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Felicia R. Harris
University of Kentucky, felicia.harris@uky.edu
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Felicia R. Harris, Student

Dr. David P. Moecher, Major Professor

Dr. Michael McGlue, Director of Graduate Studies

“THE TALE OF 3,000 ZIRCONS”: AN INVESTIGATION OF GRENVILLE SEDIMENTATION IN AMAZONIA USING U/PB DETRITAL ZIRCON GEOCHRONOLOGY

THESIS

A thesis submitted in partial fulfillment of the
requirements for the degree of Master of Science in the
College of Arts and Sciences
at the University of Kentucky

By

Felicia Reneé Harris

Lexington, Kentucky

Director: Dr. David P. Moecher, Professor of Geology

Lexington, Kentucky

2020

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ABSTRACT OF THESIS

"THE TALE OF 3,000 ZIRCONS": AN INVESTIGATION OF GRENVILLE SEDIMENTATION IN AMAZONIA USING U/PB DETRITAL ZIRCON GEOCHRONOLOGY

The continental collision between Laurentia and Amazonia that generated Rodinia and the Grenville Orogen is proposed to be one of the largest, hottest and longest-lived orogens in Earth history. Subsequent erosion and weathering led to a mountain range's worth of sediment recycled into clastic systems across North America, otherwise known as the "Great Grenville Sedimentation Event". The Sunsas orogeny in Amazonia is correlative to the Grenville in North America and is proposed to be the result of final Rodinian collision at 1200-1000 Ma. Despite the connection between the two ranges and the robust sedimentary record in North America, little work has been done to constrain sediment availability on the Amazonian side of the Grenville orogen. This study examined 16 samples collected from western Brazil including quartz-arenite, diamictite, quartzite, and other metasedimentary units, with basement samples for age comparison. Detrital zircons were analyzed for U/Pb isotope ratios using LA-ICP-MS, resulting in approx. 3,000 analyses for the 16 samples. These analyses suggest only a minor sediment contribution to the Amazonian craton from Grenville-age terranes. Instead, most samples exhibit ages characteristic of Amazonian Precambrian basement. The dominance of Geons 15 and 17 indicates that Grenville-aged sediment does not constitute the main sediment-source region and with no significant increase in the number of Grenville zircons in samples collected proximal to the Sunsas orogenic front. We interpret these results to mean that although Laurentian clastic sequences are perpetually dominated by Shawinigan and Ottawan sources, the Amazonian craton was not influenced by the same sediment influx. $^{40}Ar/^{39}Ar$ analyses from southwest Amazonian document a change in tectonic regime during the Grenville cycle, transitioning from collisional, thrust-dominated along the Laurentian margin to strike-slip in Amazonia. The lack of Grenville-aged sediment supports an asymmetric orogen in which changes in crustal thickness and exhumation prevented erosion and deposition on the Amazonian side making the primary source for sediments the Amazonian tectonic provinces.

KEYWORDS: Provenance, Zircon, sediment recycling, Grenville Orogen, Amazonia

Felicia Reneé Harris

(Name of Student)

07/22/2020

Date

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By
Felicia Reneé Harris

Dr. David P. Moecher
Director of Thesis

Dr. Michael McGlue
Director of Graduate Studies

07/22/2020
Date

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CHAPTER I: INTRODUCTION

The deposition of syn- to post-orogenic sediments represents a crucial phase in the history of a collisional orogen and the development of its characteristic, adjoining flexural foreland basins (Quinlan and Beaumont, 1984; Stockmal et al., 1986; Klein and Hsui, 1987; Beaumont et al., 1988). Interpretations of the interactions between dynamic mechanisms that drive sediment distribution can be used to establish provenance, elucidate previous tectonic settings and collisional histories, and reconstruct paleogeography. Establishing provenance is critical to understanding how sediment in large orogens is distributed and reworked over time (Dickinson and Suczek 1979; Dickinson et al., 1983; Rainbird et al., 2012). However, determining provenance from clastic sediment presents particular challenges in establishing the original protolith due to travel distance from the source, weathering along the sediment path, multiple phases of recycling, and reworking of sediments before deposition (Blatt 1967; Veizer and Jansen, 1979; Dickson and Suczek 1983; Dickinson et al., 1983; Pettijohn et al., 1987; Johnsson, 1993; Cox and Lowe, 1995; Garzanti, 2016; Moecher et al. 2019).

The Grenville Orogen (1.3-0.9 Ga) is proposed to be one of the largest, hottest and longest-lived orogens in Earth history (Beaumont et al., 2010). The "Great Grenville Sedimentation Episode" (GGSE: Rainbird et al., 2012) is the continental-scale clastic system across Laurentia produced by the Grenville Orogeny. As such it should have generated a mountain range's equivalent of sediment, which was subsequently distributed and reworked across the Laurentian craton. The unusual longevity (ca. 400 m.y.) and hot geothermal conditions that characterized the Grenville Orogeny resulted in "hot granites" (Miller et al., 2003; Moecher et al., 2014; Samson et al., 2019) with high Zr contents that

produced an unusually high number of zircons, which, upon exhumation and erosion, were subsequently recycled throughout the sedimentary record into the various Phanerozoic clastic systems spanning the North American continent (Eriksson et al., 2004; Thomas et al., 2004; Becker et al., 2006; Moecher and Samson 2006; Park et al., 2010; Moecher et al., 2019, 2020). These studies repeatedly show the presence of Grenville zircons and, by extension, Grenville sediment, typified by the recurring Grenville age doublet produced by the Shawinigan and Ottawan phases (ca. 1.2 and 1.0 Ga) (Fig. 1.1). The well-defined age doublet in Phanerozoic sediments across Laurentia indicates that post-Grenville sediments were recycled over the geologic record and continue to persist and be recycled (Eriksson et al., 2003, 2004; Mueller et al., 2008; Rainbird et al., 2012; Moecher et al., 2019, 2020) (Fig. 1.2).

Although the Grenville detrital zircon age signature is well documented in North American clastic sequences, the sedimentary record of the Grenville orogeny on the Amazonian side of the orogen is much less clear. The Sunsás Orogeny (1250-980 Ma) represents the youngest Meso-Neoproterozoic collisional event between Amazonia and Laurentia along the southwest margin of the Amazonian craton (Santos et al., 2000; Santos et al., 2002; Tohver et al., 2002; Boger et al., 2005; Cordani and Teixeria 2007; Fuck et al., 2008; Cordani et al., 2009; Teixeira et al., 2010). Despite the widespread distribution of Grenville-aged terranes in western South America and their potential relationship to the Laurentian Grenville (Tosdal 1996; Tohver et al., 2002; Loewy et al., 2003; Tohver et al., 2006; Cordani and Teixeria 2007; D'Agrella-Filho and Tohver 2008; Fisher et al. 2010; Brito Neves et al., 2014), previous DZ geochronology for earliest post-orogenic sediments appears to lack the prominent age peaks associated with the post-

orogenic Grenville sedimentation observed in Laurentia. Rather, Amazonian DZ age spectra exhibit significantly older age modes compared to Laurentian clastics, with little evidence for a major Grenville-sourced component (Santos et al., 2000; Fuck et al., 2008; Santos et al., 2008; Cordani et al., 2009).

In addition to potential differences in syn- to post-Grenville clastic sequences, differences exist in the "crustal provenance" of basement terranes that comprise the Grenville orogen in Laurentia. Previous geochemical, geochronologic, and geologic mapping in the southern Appalachians concluded that the Blue Ridge is allochthonous and exotic to the Laurentian craton and Grenville basement terranes. Pb isotope compositions of Grenville basement rocks of the central and southern Appalachians (Sinha et al., 1996; Fisher et al., 2010) are distinctly different (higher $^{207}Pb/^{204}Pb$ for any $^{206}Pb/^{204}Pb$) than basement rocks of the Grenville Province in Ontario (DeWolf and Mezger 1994), Adirondacks (Sinha 1996, McLelland et al., 2013), and Llano province (Tohver et al., 2002, Loewy et al., 2003), and of the Granite-Rhyolite Province (Fisher et al., 2010), having Pb isotope values that are more like Amazonia (Lowey et al., 2003; Tohver et al., 2006) (Fig. 1.3). Nd depleted mantle model extraction ages (T_{DM} ages) for the southern and central Blue Ridge range from 1.6 to 2.0 Ga (Carrigan et al., 2003; Fisher et al., 2010), i.e., they are much older than their zircon U-Pb crystallization ages, consistent with an origin from reworking of older crustal material (i.e., they are not juvenile). Similarly, rocks of the Amazonian craton also yield T_{DM} ages ranging from 1.6-2.2 Ga (Neves et al. 2014, Santos et al. 2008, Cordani et al. 2007, Tohver et al. 2004). However, T_{DM} ages for native Laurentian basement rocks are the same as or only slightly older than their U-Pb crystallization ages, i.e., they are juvenile. The similarity of Pb and

Nd isotope systematics suggest that the southern Blue Ridge was transferred to Laurentia during Grenville orogenesis and consistent with the Amazonian transfer hypothesis (Santos et al., 2000, Tohver et al., 2006, Rizzotto et al., 2014). Since Laurentia and Amazonia were paleogeographically linked during Grenvillian collision there might be a Laurentian Grenville detrital zircon signature within syn- to post-Grenville sedimentary sequences across Amazonia, i.e., there might be an equivalent GGSE apparent across Amazonia.

This study will address via detrital zircon provenance analysis the following questions related to Laurentian-Amazonian collision and Rodinian assembly:

- To what extent was Grenville sediment deposited onto the Amazonian craton?
- Is their evidence of the Grenville "doublet", commonly observed in North American clastic sequences, in Amazonian?
- What does the presence or absence of Grenville-aged detrital zircons imply about the nature of the tectonic boundary between Amazonia and Laurentia during Rodinian assembly?
- How does exhumation rates of the Grenville orogen vary in Amazonia versus Laurentia?

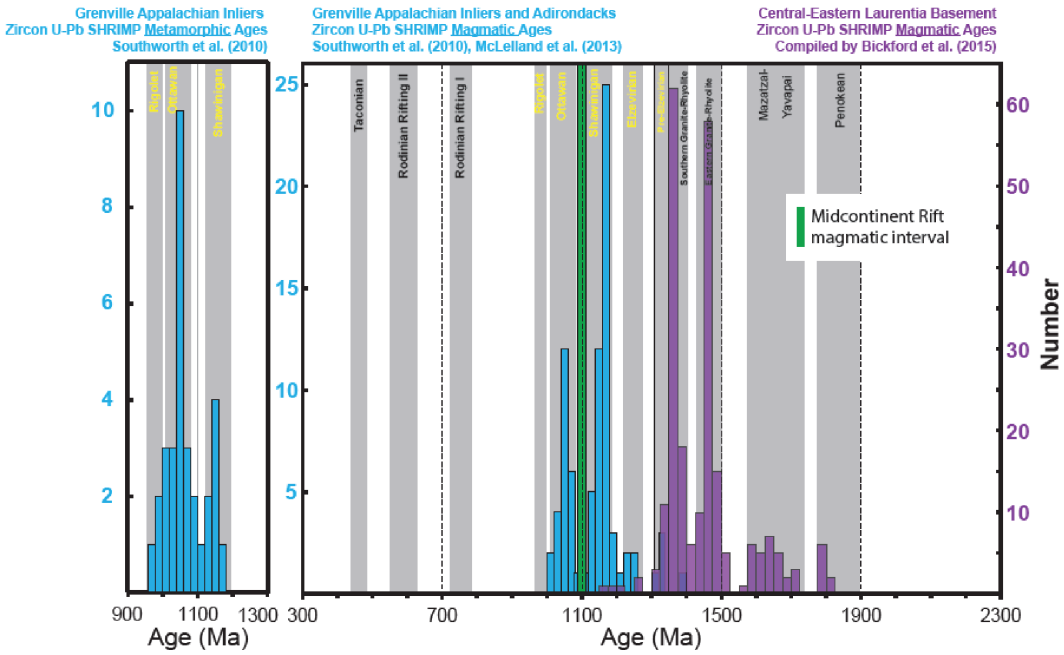


Figure 1.1. Zircon U-Pb crystallization age for Grenville Appalachian Inliers, Adirondacks, and the central to eastern Laurentian basement magmatic and metamorphic age distributions from zircon U-Pb Sensitive High-resolution Ion Microprobe (SHRIMP) analyses (Moecher et al., 2018).

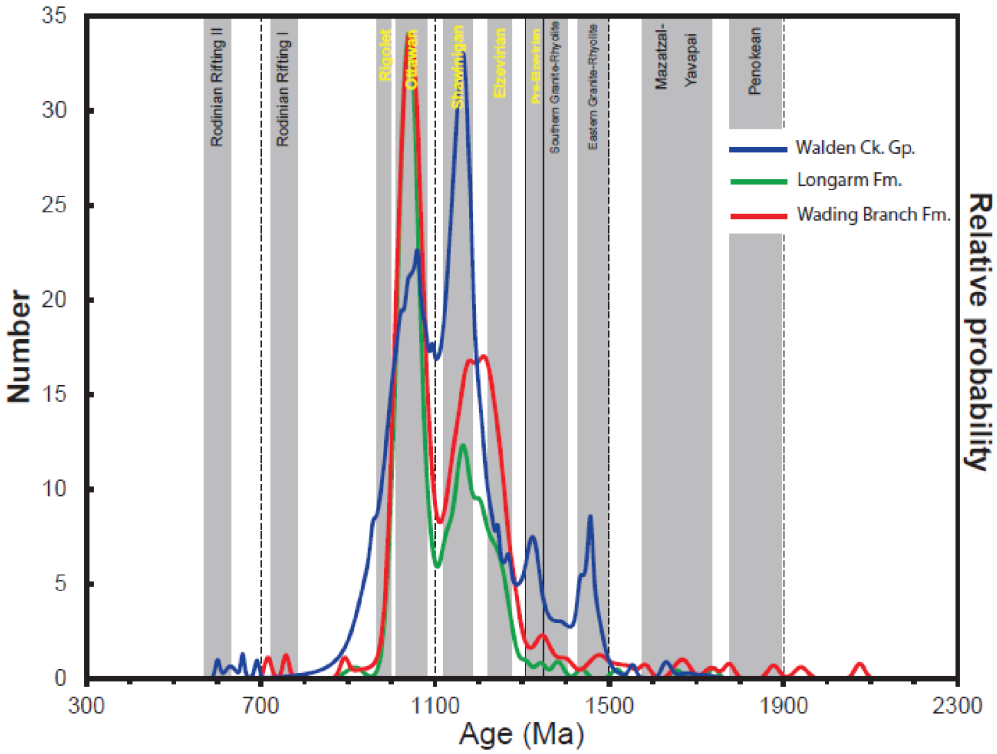


Figure 1.2. Cumulative probability distribution for Ocoee Supergroup (Latest Neoproterozoic) Post-Rodinian Laurentian intracratonic rift fill DZ with the characteristic "Grenville doublet" (Moecher et al., 2018).

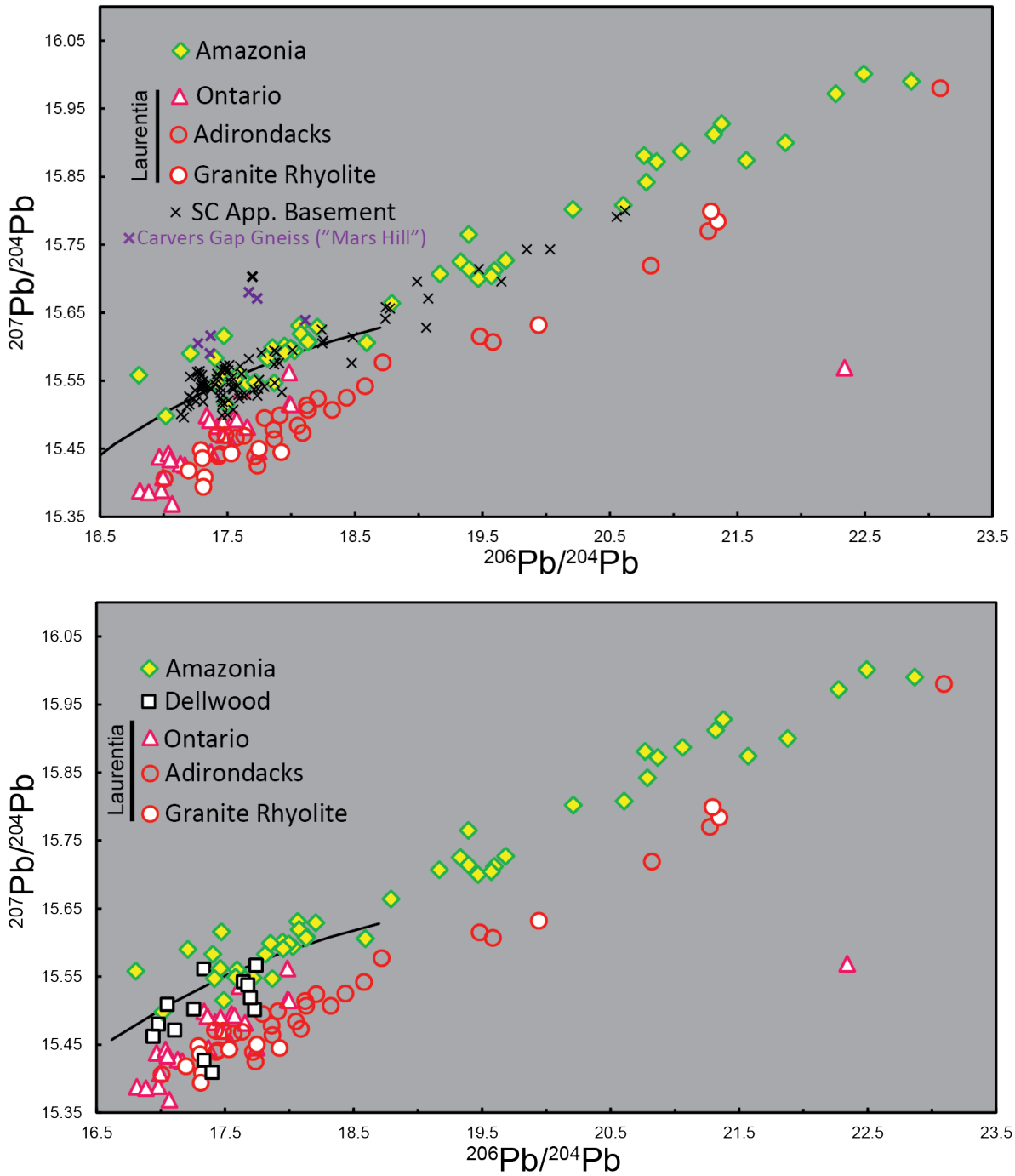


Figure 1.3. Pb isotope analyses from Amazonia, Dellwood Quadrangle, Canadian Grenville, Adirondacks, and Granite-Rhyolite provinces (Moecher et al., 2018).

