFB33_6_22	202.4	6	1.827	0.072	0.57886
X09SFB33_7_22	200	12	1.791	0.065	0.89216
X09SFB33_8_22	204	11	1.866	0.084	0.72261
X09SFB33_9_22	186.6	6	1.721	0.081	0.89129
X09SFB33_10_22	199.5	6.1	1.846	0.071	0.64795
X09SFB33_11_22	186.7	6.2	1.719	0.053	0.40525
X09SFB33_12_22	179.8	5.7	1.579	0.065	0.58976
X09SFB33_1_23	52.5	5.6	0.524	0.048	0.89595
X09SFB33_2_23	25.9	2.4	0.273	0.029	0.86389
X09SFB33_3_23	11.93	0.69	0.146	0.01	0.86198
X09SFB33_4_23	10.8	1.1	0.133	0.011	0.80017
X09SFB33_5_23	16	0.95	0.1741	0.0086	0.60318
X09SFB33_6_23	13.75	0.87	0.1568	0.0071	0.37718
X09SFB33_7_23	17.13	0.79	0.184	0.012	0.86877
X09SFB33_8_23	18.18	0.52	0.1872	0.0095	0.27163
X09SFB33_9_23	17.18	0.5	0.183	0.0066	0.27436
X09SFB33_10_23	13.82	0.49	0.1595	0.0091	0.57801
X09SFB33_11_23	11.14	0.44	0.1317	0.0091	0.64685
X09SFB33_12_23	8.78	0.49	0.1147	0.0042	0.39903
X09SFB33_1_24	52.4	6.5	0.455	0.052	0.87869
X09SFB33_2_24	29.1	3	0.271	0.039	0.81613
X09SFB33_3_24	20	1.6	0.189	0.019	0.12994
X09SFB33_4_24	16.4	1.6	0.145	0.013	0.29424
X09SFB33_5_24	15.9	1.8	0.148	0.017	0.63503
X09SFB33_6_24	12.4	1.3	0.125	0.011	0.81754

X09SFB33_7_24	14.4	1.3	0.125	0.015	0.4556
X09SFB33_8_24	14	1.3	0.142	0.016	0.12551
X09SFB33_9_24	13	1.3	0.139	0.016	0.1272
X09SFB33_10_24	13	1.2	0.121	0.016	0.36665
X09SFB33_11_24	14.3	2.2	0.137	0.015	0.52622
X09SFB33_12_24	14.9	2.2	0.133	0.025	0.68293
X09SFB33_1_25	20.7	1.3	0.201	0.014	0.39268
X09SFB33_2_25	15.12	0.98	0.152	0.011	0.2778
X09SFB33_3_25	13.13	0.71	0.152	0.011	0.2618
X09SFB33_4_25	12.34	0.9	0.1346	0.0082	0.6387
X09SFB33_5_25	12.1	1	0.1293	0.0057	0.099746
X09SFB33_6_25	11.57	0.7	0.1297	0.0052	0.086342
X09SFB33_7_25	11.95	0.47	0.1364	0.0082	0.078618
X09SFB33_8_25	13.42	0.73	0.149	0.0096	0.45485
X09SFB33_9_25	14.43	0.98	0.161	0.012	0.37519
X09SFB33_10_25	14.19	0.64	0.1589	0.0094	0.36209
X09SFB33_11_25	14.68	0.68	0.161	0.011	0.19175
X09SFB33_12_25	18.27	0.98	0.19	0.013	0.48359
X09SFB33_1_26	8.27	0.56	0.1197	0.009	0.76575
X09SFB33_2_26	7.63	0.49	0.1045	0.0057	0.75696
X09SFB33_3_26	7.18	0.22	0.1014	0.0032	0.29937
X09SFB33_4_26	6.85	0.3	0.0971	0.0044	0.74023
X09SFB33_5_26	7.19	0.3	0.0956	0.0038	0.55915
X09SFB33_6_26	7.53	0.24	0.1068	0.0045	0.76394
X09SFB33_7_26	8.01	0.39	0.1128	0.0031	0.54002
X09SFB33_8_26	9.71	0.84	0.122	0.0077	0.85705
X09SFB33_9_26	7.56	0.44	0.1083	0.0051	0.76773
X09SFB33_10_26	7.44	0.6	0.1075	0.0062	0.84714
X09SFB33_11_26	7.95	0.98	0.1032	0.0085	0.93609
X09SFB33_12_26	6.79	0.56	0.0999	0.0053	0.84185
X09SFB33_1_27	127	15	1.16	0.11	0.93977
X09SFB33_2_27	103	11	0.9	0.1	0.86187
X09SFB33_3_27	64	11	0.551	0.081	0.91014
X09SFB33_4_27	14.5	2.7	0.166	0.028	0.97223
X09SFB33_5_27	9.21	0.56	0.118	0.0066	0.4466
X09SFB33_6_27	7.72	0.51	0.109	0.0054	0.36245
X09SFB33_7_27	6.17	0.31	0.0974	0.0055	0.48886
X09SFB33_8_27	5.52	0.33	0.0891	0.0033	0.32698
X09SFB33_9_27	6.03	0.17	0.0954	0.0029	0.22714

X09SFB33_10_27	5.98	0.19	0.096	0.0027	0.062773
X09SFB33_11_27	5.47	0.12	0.0895	0.0027	0.0296
X09SFB33_12_27	6.35	0.27	0.0927	0.0036	0.48467
X09SFB33_1_28	12.8	1.9	0.149	0.018	0.9758
X09SFB33_2_28	10.08	0.55	0.1203	0.0062	0.70242
X09SFB33_3_28	9.42	0.35	0.1238	0.0064	0.33462
X09SFB33_4_28	9.82	0.52	0.1214	0.0077	0.67338
X09SFB33_5_28	9.71	0.86	0.1126	0.0053	0.12764
X09SFB33_6_28	10.21	0.47	0.1212	0.0072	0.36991
X09SFB33_7_28	10.41	0.46	0.1313	0.0086	0.40723
X09SFB33_8_28	10.15	0.35	0.1309	0.0074	0.051676
X09SFB33_9_28	10.69	0.48	0.1332	0.0064	0.19084
X09SFB33_10_28	10.29	0.52	0.1351	0.0082	0.27021
X09SFB33_11_28	8.99	0.49	0.1205	0.0077	0.44289
X09SFB33_12_28	6.49	0.54	0.1013	0.0066	0.72829
X09SFB33_1_29	3.28	0.61	0.0723	0.0074	0.92393
X09SFB33_2_29	12.8	1.2	0.156	0.016	0.84285
X09SFB33_3_29	20.3	1.5	0.234	0.02	0.91549
X09SFB33_4_29	22.8	1.4	0.246	0.018	0.62258
X09SFB33_5_29	20.4	1.1	0.228	0.013	0.48791
X09SFB33_6_29	20.8	1.1	0.234	0.017	0.79145
X09SFB33_7_29	20.8	1.4	0.225	0.011	0.38444
X09SFB33_8_29	23.6	1.7	0.261	0.015	0.54254
X09SFB33_9_29	23.7	1.6	0.249	0.02	0.5196
X09SFB33_10_29	23.6	1.2	0.255	0.0093	0.16407
X09SFB33_11_29	22.6	1.3	0.247	0.016	0.61706
X09SFB33_12_29	22.2	1.8	0.234	0.015	0.6407
X09SFB33_1_30	0.339	0.014	0.04528	0.00054	0.38516
X09SFB33_2_30	0.3199	0.0077	0.0452	0.001	0.19081
X09SFB33_3_30	0.321	0.018	0.04439	0.00064	0.12306
X09SFB33_4_30	0.302	0.014	0.04403	0.00099	0.68034
X09SFB33_5_30	0.3215	0.0096	0.0451	0.0011	0.099706
X09SFB33_6_30	0.338	0.018	0.04614	0.00099	0.68752
X09SFB33_7_30	0.346	0.015	0.0485	0.0021	0.51097
X09SFB33_8_30	0.376	0.015	0.05066	0.00076	0.56331
X09SFB33_9_30	0.409	0.015	0.0533	0.0015	0.45465
X09SFB33_10_30	0.375	0.015	0.0521	0.0011	0.46412
X09SFB33_11_30	0.378	0.021	0.0516	0.0013	0.55004
X09SFB33_12_30	0.369	0.011	0.05028	0.00085	0.27514

X09SFB33_1_31	35.9	3.8	0.363	0.042	0.92849
X09SFB33_2_31	27.7	1.9	0.29	0.017	0.88305
X09SFB33_3_31	21.9	1.5	0.24	0.013	0.78204
X09SFB33_4_31	20.09	0.93	0.2074	0.0065	0.44457
X09SFB33_5_31	16.47	0.68	0.1929	0.0086	0.67666
X09SFB33_6_31	12.67	0.48	0.1456	0.008	0.73968
X09SFB33_7_31	11.71	0.77	0.1496	0.0091	0.78047
X09SFB33_8_31	10.2	1.4	0.141	0.013	0.83874
X09SFB33_9_31	10.75	0.69	0.1364	0.0071	0.56029
X09SFB33_10_31	10.03	0.45	0.1373	0.0069	0.47348
X09SFB33_11_31	9.12	0.29	0.1306	0.0055	0.4814
X09SFB33_12_31	9.24	0.59	0.1252	0.0063	0.45697
X09SFB33_1_32	73.8	8.9	0.672	0.067	0.94985
X09SFB33_2_32	43.1	1.6	0.423	0.024	0.82631
X09SFB33_3_32	37.1	1.2	0.3632	0.0092	0.59031
X09SFB33_4_32	27.1	1.6	0.279	0.012	0.85634
X09SFB33_5_32	23.4	1	0.244	0.01	0.47505
X09SFB33_6_32	18.9	1.2	0.215	0.013	0.63637
X09SFB33_7_32	20.3	0.98	0.229	0.011	0.66954
X09SFB33_8_32	24.32	0.91	0.2594	0.0075	0.16405
X09SFB33_9_32	26.04	0.51	0.2711	0.0074	0.65894
X09SFB33_10_32	26.54	0.69	0.278	0.0095	0.42541
X09SFB33_11_32	14.5	3.4	0.169	0.03	0.97244
X09SFB33_12_32	20.05	0.61	0.225	0.0073	0.60145
X09SFB33_1_33	118.4	7.1	1.015	0.08	0.88285
X09SFB33_2_33	104.5	6.3	0.898	0.046	0.56494
X09SFB33_3_33	93.2	4.8	0.807	0.053	0.67544
X09SFB33_4_33	79.3	4	0.691	0.03	0.86886
X09SFB33_5_33	80.1	5.7	0.678	0.063	0.90997
X09SFB33_6_33	85.3	9.4	0.777	0.074	0.97887
X09SFB33_7_33	59.4	2.7	0.516	0.026	0.70876
X09SFB33_8_33	56.2	4	0.521	0.03	0.81781
X09SFB33_9_33	51.2	2.1	0.505	0.038	0.75264
X09SFB33_10_33	55.3	4.9	0.508	0.04	0.86333
X09SFB33_11_33	47.7	3	0.444	0.03	0.71196
X09SFB33_12_33	45.5	3.5	0.439	0.035	0.86646
X09SFB33_1_34	86.4	5	0.753	0.054	0.56643
X09SFB33_2_34	74.1	3.5	0.664	0.018	0.25117
X09SFB33_3_34	61.9	2.9	0.575	0.028	0.73612