CHAPTER II: GEOLOGIC SETTING

The southwest margin of the Amazonian craton in western Brazil and eastern Bolivia records the collision between Amazonia and Laurentia during the Mesoproterozoic amalgamation of Rodinia. Much like the eastern margin of Laurentia, the Archean to Proterozoic Amazonian craton expanded through a series of crustal accretionary events trending NW-SE (present coordinates) that young towards the southwest (Teixeira et al., 1989; Tassinari and Macambira, 1999; Tassinari et al., 2000; Tohver et al. 2005; Boger et al. 2005; Santos et al. 2008). Four tectonic provinces comprise the western margin of the craton: Ventuari-Tapajós (1950–1800 Ma), Rio Negro-Juruena (1800–1550 Ma), Rondônia-San Ignacio (1450–1300 Ma), and Sunsás-Aguapeí (1250–1000 Ma) provinces (Teixeira et al., 1989; Boger et al., 2005; Cordani and Teixeira, 2007; Bettencourt et al., 2010) (Fig. 2.1 and 2.2). The deformation and magmatic history of the region remains enigmatic; however, it is commonly accepted that younger accretionary belts represent continental margin arcs built upon the preexisting basement domains (Boger et al. 2005; Geraldes et al., 2001; Tassinari and Macambira, 1999).

Litherland et al. (1986, 1989) proposed that the Sunsás Orogenic cycle encompassed metasediments and plutonic rocks between 1280-980 Ma exposed in eastern Bolivia and western Brazil (Santos et al., 2008). Litherland (1986) limited the timing of the Sunsás orogeny between 1000-950 Ma in Amazonia, making it coeval with the final two phases of the Grenville Orogenic cycle (Ottawan and Rigolet) (McLelland

et al., 2013) in Laurentia. The Sunsás orogenic cycle deformation is related to three mobile belts in southwestern Amazonia: Sunsás, Nova Brasilândia, and the Aguapeí belt (Teixeira et al., 2010; Santos et al., 2008; Boger et al., 2005). Samples for this study were collected from each of the Amazonian mobile belts and will be discussed in further detail below.

Sunsás Belt

The Sunsás province encompasses an exposed area of approximately 350,000 km^2 in western Brazil and neighboring Bolivia (Fig. 2.2). Early Sunsás group sediment deposition occurred ca. 1250-990 Ma in an alluvial to deltaic passive margin environment and was subsequently metamorphosed by late Mesoproterozoic orogenic events (Santos et al., 2011; Boger et al., 2005; Saes et al., 1992; Litherland and Bloomfield, 1981). The Sunsas group reached a thickness of 6 km and is comprised of a basal conglomerate overlain by two psammitic units (arkoses, sandstones, quartzites) and an interbedded pelitic unit (argillaceous mud and siltstones) (Santos et al., 2011; Santos et al., 2008; Boger et al., 2005; Berrangé and Litherland,1982). Deformation of the Sunsás group sediments occurred during a late Mesoproterozoic-Neoproterozoic collisional orogenic event and the deformed sediments were intruded by syn- to late-tectonic granites and post-tectonic anorogenic plutons during the late Mesoproterozoic and early Neoproterozoic (1100-980 Ma) (Boger et al., 2005; Cordani and Teixeira, 2007).

Nova Brasilândia Belt (RO-8, RO-9, RO-10)

The Nova Brasilândia metasedimentary belt in southern Rondônia (Fig. 2.2) is comprised of metamorphosed deep-water sediments deposited ca.1211-1110 Ma

(carbonates intercalated with fine-grained pelitic and sandy units and turbidites) (Rizzotto, 1999; Santos et al., 2000; Tohver et al., 2004; Boger et al., 2005; Cordani and Teixeira 2007; Teixeira et al., 2010). The group was metamorphosed to upper amphibolite to granulite facies and intruded mafic dykes, sills and felsic plutons that are coeval to late Neoproterozoic Sunsás intrusions. The Nova Brasilândia belt depositional environment has been interpreted as: an intracontinental rift setting followed by the opening of a proto-ocean that was subjected to crustal shortening, deformation, and magmatism (Rizzotto et al., 2014; Rizzotto 2001; Rizzotto 1999) or as the result of transpressive suturing of the Amazonian and Paraguá cratons leading to crustal thickening through imbrication during the final stages of Rodinian assembly (Tohver et al., 2004, 2005).

Aguapeí Belt (MT-4, MT-13)

The Aguapeí belt is a restricted metasedimentary belt approzimately 500 km long in the southwestern portion of the Mato Grosso state (Fig. 2.2). It is comprised of the folded metasedimentary Aguapeí group deposited ca.1167-1149 Ma in an aulacogen or rift environment (Rizzotto et al., 2014; Santos et al. 2005; Saes 1999; Saes et al., 1992). The Aguapeí group is a sequence of siliciclastic rocks composed of conglomerates, quartz sandstones, interbedded metapsamites, and fluvial sandstones and siltstones (Souza and Hildred, 1980). The Aguapeí group was affected by sub-greenschist-facies metamorphism and localized deformation resulting in gentle folds and shearing of the rocks which are evident in recrystallized mylonites (e.g., Teixeira et al., 2010; Tohver et al., 2004; Ruiz 2005; Geraldes et al., 2001).

Sedimentary Units

Dardanelos Formation (RO-6, RO-7, RO-9)

The Dardanelos Formation crops out approximately 900 km within the Rio Negro–Juruena province from northwest Mato Grosso into central Rondônia. It is part of the early Mesoproterozic (Ectasian) Caiabis graben (Santos et al., 2000; Leite and Saes, 2003; Cordani and Teixeira 2007). The Dardanelos Formation encompasses several regionally distributed units of juvenile volcano-sedimentary origin ca. 1.5-1.4 Ga., each with similar but slightly different lithologies. For this study, the term Dardanelos Formation is used for classification of samples RO-6, RO-7, and RO-9 in eastern Rondônia (Fig. 2.3A). Basement intrusives associated with the formation are rapakivi granite, monzogranites, charnokite, mangerite, and mafics. Sedimentary units overlying the basement units are comprised of fluvial arkose sandstones, conglomeratic sandstones, and siltstones.

Pimenta Bueno Formation Diamictite (RO-12)

The Pimenta Bueno formation lies within the Parecis Basin, an intracratonic, rift-sag basin, formed during extensional events following the Rodinia break up (1000-750 Ma) (Pedreira and Bahia, 2000). The Pimenta Bueno Formation (Fig. 2.3A) is composed of siliciclastic and carbonate rocks with an estimated thickness of 250 m (Afonso and Nogueira 2018). The basal polymictic diamictite unit is composed of clasts of quartz, granitoids, volcanics, and gneiss fragments ranging from a few centimeters up to 1 m in a red/purplish matrix (Gaia et al., 2017). The diamictites were deposited during a

transgressive system from rainouts of icebergs in a glacial marine environment during the latest Neoproterozic, ca.622 Ma (Afonso and Nogueira 2018).

Cuiabá Group and Puga Formation (Diamictites MT-3, MT-15)(Conglomeratic Sandstone MT-14)

The Cuiabá Group and Puga Formation of the northern Paraguay belt in the Cuiabá region of western Mato Grosso (depositional age ca. 635-590 Ma) contains a thick sequence of glaciomarine, turbidite, carbonate, and siliciclastic sedimentary rocks formed in an extensional continental margin platform facies (Alveranga et al., 2011; Alvarenga and Trompette 1992). The Puga formation is a massive glaciomarine diamictite around 100 m thick overlying Paleoproterozoic basement. The diamictite contains stratified clasts ranging from cobble to boulder in size commonly comprised of basement clasts of granite, intermediate volcanic, quartzite, sandstone, and schist in an iron-rich red clay matrix (Fig. 2.3B) (Alveranga et al., 2011; Alvarenga and Trompette 1992).

The Puga Formations passes latterly into the Cuiabá Group which includes a thick sequence of fine-grained sandstone, siltstone, conglomerate, and diamictite. The depositional environment of the Cuiabá Group is deep glaciomarine slope and outer slope (Alveranga et al., 2011; Alvarenga and Trompette 1992). Conglomeritic sandstones grading into fine-grained sandstones are common within this unit. Pebbles of quartz, feldspar, and schist within the sandstones are 1 cm to 10 cm in diameter.

Raizama Formation (MT-2)

The Raizama Formation (depositional age 600-542 Ma) occurs at the base of the Alto Paraguai Group in western Mato Grosso. The Alto Paraquai is a group of glacial, platform, tidal-, wave- and storm-dominated shoreline, fluvial and deltaic depositional systems associated with changes in sea-level from global glaciation events in the late Neoproterozoic (Nogueira and Riccomini 2001; Bandeira et al., 2007; McGee 2013). The Raizama Formation (Fig. 2.3B) is comprised of a siliciclastic sequence of fine to medium-grained sandstone, cemented by dolomite, with hummocky crossbedding, ripple marks, and rip up clasts, interpreted as a storm and tidal influenced littoral deposit (Nogueira and Riccomini 2001; Silva et al., 2007; McGee 2013).

Furnas Formation (MT-1)

The Devonian Furnas Formation is part of the Paraná Basin, a wide intracratonic basin that covers approximately 1,700,000 km^2 of southeast South America, 1,100,000 km^2 of which is in Brazil. The Furnas Formation (Fig. 2.3B) is predominantly comprised of braided stream deposits interpreted to have been the result of the outwash of a periglacial fringe that accumulated during a regression ca. 395-360 Ma (De Ros 1998; Zalan et al., 1987). The formation is composed of fining-upward, crossbedded, quartz arenites interbedded with pebbly sandstones (De Ros 1998; Zalan et al., 1987).

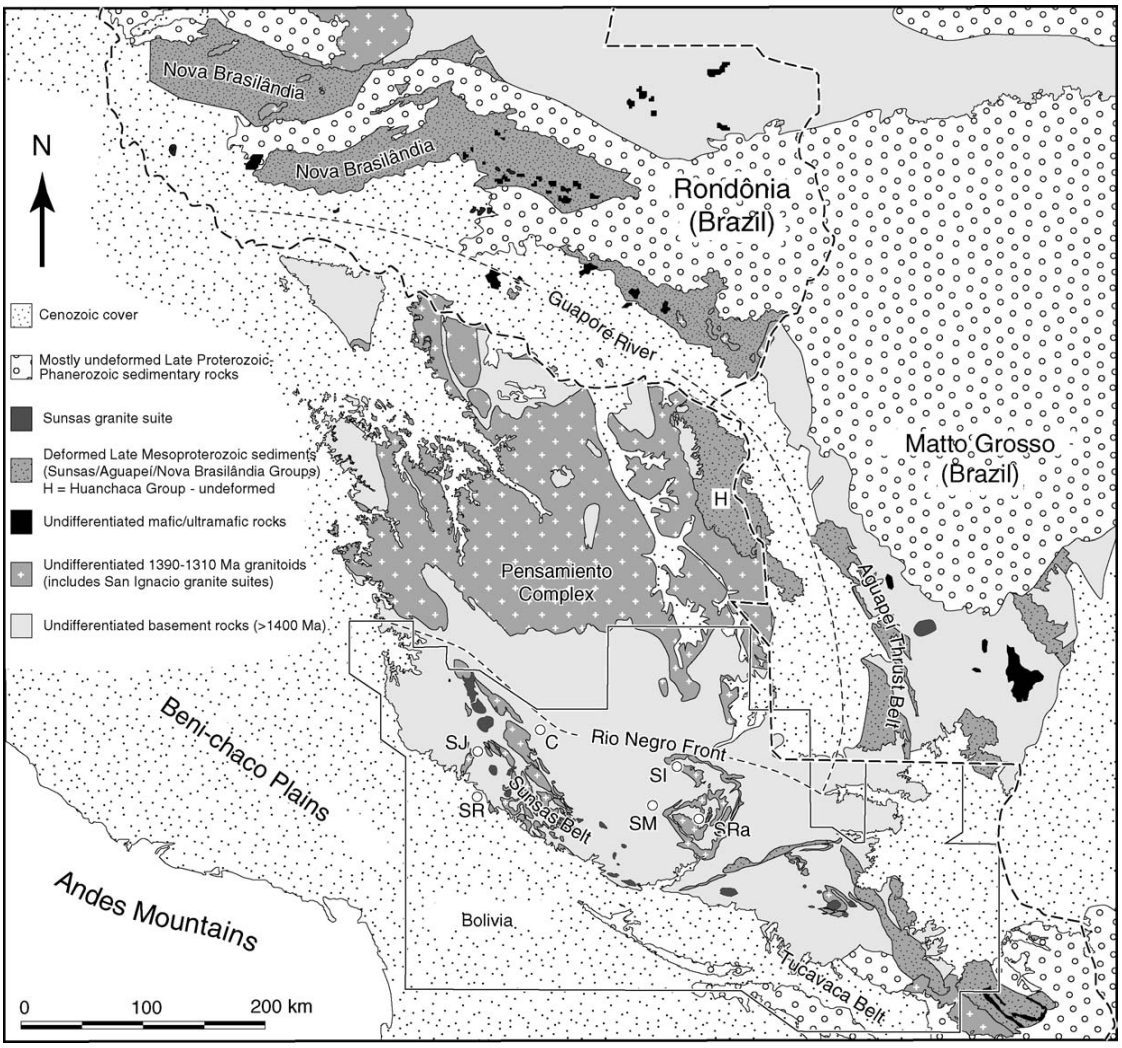


Figure 2.1Geology of SW Brazil and western Bolivia illustrating the location and approximate boundaries of the constituent tectonic provinces (Boger et al., 2005).

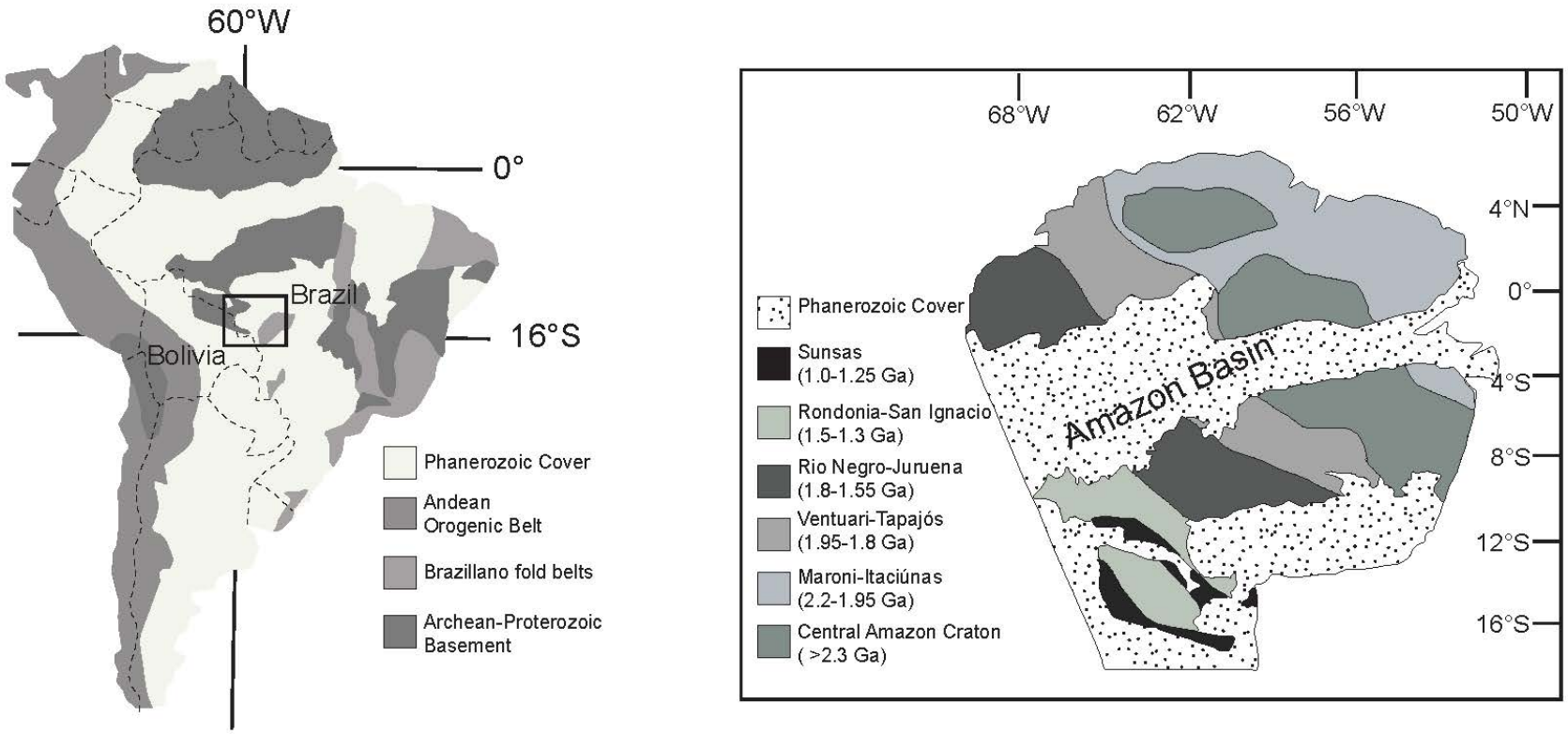


Figure 2.2. (A) Simplified tectonic map of South America and (B) geologic Map of the south-western portion of the Amazonian Craton (Adapted from Boger et al., 2005).

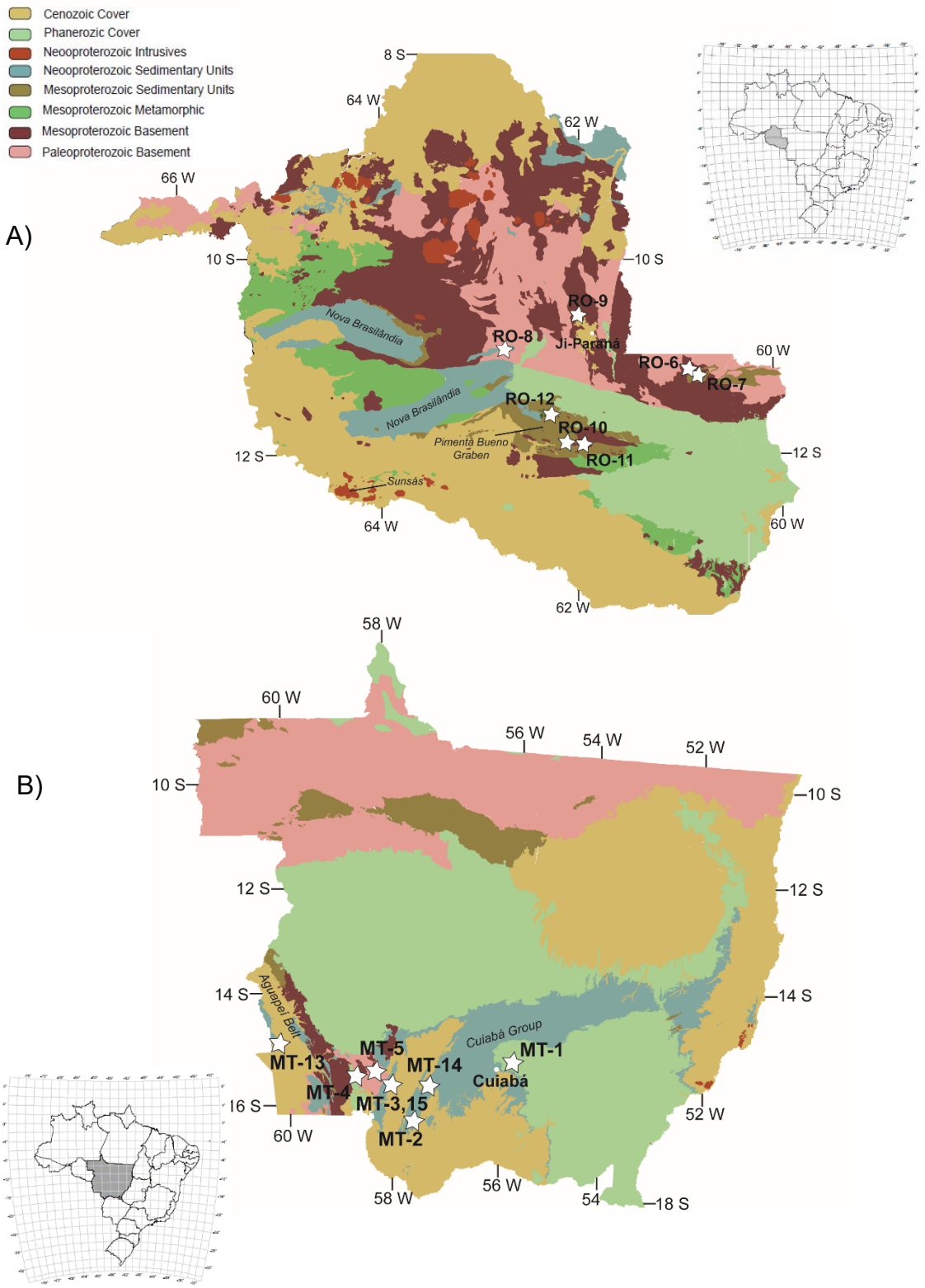


Figure 2.3. Geologic map, age provinces, and sample locations of A) Rondonia (RO) and B) Mato Grosso (MT) Brazil.

CHAPTER III: ANALYTICAL METHODS

U-Pb Zircon Geochronology

Fifteen representative samples were collected from Amazonia in the western states of Mato Grosso and Rondônia in Brazil. 12 samples were analyzed using detrital zircon methods and the remaining three were prepared and treated as igneous samples. Prior to analysis the samples were prepared at the University of Kentucky. Approximately 3-5 kg of each sample was crushed into 2-4 mm gravel-sized fragments using the jaw crusher and then ground to fine to medium-grained sand using the disk mill. Equipment was cleaned using compressed air, wire brushes, and isopropyl alcohol between each sample to avoid contamination. The samples were then dry and wet sieved using disposable plastic mesh screens with size intervals of 250, 125, and 53 µm to remove clay-sized particles. The remaining 250-125 µm and 125-53 µm size-fractions for each sample were washed in ultrasonic bath and dried in ovens overnight. Magnetic minerals were removed using a ceramic block magnet. Heavy minerals were separated from the sands using acetylene tetrabromide (specific gravity (SG) = 2.96) and methylene iodide (SG = 3.32). Magnetic minerals remaining in the sample were removed using a Frantz Isodynamic Magnetic Separator Model LB-1 at increasing current up to 1.5 Amps resulting in a relatively pure zircon aliquot. Zircons from the 53–125 µm aliquot were then selected to be mounted in epoxy for U-Pb dating due to a much higher abundance of zircons when compared to the 125-250 µm size fraction.

Zircon mounts were prepared for assessing hundreds of grains for U-Pb age-dating. A 1” diameter plastic mold was affixed to a 2x2” square of doubled sided tape, zircon concentrate was poured into a 0.5 x 0.5 cm brass tube and rotated and tapped to ensure even distribution. Three separate samples (four individual mounts) were placed within each one-inch mold along with zircon standards FC-1, SL-mix, and R33, ensuring adequate space between the samples and standards. For the three igneous samples in this study 35-50 prismatic zircon grains were handpicked from their aliquots and individually placed in rows on a sperate mount along with standards. Additionally, precautions were taken to ensure no cross-contamination between the samples. An epoxy was mixed using five parts Buehler Epo-Thin epoxy resin with two parts Buehler Epo-Thin epoxy hardener and poured into the mounting ring and left to cure for at least 24 hours. The epoxy mounts were then sanded down using 1500 and 2000 grit sandpaper, followed by a 0.3 µm alumina powder polish.

Backscatter electron (BSE) and cathodoluminescence (CL) images were collected on the University of Kentucky’s CAMECA SX50 electron probe microanalyzer and the JEOL IT-100 scanning electron microscope (SEM). The images collected were used to identify the presence of xenocrysts, zoning, inclusions, fractures, and metamorphic overprinting within individual zircon grain. The images collected were used as a guide to target ideal spots for LA-ICP-MS analyses.

Zircons were dated at the University of Arizona LaserChron Center using laser ablation-inductively coupled plasma-mass spectrometry (LA-ICP-MS) on a Thermo Element2 multicollector ICP-MS. Operating conditions used for data collection are described by Gehrels et al.,(2008). Approximately 300 grains were analyzed for each

sample. Zircon standards Sri Lanka (~563 Ma), FC-1 (~1099 Ma), and R33 (~419 Ma) were analyzed every five grains. In each analysis zircon grains were ablated with a Photon Machines Analyte G2 excimer laser equipped with a HelEx ablation cell with a spot diameter of 20 µm. The ablated material was transported by helium to the Element2 ICP-MS. The analysis processes involved 5 seconds of measuring peaks with a non-firing laser in order to collect relative background intensities and was then followed by 10 seconds of measuring peaks with the firing laser. The system then performed a 20 second delay in order to purge the system of ablated material between each analysis. Raw U-Th-Pb data reduction was performed at the University of Arizona using aPython decoding routine and the Excel program "E2agecalc" to calculate concentrations, isotopic ratios, and ages for unknowns. U-Pb Concordia, Tera-Wasserburg, weighted mean, and probably density plots were created using Isoplot 4.15 (Ludwig, 2011).

CHAPTER IV: RESULTS OF U-PB ZIRCON GEOCHRONOLOGY

Analyses from visible cores in zircon grains ranging in size from 53 μm to 125 μm separated from Amazonia Paleoproterozoic (MT-5), Mesoproterozoic (MT-4, RO-6, RO-7, RO-9, RO-11, MT-13, RO-10), Neoproterozoic (MT-3, MT-14, MT-15, RO-8, and RO-12), and Paleozoic (MT-1, MT-2) formations (Table 4.1) were used to determine: (1) potential age populations of source rocks that correspond to specific magmatic or metamorphic zircon generating events i.e. Grenville or Amazonian and (2) provide constraints on the maximum depositional age of the sedimentary protolith. Magmatic zircon cores were analyzed to determine igneous protolith age and used for comparison to detrital Amazonian age-modes obtained from the analyses. Geochronologic data including raw isotopic ratios and U-Pb ages are compiled in Appendix 1. The "best ages" used to compile histograms were determined from $^{206}Pb/^{238}U$ ages for grains less than 900 Ma and $^{206}Pb/^{207}Pb$ ages for grains greater than 900 Ma. This distinction is made because $^{206}Pb/^{238}U$ ages are more precise for dates < 900 Ma and $^{206}Pb/^{207}Pb$ ages are more precise for older dates (Gehrels, 2008).

Discordancy of the U-Pb system is a common phenomenon occurring in zircons analyzed by LA-ICP-MS. Explanations for the observed discordancy include lead loss due to zircon recrystallization or high-grade metamorphic events, or as a result of laser spot analyses overlapping zircon growth zones. Probability density plots and histograms used only zircon analyses that are 95-105% concordant. The most probable age modes and minor peaks for each sample were calculated using the "Unmix" function in Isoplot. Protolith ages for magmatic zircons were calculated and plotted using Wetherill and Tera-Wasserburg concordia diagrams.

Paleoproterozoic

MT-5

MT-5 had 315 grains analyzed, and 275 grains were 95-105% concordant (Fig.4.3A). Zircon grains in MT-5 are anhedral to euhedral and very angular to subrounded. Most of the grains exhibit strong oscillatory zoning and an absence of unzoned rims, typical of magmatic zircons (Fig. 4.3B-D). Many zircons were fractured and avoided for analysis. Zircons from MT-5 plot along or near concordia in a linear array and exhibit a dominant age mode of 1832 Ma and two minor age modes at 1890 Ma and 2005 Ma (Fig. 4.3A). Two single grains at 1100 Ma and 1232 Ma are interpreted to be the result of contamination during sample preparation.

Mesoproterozoic

MT-4

The MT-4 sample was collected from the eastern flank of the Aguapeí mobile belt had 315 grains analyzed with 215 grains between 95-105% concordant (Fig. 4.4A). Most zircon grains are anhedral to subhedral, with some euhedral grains and angular to rounded. Many of the zircon grains are fractured and broken but most display magmatic oscillatory zoning observed in CL imaging (Fig. 4.4B-D). Most grains are heterogenous displaying a variety of zoning patterns, variations in brightness, and lack of rim overgrowths. Most analyses for MT-4 plot in a linear fashion along the concordia line but discordance is present in a number of the grains. MT-4 has two dominant age modes; 1542 and 1781 Ma (Fig. 4.4A). Two single concordant zircon grains from the sample yield ages of 1255 and 1261 Ma.

RO-6

Sample RO-6, a Mesoproterozoic monzogranite, was collected in eastern Rondônia and analyzed as a magmatic sample. 35 zircons were analyzed and 17 were used for age determination based of concordancy. Most zircons were subhedral to euhedral and all display oscillatory zoning around cores. Several of the zircons contain xenocrysts and appear to have overgrowth rings around the rim. Single spot $^{206}Pb/^{238}U$ ages range from 1525-1563 Ma. The concordia diagram (Fig. 4.11A) shows discordancy in many of the analyses but concordant ages are generally within error. The calculated upper intercept for the sample is at 1550 ± 15 Ma and the lower intercept has a large error and does not correspond to a known geologic event.

RO-7

RO-7 was collected from the Dardanelos Formation directly overlying basement sample RO-6. 315 zircon grains were analyzed from the sample, 63 analyses were discarded from final totals due to anomalous ^{204}Pb. Of the 252 remaining analyses, 115 were strongly discordant, plotting below concordia in a sublinear array, leaving 137 analyses 95-105% concordant (Fig. 4.5A). Most zircon grains are anhedral to subhedral however a small portion of grains are euhedral. Most of the grains show oscillatory (sometimes faint) or sector zoning and lack overgrowths (Fig. 4.5B-D). Two age modes dominate samples RO-7: 1548 Ma and 1776 Ma (Fig. 4.5A), with no concordant grains younger than 1514 Ma. The four oldest grains in the sample yield dates of 2125, 2157, 2197, 2210 Ma.

RO-9

Sample RO-9, a charnokite basement orthogneiss was analyzed using single spot analysis on 35 grains. Zircon grains are euhedral and acicular and display very bright oscillatory zoning characteristic of magmatic zircons. $^{207}Pb/^{206}U$ ages range from 1455-1552 Ma with slight discordance (Fig. 4.11B). An upper intercept of 1518 ± 16 Ma is interpreted as the crystallization age of the orthogneiss protolith. The lower intercept of 1012 ± 280 Ma is consistent with Pb loss or growth of a new generation of zircon during Sunsas high-grade metamorphism.

RO-11

Sample RO-11, a granulite facies paragneiss from the Nova Brasilândia metasedimentary belt in central Rondônia. Zircon grains are euhedral to subhedral and display moderate oscillatory zoning. Although the sample is a paragneiss, only a small number of detrital zircons were analyzed. Single spot $^{207}Pb/^{206}U$ ages range from 984-1528 Ma (Fig. 4.11C) Concordia diagram shows variable discordancy, with an upper intercept of 1427 ± 27 and a lower intercept of 1049 ± 58 (MSWD = 2.7) consistent with Pb loss or growth of a new generation of zircon during Sunsas high-grade metamorphism (Fig. 4.11C).

MT-13

The MT-13 sample was collected from the western Aguapeí belt in western Brazil along the Bolivian border and had 315 grains analyzed with 281 grains between 95-105% concordant (Fig.4.6A). Most of the zircons are angular to subrounded and subhedral to euhedral however, there is a large abundance of anhedral grains that are very well-rounded. Most grains exhibit oscillatory and sector zoning. Several zircons contain xenocrysts and overgrowth rims (Fig. 4.4B-D). Many of the zircons are broken and show fractures on the surface. Zircon grains from MT-13 plot along or near concordia and yield two primary age modes at 1350 and 1410 Ma (Fig. 4.6A). Two smaller age modes are also present at 1522 Ma and 1764 Ma.

RO-10

Sample RO-10 was collected from the Nova Brasilândia metasedimentary belt. 315 zircon grains were analyzed and 216 were 95-105 % concordant (Fig. 4.7A). Discordant analyses excluded from "best age" modes were highly discordant, falling below concordia in a sublinear manner. Grains are anhedral to subhedral and angular to well-rounded, with very few euhedral grains. Zircons typically show oscillatory and sector zoning with some instances of xenocrystic cores and rim overgrowths. The primary age modes for RO-10 are 1212 Ma and 1549 Ma. Other significant modes for the sample occur at 1275, 1349, and 1437 Ma. Two minor age modes also occur at 1157 and 1777 Ma (Fig. 4.7A).

Neoproterozoic

RO-8

The RO-8 sample was collected from the Nova Brasilândia metasedimentary belt. 199 of 315 grains analyzed were 95-105% concordant (Fig. 4.7B). Discordant analyses for RO-8 display normal discordance. Most of the zircons are anhedral to subhedral and very angular to subrounded. RO-8 zircons are typically broken and abraded but still exhibit variable oscillatory zoning. The dominant age mode for this sample is 1572 Ma. Minor modes are also present at 1347 and 1758 Ma. A very small input, 4 zircon grains, is also present in the sample at 1016 Ma. A single grain at 656 Ma is the youngest grain observed in sample RO-8(Fig. 4.7B).

MT-15

Detrital zircons from sample MT-15 were collected from sandstone clast within the MT-3 diamictite sample. 315 zircon grains were analyzed from the sample and 261 were between 95-105% concordant (Fig. 4.7C). Discordant analyses fall just below concordia. Zircons from this sample are angular to subrounded and primarily anhedral to subhedral in shape. Oscillatory zoning is present in CL imaging for all the zircons analyzed. The primary mode for MT-15 is 1437 Ma. Three prominent peaks also appear at 1341, 1235, and 1528 Ma and two smaller age modes at 1168 and 1773 Ma (Fig. 4.7C).

MT-3

Sample MT-3 was collected from the Puga Formation of the late Neoproterozoic Cuiabá group. Zircons from the diamictite are primarily subhedral to euhedral and

angular to subrounded and display very bright oscillatory and sector zoning. Analysis of 315 zircons from the sample produced 296 dates within 95-105% concordance (Fig. 4.8A). There are few discordant analyses for MT-3 and all fall just below concordia. The most prominent age modes in the MT-3 are 1421 and 1345 Ma. Three additional peaks are also represented at 1767, 1522, and 1200 Ma. The two youngest concordant grains in MT-3 both have ages of 1015 Ma (Fig. 4.8A).

RO-12

RO-12 was collected in central Rondônia from the Pedra Redonda Formation of the Pimenta Bueno graben. 315 zircons were analyzed from RO-12 with 272 concordant analyses (Fig. 4.8B). Analyses that were not concordant show normal discordancy, falling below concordia. Most zircon grains are subhedral to euhedral, very angular to subrounded and show faint to very bright oscillatory zoning and sector zoning. A few of the grains display bright overgrowth rims in CL imaging. The dominant age mode in sample RO-12 is 1547 Ma, and two minor modes are present at 1776 and 1166 Ma. The youngest detrital zircon grain has an age of 624 Ma (Fig. 4.8B).

MT-14

Sample MT-14 of the Cuiabá Group had 315 grains analyzed and 236 were 95-105% concordant (Fig. 4.8C). Most analyses for MT-14 plot in a linear fashion along concordia but normal discordance is present in a few of the grains. Most of the zircon grains from the sample are subhedral to euhedral and very angular to subrounded. Oscillatory zoning is present in CL imaging for the majority of the zircons and ranges from faint to very bright. MT-14 has several age modes, the most prominent being 1168,

1225, and 1327 Ma. Other notable age modes present in the sample are 1053, 953, 1749, 1561, and 1450 Ma (Fig. 4.8C).

Paleozoic

MT-2

Sample MT-2 from the Cambrian Raizama Formation in southeast Mato Grosso was analyzed, 284 of the 315 grains analyzed were 95-105% concordant (Fig. 4.9 A). A small population of zircon grains show normal discordance off concordia. Most of the grains are subangular to well-rounded and anhedral to subhedral. Zircons typically show oscillatory and sector zoning with some instances of xenocrystic cores and rim overgrowths. Age modes for the sample range from 910-2092 Ma. The most prominent peaks in the sample occur at 1162 and 1305 Ma (Fig. 4.7A).