X09SFB33_4_34	54.3	1.6	0.504	0.027	0.24918
X09SFB33_5_34	48.7	1.8	0.431	0.015	0.24246
X09SFB33_6_34	52.8	1.8	0.489	0.02	0.60558
X09SFB33_7_34	45.8	1.6	0.426	0.025	0.4538
X09SFB33_8_34	46.3	2	0.419	0.027	0.75284
X09SFB33_9_34	43.5	1.7	0.393	0.025	0.65571
X09SFB33_10_34	43.5	1.5	0.403	0.015	0.5485
X09SFB33_11_34	42.7	1.8	0.397	0.023	0.59962
X09SFB33_12_34	38.5	2.2	0.379	0.017	0.68399
X09SFB33_1_35	22.3	5.8	0.27	0.058	0.98597
X09SFB33_2_35	7.77	0.47	0.1153	0.0063	0.55451
X09SFB33_3_35	6.33	0.38	0.0999	0.0063	0.32532
X09SFB33_4_35	5.13	0.19	0.0861	0.0031	0.094854
X09SFB33_5_35	5.43	0.24	0.0891	0.0029	0.56725
X09SFB33_6_35	17.8	4.3	0.192	0.039	0.99817
X09SFB33_7_35	49	23	0.55	0.24	0.99097
X09SFB33_8_35	7.87	0.55	0.1122	0.0043	0.82471
X09SFB33_9_35	9.44	0.72	0.1255	0.0085	0.90406
X09SFB33_10_35	26.3	7.5	0.257	0.06	0.96501
X09SFB33_11_35	14.93	0.85	0.171	0.0067	0.69302
X09SFB33_12_35	22	5.2	0.228	0.045	0.98706
X09SFB33_1_36	6.98	0.47	0.1018	0.0076	0.86377
X09SFB33_2_36	5.55	0.29	0.0896	0.0035	0.2663
X09SFB33_3_36	4.72	0.26	0.0834	0.0032	0.38359
X09SFB33_4_36	3.57	0.25	0.0697	0.0042	0.7614
X09SFB33_5_36	2.51	0.15	0.0623	0.0012	0.10077
X09SFB33_6_36	2.134	0.08	0.0585	0.0018	0.60223
X09SFB33_7_36	2.043	0.076	0.0605	0.0012	0.26217
X09SFB33_8_36	2.139	0.081	0.0616	0.0019	0.31719
X09SFB33_9_36	2.163	0.068	0.063	0.0018	0.4878
X09SFB33_10_36	2.28	0.085	0.0646	0.0016	0.43284
X09SFB33_11_36	2.29	0.1	0.0639	0.0034	0.53178
X09SFB33_12_36	2.22	0.11	0.0639	0.0024	0.45257
X09SFB33_1_37	10.11	0.77	0.1242	0.0076	0.75566
X09SFB33_2_37	9.3	1.7	0.115	0.013	0.956
X09SFB33_3_37	7.21	0.89	0.1006	0.0077	0.76234
X09SFB33_4_37	4.24	0.26	0.0742	0.0032	0.94138
X09SFB33_5_37	4.77	0.44	0.0799	0.0038	0.70771
X09SFB33_6_37	4.31	0.36	0.078	0.0053	0.70771

X09SFB33_7_37	4.25	0.21	0.0751	0.0026	0.82669
X09SFB33_8_37	5.18	0.67	0.087	0.0078	0.93462
X09SFB33_9_37	12.1	6.8	0.149	0.055	0.99814
X09SFB33_10_37	16.2	9	0.188	0.077	0.99857
X09SFB33_11_37	17.9	9.1	0.167	0.059	0.99818
X09SFB33_12_37	4.68	0.45	0.0825	0.0052	0.90741
X09SFB33_1_38	259	32	2.24	0.29	0.91861
X09SFB33_2_38	255	37	2.08	0.26	0.95272
X09SFB33_3_38	123	11	0.958	0.072	0.79364
X09SFB33_4_38	102.6	6.8	0.833	0.046	0.62413
X09SFB33_5_38	103.8	5.4	0.85	0.033	0.67698
X09SFB33_6_38	101.3	5.5	0.864	0.051	0.7689
X09SFB33_7_38	111.1	6.4	0.93	0.029	0.67789
X09SFB33_8_38	114	5.9	0.97	0.041	0.71461
X09SFB33_9_38	116.7	6.5	1.021	0.033	0.81511
X09SFB33_10_38	126.3	8	1.106	0.058	0.80564
X09SFB33_11_38	103.1	8.5	0.937	0.078	0.92053
X09SFB33_12_38	73	7.3	0.661	0.053	0.84749
X09SFB33_1_39	50.2	5	0.473	0.043	0.916
X09SFB33_2_39	41.7	1.8	0.41	0.017	0.71541
X09SFB33_3_39	45.3	2.2	0.424	0.017	0.44679
X09SFB33_4_39	42.3	3.9	0.413	0.026	0.84912
X09SFB33_5_39	42.5	2.8	0.394	0.023	0.72166
X09SFB33_6_39	44.2	1.3	0.392	0.018	0.51159
X09SFB33_7_39	46.6	1.8	0.427	0.014	0.27129
X09SFB33_8_39	45.9	1.5	0.429	0.012	0.75351
X09SFB33_9_39	46.4	2.2	0.448	0.014	0.59689
X09SFB33_10_39	48.5	1.5	0.46	0.019	0.62958
X09SFB33_11_39	46.3	1.5	0.464	0.011	0.70708
X09SFB33_12_39	47.4	2	0.449	0.014	0.71803
X09SFB33_1_40	97.9	7.8	0.892	0.066	0.91644
X09SFB33_2_40	96.4	5.4	0.859	0.034	0.67314
X09SFB33_3_40	89.1	3.4	0.79	0.035	0.4509
X09SFB33_4_40	85	5.7	0.745	0.048	0.80685
X09SFB33_5_40	77.2	2.8	0.702	0.023	0.87505
X09SFB33_6_40	82.4	2.9	0.719	0.034	0.54247
X09SFB33_7_40	85.7	3.2	0.742	0.024	0.51941
X09SFB33_8_40	87.7	3.8	0.787	0.035	0.69532
X09SFB33_9_40	86.5	4.2	0.807	0.053	0.84012

X09SFB33_10_40	87.3	4.9	0.843	0.054	0.64116
X09SFB33_11_40	75.6	2.8	0.772	0.047	0.70588
X09SFB33_12_40	74.8	3.7	0.741	0.038	0.40346
X09SFB33_1_41	20.6	1.4	0.215	0.012	0.7887
X09SFB33_2_41	19.44	0.89	0.2089	0.0082	0.65803
X09SFB33_3_41	14.92	0.68	0.1744	0.0085	0.74716
X09SFB33_4_41	14.63	0.52	0.1621	0.0076	0.5036
X09SFB33_5_41	14.61	0.84	0.175	0.014	0.60966
X09SFB33_6_41	15.84	0.88	0.194	0.011	0.91426
X09SFB33_7_41	16.02	0.95	0.187	0.013	0.73227
X09SFB33_8_41	17.66	0.75	0.1992	0.0086	0.81589
X09SFB33_9_41	17.01	0.83	0.201	0.011	0.57892
X09SFB33_10_41	14.56	0.41	0.1793	0.0066	0.56724
X09SFB33_11_41	14.92	0.57	0.1784	0.0064	0.47514
X09SFB33_12_41	15.91	0.71	0.185	0.0074	0.65545
X09SFB33_1_42	86.8	5.7	0.786	0.029	0.72678
X09SFB33_2_42	88.7	7.9	0.821	0.05	0.77389
X09SFB33_3_42	91	3.3	0.88	0.044	0.53692
X09SFB33_4_42	83.3	5	0.811	0.045	0.43643
X09SFB33_5_42	65.7	4.1	0.616	0.058	0.92973
X09SFB33_6_42	46.3	2.7	0.472	0.019	0.69647
X09SFB33_7_42	43.2	1.9	0.451	0.023	0.3492
X09SFB33_8_42	46.6	2.3	0.462	0.026	0.69416
X09SFB33_9_42	51.1	3.4	0.522	0.032	0.76959
X09SFB33_10_42	53.5	2.9	0.531	0.027	0.47175
X09SFB33_11_42	60.4	3.8	0.573	0.038	0.90334
X09SFB33_12_42	60	2.6	0.579	0.03	0.57107
X09SFB33_1_43	2.22	0.14	0.0588	0.003	0.37688
X09SFB33_2_43	2.1	0.14	0.0596	0.0019	0.69528
X09SFB33_3_43	2.06	0.12	0.058	0.0014	0.45231
X09SFB33_4_43	2.229	0.093	0.0575	0.0018	0.18453
X09SFB33_5_43	2.65	0.14	0.0626	0.0031	0.71647
X09SFB33_6_43	2.97	0.13	0.0639	0.0021	0.32276
X09SFB33_7_43	3.24	0.16	0.0674	0.0026	0.40276
X09SFB33_8_43	3.79	0.19	0.0725	0.0017	0.53108
X09SFB33_9_43	4.2	0.24	0.08	0.0023	0.44252
X09SFB33_10_43	4.32	0.31	0.0858	0.0038	0.10211
X09SFB33_11_43	4.79	0.24	0.0832	0.0034	0.6112
X09SFB33_12_43	4.59	0.27	0.0835	0.0034	0.19941

X09SFB33_1_44	208	57	1.75	0.57	0.96198
X09SFB33_2_44	445	42	3.82	0.43	0.90045
X09SFB33_3_44	410	64	3.62	0.54	0.91626
X09SFB33_4_44	373	58	3.24	0.54	0.95743
X09SFB33_5_44	104	13	0.89	0.12	0.98912
X09SFB33_6_44	52.3	7.5	0.517	0.067	0.94936
X09SFB33_7_44	30.4	4.3	0.297	0.044	0.93106
X09SFB33_8_44	26.7	3.6	0.282	0.042	0.7681
X09SFB33_9_44	21.8	2.3	0.228	0.021	0.58807
X09SFB33_10_44	15	1.4	0.168	0.013	0.88642
X09SFB33_11_44	10.93	0.84	0.1464	0.0079	0.72384
X09SFB33_12_44	11.5	1.3	0.14	0.013	0.79935
X09SFB33_1_45	7.53	0.68	0.1014	0.0047	0.49819
X09SFB33_2_45	6.75	0.48	0.0956	0.0044	0.63816
X09SFB33_3_45	6.99	0.42	0.0979	0.0056	0.49236
X09SFB33_4_45	7.4	0.43	0.1041	0.0047	0.36182
X09SFB33_5_45	7.4	0.55	0.105	0.0046	0.23591
X09SFB33_6_45	7.56	0.46	0.1074	0.0059	0.71912
X09SFB33_7_45	7.75	0.36	0.1104	0.0054	0.48064
X09SFB33_8_45	7.75	0.46	0.1099	0.0049	0.41855
X09SFB33_9_45	8.01	0.35	0.1121	0.0041	0.49542
X09SFB33_10_45	8.14	0.29	0.1122	0.004	0.6906
X09SFB33_11_45	8.18	0.4	0.111	0.0049	0.20702
X09SFB33_12_45	7.72	0.26	0.1135	0.0036	0.20435
X09SFB33_1_46	224	25	1.99	0.22	0.91114
X09SFB33_2_46	116	12	1.088	0.086	0.90657
X09SFB33_3_46	89.3	6.2	0.885	0.055	0.88258
X09SFB33_4_46	56.7	7.6	0.555	0.064	0.97523
X09SFB33_5_46	21	5.9	0.244	0.054	0.98804
X09SFB33_6_46	6	1.1	0.1	0.011	0.9472
X09SFB33_7_46	4.43	0.36	0.0907	0.0035	0.8263
X09SFB33_8_46	2.84	0.14	0.075	0.0029	0.75499
X09SFB33_9_46	2.08	0.19	0.0669	0.003	0.78355
X09SFB33_10_46	1.54	0.2	0.06	0.0039	0.92728
X09SFB33_11_46	1.6	0.11	0.06	0.0037	0.8926
X09SFB33_12_46	1.561	0.089	0.0607	0.0022	0.86744
X09SFB33_1_47	16.5	3.1	0.179	0.022	0.98968
X09SFB33_2_47	9.94	0.3	0.1318	0.0044	0.75729
X09SFB33_3_47	9.55	0.45	0.1278	0.0042	0.88309

X09SFB33_4_47	7.8	0.44	0.1148	0.003	0.62559
X09SFB33_5_47	6.62	0.17	0.1031	0.0024	0.35169
X09SFB33_6_47	7.11	0.23	0.112	0.0045	0.40213
X09SFB33_7_47	7.39	0.2	0.1134	0.0025	0.31161
X09SFB33_8_47	7.52	0.37	0.1141	0.0033	0.20322
X09SFB33_9_47	6.96	0.22	0.1129	0.0035	0.20656
X09SFB33_10_47	7.11	0.25	0.113	0.004	0.47129
X09SFB33_11_47	7.08	0.35	0.1174	0.0062	0.32346
X09SFB33_12_47	7.12	0.29	0.1137	0.0031	0.62824
X09SFB33_1_48	93	7.9	0.778	0.066	0.73091
X09SFB33_2_48	112	18	0.99	0.15	0.97765
X09SFB33_3_48	112	22	1	0.2	0.98794
X09SFB33_4_48	40.9	2.9	0.388	0.025	0.77485
X09SFB33_5_48	29.3	1.5	0.303	0.016	0.68412
X09SFB33_6_48	24.4	1.1	0.262	0.0089	0.19569
X09SFB33_7_48	24.6	1.1	0.24	0.011	0.054666
X09SFB33_8_48	25.14	0.88	0.254	0.012	0.13438
X09SFB33_9_48	28.52	0.85	0.28	0.013	0.069583
X09SFB33_10_48	28.6	1.3	0.277	0.014	0.51283
X09SFB33_11_48	29.6	1.7	0.311	0.017	0.584
X09SFB33_12_48	30	1.2	0.297	0.017	0.21053
X09SFB33_1_49	517	83	4.24	0.67	0.99224
X09SFB33_2_49	588	58	4.98	0.49	0.95836
X09SFB33_3_49	415	36	3.56	0.29	0.97628
X09SFB33_4_49	282	13	2.35	0.11	0.87533
X09SFB33_5_49	306	18	2.55	0.12	0.82091
X09SFB33_6_49	253	14	2.18	0.13	0.92125
X09SFB33_7_49	228.5	5.7	1.878	0.056	0.82934
X09SFB33_8_49	245.5	7.8	2.084	0.073	0.77893
X09SFB33_9_49	259.5	8.9	2.217	0.082	0.91603
X09SFB33_10_49	299.3	9.2	2.504	0.085	0.81758
X09SFB33_11_49	311	12	2.595	0.083	0.78468
X09SFB33_12_49	304	13	2.619	0.099	0.88264
X09SFB33_1_50	63.2	5.2	0.583	0.037	0.59234
X09SFB33_2_50	45.3	2.9	0.419	0.018	0.50558
X09SFB33_3_50	31	1.7	0.297	0.021	0.77807
X09SFB33_4_50	22.09	0.63	0.235	0.01	0.45146
X09SFB33_5_50	17.39	0.92	0.1931	0.0099	0.79536
X09SFB33_6_50	13.82	0.73	0.1645	0.009	0.84088

X09SFB33_7_50	8.8	0.63	0.1219	0.007	0.87479
X09SFB33_8_50	5.17	0.33	0.0957	0.0053	0.73311
X09SFB33_9_50	4.26	0.18	0.0884	0.0021	0.48835
X09SFB33_10_50	4.76	0.26	0.0968	0.0048	0.4964
X09SFB33_11_50	5.29	0.3	0.0978	0.0043	0.87479
X09SFB33_12_50	5.94	0.28	0.1075	0.0044	0.50577
X09SFB33_1_51	5.97	0.19	0.1075	0.0032	0.5694
X09SFB33_2_51	5.84	0.17	0.1029	0.0034	0.45743
X09SFB33_3_51	5.53	0.19	0.0992	0.0029	0.33148
X09SFB33_4_51	6.24	0.2	0.103	0.0031	0.021195
X09SFB33_5_51	7.16	0.18	0.113	0.0026	0.30921
X09SFB33_6_51	8.18	0.31	0.117	0.0018	0.4185
X09SFB33_7_51	8.56	0.43	0.1241	0.0062	0.46058
X09SFB33_8_51	10.1	0.39	0.1353	0.0066	0.48397
X09SFB33_9_51	10.77	0.59	0.1452	0.0051	0.38763
X09SFB33_10_51	11.16	0.55	0.1452	0.005	0.33077
X09SFB33_11_51	11.95	0.54	0.1544	0.0083	0.59969
X09SFB33_12_51	11.68	0.61	0.1601	0.006	0.15959
X09SFB33_1_52	1.16	0.051	0.0545	0.0024	0.10094
X09SFB33_2_52	1.387	0.059	0.0531	0.0019	0.3558
X09SFB33_3_52	1.55	0.063	0.0562	0.0022	0.2085
X09SFB33_4_52	1.372	0.075	0.054	0.0024	0.66239
X09SFB33_5_52	1.212	0.072	0.0534	0.0022	0.48447
X09SFB33_6_52	1.147	0.047	0.0554	0.0019	0.62356
X09SFB33_7_52	1.201	0.037	0.0545	0.0023	0.14056
X09SFB33_8_52	1.224	0.066	0.057	0.0021	0.59194
X09SFB33_9_52	1.19	0.044	0.0579	0.0013	0.2072
X09SFB33_10_52	1.237	0.049	0.0556	0.0012	0.44914
X09SFB33_11_52	1.158	0.06	0.0541	0.0018	0.64438
X09SFB33_12_52	1.107	0.038	0.0515	0.0015	0.45071
X09SFB33_1_53	8.77	0.42	0.1093	0.0053	0.51451
X09SFB33_2_53	7.95	0.31	0.0977	0.0027	0.2465
X09SFB33_3_53	7.51	0.44	0.1024	0.0037	0.0071852
X09SFB33_4_53	7.22	0.4	0.0984	0.0049	0.43478
X09SFB33_5_53	7.17	0.44	0.0961	0.005	0.71286
X09SFB33_6_53	7.45	0.36	0.0958	0.0029	0.21929
X09SFB33_7_53	7.5	0.3	0.1021	0.0029	0.18309
X09SFB33_8_53	7.75	0.38	0.1105	0.0033	0.24893
X09SFB33_9_53	7.62	0.34	0.1108	0.0052	0.57688