MT-1

MT-1 of the Devonian Furnas Formation had 315 grains analyzed, and 217 were 95-105% concordant (Fig. 4.9 A). Discordant analyses excluded from “best age” modes were normally discordant, falling below the concordia line. Grains from MT-1 were anhedral to euhedral and angular to very well-rounded. Oscillatory and sector zoning are common in CL imaging of the grains, with some instances of xenocrystic cores and rim overgrowths. As with sample MT-2, MT-1 shows multiple age modes present. Age modes range from 539- 2076 Ma, with the most prominent peaks occurring at 539, 620, 1037, and 956 Ma (Fig. 4.8 A).

Table 4.1. Sample location, lithology, and mineralogic characteristics

Sample:	Coordinates:	Formation:	Rock Type:	Abbreviated Mineralogy*:	Rounding**:	Grain Size(mm):
MT-1	15°23'59.2"S, 55°50'10.7"W	Furnas	Quartz Arenite	Qtz, Hem, Zrn	SA-WR	.065-.088
MT-2	16°14'09.8"S, 57°28'09.1"W	Raizama	Quartz Arenite	Qtz, Mc, Pl, Zrn	SA-SR	1.25-.074
MT-3	15°40'55.0"S, 58°04'04.6"W	Puga	Polymict Diamictite	Qtz, Ms, Pl, Mc, Hem	VA-R	n/a
MT-4	15°24'30.4"S, 58°05'57.9"W	E. Aguapeí	Quartz Arenite	Qtz, Ms, Zrn	SA-WR	.750-.070
MT-5	15°24'30.0"S, 58°05'58.3"W	Terra Boa?	Pelite	Qtz, Ms, Zrn	A-SA	.088-.062
RO-6	11°10'12.3"S, 60°54'31.9"W	Basement	Monzogranite	Qtz, Pl, Bt, Hbl	n/a	n/a
RO-7	11°11'15.2"S, 60°53'40.1"W	Dardanelos	Feldspathic Arenite	Qtz, Pl, Bt, Ms, Hem	VA-SA	.900-.149
RO-8	10°56'11.4"S, 62°45'58.8"W	Nova Brasilândia	Quartz Arenite	Qtz, Ms	A-R	1.00-.105
RO-9	10°42'31.5"S, 62°15'22.3"W	Basement	Charnokite	Qtz, Pl, Opx, Bt, Hbl, Grt	n/a	n/a
RO-10	11°53'07.4"S, 61°46'44.5"W	Nova Brasilândia	Feldspathic Arenite	Qtz, Mc, Ms, Zrn	SA-R	1.00-.125
RO-11	11°54'18.9"S, 61°51'04.5"W	Basement	Paragneiss	Qtz, Pl, Kfs, Bt, Hbl, Opx, Cpx, Grt	n/a	n/a
RO-12	11°54'19.1"S, 61°51'03.9"W	Pimenta Bueno	Polymict Diamictite	Qtz, Pl, Bt, Hbl, Cal	VA-R	n/a
MT-13	14°55'34.8"S, 60°01'12.9"W	W. Aguapeí	Feldspathic Arenite	Qtz, Ms, Pl, Hem	A-R	3.00-.062
MT-14	15°52'35.4"S, 56°52'01.8"W	Cuiabá	Litharenite	Qtz, Pl, Mc, Bt, Chl, Sil, Zrn	VA-SR	4.00-.074
MT-15	15°40'55.0"S, 58°04'04.6"W	Puga	Quartz Arenite	Qtz, Pl, Ms	VA-SR	.250-.060

**Mineral abbreviations according to Siivola and Schmid (2007).*

***Rounding designation after Power, M.C. (1953).*

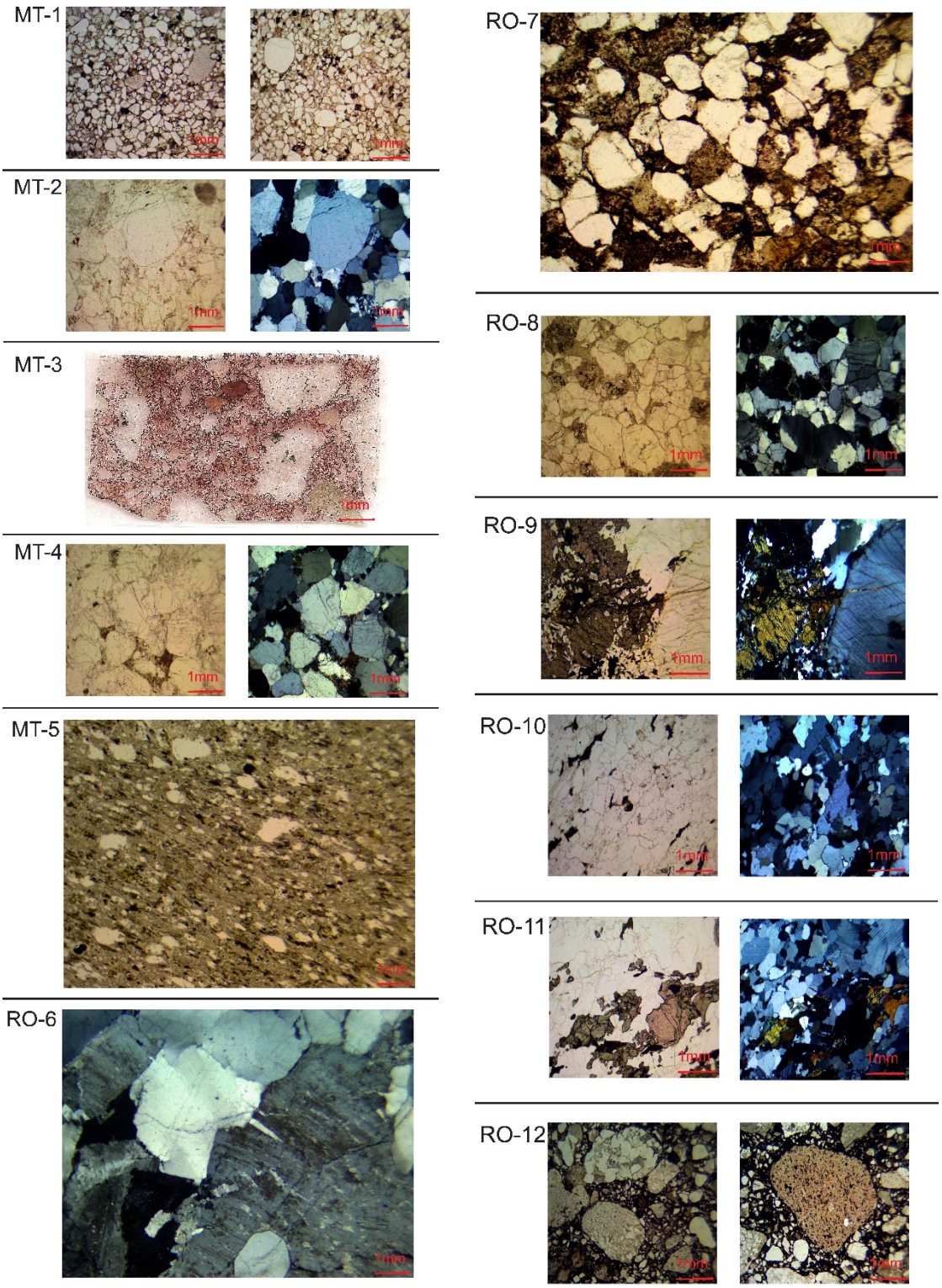


Figure 4.1. Photomicrographs showing characteristic mineralogy and petrography of Amazonia samples.

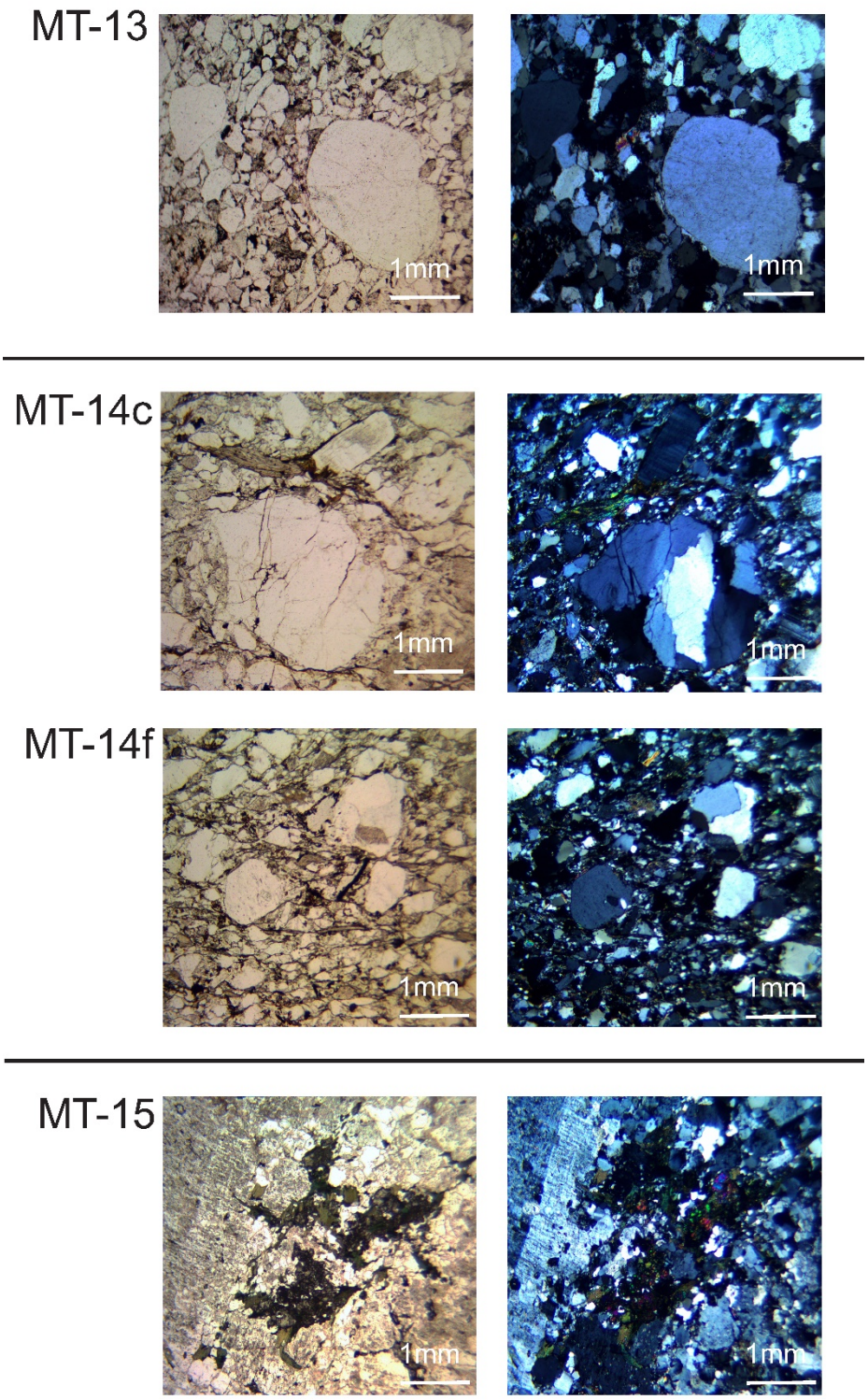


Figure 4.2. Photomicrographs showing characteristic mineralogy and petrography of Amazonia samples.

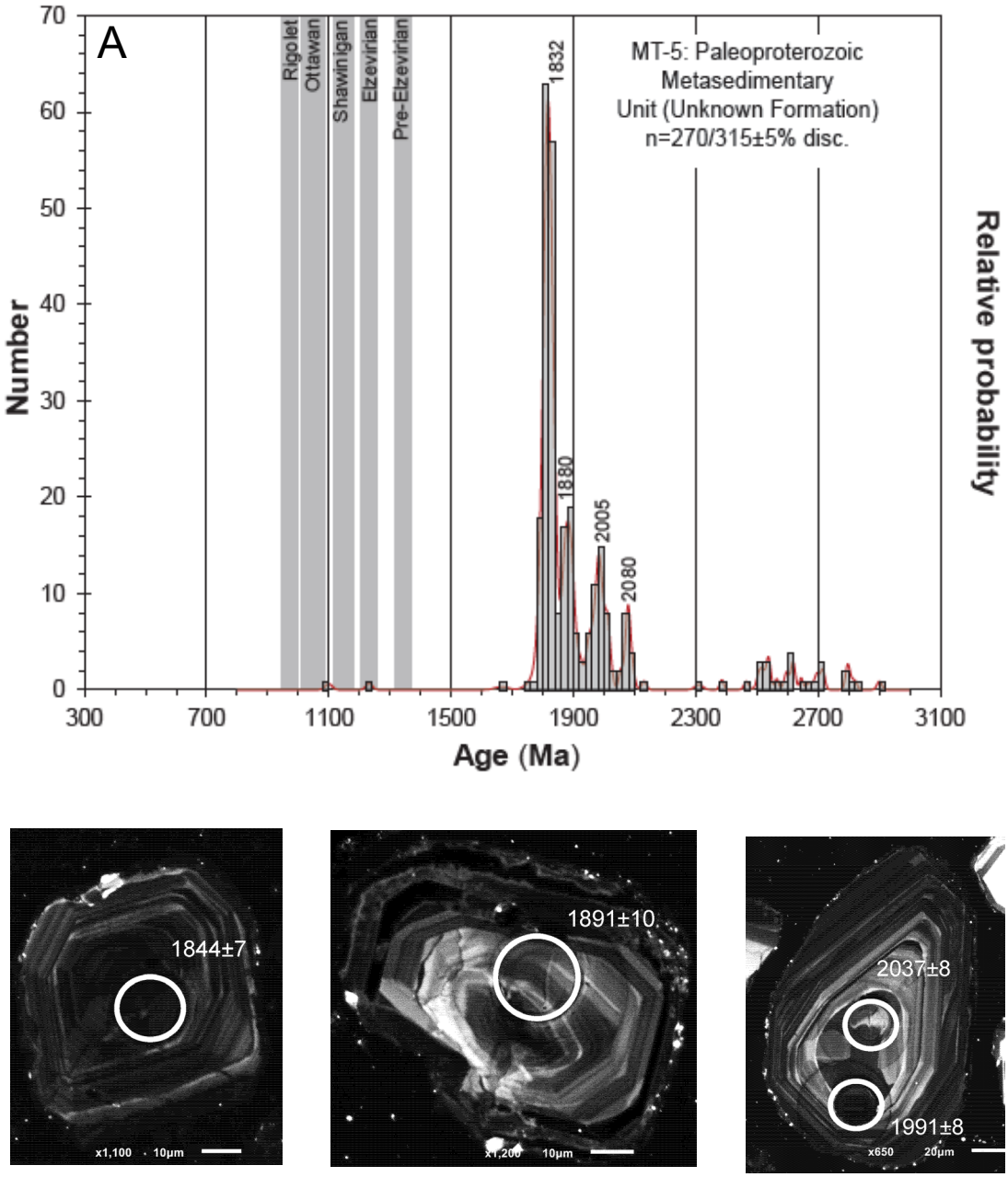


Figure 4.3. Results of LA-ICP-MS of detrital zircon from Paleoproterozoic sample MT-5. (A) Plot of detrital zircon U-Pb age histogram with 95–105% concordance. (B-D) Cathodoluminescence images of concordant detrital zircons from representative age distributions.

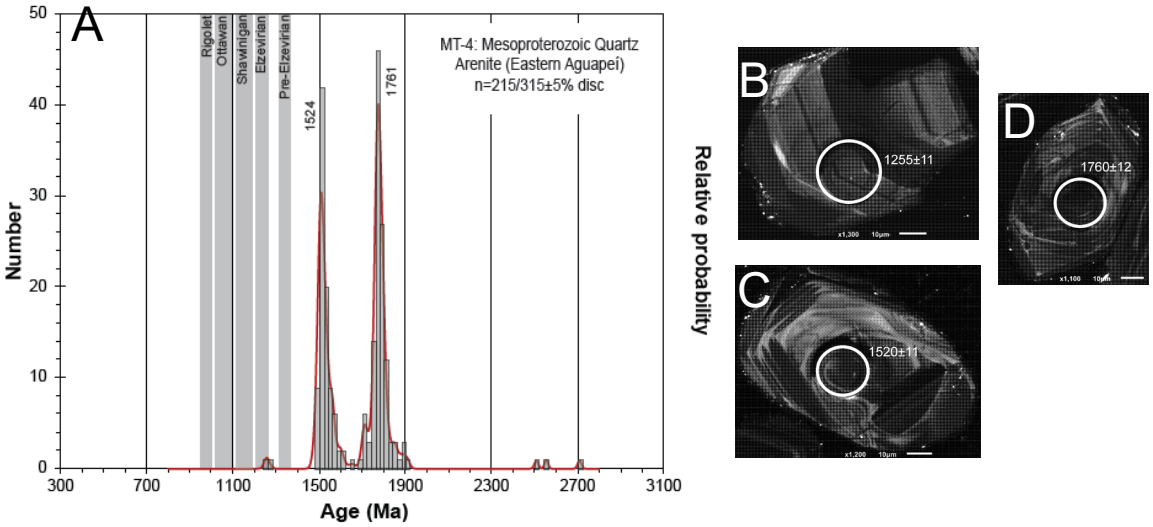


Figure 4.4. Results of LA-ICP-MS of detrital zircon from Mesoproterozoic sample MT-4. (A) Plot of detrital zircon U-Pb age histogram with 95–105% concordance. (B-D) Cathodoluminescence images of concordant detrital zircons from representative age distributions.

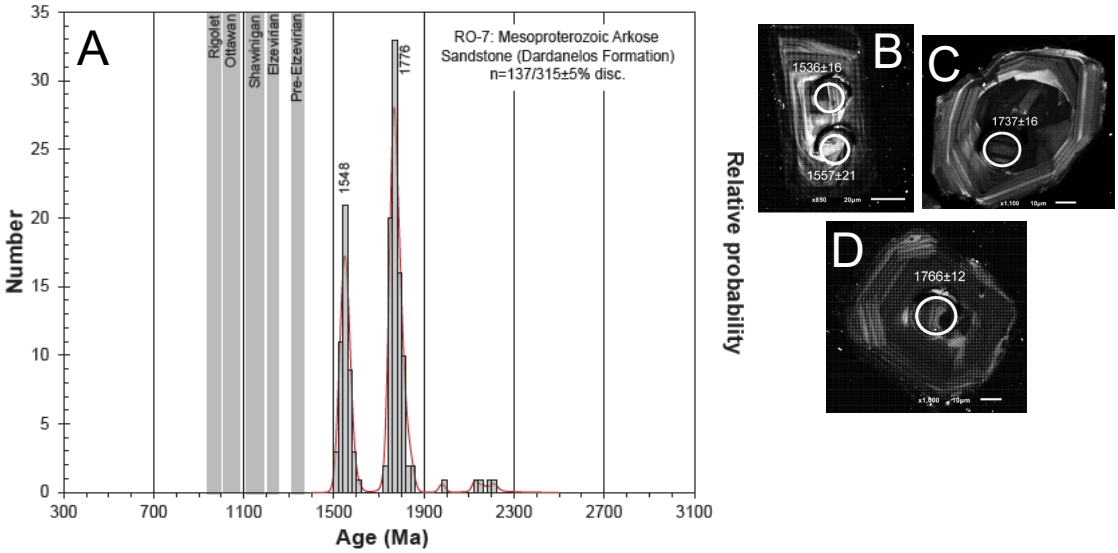


Figure 4.5. Results of LA-ICP-MS of detrital zircon from Mesoproterozoic sample RO-7. (A) Plot of detrital zircon U-Pb age histogram with 95–105% concordance. (B-D) Cathodoluminescence images of concordant detrital zircons from representative age distributions.

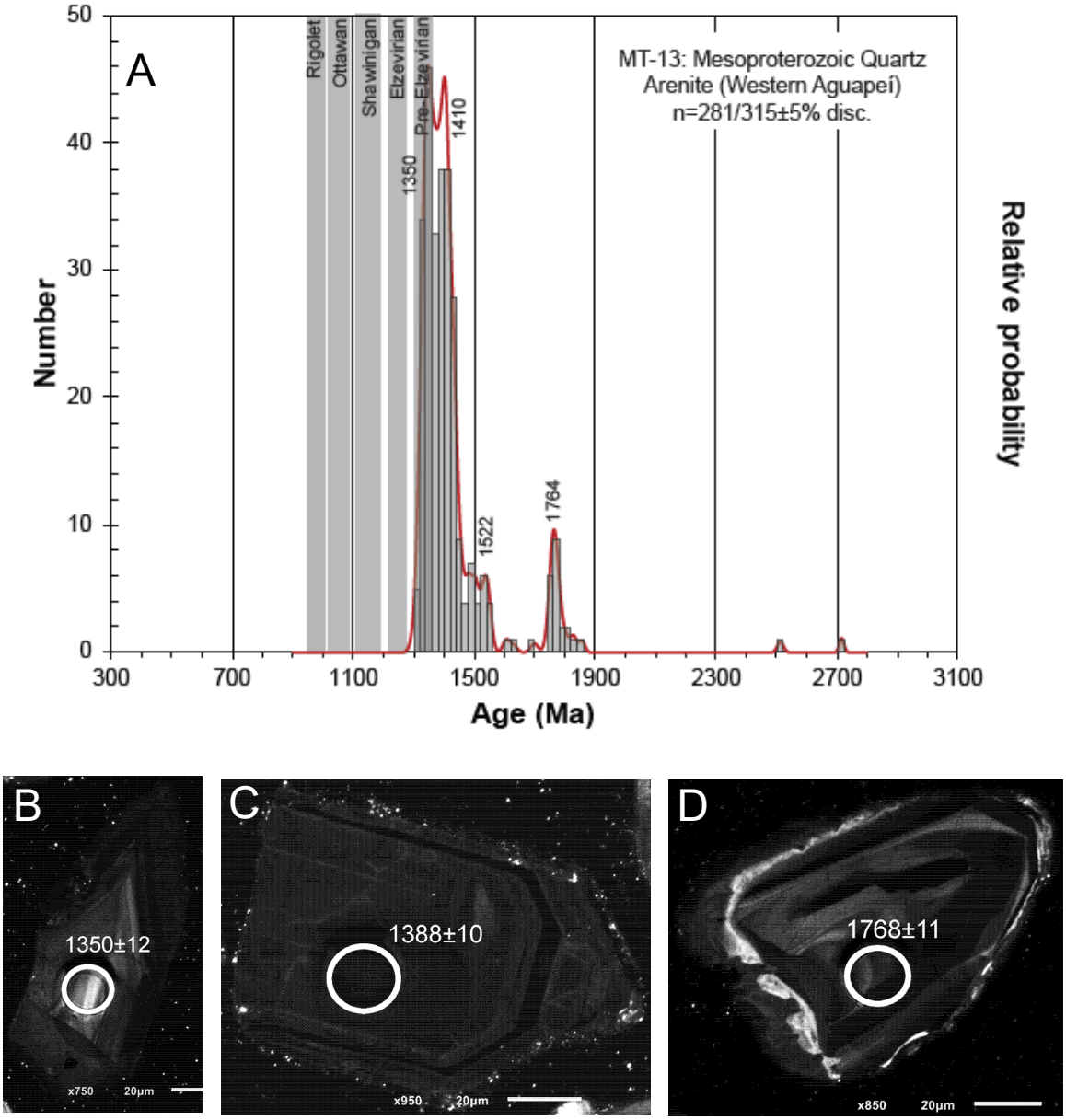


Figure 4.6. Results of LA-ICP-MS of detrital zircon from Mesoproterozoic sample MT-13. (A) Detrital zircon U-Pb age histogram with 95–105% concordance. (B-D) Cathodoluminescence images of concordant detrital zircons from representative age modes.

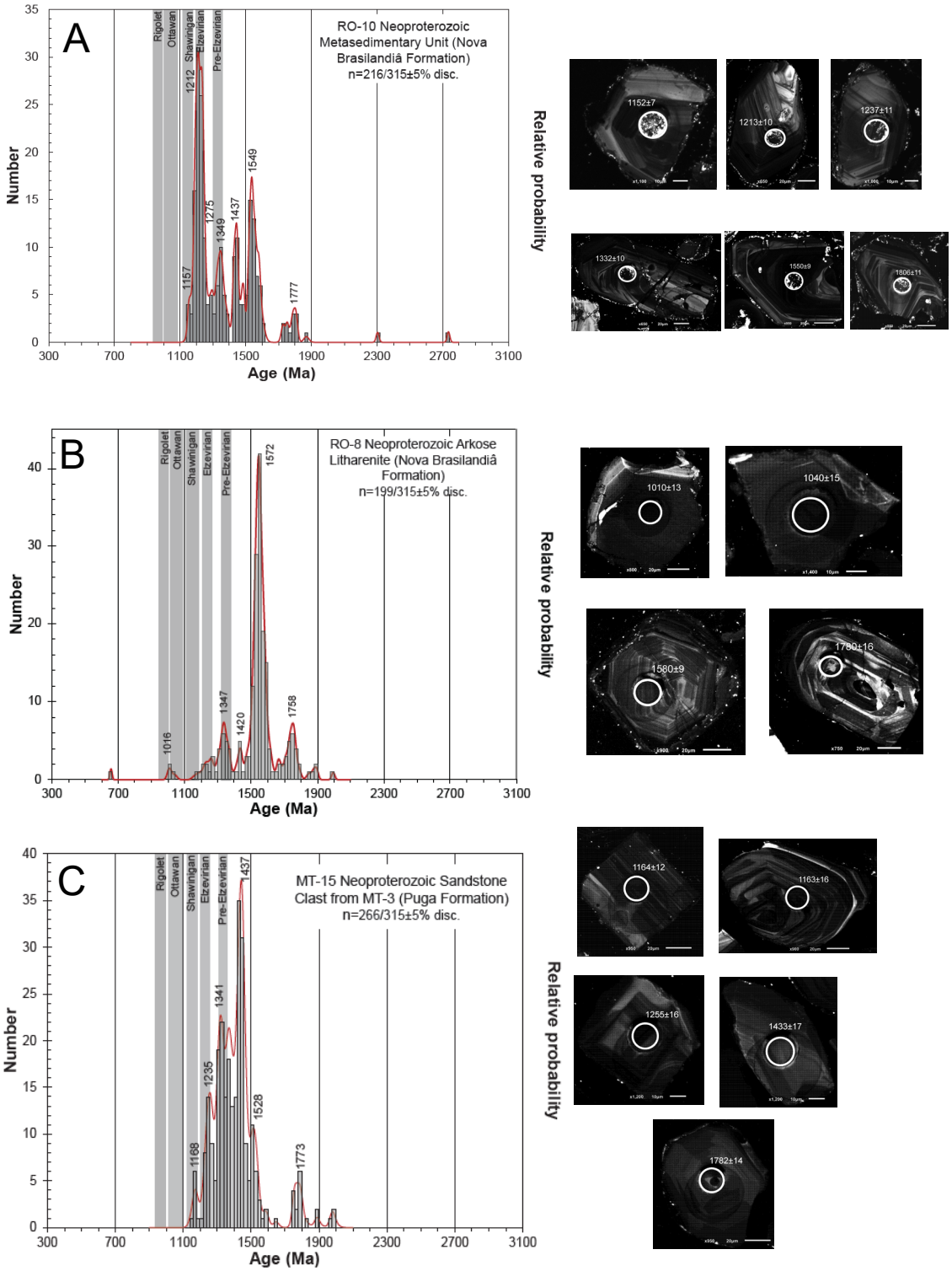


Figure 4.7. Results of LA-ICP-MS of detrital zircon from Neoproterozoic samples with 95–105% concordance and cathodoluminescence images of concordant detrital zircons: (A) RO-10, (B) RO-8, and (C) MT-15.

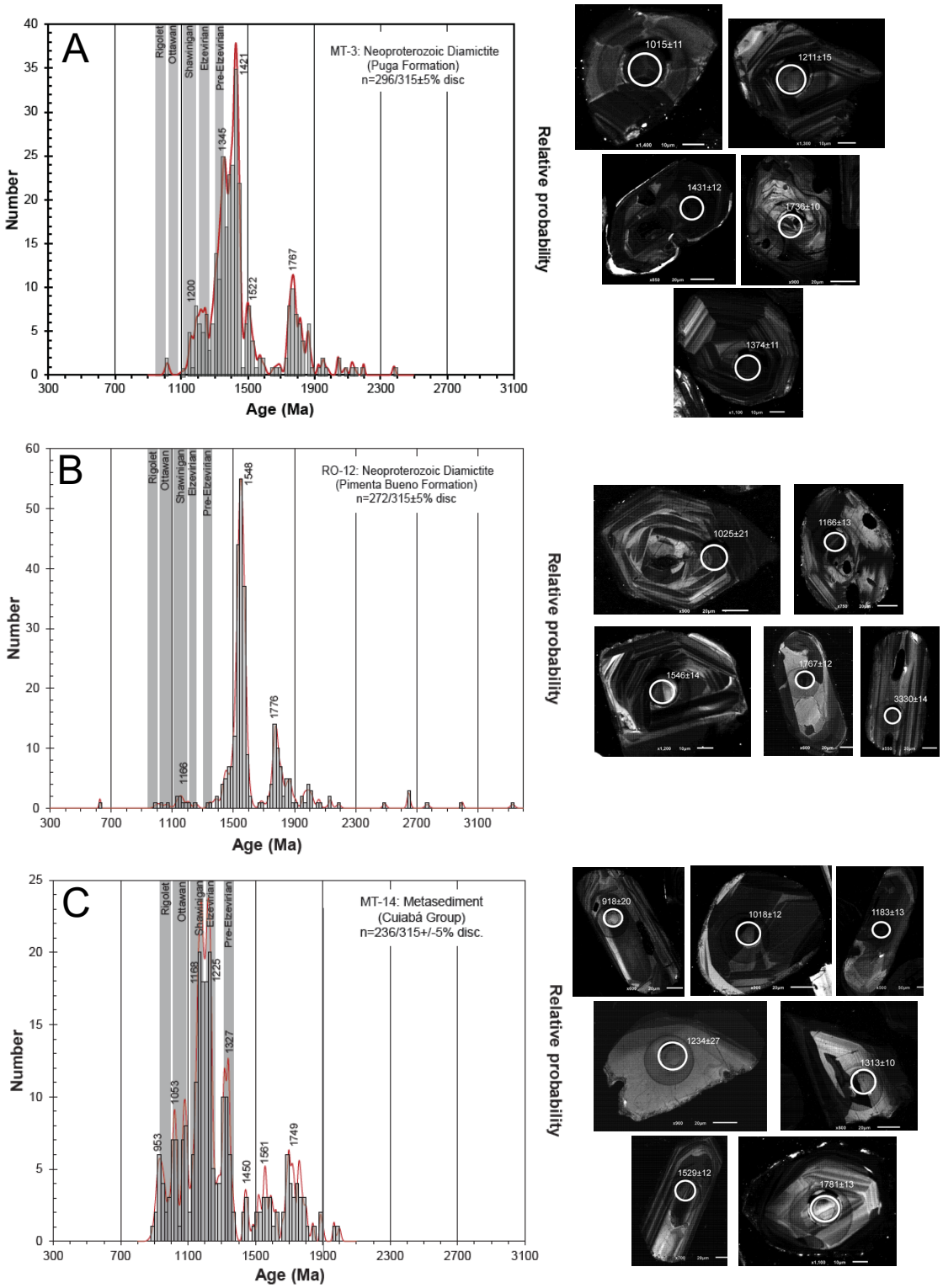
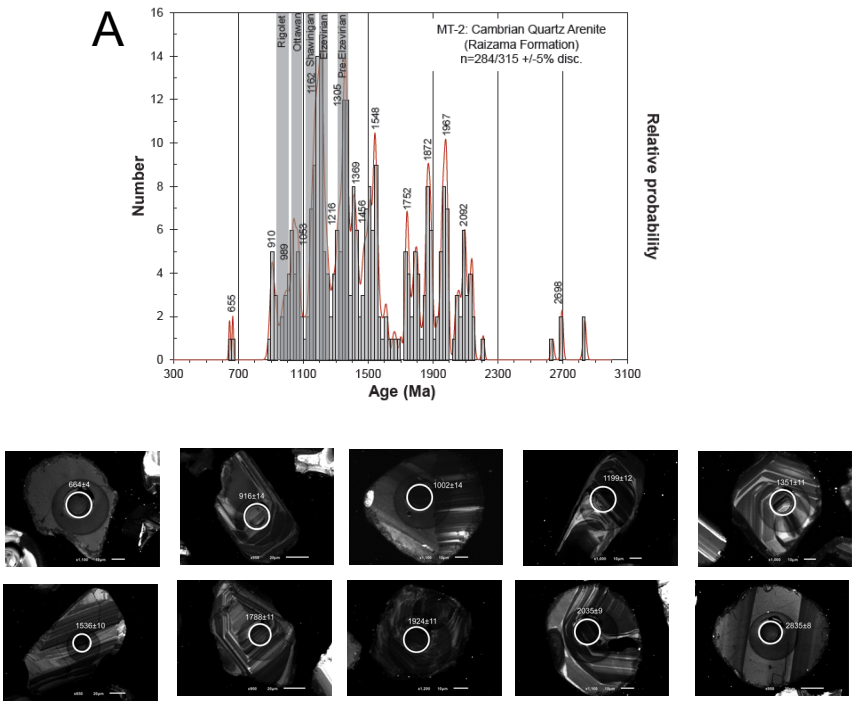


Figure 4.8. Results of LA-ICP-MS of detrital zircon from Neoproterozoic samples with 95–105% concordance and cathodoluminescence images of concordant detrital zircons: (A) MT-3, (B) RO-12, and (C) MT-14.



4.9. Results of LA-ICP-MS of detrital zircon from Paleozoic sample MT-2. (A) Plot of detrital zircon U-Pb age histogram with 95–105% concordance and cathodoluminescence images of concordant detrital zircons from representative age distributions.

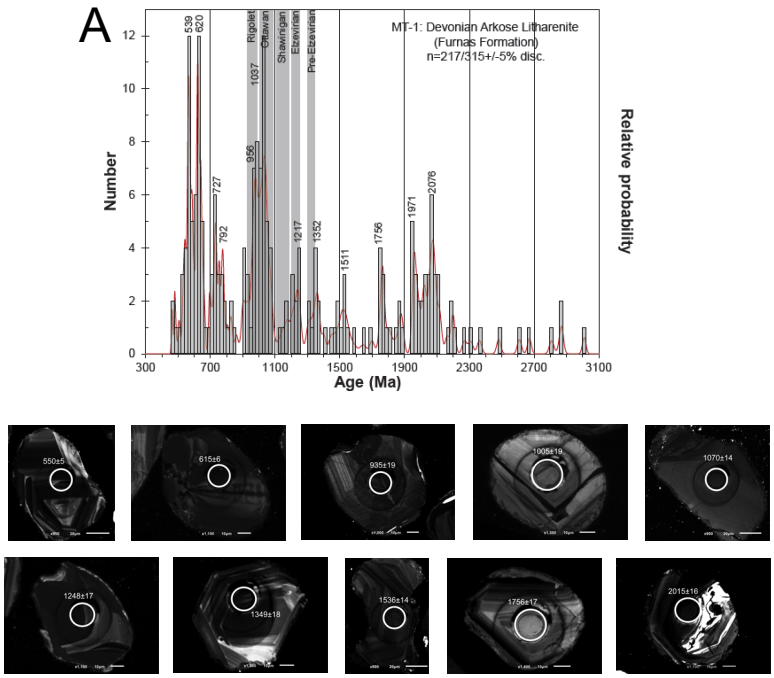


Figure 4.10. Results of LA-ICP-MS of detrital zircon from Paleozoic sample MT-1. (A) Plot of detrital zircon U-Pb age histogram with 95–105% concordance and cathodoluminescence images of concordant detrital zircons from representative age distributions.