X09SFB33_10_53	7.68	0.38	0.1069	0.0045	0.20908
X09SFB33_11_53	6.96	0.25	0.1058	0.0039	0.2352
X09SFB33_12_53	6.16	0.28	0.0996	0.0044	0.37239
X09SFB33_1_54	12.28	0.5	0.1437	0.0045	0.22483
X09SFB33_2_54	11.92	0.51	0.1425	0.0063	0.19898
X09SFB33_3_54	10.59	0.46	0.1295	0.0073	0.43906
X09SFB33_4_54	9.2	0.41	0.1209	0.0042	0.42861
X09SFB33_5_54	9.19	0.43	0.1124	0.0058	0.49605
X09SFB33_6_54	8.82	0.55	0.1162	0.0054	0.096499
X09SFB33_7_54	8.22	0.41	0.1116	0.0056	0.049415
X09SFB33_8_54	8.64	0.24	0.1122	0.0045	0.39449
X09SFB33_9_54	8.11	0.19	0.1091	0.0057	0.35524
X09SFB33_10_54	8.09	0.34	0.1092	0.0051	0.58069
X09SFB33_11_54	7.72	0.22	0.1068	0.0037	0.14779
X09SFB33_12_54	7.33	0.27	0.1034	0.0036	0.05065
X09SFB33_1_55	62.4	5.5	0.571	0.068	0.88545
X09SFB33_2_55	36.1	3.6	0.348	0.033	0.67256
X09SFB33_3_55	24.3	1.7	0.265	0.02	0.55011
X09SFB33_4_55	18.6	1.2	0.219	0.017	0.81992
X09SFB33_5_55	15.22	0.62	0.186	0.012	0.67992
X09SFB33_6_55	14.25	0.91	0.179	0.015	0.52176
X09SFB33_7_55	13.09	0.54	0.1614	0.0089	0.62055
X09SFB33_8_55	12.28	0.56	0.159	0.01	0.55918
X09SFB33_9_55	13.38	0.91	0.176	0.011	0.71647
X09SFB33_10_55	11.36	0.67	0.1721	0.0094	0.45639
X09SFB33_11_55	11.51	0.44	0.1634	0.0085	0.44638
X09SFB33_12_55	10.89	0.27	0.152	0.0086	0.5058
X09SFB33_1_56	9.4	0.56	0.1242	0.0058	0.70564
X09SFB33_2_56	7.86	0.23	0.1052	0.0028	0.60138
X09SFB33_3_56	7.2	0.22	0.1003	0.0038	0.28039
X09SFB33_4_56	6.88	0.26	0.0987	0.0041	0.023734
X09SFB33_5_56	6.44	0.17	0.093	0.002	0.15292
X09SFB33_6_56	6.48	0.16	0.0943	0.002	0.089343
X09SFB33_7_56	6.35	0.13	0.0934	0.0035	0.38523
X09SFB33_8_56	6.42	0.24	0.0928	0.0036	0.5473
X09SFB33_9_56	5.95	0.21	0.0941	0.0032	0.58788
X09SFB33_10_56	5.92	0.18	0.0913	0.002	0.075769
X09SFB33_11_56	5.5	0.23	0.0909	0.002	0.36987
X09SFB33_12_56	5.24	0.21	0.0895	0.0021	0.59329

X09SFB33_1_57	12.7	2.1	0.147	0.021	0.93457
X09SFB33_2_57	7.99	0.47	0.108	0.0063	0.57786
X09SFB33_3_57	7.62	0.31	0.0991	0.0045	0.028681
X09SFB33_4_57	7.93	0.48	0.1023	0.0049	0.33512
X09SFB33_5_57	8.85	0.46	0.1135	0.0049	0.49221
X09SFB33_6_57	9.2	0.33	0.1138	0.0068	0.077944
X09SFB33_7_57	10.14	0.46	0.1258	0.0076	0.19593
X09SFB33_8_57	10.81	0.51	0.1323	0.0063	0.18818
X09SFB33_9_57	11.18	0.19	0.1436	0.0093	0.40501
X09SFB33_10_57	11.72	0.56	0.1397	0.0081	0.25573
X09SFB33_11_57	12.27	0.56	0.144	0.0091	0.014776
X09SFB33_12_57	11.78	0.44	0.1363	0.0081	0.073772
PJ15_05_1_1	2.34	0.23	0.0693	0.0064	0.55
PJ15_05_2_1	2.78	0.14	0.0713	0.0093	0.11913
PJ15_05_3_1	2.97	0.31	0.0722	0.0071	0.1743
PJ15_05_4_1	6.06	0.73	0.106	0.016	0.66945
PJ15_05_5_1	8.8	1.3	0.1211	0.0066	0.58955
PJ15_05_6_1	9.1	1.4	0.129	0.0051	0.30475
PJ15_05_7_1	13.5	3.6	0.155	0.031	0.88966
PJ15_05_8_1	14.7	2.2	0.176	0.021	0.64569
PJ15_05_9_1	15	2.1	0.185	0.037	0.80773
PJ15_05_10_1	16.4	2.2	0.206	0.049	0.81358
PJ15_05_11_1	17.2	4.8	0.21	0.071	0.88674
PJ15_05_12_1	22.1	5.1	0.268	0.079	0.923
PJ15_05_13_1	19.2	2.7	0.204	0.031	0.89266
PJ15_05_14_1	24.2	4.5	0.272	0.063	0.71309
PJ15_05_1_2	2.13	0.21	0.0622	0.0076	0.45638
PJ15_05_2_2	2.32	0.14	0.0704	0.0056	0.94535
PJ15_05_3_2	2.52	0.14	0.0666	0.0049	0.76325
PJ15_05_4_2	2.7	0.35	0.063	0.0061	0.056797
PJ15_05_5_2	2.98	0.28	0.0699	0.0053	0.51179
PJ15_05_6_2	3.55	0.28	0.0637	0.0052	0.26051
PJ15_05_7_2	4.59	0.61	0.074	0.011	0.011105
PJ15_05_8_2	5.21	0.34	0.0882	0.0097	0.4649
PJ15_05_9_2	6.21	0.65	0.0962	0.0067	0.60657
PJ15_05_10_2	7.8	1.1	0.113	0.018	0.80936
PJ15_05_11_2	8.61	0.78	0.128	0.013	0.026839
PJ15_05_12_2	8.78	0.64	0.108	0.016	0.65547
PJ15_05_13_2	9.6	0.42	0.121	0.015	0.74148

PJ15_05_14_2	10.2	1.2	0.138	0.01	0.61261
PJ15_05_1_3	1.62	0.12	0.0637	0.0055	0.7619
PJ15_05_2_3	1.73	0.19	0.0614	0.0046	0.60534
PJ15_05_3_3	3.1	0.62	0.0741	0.0074	0.70189
PJ15_05_4_3	4.43	0.23	0.084	0.0071	0.069766
PJ15_05_5_3	5.91	0.43	0.098	0.012	0.71427
PJ15_05_6_3	6.51	0.87	0.101	0.01	0.88581
PJ15_05_7_3	6.82	0.15	0.108	0.006	0.684
PJ15_05_8_3	6.81	0.31	0.0985	0.0084	0.29784
PJ15_05_9_3	7.14	0.29	0.1036	0.0084	0.2352
PJ15_05_10_3	7.15	0.46	0.117	0.015	0.85448
PJ15_05_11_3	6.34	0.43	0.1114	0.0053	0.24629
PJ15_05_12_3	7.14	0.73	0.113	0.01	0.30112
PJ15_05_13_3	7.22	0.73	0.1103	0.0068	0.70983
PJ15_05_14_3	7.06	0.53	0.11	0.014	0.48478
PJ15_05_1_4	4.71	0.46	0.0994	0.0094	0.9129
PJ15_05_2_4	2.8	0.23	0.0697	0.0053	0.80281
PJ15_05_3_4	2.41	0.17	0.0669	0.0048	0.5192
PJ15_05_4_4	2.48	0.1	0.0648	0.0032	0.0031038
PJ15_05_5_4	2.7	0.21	0.0675	0.0062	0.62203
PJ15_05_6_4	2.7	0.41	0.0694	0.0037	0.092451
PJ15_05_7_4	2.74	0.2	0.0668	0.0062	0.29368
PJ15_05_8_4	2.51	0.15	0.0673	0.004	0.031486
PJ15_05_9_4	2.57	0.32	0.0708	0.0066	0.35307
PJ15_05_10_4	3.11	0.16	0.0734	0.0057	0.12807
PJ15_05_11_4	3.39	0.25	0.0815	0.0087	0.81684
PJ15_05_12_4	3.42	0.25	0.0827	0.0045	0.61731
PJ15_05_13_4	3.25	0.15	0.0748	0.0038	0.30138
PJ15_05_14_4	3.53	0.28	0.0761	0.0045	0.45784
PJ15_05_1_5	4.47	0.34	0.0898	0.0097	0.85213
PJ15_05_2_5	6.6	1.4	0.1	0.019	0.80084
PJ15_05_3_5	6.9	1	0.113	0.015	0.57257
PJ15_05_4_5	7.68	0.81	0.11	0.0062	0.4139
PJ15_05_5_5	8.3	1.6	0.129	0.019	0.79212
PJ15_05_6_5	11.8	2	0.166	0.027	0.55601
PJ15_05_7_5	14.5	2.9	0.193	0.034	0.75486
PJ15_05_8_5	14.4	2.3	0.188	0.028	0.64244
PJ15_05_9_5	14.3	2.5	0.187	0.04	0.82717
PJ15_05_10_5	16.7	4.6	0.215	0.043	0.9735

PJ15_05_11_5	17.3	3.8	0.209	0.056	0.89024
PJ15_05_12_5	12.45	0.57	0.145	0.023	0.2925
PJ15_05_13_5	13.3	1.6	0.171	0.018	0.43244
PJ15_05_14_5	36	21	0.35	0.16	0.98163
PJ15_05_1_6	2.26	0.22	0.0674	0.0058	0.72521
PJ15_05_2_6	3.21	0.33	0.0764	0.0086	0.63096
PJ15_05_3_6	3.92	0.2	0.0835	0.0059	0.77613
PJ15_05_4_6	5	0.74	0.09	0.017	0.52388
PJ15_05_5_6	6.63	0.41	0.1113	0.0044	0.91439
PJ15_05_6_6	7.4	1.2	0.115	0.011	0.4057
PJ15_05_7_6	6.76	0.46	0.1086	0.0081	0.60859
PJ15_05_8_6	6.83	0.6	0.1069	0.0091	0.11164
PJ15_05_9_6	9.8	2.5	0.122	0.028	0.87164
PJ15_05_10_6	7.49	0.25	0.0984	0.0079	0.31648
PJ15_05_11_6	7.04	0.5	0.103	0.013	0.49312
PJ15_05_12_6	7.7	1.1	0.126	0.025	0.59366
PJ15_05_13_6	5.48	0.67	0.112	0.034	0.24038
PJ15_05_14_6	5.9	1	0.088	0.018	0.94295
PJ15_05_1_7	3.93	0.64	0.0855	0.0085	0.91625
PJ15_05_2_7	4.22	0.3	0.0779	0.006	0.40508
PJ15_05_3_7	4.95	0.82	0.094	0.015	0.80786
PJ15_05_4_7	5.85	0.68	0.0973	0.0092	0.42282
PJ15_05_5_7	5.36	0.66	0.0869	0.0073	0.74174
PJ15_05_6_7	5.15	0.36	0.092	0.011	0.68738
PJ15_05_7_7	6.09	0.61	0.1	0.011	0.42727
PJ15_05_8_7	7.09	0.27	0.1164	0.009	0.46222
PJ15_05_9_7	7.65	0.24	0.117	0.013	0.36969
PJ15_05_10_7	7.83	0.55	0.116	0.01	0.40592
PJ15_05_11_7	8.64	0.81	0.127	0.013	0.79154
PJ15_05_12_7	7.83	0.5	0.115	0.011	0.69532
PJ15_05_13_7	10.3	1.6	0.145	0.025	0.83512
PJ15_05_14_7	8.91	0.98	0.124	0.026	0.74278
PJ15_05_1_8	1.61	0.18	0.0608	0.0023	0.16564
PJ15_05_2_8	2.16	0.22	0.0656	0.0055	0.49603
PJ15_05_3_8	2.35	0.5	0.066	0.011	0.86615
PJ15_05_4_8	2.43	0.19	0.0674	0.0031	0.60902
PJ15_05_5_8	3.24	0.37	0.0765	0.0043	0.061343
PJ15_05_6_8	3.32	0.41	0.0724	0.0076	0.4228
PJ15_05_7_8	2.69	0.2	0.0665	0.0061	0.1729

PJ15_05_8_8	3.3	0.53	0.0743	0.006	0.6268
PJ15_05_9_8	2.66	0.24	0.0679	0.0013	0.87701
PJ15_05_10_8	3.81	0.49	0.077	0.0055	0.86144
PJ15_05_11_8	3.99	0.33	0.0826	0.0049	0.83368
PJ15_05_12_8	12.4	5.8	0.156	0.055	0.99366
PJ15_05_13_8	4.3	1	0.089	0.0078	0.71832
PJ15_05_14_8	3.47	0.5	0.0737	0.0053	0.92712
PJ15_05_1_9	2.32	0.14	0.0661	0.0037	0.030447
PJ15_05_2_9	3.21	0.35	0.0778	0.0066	0.49067
PJ15_05_3_9	2.7	0.35	0.0713	0.0064	0.69221
PJ15_05_4_9	2.54	0.11	0.0676	0.0044	0.43093
PJ15_05_5_9	2.73	0.2	0.0699	0.0024	0.31093
PJ15_05_6_9	3.09	0.26	0.0758	0.0088	0.86183
PJ15_05_7_9	3.28	0.27	0.07258	0.00072	0.029057
PJ15_05_8_9	3.68	0.39	0.0788	0.0094	0.84485
PJ15_05_9_9	4.74	0.55	0.0925	0.0086	0.77478
PJ15_05_10_9	6.13	0.59	0.1047	0.0058	0.63147
PJ15_05_11_9	7.56	0.66	0.1246	0.0092	0.083086
PJ15_05_12_9	7.63	0.48	0.1192	0.0092	0.36621
PJ15_05_13_9	7.65	0.83	0.113	0.015	0.66658
PJ15_05_14_9	9.18	0.82	0.124	0.016	0.82989
PJ15_05_1_10	1.59	0.11	0.0585	0.0037	0.17056
PJ15_05_2_10	1.9	0.17	0.0648	0.0051	0.58979
PJ15_05_3_10	2.12	0.15	0.0646	0.0055	0.064809
PJ15_05_4_10	2.6	0.35	0.0721	0.0078	0.14213
PJ15_05_5_10	2.97	0.28	0.078	0.0036	0.1983
PJ15_05_6_10	3.12	0.34	0.0705	0.0031	0.69984
PJ15_05_7_10	3.65	0.17	0.0806	0.009	0.21915
PJ15_05_8_10	3.44	0.16	0.0762	0.0083	0.77172
PJ15_05_9_10	2.99	0.21	0.0724	0.0042	0.22212
PJ15_05_10_10	3.06	0.16	0.0757	0.0054	0.37779
PJ15_05_11_10	2.63	0.18	0.0741	0.0078	0.30783
PJ15_05_12_10	2.52	0.16	0.0719	0.0061	0.31536
PJ15_05_13_10	2.55	0.11	0.0644	0.004	0.78207
PJ15_05_14_10	2.78	0.27	0.0629	0.0074	0.37639
PJ15_05_1_11	1.98	0.21	0.0691	0.0025	0.34298
PJ15_05_2_11	2.23	0.25	0.0749	0.0071	0.79776
PJ15_05_3_11	1.76	0.39	0.0611	0.002	0.64168
PJ15_05_4_11	1.46	0.16	0.06	0.0014	0.37379

PJ15_05_5_11	1.38	0.12	0.063	0.0026	0.35441
PJ15_05_6_11	1.266	0.087	0.0585	0.0054	0.16017
PJ15_05_7_11	1.39	0.16	0.0608	0.0034	0.76756
PJ15_05_8_11	1.17	0.07	0.0568	0.0022	0.32794
PJ15_05_9_11	1.088	0.049	0.0567	0.0042	0.17066
PJ15_05_10_11	1.167	0.086	0.0583	0.0049	0.62418
PJ15_05_11_11	1.054	0.082	0.055	0.0036	0.7318
PJ15_05_12_11	1.061	0.091	0.0588	0.0051	0.78198
PJ15_05_13_11	1.135	0.084	0.0541	0.0042	0.69563
PJ15_05_14_11	1.071	0.073	0.054	0.0022	0.041388
PJ15_05_1_12	3.29	0.61	0.076	0.01	0.9115
PJ15_05_2_12	4.09	0.4	0.0866	0.007	0.51766
PJ15_05_3_12	4.34	0.39	0.0847	0.0067	0.23026
PJ15_05_4_12	5.44	0.76	0.091	0.011	0.48078
PJ15_05_5_12	4.95	0.51	0.0912	0.0088	0.42008
PJ15_05_6_12	5.42	0.38	0.091	0.01	0.3348
PJ15_05_7_12	51	36	0.49	0.3	0.99859
PJ15_05_8_12	150	160	1.4	1.4	0.99982
PJ15_05_9_12	18.3	5.8	0.218	0.067	0.97454
PJ15_05_10_12	25	21	0.27	0.2	0.99963
PJ15_05_11_12	4.7	1.2	0.084	0.014	0.99073
PJ15_05_12_12	5.5	1.6	0.097	0.014	0.74727
PJ15_05_13_12	5.4	2	0.097	0.022	0.88962
PJ15_05_14_12	3.56	0.34	0.0763	0.0073	0.52333
PJ15_05_1_13	4.98	0.52	0.0926	0.0075	0.40532
PJ15_05_2_13	7.1	1.5	0.107	0.015	0.92542
PJ15_05_3_13	10.3	2	0.149	0.017	0.85024
PJ15_05_4_13	8.28	0.66	0.125	0.0076	0.76511
PJ15_05_5_13	12.7	2.3	0.148	0.017	0.77325
PJ15_05_6_13	11.6	1.4	0.148	0.027	0.68909
PJ15_05_7_13	15.5	1.6	0.166	0.023	0.94217
PJ15_05_8_13	15.26	0.88	0.157	0.029	0.84916
PJ15_05_9_13	13.7	4.1	0.161	0.052	0.94927
PJ15_05_10_13	16.7	1.4	0.197	0.017	0.90793
PJ15_05_11_13	19.2	1.6	0.218	0.027	0.72875
PJ15_05_12_13	20.7	3.1	0.23	0.031	0.97324
PJ15_05_13_13	21.8	2.8	0.239	0.036	0.83993
PJ15_05_14_13	19.41	0.98	0.222	0.036	0.73473
PJ15_05_1_14	0.425	0.045	0.0505	0.0033	0.035026

PJ15_05_2_14	0.369	0.043	0.0506	0.0052	0.81337
PJ15_05_3_14	0.362	0.019	0.05	0.0031	0.58553
PJ15_05_4_14	0.34	0.012	0.0481	0.0035	0.41597
PJ15_05_5_14	0.34	0.011	0.0465	0.0024	0.38592
PJ15_05_6_14	0.366	0.031	0.0501	0.0012	0.67311
PJ15_05_7_14	0.362	0.033	0.0517	0.0034	0.80784
PJ15_05_8_14	0.368	0.026	0.0501	0.0022	0.76061
PJ15_05_9_14	0.366	0.023	0.0522	0.0036	0.82185
PJ15_05_10_14	0.37	0.015	0.0532	0.0033	0.85363
PJ15_05_11_14	0.385	0.025	0.0519	0.0022	0.10844
PJ15_05_12_14	0.379	0.017	0.052	0.0013	0.44619
PJ15_05_13_14	0.397	0.018	0.0538	0.0043	0.45092
PJ15_05_14_14	0.409	0.022	0.0522	0.0032	0.6928
PJ15_05_1_15	1.89	0.14	0.071	0.0031	0.69227
PJ15_05_2_15	2.02	0.19	0.0677	0.0047	0.215
PJ15_05_3_15	2.53	0.34	0.0736	0.0078	0.56744
PJ15_05_4_15	3.04	0.35	0.0754	0.0078	0.35851
PJ15_05_5_15	4.43	0.54	0.0811	0.0087	0.49355
PJ15_05_6_15	6.82	0.95	0.116	0.011	0.79491
PJ15_05_7_15	12.1	2.1	0.149	0.024	0.64088
PJ15_05_8_15	19.7	3.5	0.216	0.033	0.99614
PJ15_05_9_15	74	41	0.68	0.36	0.98795
PJ15_05_10_15	35.7	7.6	0.359	0.05	0.85241
PJ15_05_11_15	32	9.4	0.339	0.071	0.84423
PJ15_05_12_15	22	3.1	0.2332	0.0067	0.80034
PJ15_05_13_15	25.2	5	0.274	0.013	0.51051
PJ15_05_14_15	24.9	2	0.258	0.061	0.90168
PJ15_05_1_16	1.73	0.23	0.061	0.0044	0.055085
PJ15_05_2_16	1.42	0.13	0.0595	0.004	0.55264
PJ15_05_3_16	1.28	0.17	0.0562	0.0058	0.71319
PJ15_05_4_16	1.488	0.073	0.0615	0.0039	0.12253
PJ15_05_5_16	1.51	0.13	0.0575	0.0057	0.67743
PJ15_05_6_16	1.54	0.16	0.0606	0.0045	0.63181
PJ15_05_7_16	1.57	0.11	0.0631	0.0019	0.063424
PJ15_05_8_16	1.681	0.092	0.064	0.0042	0.36488
PJ15_05_9_16	1.99	0.2	0.0637	0.0062	0.37757
PJ15_05_10_16	1.78	0.13	0.0613	0.0035	0.17609
PJ15_05_11_16	2	0.38	0.0698	0.0087	0.37298
PJ15_05_12_16	3	1.2	0.0664	0.0049	0.78119