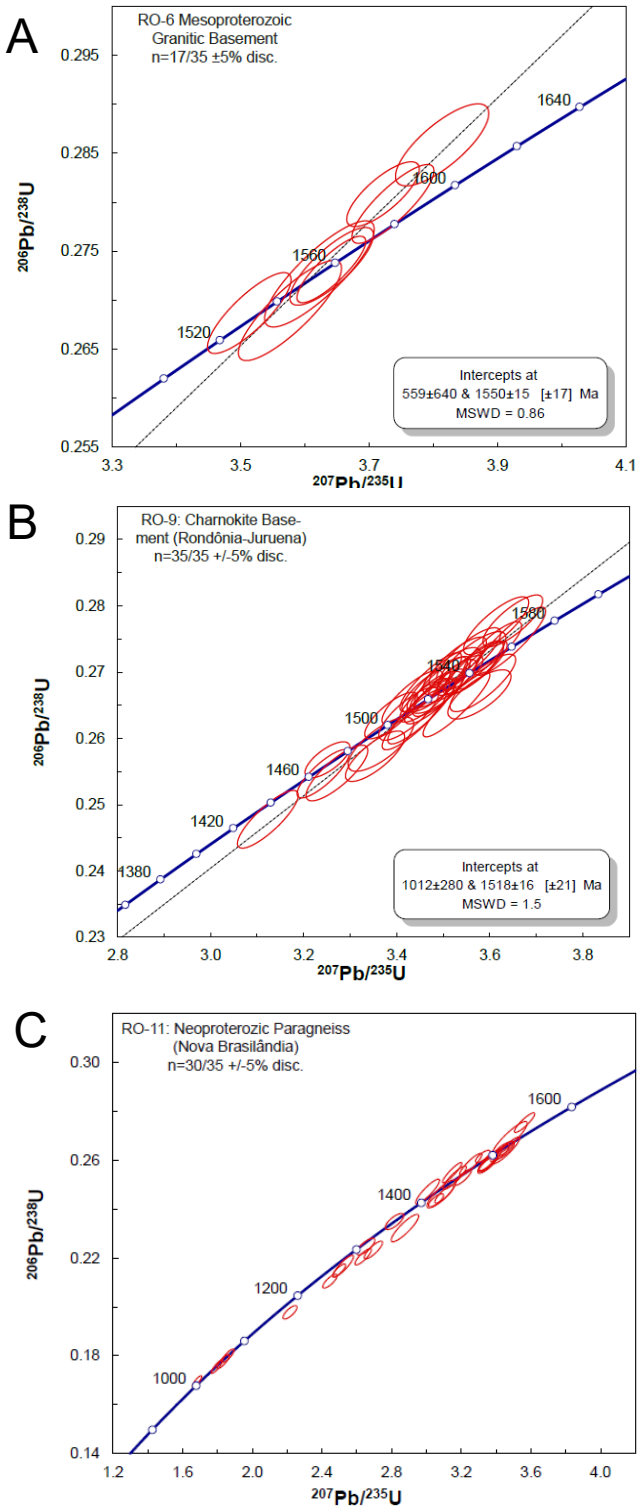


Figure 4.11. Results of LA-ICP-MS of Amazonia basement samples (A and B) and paragneiss (C). (A) RO-6 concordia diagram for all data, (B) RO-9 concordia diagram for all data, (C) RO-11 concordia diagram for all data.

CHAPTER V: DISCUSSION

Introduction

Understanding of the paleogeographic and tectonic relationship between Amazonia and Laurentia can be obtained by observing and interpreting patterns of detrital zircon age spectra from both cratons. In Laurentia it is common practice to interpret detrital zircon age modes by Precambrian crustal age provinces to ascertain the presence or absence of possible sources (e.g., Thomas et al., 2004; Park et al., 2010; Schwartz et al., 2019). In eastern Laurentia these age provinces are typically defined by the Superior (2.5-2.8 Ga), Penokean-Transhudson (1.78-1.9 Ga), Mazatzal-Yavapai (1.65-1.85 Ga), and Granite-Rhyolite provinces (1.3-1.5 Ga); the Grenville orogenic phases (1.37-0.96 Ga); and Appalachian orogenic events (0.47-0.25 Ga) (Whitmeyer and Karlstrom, 2007; Gehrels et al., 2011; Sharman et al., 2015; Chapman and Laskowski, 2019; Schwartz et al., 2019). Detrital zircon studies from North American clastic systems through time repeatedly exhibit age modes that are sourced from sediment derived from Laurentian basement provinces. The recurrence of this pattern allows for provenance distinction among crustal-forming events characteristic of Laurentia.

Assessing the presence and extent of sedimentary recycling, another factor that may lead to misleading or erroneous interpretation of provenance, requires an understanding of the definition of syn- and post-orogenic derived sediment. Synorogenic sediment is defined as being derived from active, ongoing orogenic magmatic and metamorphic events. Sediment characterized as synorogenic is produced during active uplift and deformation in the orogen. Considering timescales of exhumation and erosion during an orogenic cycle, and that zircon is derived primarily from felsic igneous rocks,

syn-orogenic detrital zircon and its associated sediments are likely sourced from volcanic rocks and shallow, rapidly exhumed plutons (Campbell et al., 2005; Reiners et al., 2005). Post-orogenic detrital zircon and sediment is generated after the termination of the active collisional orogenic phase while erosionally-induced uplift and exhumation are ongoing but decaying in rate. In this situation a delay in exhumation results in a lag between the time of crystallization, exhumation and erosion, and transport to the sedimentary basin. Systems with a major component of sediment sourced from older strata in the orogen, an important component of any collisional orogen, usually display detrital zircon age spectra that are dominated by grains from previous orogenic phases and contains little to no evidence of a source that formed during deposition.

An additional fundamental concept to recognize when interpreting detrital zircon analyses is first-cycle derived detrital zircons from crystalline sources and poly-cyclic detrital zircons derived from older sedimentary sources. Zircons derived from first-cycle igneous sources produce relatively simple age distributions that reflect the crystallization age of the source, while poly-cyclic detrital zircons obtained from sedimentary units that have been affected by multiple phases of recycling show more complex patterns from multiple sources (e.g., Link et al., 2005; Gehrels et al., 2011; Schwartz et al., 2019). This results in part because zircon is an ultrastable mineral in sedimentary systems, and along with quartz remains in the sedimentary system effectively forever unless the sedimentary rocks undergo high grade metamorphism. Simply stated, there will be an appearance through time of a greater number of age modes from more sources

Early Mesoproterozoic magmatic events in eastern Laurentia and the midcontinent are represented by the presence of Eastern and Southern Granite Rhyolite

Province basement domains with SHRIMP zircon U-Pb crystallization ages of 1.3-1.5 Ga (Bickford et al., 2015) (Fig. 1.1). The Granite-Rhyolite Provinces were the result of widescale Mesoproterozoic intracratonic extension along a convergent or transform margin that produced numerous A-type plutons across the midcontinent and southwestern United States (Bickford et al., 2015 and references therein).

Similarly, McLelland et al. (2013) and Southworth et al. (2010) found that zircon crystallization ages for magmatic rock comprising the Adirondack terrane and Grenville Appalachian inliers define Grenville magmatic and metamorphic events from the late Mesoproterozoic through the earliest Neoproterozoic (Fig. 1.1). Magmatic events associated with Grenville orogenesis occurred during 5 phases: Pre-Elzevirian: 1.37-1.31 Ga; Elzevirian: 1.26-1.22 Ga; Shawinigan 1.2-1.12 Ga; Ottawan 1.09-1.03 Ga; and Rigolet: 1.01-0.96 Ga. Pre-Elzevirian magmatism at 1.4-1.3 Ga was initiated during rifting of the Laurentian continental margin and the opening of two back-arc basins, producing numerous plutonic bodies exposed in the Adirondacks Highlands Terrane (AHT) and Central Metasedimentary Belt (CMB) (Dickin and McNutt 2007; McLelland et al., 2013). Magmatic zircons from the northern Appalachians, the Mt. Rogers area, the Blue Ridge French Broad massif west of Mars Hill, NC, and the eastern Great Smoky Mountain basement complex yield ages of 1.33-1.37 Ga, coeval with Pre-Elzevirian magmatism identified in the Adirondack terrane (Berquist 2005; Volkert et al., 2010; Tollo et al., 2017; Moecher et al., 2018). The onset of the Elzevirian phase occurred with the closure of the back-arc basins, island arc accretion, and the Elzevirian orogeny (McLelland et al., 2013 and references therein).The Elzevirian phase produced calcalkaline, gabbroic, and granitic plutons in the AHT and surrounding areas

accompanied by widespread metamorphism and tectonic activity (Carr et al., 2000; McLelland et al., 2013). During the early Shawinigan orogeny (~ 1.22 Ga) collisional, subduction tectonic activity was initiated by the closure of the CMB marginal basin and the emplacement of calcalkaline plutons in the Adirondacks Lowlands Terrane (ALT) (McLelland et al., 2013). The main collisional events of the Shawinigan from 1.19-1.14 Ga resulted in deformation and amphibolite-facies metamorphism in both the ALT and AHT. During the waning phases of Shawinigan contractional orogeny, granitoid rocks, anorthosites, and associated gabbros were emplaced within the Grenville Province as a result of delamination of the lithosphere (Emslie et al., 1994; McLelland et al., 2013). The Ottawan phase of the Grenville orogeny at 1.09-1.03 Ga was the result of the final collision between Amazonia and eastern Laurentia. The collision resulted in granulite-facies metamorphism and widespread magmatism (McLelland et al., 2013).

Shawinigan and Ottawan age magmatic rocks have also been identified throughout the Appalachians and the Blue Ridge and are interpreted to represent two pulses of plutonism that was accompanied by widespread regional metamorphism during the Ottawan and early Neoproterozoic. The Rigolet phase (1.01-0.96 Ga) is limited to zircon overgrowth rims in the AHT and is not observed in the ALT (Rivers et al., 2012; McLelland et al., 2013). However, in the northern and southern Appalachians the Rigolet plutonism and high-grade metamorphism is well-represented in areas such as the New Jersey Highlands (Volkert et al., 2010), the Shenandoah massif (Southworth et al., 2010), the Mars Hill terrane (Aleinikoff et al., 2013), and the Pine Mountain uplift (Steltenpohl et al. 2004).

The Grenville Signature Through Time

Age spectra obtained from late Mesoproterozoic and early Neoproterozoic (~1150-1000 Ma) clastic samples from North America show a significant sediment input sourced from the Granite-Rhyolite provinces and older Proterozoic and Archean terranes. Grenville sourced sediment is primarily associated with Shawinigan and Elzevirian orogenic events, with only minor syn-orogenic (Ottawan) sourced sediment present in the samples. By the middle to late Neoproterozoic (~750-540 Ma) Laurentian age spectra show the majority of the sediment contribution coming from Grenville-source terranes. Shawinigan and Ottawan ages dominate the modes, with a small input from earlier Grenville orogenic events. By the early Paleozoic (Cambrian) Laurentian samples continue to be dominated by Shawinigan and Ottawan age modes. However, by this time Ottawan magmatic and metamorphic events become more prevalent in the age spectra and earlier Grenville phases constitute a much smaller proportion of the dated grains. During the middle to late Paleozoic (Ordovician-Permian) Laurentian samples begin to exhibit a much wider array of age modes, yet the major age components continue to be Shawinigan and Ottawan with the appearance of Taconic (~472-440 Ma) sourced sediment coming from Appalachian orogenic events.

In all the Laurentia samples, syn-orogenic sediment is rare to nonexistent, a trend that has been previously observed in Appalachian clastic wedges (Thomas et al., 2004; Becker et al., 2005). The delay in Grenville source sediment within the systems is attributed to a lag in exhumation of Grenville lithologies, as discussed above. After exhumation of Grenville-source components in the Neoproterozoic, clastic sequences become dominated by Grenville sourced sediment as apparent in the late Neoproterozoic

and basal Cambrian samples. By the end of the Paleozoic, Laurentian sedimentary systems display a wider array of age modes suggesting multiple source components, however, Grenville age modes continue to dominate.

$^{40}Ar/^{39}Ar$ ages compiled from a ca. 750 km transect in southwestern Brazil for comparison with ages from the Grenville Province in North America show that in Laurentia the Grenville belt exhibits much deeper exhumation, (10-30 km), while in Amazonian depth of exhumation was shallower (5-15 km) (Tohver et al., 2004, 2006). The volume of rock exhumed calculated from a 1 km wide transect or slice through the crust using the exhumation depth corresponding to the closure temperature for the $^{40}Ar/^{39}Ar$ system in hornblende predicts that more than 8,000 km^3 of material was exhumed and eroded from the North American Grenville belt, whereas in Amazonia only 2,100 km^3 material had been exhumed (Fig. 5.1). The difference in the exhumation volume is attributed to a difference in tectonic regime across Laurentia and into Amazonia. The deeper crustal level exposed in North America is a result of collisional, thrust-dominated stacking of crustal slabs, while the shallow to mid-crustal level exposure in Amazonia marks the suture zone between the two cratons and a change to a strike-slip dominated tectonism that did not involve substantial crustal thickening across most of the orogen (Tohver et al., 2004, 2006).

The Grenville Signature in Amazonia

Samples MT-4, MT-5 and RO-7 represent units sourced entirely from Amazonian tectonic provinces (Fig 5.2 J, K, L). All three samples have generally bimodal age

distributions; MT-4 1524 and 1781 Ma, MT-5 1832 and 2005 Ma, RO-7 1548 and 1776 Ma all corresponding to the Transamazonic (2.25-2.00 Ga) and the Rio Negro-Juruena (1.80–1.55 Ga) tectonic provinces (Santos et al., 2000). Age spectra from samples MT-4, MT-5, and RO-7 lack any evidence for input from outside sediment sources and therefore may be used to define the "Amazonian spectrum" for comparison with younger samples.

Sample MT-13 from the western Aguapeí belt has a depositional age mapped by the Brazilian geologic survey (CPRM) of 1167-1149 Ma. MT-13 has primary age modes at 1310, 1450, 1522, and 1764 Ma. Despite having the same depositional age as the Shawinigan phase of the Grenville, the samples show no evidence for syn-orogenic sedimentation in Amazonia (Fig. 5.2 I). There is Pre-Elzevirian and Elzevirian age modes are present in the sample, but the ages can also be correlated to the Rondônia-San Ignacio (1450–1300 Ma) tectonic province in western Amazonia.

Sample RO-8 from the Nova Brasilândia and shows minor evidence of synorogenic deposition however, most of the sample is comprised of grains coming from the older Rio Negro-Juruena and Rondônia-San Ignacio tectonic events (Fig. 5.2G). It should also be noted that RO-8 also contains 4 concordant grains that correspond to ~1016 Ma, which is younger than the mapped depositional age.

RO-10 was also collected from the Nova Brasilândia metasedimentary belt. Unlike Sample RO-8, which consisted of much older age spectra (1347, 1572, and 1758 Ma), Sample RO-10 shows evidence of synorogenic deposition with dominant age spectra occurring at 1157 and 1212 Ma (Fig. 5.2H).

Samples MT-3, MT-14, and MT-15 of the Cuiabá Group and Puga Formation (ca.630-590 Ma) record a much more complex provenance history. MT-3 and MT-15 of

the Puga diamictite formation exhibit prominent age spectra that correspond to the Shawinigan, Elzevirian, and Pre-Elzevirian phases of Grenville orogenesis but lack evidence of an Ottawan-age component which is commonly recorded in Laurentian samples from the same time interval (Fig. 5.2 C, E and F). Sample MT-14 of the Cuiabá Group shows even more complexity in age modes, attributed to recycling and input from successively younger sources, with dominant peaks at 953, 1053, 1168, 1225, and 1327 Ma (Fig. 5.2C). Although the main spectra in the sample all correlate to Grenville orogenic phases, the Shawinigan and Elzevirian constitute the majority of the age modes present in the sample.

RO-12, of the Pimenta Bueno formation (ca. 622 Ma), shows only minor evidence of syn and post-orogenic sediment deposition, with most of the ages obtained from the sample coming from the Rio Negro-Juruena and Rondônia-San Ignacio tectonic provinces. When comparing RO-12 to samples from the same time interval in Laurentia the amount of syn and post-orogenic sediment in the samples is much smaller, making up only around 5-10% of the overall ages (Fig. 5.2D).

Paleozoic samples, MT-1 and MT-2 show the most input from younger sources with age modes occurring at almost all intervals ((Fig. 5.2 A and B). Cambrian sample MT-2 from the Raizama formation (depositional age 600-542 Ma) exhibits spectra from every phase of Grenville orogenesis, with the most prominent ages coming from grains produced during the Pre-Elzevirian, Shawinigan, and Rigolet phases. MT-1 from the Devonian Furnas formation (ca. 395-360 Ma) displays the most variety in age spectra consistent with recycling from a larger number of sources. MT-1 has dominant age

modes at 956 and 1037 Ma making the Ottawan and Rigolet the primary zircon generating events comprising the sample.

Laurentia vs. Amazonia

Laurentian clastic sequences repeatedly display evidence that Grenville-sourced sediment was abundant and widely available for recycling into successively younger strata. By the late Mesoproterozoic and early Neoproterozoic, Grenville basement begins to supply detritus, as indicated by the appearance of the pre-Elzevirian, Elzevirian, and Shawinigan age modes. By the late Neoproterozoic and basal Cambrian, Grenville-ages dominate zircon age distributions (Fig. 5.2 bottom) consistent with a fully exhumed Grenville orogen. By the end of the Paleozoic age distributions show more complexity associated with multiple phases of recycling from multiple sources, however Grenville ages remain to be the most abundant age modes (Fig. 5.2 bottom).

In Amazonia, a record of Grenville input is much less apparent than in Laurentia. Amazonian samples from the Mesoproterozoic and early Neoproterozoic show little evidence for Grenville-sourced sediment, displaying age modes that are characteristic of Amazonia crustal provinces (Fig. 5.2 top). By the middle to late Neoproterozoic there are only a small number of ages that correlate to Grenville phases. The majority of the ages correspond to early Grenville events of the Pre-Elzevirian and Elzevirian whereas in Laurentia the Grenville doublet, Shawinigan and Ottawan are the dominant phases. It is only by the end of the Neoproterozoic that Grenville sediment begins to comprise a meaningful portion of age distributions from Amazonia samples. By the early and middle Paleozoic, Grenville-sourced grains are more abundant in Amazonian samples, which is

not surprising considering the affect that poly-cycle detrital zircons coming from multiple sources has on age distributions (Schwartz et al., 2019).

Although the continental scale clastic system corresponding to the "Great Grenville Sedimentation Episode", appears repeatedly in the Laurentian sedimentary record, the same widescale sediment availability and recycling do not appear on the Amazonian side of the orogen. Despite the longevity and hot geothermal conditions that contributed to their abundance in Laurentia, Grenville zircons in Amazonia are rarer until the late Neoproterozoic and Paleozoic. This is most likely due to delayed uplift and sampling from multiple lithologies where Grenville sourced grains were already abundant.