PJ15_05_13_16	2.79	0.89	0.0664	0.0092	0.54577
PJ15_05_14_16	120	140	1.2	1.3	0.99267
PJ15_05_1_17	1.59	0.12	0.0638	0.0048	0.58543
PJ15_05_2_17	1.4	0.13	0.0631	0.0014	0.57711
PJ15_05_3_17	1.52	0.1	0.0618	0.0034	0.54243
PJ15_05_4_17	1.59	0.13	0.0592	0.0055	0.075304
PJ15_05_5_17	2.11	0.21	0.068	0.0041	0.64739
PJ15_05_6_17	1.66	0.11	0.0596	0.0023	0.12418
PJ15_05_7_17	1.9	0.14	0.0638	0.0028	0.41152
PJ15_05_8_17	1.79	0.12	0.0633	0.0052	0.19861
PJ15_05_9_17	1.804	0.081	0.0648	0.0042	0.18588
PJ15_05_10_17	1.88	0.14	0.0654	0.0037	0.50161
PJ15_05_11_17	1.96	0.13	0.0657	0.0017	0.33567
PJ15_05_12_17	2.03	0.22	0.0632	0.0043	0.34492
PJ15_05_13_17	2.27	0.54	0.0689	0.0087	0.81536
PJ15_05_14_17	2.29	0.34	0.0672	0.0055	0.93538
PJ15_05_1_18	3.03	0.91	0.076	0.012	0.898
PJ15_05_2_18	6.15	0.74	0.101	0.011	0.67839
PJ15_05_3_18	7.43	0.99	0.109	0.016	0.38482
PJ15_05_4_18	8.68	0.51	0.1116	0.0066	0.58161
PJ15_05_5_18	8.7	1.1	0.127	0.019	0.54747
PJ15_05_6_18	9.7	1.7	0.135	0.012	0.73141
PJ15_05_7_18	9.8	1.1	0.132	0.018	0.59789
PJ15_05_8_18	9.21	0.88	0.139	0.016	0.088842
PJ15_05_9_18	8.7	1.1	0.138	0.019	0.29511
PJ15_05_10_18	7.61	0.91	0.1146	0.0062	0.52508
PJ15_05_11_18	7.27	0.49	0.106	0.017	0.71903
PJ15_05_12_18	6.61	0.54	0.101	0.012	0.88889
PJ15_05_13_18	7.3	0.93	0.107	0.01	0.30548
PJ15_05_14_18	7.82	0.25	0.115	0.012	0.56561
PJ15_05_1_19	2.45	0.13	0.0721	0.0028	0.22426
PJ15_05_2_19	2.67	0.16	0.0731	0.0073	0.20605
PJ15_05_3_19	2.95	0.24	0.0698	0.0046	0.65169
PJ15_05_4_19	3.46	0.3	0.0787	0.003	0.40498
PJ15_05_5_19	4.19	0.33	0.0804	0.0019	0.84358
PJ15_05_6_19	4.69	0.42	0.0836	0.0095	0.5382
PJ15_05_7_19	4.36	0.31	0.086	0.011	0.68963
PJ15_05_8_19	4.8	1	0.0847	0.005	0.69014
PJ15_05_9_19	4.41	0.14	0.0919	0.0066	0.26525

PJ15_05_10_19	5.21	0.51	0.0984	0.0055	0.67916
PJ15_05_11_19	6.03	0.76	0.11	0.011	0.8901
PJ15_05_12_19	5.74	0.44	0.1	0.0068	0.63311
PJ15_05_13_19	5.86	0.4	0.0942	0.0065	0.75133
PJ15_05_14_19	6.69	0.6	0.1	0.012	0.45015
PJ15_05_1_20	1.86	0.18	0.062	0.0061	0.63478
PJ15_05_2_20	1.96	0.23	0.0644	0.005	0.47427
PJ15_05_3_20	2.19	0.12	0.0626	0.0063	0.27942
PJ15_05_4_20	2.5	0.25	0.0705	0.0048	0.30279
PJ15_05_5_20	2.75	0.2	0.0716	0.0068	0.13869
PJ15_05_6_20	2.9	0.25	0.0675	0.006	0.92137
PJ15_05_7_20	3.14	0.2	0.0741	0.0065	0.058093
PJ15_05_8_20	3.12	0.24	0.077	0.0033	0.86234
PJ15_05_9_20	3.33	0.18	0.076	0.0045	0.18698
PJ15_05_10_20	3.53	0.15	0.0739	0.0026	0.795
PJ15_05_11_20	4.61	0.47	0.0849	0.0092	0.65981
PJ15_05_12_20	6.39	0.66	0.104	0.012	0.58968
PJ15_05_13_20	6.9	0.68	0.099	0.019	0.54396
PJ15_05_14_20	7.34	0.7	0.102	0.0079	0.35549
PJ15_05_1_21	0.327	0.011	0.0473	0.0012	0.14169
PJ15_05_2_21	0.3256	0.0073	0.0452	0.0012	0.74563
PJ15_05_3_21	0.3245	0.0082	0.0457	0.0015	0.75437
PJ15_05_4_21	0.3261	0.0061	0.0445	0.0013	0.61306
PJ15_05_5_21	0.333	0.0085	0.0448	0.0024	0.25945
PJ15_05_6_21	0.336	0.01	0.0448	0.0016	0.1196
PJ15_05_7_21	0.3422	0.0092	0.0461	0.0017	0.39572
PJ15_05_8_21	0.348	0.017	0.0473	0.0027	0.48535
PJ15_05_9_21	0.365	0.028	0.0481	0.0032	0.74628
PJ15_05_10_21	0.363	0.016	0.0492	0.0025	0.77875
PJ15_05_11_21	0.366	0.017	0.0484	0.0016	0.50924
PJ15_05_12_21	0.368	0.017	0.0503	0.0023	0.69431
PJ15_05_13_21	0.366	0.014	0.0501	0.0021	0.6368
PJ15_05_14_21	0.375	0.023	0.0484	0.0018	0.35821
PJ15_05_1_22	3.45	0.24	0.0811	0.0078	0.14638
PJ15_05_2_22	4.31	0.33	0.0916	0.0083	0.22667
PJ15_05_3_22	4.21	0.4	0.073	0.0093	0.84784
PJ15_05_4_22	4.59	0.37	0.0789	0.0081	0.36156
PJ15_05_5_22	4.48	0.44	0.083	0.012	0.35378
PJ15_05_6_22	4.79	0.68	0.0826	0.0097	0.58932

PJ15_05_7_22	3.86	0.26	0.0833	0.0059	0.0032086
PJ15_05_8_22	4.07	0.36	0.079	0.0062	0.27982
PJ15_05_9_22	3.45	0.24	0.0756	0.006	0.49971
PJ15_05_10_22	3.9	0.38	0.085	0.01	0.45998
PJ15_05_11_22	3.62	0.38	0.0789	0.0048	0.63922
PJ15_05_12_22	3.76	0.32	0.0745	0.0098	0.66044
PJ15_05_13_22	3.77	0.27	0.079	0.013	0.21777
PJ15_05_14_22	4.03	0.56	0.0823	0.0052	0.031184
PJ15_05_1_23	2.02	0.19	0.0739	0.0074	0.66144
PJ15_05_2_23	2.29	0.23	0.0752	0.0082	0.49875
PJ15_05_3_23	3.2	0.45	0.0812	0.0067	0.72427
PJ15_05_4_23	5.6	2	0.103	0.023	0.93844
PJ15_05_5_23	4.04	0.5	0.0849	0.0056	0.49983
PJ15_05_6_23	4.7	0.62	0.097	0.0095	0.43252
PJ15_05_7_23	4.68	0.22	0.0901	0.0047	0.33205
PJ15_05_8_23	5.24	0.4	0.1002	0.0062	0.19898
PJ15_05_9_23	5.89	0.61	0.107	0.011	0.54486
PJ15_05_10_23	7	1.1	0.113	0.019	0.53908
PJ15_05_11_23	6.71	0.55	0.114	0.012	0.76908
PJ15_05_12_23	8.18	0.94	0.126	0.012	0.64439
PJ15_05_13_23	7.63	0.51	0.123	0.011	0.7374
PJ15_05_14_23	8	0.36	0.12	0.02	0.15096
PJ15_05_1_24	2.26	0.17	0.0685	0.004	0.5984
PJ15_05_2_24	2.36	0.17	0.0678	0.0053	0.74269
PJ15_05_3_24	2.42	0.19	0.0751	0.0057	0.58585
PJ15_05_4_24	2.69	0.27	0.0737	0.0075	0.79334
PJ15_05_5_24	3.31	0.31	0.0747	0.0057	0.6453
PJ15_05_6_24	3.67	0.37	0.0795	0.0078	0.28868
PJ15_05_7_24	4.17	0.39	0.0829	0.0093	0.31937
PJ15_05_8_24	5.17	0.65	0.0913	0.0064	0.77374
PJ15_05_9_24	6.75	0.95	0.103	0.014	0.74118
PJ15_05_10_24	7	0.63	0.109	0.011	0.93835
PJ15_05_11_24	7.04	0.49	0.111	0.012	0.6772
PJ15_05_12_24	6.31	0.52	0.1019	0.0068	0.66574
PJ15_05_13_24	5.61	0.32	0.0994	0.0097	0.81786
PJ15_05_14_24	6.61	0.58	0.0976	0.0099	0.888
PJ15_05_1_25	1.168	0.09	0.0578	0.0042	0.22472
PJ15_05_2_25	1.64	0.11	0.0611	0.0044	0.23067
PJ15_05_3_25	2.12	0.2	0.0642	0.0039	0.384

PJ15_05_4_25	2.24	0.26	0.0654	0.0085	0.60001
PJ15_05_5_25	2.77	0.25	0.06836	0.00051	0.61495
PJ15_05_6_25	3.21	0.24	0.0788	0.0061	0.43786
PJ15_05_7_25	4.5	1	0.0838	0.006	0.89329
PJ15_05_8_25	4.36	0.25	0.0799	0.0025	0.9124
PJ15_05_9_25	4.63	0.16	0.091	0.012	0.89155
PJ15_05_10_25	7.43	0.98	0.12	0.011	0.74291
PJ15_05_11_25	7.67	0.9	0.124	0.022	0.91693
PJ15_05_12_25	16.6	7	0.196	0.065	0.99673
PJ15_05_13_25	12.9	2.6	0.155	0.024	0.84579
PJ15_05_14_25	16.9	6.5	0.197	0.072	0.95747
PJ15_05_1_26	3.86	0.36	0.085	0.0085	0.24552
PJ15_05_2_26	5.05	0.84	0.0831	0.0093	0.15883
PJ15_05_3_26	5.25	0.39	0.0927	0.0078	0.64008
PJ15_05_4_26	5.75	0.29	0.09	0.01	0.43543
PJ15_05_5_26	5.96	0.38	0.0976	0.0057	0.17867
PJ15_05_6_26	6.16	0.52	0.095	0.012	0.053662
PJ15_05_7_26	5.84	0.84	0.0953	0.0095	0.7335
PJ15_05_8_26	7.34	0.73	0.113	0.012	0.85741
PJ15_05_9_26	7.23	0.4	0.119	0.01	0.57411
PJ15_05_10_26	6.88	0.53	0.0996	0.0082	0.12031
PJ15_05_11_26	7.29	0.67	0.101	0.01	0.78391
PJ15_05_12_26	7.1	0.34	0.1001	0.007	0.68085
PJ15_05_13_26	8	1.5	0.109	0.013	0.43985
PJ15_05_14_26	7.4	1.4	0.116	0.018	0.3909
PJ15_05_1_27	1.93	0.14	0.0675	0.004	0.91879
PJ15_05_2_27	2.27	0.2	0.0656	0.0058	0.31238
PJ15_05_3_27	2.62	0.22	0.0671	0.0043	0.17736
PJ15_05_4_27	2.89	0.14	0.0695	0.0046	0.95435
PJ15_05_5_27	2.91	0.11	0.0696	0.0055	0.45732
PJ15_05_6_27	3.27	0.26	0.0766	0.0044	0.67978
PJ15_05_7_27	3.58	0.3	0.0739	0.0057	0.68583
PJ15_05_8_27	3.9	0.21	0.0768	0.0079	0.10953
PJ15_05_9_27	4.58	0.27	0.0883	0.0094	0.36849
PJ15_05_10_27	4.85	0.36	0.0851	0.0042	0.59693
PJ15_05_11_27	5.47	0.27	0.098	0.0094	0.87414
PJ15_05_12_27	6.06	0.76	0.0917	0.0072	0.7786
PJ15_05_13_27	6.68	0.25	0.108	0.018	0.15771
PJ15_05_14_27	6.47	0.28	0.102	0.014	0.75301

PJ15_05_1_28	3.92	0.49	0.0769	0.0064	0.73026
PJ15_05_2_28	2.42	0.45	0.0682	0.0087	0.52526
PJ15_05_3_28	2.19	0.1	0.0676	0.007	0.085187
PJ15_05_4_28	2.82	0.19	0.0751	0.0077	0.89797
PJ15_05_5_28	4.7	1.5	0.085	0.013	0.3087
PJ15_05_6_28	3.16	0.51	0.0656	0.005	0.20277
PJ15_05_7_28	2.5	0.19	0.0668	0.0048	0.46611
PJ15_05_8_28	2.3	0.11	0.0646	0.0055	0.70489
PJ15_05_9_28	2.315	0.061	0.0722	0.005	0.28905
PJ15_05_10_28	2.5	0.26	0.0794	0.0081	0.74971
PJ15_05_11_28	2.65	0.13	0.0677	0.0045	0.85028
PJ15_05_12_28	2.88	0.19	0.0703	0.0062	0.46519
PJ15_05_13_28	4.14	0.49	0.0716	0.006	0.18204
PJ15_05_14_28	5.12	0.28	0.0897	0.0073	0.34647
PJ15_05_1_29	13.1	3.1	0.206	0.074	0.93278
PJ15_05_2_29	6.5	1.3	0.099	0.011	0.9245
PJ15_05_3_29	2.16	0.59	0.065	0.01	0.87034
PJ15_05_4_29	1.58	0.18	0.0606	0.006	0.47116
PJ15_05_5_29	1.83	0.19	0.0675	0.0094	0.15473
PJ15_05_6_29	1.87	0.14	0.0692	0.005	0.7979
PJ15_05_7_29	2.07	0.11	0.0655	0.0045	0.86829
PJ15_05_8_29	1.94	0.13	0.0641	0.0062	0.42132
PJ15_05_9_29	2.22	0.25	0.0711	0.0023	0.21381
PJ15_05_10_29	2.18	0.2	0.0685	0.0038	0.33614
PJ15_05_11_29	2.2	0.15	0.0667	0.0027	0.23413
PJ15_05_12_29	2.23	0.1	0.0663	0.0047	0.11953
PJ15_05_13_29	2.63	0.39	0.0767	0.0038	0.65115
PJ15_05_14_29	2.99	0.33	0.0717	0.0081	0.8898
PJ15_05_1_30	1.74	0.2	0.0694	0.001	0.44114
PJ15_05_2_30	2.08	0.3	0.0621	0.0046	0.39826
PJ15_05_3_30	2.67	0.27	0.0705	0.0064	0.78231
PJ15_05_4_30	3.1	0.25	0.0695	0.0068	0.62967
PJ15_05_5_30	3.07	0.29	0.0724	0.0056	0.35426
PJ15_05_6_30	3.47	0.27	0.0793	0.0078	0.9185
PJ15_05_7_30	3.12	0.17	0.073	0.0062	0.42345
PJ15_05_8_30	3.38	0.22	0.0768	0.0068	0.55116
PJ15_05_9_30	3.45	0.2	0.0762	0.0038	0.72622
PJ15_05_10_30	3.66	0.24	0.079	0.0046	0.79027
PJ15_05_11_30	3.33	0.21	0.0727	0.0049	0.52875

PJ15_05_12_30	3.48	0.17	0.0728	0.0017	0.17338
PJ15_05_13_30	3.62	0.39	0.0779	0.0088	0.91987
PJ15_05_14_30	4	0.3	0.0781	0.0088	0.22303
PJ15_05_1_31	10.5	4.7	0.115	0.014	0.041553
PJ15_05_2_31	6.9	1.1	0.109	0.016	0.20327
PJ15_05_3_31	7.9	1.8	0.119	0.028	0.95539
PJ15_05_4_31	7.3	1	0.111	0.011	0.95507
PJ15_05_5_31	34	23	0.36	0.22	0.99404
PJ15_05_6_31	63	21	0.57	0.16	0.97
PJ15_05_7_31	14.2	4.1	0.172	0.03	0.94115
PJ15_05_8_31	12.5	5.1	0.144	0.034	0.91492
PJ15_05_9_31	22	11	0.224	0.085	0.98174
PJ15_05_10_31	12.2	6	0.157	0.057	0.96305
PJ15_05_11_31	7.3	1.1	0.1062	0.0075	0.98162
PJ15_05_12_31	7.1	1.1	0.101	0.015	0.81601
PJ15_05_13_31	7.7	1.8	0.103	0.019	0.25468
PJ15_05_14_31	15.2	3.5	0.169	0.038	0.89715
PJ15_05_1_32	3.38	0.22	0.0782	0.0057	0.40947
PJ15_05_2_32	3.33	0.23	0.0795	0.0052	0.70128
PJ15_05_3_32	4.57	0.43	0.0886	0.0073	0.31981
PJ15_05_4_32	5.97	0.64	0.0923	0.007	0.49869
PJ15_05_5_32	8.95	0.79	0.135	0.017	0.97104
PJ15_05_6_32	13.4	3.3	0.155	0.036	0.83974
PJ15_05_7_32	14.8	1.9	0.1797	0.0092	0.75714
PJ15_05_8_32	11.98	0.8	0.137	0.01	0.83578
PJ15_05_9_32	15.1	2.3	0.183	0.033	0.85334
PJ15_05_10_32	16.4	1.9	0.194	0.028	0.72558
PJ15_05_11_32	14.4	1.3	0.168	0.026	0.80704
PJ15_05_12_32	17.9	3.2	0.209	0.05	0.68941
PJ15_05_13_32	17.1	2.9	0.186	0.044	0.88814
PJ15_05_14_32	13.04	0.81	0.181	0.041	0.91682
PJ15_05_1_33	2.51	0.24	0.0653	0.0065	0.48798
PJ15_05_2_33	2.94	0.22	0.0704	0.005	0.35001
PJ15_05_3_33	4.9	1.1	0.086	0.011	0.79611
PJ15_05_4_33	6.38	0.96	0.099	0.014	0.91945
PJ15_05_5_33	11.2	4.7	0.135	0.039	0.96824
PJ15_05_6_33	9.5	1.1	0.125	0.017	0.78595
PJ15_05_7_33	17	1.8	0.2031	0.0096	0.937
PJ15_05_8_33	10.5	1.3	0.135	0.015	0.93921