Summary and Future Work

The evidence presented in this study shows that there was not a significant input of Grenville-sourced sediment to Amazonia. Analyses of over 3,000 detrital zircons shows only a small population of grains present, in stark contrast to samples from Laurentia. Despite the amount of evidence presented here, more work could be conducted to better understand the results relationship between Amazonian and Laurentia during Rodinian assembly.

The Sunsas Belt is commonly described as the "Grenville equivalent" orogen in South America. Samples collected from plutons of the Sunsas in central and eastern Bolivia display U-Pb ages of 1075 Ma, coeval with Laurentian Ottawan plutonism (Boger et al., 2005). Similarly, isotopic studies from the Arequipa basement and Antofalla massif in southern Peru have shown them to be exotic and accreted to

Amazonia during Rodinian assembly (Chew et al., 2011). U/Pb geochronology of the Arequipa-Antofalla show that a metamorphic event occurred between 1.20 and 0.94 Ga and is inferred to be related to Grenville orogenic events occurring in Laurentia at the same time (Loewy et al., 2004; Casquet et al., 2008; Reimann et al., 2010; Chew et al., 2011). Although little evidence of Grenville magmatic zircon grains was present in our study, this could be attributed to the distance from the orogenic front where the samples were collected. To understand the true extent of Grenville orogenesis in Amazonia, more samples should be collected from Bolivia and Peru for geochronology and isotopic analyses.

Another constraint that should be applied to the samples would be the addition of analyses from other isotopic systems. Although U/Pb geochronology is ideal for obtaining information on the ultimate magmatic and metamorphic origin of lithologies, other isotopic systems applied to the same samples would complement and refine published results. Lu-Hf, Sm-Nd, and the Pb-Pb systems provide critical information on the chemical differentiation of the Earth and the origin of igneous rocks. Using zircons from previous and newly obtained samples from Amazonia and Laurentia, Lu-Hf and Pb-Pb analyses would help define the magmatic origin of the host zircon bearing lithologies, i.e. juvenile or evolved. Information obtained from analyses of both sides of the orogen could then be used to determine if there was a shared crustal provenance source or mixing between Amazonia and Laurentia and help in reconstructing the paleogeographic relationship between the two cratons curing the Proterozoic.

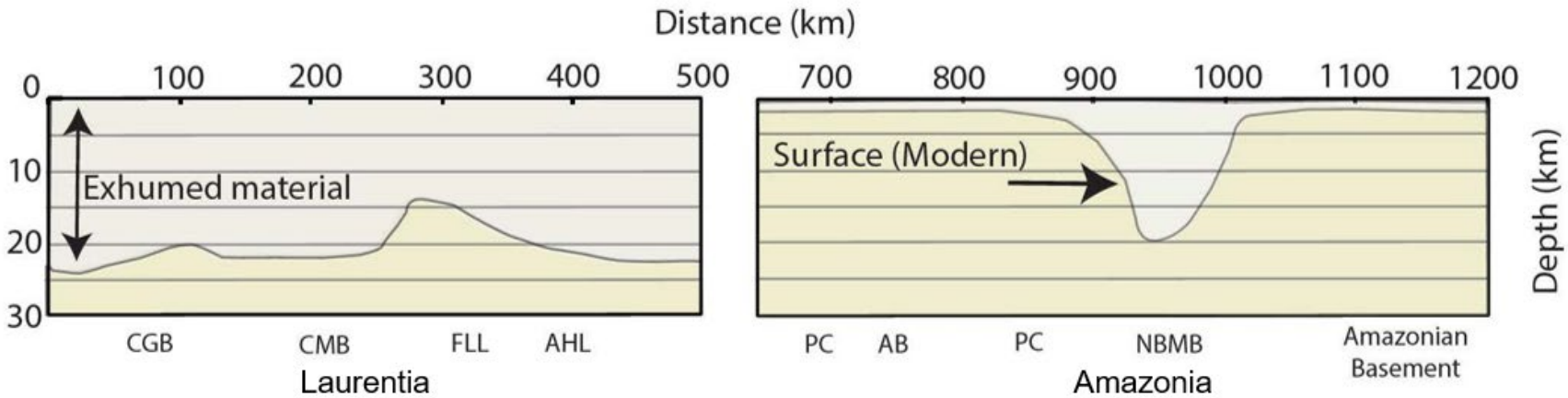


Figure 5.1. Calculated paleodepths for 1.0 Ga from observed cooling rates with 30℃/km geotherm. Gray line (moving average) is depth of modern surface at 1.0 Ga (10x vertical exaggeration [v.e.]), calculated using $^{40}Ar/^{39}Ar$ thermochronology from hornblende block temperature of 500℃ at 1.1 Ga NBMB—Nova Brasilaˆndia metasedimentary belt; AB—Aguapeı´ belt; PC—Paragua craton; AHL—Adirondack Highlands;FLL—Frontenac-Adirondack Lowlands; CMB—Central Metasedimentary Belt; CGB—Central Gneiss Belt (Adapted from Tohver et al., 2006).

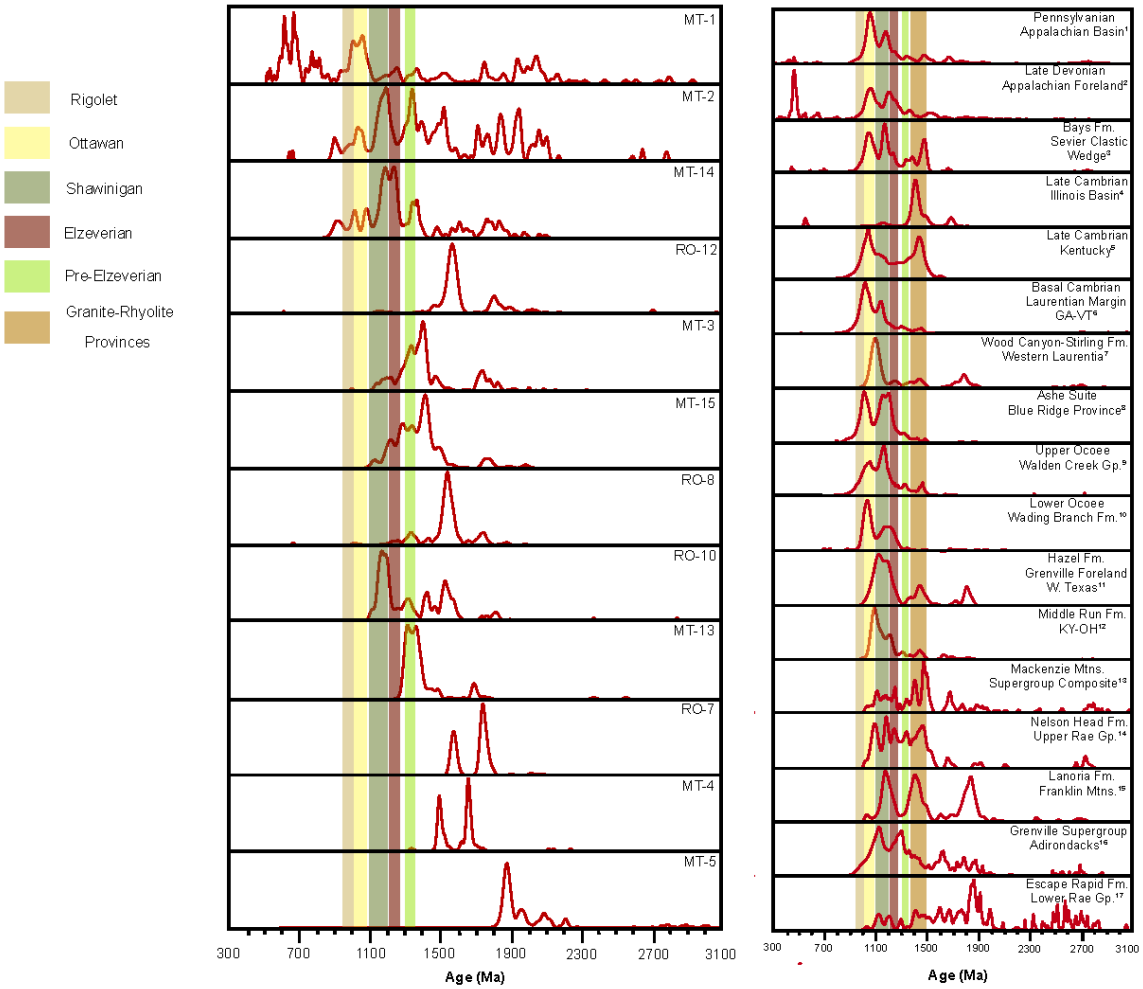


Figure 5.2. Probability distribution plot ribbon diagram of detrital zircon age populations from Right: Amazonia (A-L this study) and Left: Laurentia (Previous studies citied in references).

Appendix: U/Pb Geochronology Results

MT-1	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
MT-1	1	390	113327	1.5	9.2987	0.6	4.5019	0.9	0.3037	0.7	0.76	1710	11	1731	8	1757	11	1757	11	97
MT-1	2	290	61129	2.4	15.9615	0.7	0.8488	1.2	0.0983	0.9	0.79	604	5	624	5	695	15	604	5	87
MT-1	3	206	69302	2.0	13.4154	0.7	1.7237	1.3	0.1678	1.1	0.84	1000	10	1017	8	1055	14	1055	14	95
MT-1	4	591	78721	1.2	16.8305	0.7	0.7763	1.4	0.0948	1.2	0.86	584	7	583	6	581	16	584	7	100
MT-1	5	237	34877	0.9	16.8266	0.8	0.7457	1.4	0.0910	1.1	0.80	562	6	566	6	582	18	562	6	97
MT-1	6	425	120430	3.7	13.3014	0.6	1.7824	1.0	0.1720	0.7	0.77	1023	7	1039	6	1072	12	1072	12	95
MT-1	7	851	58062	7.5	17.0146	0.8	0.6912	1.5	0.0853	1.3	0.86	528	6	534	6	558	16	528	6	95
MT-1	8	474	53404	4.3	8.4115	0.7	4.5292	1.3	0.2764	1.1	0.83	1573	15	1736	11	1939	13	1939	13	81
MT-1	9	912	805996	2.4	14.0361	0.5	1.5790	0.9	0.1608	0.8	0.86	961	7	962	6	964	10	964	10	100
MT-1	10	119	109335	3.2	7.5512	0.6	6.4873	0.9	0.3554	0.7	0.76	1961	12	2044	8	2130	11	2130	11	92
MT-1	12	212	123398	0.8	17.2843	1.1	0.6281	1.7	0.0788	1.3	0.75	489	6	495	7	523	25	489	6	93
MT-1	13	491	54742	2.2	12.5451	0.7	2.1012	1.2	0.1913	1.0	0.82	1128	10	1149	8	1189	13	1189	13	95
MT-1	14	224	53616	1.7	16.7778	0.9	0.7522	1.2	0.0916	0.8	0.67	565	4	569	5	588	20	565	4	96
MT-1	15	120	804380	0.8	16.2439	1.2	0.8299	1.5	0.0978	0.9	0.63	602	5	614	7	658	25	602	5	91
MT-1	16	51	20090	2.0	15.2097	1.0	1.1215	1.4	0.1238	1.0	0.70	752	7	764	8	797	21	752	7	94
MT-1	17	368	272061	2.4	13.5540	0.7	1.7181	1.4	0.1690	1.2	0.84	1006	11	1015	9	1035	15	1035	15	97
MT-1	18	302	165916	5.2	16.5658	1.1	0.7517	1.4	0.0903	0.9	0.66	558	5	569	6	616	23	558	5	91
MT-1	19	103	247769	1.5	9.2732	0.8	4.3524	1.2	0.2929	0.9	0.75	1656	13	1703	10	1762	14	1762	14	94
MT-1	20	78	14316	1.9	13.4504	0.8	1.8464	1.4	0.1802	1.2	0.82	1068	11	1062	9	1050	17	1050	17	102
MT-1	21	312	3141430	1.6	13.0954	0.6	1.8037	1.1	0.1714	1.0	0.85	1020	9	1047	7	1104	12	1104	12	92
MT-1	22	330	35035	2.9	16.4547	0.8	0.8210	1.4	0.0980	1.1	0.81	603	6	609	6	630	18	603	6	96
MT-1	23	270	31655	4.1	16.5733	0.9	0.7402	1.4	0.0890	1.0	0.76	550	5	563	6	615	19	550	5	89
MT-1	24	563	60581	1.3	16.6273	0.8	0.8433	1.4	0.1017	1.2	0.82	625	7	621	7	608	18	625	7	103
MT-1	25	191	37259	2.6	13.6680	0.8	1.6188	1.3	0.1605	1.0	0.78	960	9	978	8	1018	17	1018	17	94
MT-1	26	607	158986	3.4	13.3909	0.9	1.7377	1.4	0.1688	1.1	0.77	1006	10	1023	9	1059	18	1059	18	95
MT-1	27	488	456676	1.5	9.0844	0.7	4.7340	1.2	0.3120	1.0	0.80	1751	15	1773	10	1800	13	1800	13	97
MT-1	28	331	35154	2.5	16.5582	0.6	0.8425	1.1	0.1012	0.9	0.84	622	6	621	5	617	13	622	6	101
MT-1	29	332	51902	1.6	15.5707	0.7	1.0684	1.1	0.1207	0.9	0.81	735	6	738	6	748	14	735	6	98
MT-1	30	199	68504	2.2	14.6142	0.8	1.2983	1.3	0.1377	1.0	0.78	831	8	845	7	881	17	831	8	94
MT-1	31	316	118309	2.6	8.1369	0.6	5.8085	1.3	0.3429	1.1	0.87	1901	18	1948	11	1998	11	1998	11	95
MT-1	32	235	14355	1.0	16.9218	0.9	0.7585	1.6	0.0931	1.3	0.82	574	7	573	7	570	20	574	7	101
MT-1	33	202	151113	1.4	11.5487	0.7	2.7003	1.1	0.2263	0.8	0.75	1315	10	1329	8	1351	14	1351	14	97
MT-1	34	344	79607	1.5	7.8804	0.6	6.2779	1.1	0.3590	1.0	0.85	1977	16	2015	10	2055	10	2055	10	96
MT-1	35	339	92863	1.9	12.2152	0.6	2.3108	1.2	0.2048	1.0	0.85	1201	11	1216	8	1241	12	1241	12	97
MT-1	36	84	64554	1.4	6.9657	0.8	8.1661	1.2	0.4127	0.8	0.71	2227	15	2250	10	2270	14	2270	14	98
MT-1	37	103	26949	2.7	16.1129	1.0	0.9116	1.5	0.1066	1.1	0.74	653	7	658	7	675	22	653	7	97
MT-1	38	357	64365	2.1	5.7010	0.8	11.4391	1.2	0.4732	0.9	0.78	2498	20	2560	11	2609	13	2609	13	96
MT-1	39	104	28411	3.4	13.8998	1.1	1.5551	1.4	0.1568	0.9	0.66	939	8	953	9	983	22	983	22	95
MT-1	40	119	374961	2.0	5.4927	0.7	12.7893	1.0	0.5097	0.7	0.72	2655	16	2664	10	2671	12	2671	12	99
MT-1	41	258	179860	3.3	11.8074	0.8	2.5992	1.5	0.2227	1.2	0.83	1296	14	1300	11	1308	16	1308	16	99
MT-1	42	201	35822	1.9	13.3890	1.1	1.7585	1.6	0.1708	1.1	0.69	1017	10	1030	10	1059	23	1059	23	96
MT-1	43	231	30609	2.3	13.0040	0.7	1.8739	1.0	0.1768	0.8	0.76	1050	8	1072	7	1118	13	1118	13	94
MT-1	44	121	53683	1.1	8.9935	0.8	4.8003	1.3	0.3132	1.0	0.77	1757	16	1785	11	1818	15	1818	15	97
MT-1	45	586	851586	3.6	16.8036	0.8	0.7820	1.3	0.0953	1.0	0.78	587	6	587	6	585	17	587	6	100
MT-1	46	630	569737	3.1	13.7515	0.6	1.7559	1.1	0.1752	0.9	0.83	1041	9	1029	7	1005	12	1005	12	104
MT-1	47	675	445078	27.0	14.2831	0.8	1.4238	1.6	0.1476	1.3	0.87	887	11	899	9	928	16	928	16	96
MT-1	48	680	75579	3.0	11.4953	0.6	2.8458	1.4	0.2374	1.2	0.90	1373	15	1368	10	1359	12	1359	12	101
MT-1	49	589	40177	1.2	15.4190	0.6	1.1115	1.1	0.1244	0.9	0.82	756	7	759	6	769	14	756	7	98
MT-1	50	259	36181	2.0	17.4282	0.8	0.6170	1.5	0.0780	1.3	0.87	484	6	488	6	505	17	484	6	96
MT-1	51	240	39532	2.8	10.9050	0.8	3.1262	1.2	0.2474	0.9	0.73	1425	11	1439	9	1460	15	1460	15	98
MT-1	52	66	109979	6.6	16.6983	1.4	0.6808	2.0	0.0825	1.4	0.70	511	7	527	8	599	30	511	7	85
MT-1	53	208	33358	1.0	9.7605	0.6	3.4339	1.2	0.2432	1.1	0.87	1403	14	1512	10	1668	11	1668	11	84
MT-1	54	204	14886	0.8	7.5853	1.9	6.0388	2.3	0.3324	1.4	0.59	1850	22	1981	20	2122	33	2122	33	87
MT-1	55	107	25913	15.8	15.1465	1.2	1.0790	1.8	0.1186	1.3	0.74	722	9	743	9	806	25	722	9	90
MT-1	56	88	64020	1.8	15.0955	1.1	1.1777	1.5	0.1290	1.0	0.67	782	7	790	8	813	23	782	7	96
MT-1	57	282	1595461	1.3	3.8633	0.6	22.8578	1.4	0.6407	1.3	0.92	3192	34	3221	14	3239	9	3239	9	99
MT-1	58	273	423036	1.7	7.2908	0.8	7.2838	1.5	0.3853	1.3	0.84	2101	23	2147	14	2191	15	2191	15	96
MT-1	59	41	77868	0.7	15.2698	1.4	1.0543	2.1	0.1168	1.5	0.73	712	10	731	11	789	30	712	10	90
MT-1	60	132	101473	1.1	8.2947	0.8	5.7985	1.4	0.3490	1.2	0.81	1930	19	1946	12	1964	15	1964	15	98
MT-1	61	165	17282	3.2	14.3344	1.1	1.4507	1.7	0.1509	1.2	0.73	906	10	910	10	920	23	920	23	98
MT-1	62	153	61156	1.4	13.8826	1.2	1.5622	1.7	0.1574	1.2	0.73	942	11	955	10	986	23	986	23	96
MT-1	63	386	269998	4.8	8.3643	0.6	5.5109	1.6	0.3345	1.5	0.93	1860	24	1902	14	1949	11	1949	11	95
MT-1	64	113	39834	0.8	6.8122	0.8	8.5036	1.5	0.4203	1.2	0.83	2262	23	2286	13	2308	14	2308	14	98
MT-1	65	124	111316	0.8	4.4619	0.7	17.6687	1.3	0.5720	1.1	0.84	2916	25	2972	12	3010	11	3010	11	97
MT-1	66	70	35409	0.4	14.3878	1.1	1.4464	1.8	0.1510	1.4	0.78	907	12	908	11	913	23	913	23	99