PJ15_05_9_33	11.3	2	0.152	0.027	0.83737
PJ15_05_10_33	10.5	1.7	0.135	0.023	0.7367
PJ15_05_11_33	13.3	2.2	0.168	0.035	0.61171
PJ15_05_12_33	12.9	1.5	0.142	0.023	0.81738
PJ15_05_13_33	14.5	5.5	0.172	0.067	0.98483
PJ15_05_14_33	11.2	1.1	0.133	0.015	0.88389
PJ15_05_1_34	3.03	0.29	0.0733	0.0057	0.06191
PJ15_05_2_34	3.37	0.61	0.0747	0.0045	0.778
PJ15_05_3_34	2.85	0.22	0.0694	0.0054	0.63763
PJ15_05_4_34	3.47	0.56	0.0771	0.0087	0.96819
PJ15_05_5_34	3.99	0.27	0.0812	0.0087	0.29126
PJ15_05_6_34	4.66	0.38	0.0843	0.0043	0.23289
PJ15_05_7_34	4.95	0.47	0.085	0.012	0.075246
PJ15_05_8_34	5.95	0.48	0.097	0.014	0.51616
PJ15_05_9_34	6.12	0.43	0.0935	0.0077	0.53616
PJ15_05_10_34	8.3	1.5	0.113	0.013	0.65287
PJ15_05_11_34	7.96	0.39	0.115	0.0099	0.80669
PJ15_05_12_34	9.6	1.2	0.121	0.014	0.40524
PJ15_05_13_34	9.9	1.9	0.121	0.015	0.95499
PJ15_05_14_34	9.1	1	0.1242	0.0095	0.19832
PJ15_05_1_35	5.1	1.2	0.0954	0.009	0.58658
PJ15_05_2_35	4.95	0.42	0.0861	0.0073	0.57489
PJ15_05_3_35	5	0.71	0.094	0.011	0.41504
PJ15_05_4_35	4.58	0.25	0.091	0.011	0.72225
PJ15_05_5_35	4.71	0.27	0.0972	0.0087	0.83195
PJ15_05_6_35	4.75	0.28	0.084	0.0053	0.77553
PJ15_05_7_35	4.52	0.38	0.0935	0.0053	0.055972
PJ15_05_8_35	5.3	0.56	0.091	0.0075	0.30206
PJ15_05_9_35	4.56	0.85	0.091	0.018	0.58974
PJ15_05_10_35	4.07	0.64	0.085	0.013	0.78059
PJ15_05_11_35	3.87	0.46	0.0726	0.0037	0.81564
PJ15_05_12_35	3	0.11	0.0748	0.0054	0.71173
PJ15_05_13_35	3.38	0.46	0.075	0.011	0.68926
PJ15_05_14_35	4.44	0.88	0.09	0.0093	0.86407
PJ15_05_1_36	1.68	0.11	0.0564	0.0052	-0.39521
PJ15_05_2_36	2.65	0.66	0.0663	0.0057	-0.38513
PJ15_05_3_36	3.47	0.17	0.0692	0.0031	0.20291
PJ15_05_4_36	3.59	0.19	0.0665	0.0073	-0.12089
PJ15_05_5_36	3.06	0.41	0.072	0.012	0.70642

PJ15_05_6_36	2.84	0.28	0.065	0.0036	-0.14041
PJ15_05_7_36	3.67	0.34	0.0769	0.005	0.3468
PJ15_05_8_36	4.47	0.35	0.0926	0.0094	0.35166
PJ15_05_9_36	5.18	0.43	0.0921	0.0081	-0.0075162
PJ15_05_10_36	4.25	0.32	0.0782	0.0087	0.16241
PJ15_05_11_36	3.34	0.27	0.0669	0.003	0.13613
PJ15_05_12_36	3.23	0.23	0.0697	0.009	0.22594
PJ15_05_13_36	3.19	0.35	0.0685	0.0045	0.60686
PJ15_05_14_36	3.24	0.36	0.0675	0.0089	0.75629
PJ15_05_1_37	9.5	5.3	0.131	0.053	0.99374
PJ15_05_2_37	10.9	3.8	0.1316	0.009	0.98382
PJ15_05_3_37	17.3	4.7	0.198	0.038	0.95749
PJ15_05_4_37	9.99	0.86	0.124	0.013	0.98651
PJ15_05_5_37	9.7	1	0.136	0.01	0.84764
PJ15_05_6_37	14.8	1.8	0.182	0.015	0.80499
PJ15_05_7_37	14.4	4.8	0.181	0.032	0.89523
PJ15_05_8_37	12	1.3	0.146	0.012	0.041949
PJ15_05_9_37	58	28	0.54	0.25	0.99592
PJ15_05_10_37	34	21	0.35	0.17	0.99119
PJ15_05_11_37	16.8	2.3	0.2	0.036	0.89114
PJ15_05_12_37	85	80	0.78	0.68	0.9968
PJ15_05_13_37	25	11	0.268	0.093	0.99724
PJ15_05_14_37	19.3	2.6	0.247	0.05	0.74668
PJ15_05_1_38	2.32	0.24	0.0727	0.0093	0.09554
PJ15_05_2_38	3.28	0.32	0.082	0.01	0.16639
PJ15_05_3_38	3.68	0.41	0.0808	0.0087	0.78402
PJ15_05_4_38	3.36	0.2	0.0764	0.0059	0.39014
PJ15_05_5_38	3.77	0.25	0.081	0.011	0.80789
PJ15_05_6_38	4.85	0.57	0.0949	0.009	0.41305
PJ15_05_7_38	7.9	0.81	0.115	0.022	0.62849
PJ15_05_8_38	9.7	1.4	0.1316	0.0097	0.51103
PJ15_05_9_38	10.75	0.68	0.1358	0.0056	0.16926
PJ15_05_10_38	10.84	0.65	0.141	0.012	0.53484
PJ15_05_11_38	11.1	1.4	0.155	0.024	0.89242
PJ15_05_12_38	11.6	1.3	0.137	0.015	0.77235
PJ15_05_13_38	12.8	2.2	0.17	0.039	0.86442
PJ15_05_14_38	12.2	1.7	0.142	0.016	0.73868
PJ15_05_1_39	1.66	0.38	0.0643	0.0056	0.92492
PJ15_05_2_39	1.47	0.11	0.0608	0.0063	0.62285

PJ15_05_3_39	1.61	0.17	0.0663	0.0045	0.47346
PJ15_05_4_39	2.12	0.4	0.0679	0.0069	0.51939
PJ15_05_5_39	2.93	0.45	0.0723	0.0073	0.19036
PJ15_05_6_39	5.07	0.88	0.092	0.012	0.52196
PJ15_05_7_39	2.94	0.097	0.0739	0.0065	0.843
PJ15_05_8_39	3.1	0.18	0.0685	0.0054	0.95049
PJ15_05_9_39	3.75	0.51	0.0807	0.0076	0.97892
PJ15_05_10_39	3.75	0.95	0.079	0.013	0.83203
PJ15_05_11_39	3.08	0.4	0.0741	0.0083	0.52537
PJ15_05_12_39	4.53	0.69	0.0842	0.0048	0.74805
PJ15_05_13_39	3.38	0.36	0.0756	0.0074	0.47965
PJ15_05_14_39	3.64	0.77	0.074	0.01	0.3975
PJ15_05_1_40	1.62	0.2	0.06	0.0049	0.32982
PJ15_05_2_40	1.4	0.11	0.0596	0.0055	0.68385
PJ15_05_3_40	1.64	0.17	0.0661	0.0082	0.94646
PJ15_05_4_40	1.75	0.16	0.0591	0.0054	0.42216
PJ15_05_5_40	2.1	0.22	0.0624	0.0028	0.48247
PJ15_05_6_40	2.14	0.21	0.0679	0.005	0.24369
PJ15_05_7_40	2.3	0.11	0.0694	0.0038	0.51491
PJ15_05_8_40	2.8	0.22	0.0737	0.0055	0.77859
PJ15_05_9_40	2.57	0.13	0.0712	0.0046	0.40914
PJ15_05_10_40	2.59	0.16	0.0732	0.0043	0.062228
PJ15_05_11_40	2.78	0.55	0.0681	0.0076	0.76673
PJ15_05_12_40	6.7	2.1	0.103	0.015	0.98828
PJ15_05_13_40	2.94	0.37	0.0691	0.0051	0.94866
PJ15_05_14_40	3.07	0.15	0.0732	0.0083	0.47987
PJ15_05_1_41	2.88	0.26	0.0728	0.0076	0.74933
PJ15_05_2_41	3.81	0.71	0.075	0.011	0.7702
PJ15_05_3_41	3.91	0.3	0.0768	0.0045	0.91438
PJ15_05_4_41	4.7	0.39	0.0934	0.0073	0.7308
PJ15_05_5_41	4.64	0.33	0.0878	0.0066	0.88236
PJ15_05_6_41	4.67	0.21	0.0897	0.0041	0.26981
PJ15_05_7_41	7.3	2.2	0.105	0.028	0.95959
PJ15_05_8_41	5.28	0.37	0.0902	0.0087	0.56588
PJ15_05_9_41	11.2	5	0.144	0.043	0.98985
PJ15_05_10_41	10.7	4.5	0.14	0.04	0.98069
PJ15_05_11_41	6.61	0.63	0.1096	0.0084	0.75961
PJ15_05_12_41	6.71	0.63	0.1101	0.0041	0.29053
PJ15_05_13_41	6.03	0.43	0.0999	0.0072	0.50972

PJ15_05_14_41	5.9	1.1	0.092	0.012	0.33982

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Vita

Patrick Boyd was born and raised in Anchorage, Alaska. He graduated from West Anchorage High School and attended the University of Arizona in Tucson, Arizona. In addition to his undergraduate geology coursework Patrick worked at the University of Arizona Radiogenic Helium Dating Laboratory as a laboratory assistant. He eventually pursued his own research interests and took part in the Helium Dating Workshop at Arizona (HeDWaAZ), a workshop hosted in June, 2014 at the University of Arizona, where he worked with Dr. Peter Reiners and Dr. Stuart Thomson and applied apatite and zircon (U-Th)/He thermochronometry to glacially rafted detritus in order to elucidate the exhumation and erosional history for Prydz Bay, East Antarctica. In August of 2014 Patrick was awarded the NASA / University of Arizona Space Grant which enabled him to continue his work with Dr. Reiners and Dr. Thomson and pursue a year-long research project in which he used zircon U-Pb geochronology and zircon and apatite (U-Th)/He thermochronology to model a tectono-thermal history for Wilkes Land, East Antarctica.

Graduating from the University of Arizona in 2015, Patrick pursued his Master's degree at the University of Texas at Austin with Dr. Daniel Stockli. Patrick worked with Dr. Stockli in applying apatite U-Pb thermochronology to constrain the thermal history of the Alpine Tethyan margins currently located in the Swiss Alps. During his time at the University of Texas at Austin Patrick completed two internships with BP, working as a geologist on the Gulf of Mexico Regional Exploration Team and later working on the Thunder Horse Reservoir Development Team. After graduating with a Master's degree in December 2017 Patrick will work for BP in Houston, TX.

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