MT-1	67	608	684279	1.9	5.7323	0.6	10.6280	1.3	0.4420	1.2	0.90	2360	23	2491	12	2600	10	2600	10	91
MT-1	68	333	168156	5.7	16.8828	1.0	0.7340	1.4	0.0899	1.0	0.70	555	5	559	6	575	22	555	5	97
MT-1	69	349	24915	2.8	14.0709	0.9	1.5860	1.5	0.1619	1.1	0.78	967	10	965	9	959	19	959	19	101
MT-1	70	419	6187	6.6	11.9474	2.2	1.2395	2.7	0.1074	1.5	0.57	658	9	819	15	1285	43	1285	43	51
MT-1	71	263	171274	3.1	7.9089	0.8	6.4836	1.5	0.3721	1.3	0.85	2039	22	2044	13	2048	14	2048	14	100
MT-1	72	288	26128	8.2	12.1735	0.9	2.4343	1.6	0.2150	1.3	0.84	1256	15	1253	11	1248	17	1248	17	101
MT-1	73	203	75766	1.5	8.4729	0.7	4.9054	1.3	0.3016	1.1	0.85	1699	16	1803	11	1926	12	1926	12	88
MT-1	74	3072	729155	132.5	16.2504	0.6	0.8064	1.2	0.0951	1.0	0.85	586	6	600	5	657	13	586	6	89
MT-1	75	213	212635	0.8	7.7427	0.7	6.7059	1.1	0.3767	0.9	0.79	2061	16	2073	10	2086	12	2086	12	99
MT-1	76	410	76272	2.5	7.7739	0.7	6.8765	1.2	0.3879	0.9	0.82	2113	17	2096	10	2079	12	2079	12	102
MT-1	77	301	4062672	3.2	16.1511	0.9	0.8890	1.2	0.1042	0.9	0.72	639	5	646	6	670	18	639	5	95
MT-1	78	188	15202	1.3	16.9215	1.0	0.7599	1.4	0.0933	1.0	0.69	575	5	574	6	570	22	575	5	101
MT-1	79	132	15170	2.8	15.7728	1.2	1.0547	1.8	0.1207	1.3	0.73	735	9	731	9	721	26	735	9	102
MT-1	80	639	146983	3.5	17.0147	0.9	0.7062	1.6	0.0872	1.3	0.84	539	7	543	7	558	19	539	7	97
MT-1	81	664	1189683	4.4	13.3159	0.7	1.8690	1.1	0.1806	0.9	0.78	1070	9	1070	7	1070	14	1070	14	100
MT-1	82	258	60077	1.6	13.8714	0.8	1.6204	1.3	0.1631	1.0	0.80	974	9	978	8	988	15	988	15	99
MT-1	83	107	50563	1.3	13.6350	1.0	1.7263	1.5	0.1708	1.1	0.75	1016	10	1018	9	1022	19	1022	19	99
MT-1	84	394	73065	1.5	13.9408	0.5	1.6220	1.3	0.1641	1.2	0.92	979	11	979	8	977	11	977	11	100
MT-1	85	230	11012	1.3	17.0570	0.9	0.7682	1.3	0.0951	0.9	0.69	585	5	579	6	552	20	585	5	106
MT-1	86	172	2087077	1.2	4.8660	0.7	15.7266	1.3	0.5553	1.1	0.84	2847	25	2860	12	2870	12	2870	12	99
MT-1	87	151	192913	1.3	17.1846	1.3	0.6283	1.7	0.0783	1.2	0.68	486	5	495	7	536	28	486	5	91
MT-1	88	270	61728	3.4	10.4779	0.8	3.5526	1.2	0.2701	0.9	0.76	1541	12	1539	9	1536	14	1536	14	100
MT-1	89	291	52934	0.7	8.0515	0.6	6.0696	1.1	0.3546	0.9	0.83	1956	15	1986	10	2017	11	2017	11	97
MT-1	90	173	18545	0.9	16.6734	1.2	0.7522	1.4	0.0910	0.8	0.56	561	4	569	6	602	26	561	4	93
MT-1	91	71	14505	2.5	10.1628	0.8	3.1900	1.4	0.2352	1.1	0.80	1362	14	1455	11	1593	15	1593	15	85
MT-1	92	73	9511	1.6	13.7547	0.9	1.7016	1.4	0.1698	1.0	0.71	1011	9	1009	9	1005	19	1005	19	101
MT-1	93	77	29832	1.1	16.1196	1.3	0.8953	1.6	0.1047	0.9	0.58	642	6	649	8	674	27	642	6	95
MT-1	94	465	79498	4.0	7.8835	0.7	6.2093	1.3	0.3552	1.1	0.84	1959	18	2006	11	2054	12	2054	12	95
MT-1	95	273	37531	0.9	16.8926	0.8	0.7487	1.3	0.0918	1.1	0.82	566	6	567	6	573	17	566	6	99
MT-1	96	204	88895	1.6	10.5557	0.7	3.4694	1.2	0.2657	1.0	0.82	1519	14	1520	10	1522	13	1522	13	100
MT-1	97	417	410330	3.7	8.6954	0.7	5.3034	1.1	0.3346	0.9	0.78	1861	14	1869	10	1879	12	1879	12	99
MT-1	98	415	209995	1.4	15.0478	0.8	1.2533	1.4	0.1368	1.1	0.81	827	9	825	8	820	16	827	9	101
MT-1	99	105	8344	1.8	13.9775	0.8	1.6687	1.2	0.1692	0.9	0.78	1008	9	997	8	972	15	972	15	104
MT-1	100	95	301956	1.8	17.0408	1.3	0.6966	1.6	0.0861	0.9	0.58	533	5	537	7	554	29	533	5	96
MT-1	101	233	129975	3.6	13.4869	0.7	1.7910	1.3	0.1753	1.1	0.84	1041	10	1042	8	1045	14	1045	14	100
MT-1	102	382	51469	0.7	8.1103	0.6	5.1749	1.3	0.3045	1.1	0.90	1714	17	1848	11	2004	10	2004	10	86
MT-1	103	124	10743	2.2	15.8499	0.9	0.9866	1.2	0.1135	0.8	0.64	693	5	697	6	710	20	693	5	98
MT-1	104	594	87424	2.2	17.0488	0.8	0.7202	1.3	0.0891	1.0	0.76	550	5	551	5	553	18	550	5	99
MT-1	105	826	94148	1.9	13.5157	0.6	1.7459	1.1	0.1712	1.0	0.86	1019	9	1026	7	1040	12	1040	12	98
MT-1	106	169	69516	1.7	17.4969	1.0	0.6070	1.3	0.0771	0.9	0.69	479	4	482	5	496	22	479	4	96
MT-1	107	90	1190847	0.9	16.6973	1.3	0.7728	1.7	0.0936	1.1	0.62	577	6	581	8	599	29	577	6	96
MT-1	108	425	449586	3.7	16.7376	0.8	0.7850	1.1	0.0953	0.8	0.69	587	4	588	5	593	17	587	4	99
MT-1	109	188	203096	1.8	6.1521	0.8	10.4286	1.2	0.4655	1.0	0.79	2464	20	2474	11	2482	13	2482	13	99
MT-1	110	58	56841	1.0	16.0147	1.5	0.8703	1.7	0.1011	0.9	0.53	621	5	636	8	688	31	621	5	90
MT-1	111	62	17145	1.6	17.9288	1.7	0.6315	2.0	0.0821	1.0	0.53	509	5	497	8	442	37	509	5	115
MT-1	112	358	86076	2.3	16.5804	0.6	0.7892	1.1	0.0949	0.9	0.82	585	5	591	5	614	14	585	5	95
MT-1	113	216	48053	3.1	17.3036	0.8	0.6994	1.2	0.0878	0.9	0.76	543	5	538	5	521	18	543	5	104
MT-1	114	202	210023	1.4	8.6570	0.7	5.3379	1.2	0.3353	1.0	0.81	1864	16	1875	10	1887	13	1887	13	99
MT-1	115	122	18691	1.6	13.8475	1.0	1.6452	1.5	0.1653	1.1	0.73	986	10	988	9	991	21	991	21	99
MT-1	116	93	18981	3.1	14.5010	1.1	1.4241	1.5	0.1498	1.0	0.67	900	8	899	9	897	23	900	8	100
MT-1	117	106	37532	1.6	10.6837	0.8	3.3596	1.2	0.2604	0.9	0.77	1492	12	1495	10	1499	15	1499	15	100
MT-1	118	198	30447	2.1	16.3536	1.0	0.9155	1.4	0.1086	0.9	0.68	665	6	660	7	644	22	665	6	103
MT-1	119	270	121654	3.3	11.8375	0.7	2.5220	1.2	0.2166	1.0	0.82	1264	12	1278	9	1303	14	1303	14	97
MT-1	120	463	41624	2.1	15.5662	0.7	1.0985	1.1	0.1241	0.8	0.75	754	6	753	6	749	15	754	6	101
MT-1	121	133	14184	1.1	15.3086	0.8	1.1481	1.2	0.1275	0.9	0.73	774	6	776	7	784	17	774	6	99
MT-1	122	136	21724	1.1	12.4315	1.6	2.1330	1.9	0.1924	0.9	0.50	1134	10	1160	13	1207	31	1207	31	94
MT-1	123	305	24695	3.3	16.7883	1.4	0.7946	1.7	0.0968	0.9	0.52	596	5	594	7	587	31	596	5	101
MT-1	124	163	90521	1.8	12.1891	0.8	2.3171	1.2	0.2049	0.9	0.78	1202	10	1218	9	1246	15	1246	15	96
MT-1	125	402	58718	7.8	15.4506	0.6	1.1824	1.1	0.1326	0.9	0.83	802	7	792	6	764	13	802	7	105
MT-1	126	84	7536	1.1	17.0174	1.7	0.7418	2.1	0.0916	1.3	0.59	565	7	563	9	557	38	565	7	101
MT-1	127	196	7116	0.8	16.9300	0.9	0.8243	1.3	0.1013	1.0	0.74	622	6	610	6	569	20	622	6	109
MT-1	128	59	5473	1.5	18.0359	1.8	0.6430	2.1	0.0841	1.0	0.49	521	5	504	8	429	41	521	5	121
MT-1	129	197	124508	5.9	7.8101	0.6	6.7466	1.0	0.3823	0.8	0.84	2087	15	2079	9	2070	10	2070	10	101
MT-1	130	51	76105	0.9	7.5993	0.8	6.9071	1.3	0.3809	1.1	0.82	2080	19	2100	12	2119	14	2119	14	98
MT-1	131	214	125197	2.9	4.8697	0.6	14.7344	1.1	0.5206	0.9	0.83	2702	21	2798	11	2869	10	2869	10	94
MT-1	132	123	51778	1.3	16.4546	1.2	0.8424	1.5	0.1006	1.0	0.64	618	6	620	7	630	25	618	6	98
MT-1	133	35	9852	1.3	13.8183	1.4	1.6593	1.8	0.1664	1.2	0.64	992	11	993	11	995	28	995	28	100

MT-1	134	92	57807	0.8	16.4437	1.0	0.8447	1.4	0.1008	1.1	0.74	619	6	622	7	632	21	619	6	98
MT-1	135	15	16721	0.6	9.2458	1.1	4.4705	1.7	0.2999	1.2	0.75	1691	18	1726	14	1768	20	1768	20	96
MT-1	136	268	65798	3.3	12.3475	0.9	2.2504	1.4	0.2016	1.0	0.77	1184	11	1197	10	1220	17	1220	17	97
MT-1	137	275	35768	1.5	17.3433	1.1	0.6201	1.5	0.0780	1.1	0.73	484	5	490	6	516	23	484	5	94
MT-1	138	408	313536	2.5	15.4633	0.7	1.1361	1.1	0.1275	0.9	0.79	773	6	771	6	763	14	773	6	101
MT-1	139	159	12036	1.5	19.9796	1.3	0.2861	1.6	0.0415	1.0	0.62	262	3	255	4	196	29	262	3	NA
MT-1	140	123	55763	2.2	11.6949	0.8	2.6334	1.1	0.2235	0.8	0.74	1300	10	1310	8	1326	15	1326	15	98
MT-1	141	358	213838	1.2	7.2331	0.7	7.8230	1.1	0.4106	0.8	0.77	2218	16	2211	10	2205	12	2205	12	101
MT-1	142	474	65380	3.4	16.0196	0.7	0.9920	1.3	0.1153	1.1	0.85	703	7	700	7	688	15	703	7	102
MT-1	143	463	165570	4.9	16.3860	0.7	0.8780	1.1	0.1044	0.9	0.81	640	5	640	5	639	14	640	5	100
MT-1	144	133	47443	2.3	7.2642	0.7	7.4281	1.2	0.3915	1.0	0.81	2130	17	2164	11	2197	12	2197	12	97
MT-1	145	443	76510	2.0	8.3168	0.6	5.9531	1.2	0.3592	1.0	0.84	1979	17	1969	10	1959	11	1959	11	101
MT-1	146	462	225045	2.6	12.6226	0.6	2.2512	1.1	0.2062	0.9	0.83	1208	10	1197	8	1177	12	1177	12	103
MT-1	147	532	96043	3.6	16.2619	0.8	0.9052	1.4	0.1068	1.1	0.83	654	7	654	7	656	16	654	7	100
MT-1	148	209	14199	0.9	16.6700	0.9	0.8542	1.4	0.1033	1.1	0.77	634	7	627	7	602	20	1035	10	105
MT-1	149	275	215309	3.4	13.6972	0.8	1.7160	1.3	0.1705	1.0	0.79	1015	10	1015	8	1013	16	1013	16	100
MT-1	150	167	33624	2.6	16.5720	1.0	0.8315	1.4	0.1000	1.0	0.70	614	6	614	6	615	21	614	6	100
MT-1	151	61	67433	0.8	5.0532	0.9	14.3725	1.6	0.5270	1.3	0.85	2729	30	2775	15	2808	14	2808	14	97
MT-1	152	1472	262798	10.9	5.9663	0.6	10.3490	1.3	0.4480	1.2	0.89	2386	24	2467	12	2533	10	2533	10	94
MT-1	153	114	49305	2.0	7.4160	0.7	7.0647	1.2	0.3801	1.0	0.84	2077	18	2120	11	2161	12	2161	12	96
MT-1	154	76	24827	1.8	7.8464	0.9	5.4879	1.4	0.3124	1.1	0.79	1753	17	1899	12	2062	16	2062	16	85
MT-1	155	293	427909	2.1	10.3634	0.8	3.5497	1.4	0.2669	1.1	0.79	1525	15	1538	11	1557	15	1557	15	98
MT-1	156	246	2854566	3.0	8.3124	0.6	5.7686	1.3	0.3479	1.2	0.90	1925	19	1942	11	1960	10	1960	10	98
MT-1	157	119	8965	1.8	14.2760	1.5	1.2537	2.0	0.1299	1.3	0.65	787	9	825	11	929	31	787	9	85
MT-1	158	140	18651	1.3	12.7945	1.0	2.0850	1.4	0.1936	1.0	0.70	1141	10	1144	9	1150	20	1150	20	99
MT-1	159	366	67323	2.1	15.9461	0.7	1.0170	1.2	0.1177	1.0	0.81	717	7	712	6	698	15	717	7	103
MT-1	160	192	109412	1.8	7.6124	0.7	6.7563	1.9	0.3732	1.8	0.94	2044	32	2080	17	2116	11	2116	11	97
MT-1	161	176	14440	3.0	16.9623	1.1	0.7448	1.5	0.0917	1.1	0.72	565	6	565	7	564	23	565	6	100
MT-1	162	119	33269	4.1	11.5567	0.9	2.7291	1.4	0.2288	1.1	0.76	1328	13	1336	10	1349	18	1349	18	98
MT-1	163	643	58655	2.2	13.9860	0.5	1.6421	1.1	0.1666	0.9	0.88	994	9	987	7	971	10	971	10	102
MT-1	164	112	58990	3.0	13.5942	0.9	1.7083	1.3	0.1685	0.9	0.68	1004	8	1012	8	1029	19	1029	19	98
MT-1	165	196	228228	1.3	11.4415	0.6	2.8111	1.1	0.2334	1.0	0.87	1352	12	1358	9	1368	11	1368	11	99
MT-1	167	50	8866	6.4	13.6322	1.3	1.6974	1.6	0.1679	1.0	0.61	1000	9	1008	10	1023	26	1023	26	98
MT-1	168	118	30072	1.3	13.5859	1.0	1.7373	1.5	0.1713	1.1	0.75	1019	11	1022	10	1030	20	1030	20	99
MT-1	169	155	15828	0.7	17.7910	1.3	0.6174	1.6	0.0797	0.9	0.56	494	4	488	6	460	30	494	4	108
MT-1	170	129	16130	1.0	17.1777	1.3	0.7338	2.0	0.0915	1.4	0.74	564	8	559	8	537	29	564	8	105
MT-1	171	269	18255	1.7	13.9673	0.7	1.6698	1.2	0.1692	1.0	0.81	1008	9	997	8	974	14	974	14	104
MT-1	172	182	60451	1.2	7.7955	0.7	6.6642	1.1	0.3769	0.9	0.79	2062	16	2068	10	2074	12	2074	12	99
MT-1	173	86	59901	1.0	16.1908	1.0	0.8584	1.6	0.1008	1.2	0.77	619	7	629	8	665	22	619	7	93
MT-1	174	40	337430	0.8	9.8861	1.1	3.8413	1.7	0.2755	1.3	0.76	1569	18	1601	14	1645	20	1645	20	95
MT-1	175	177	8091	1.9	15.5090	2.6	0.7091	2.8	0.0798	1.0	0.37	495	5	544	12	756	54	495	5	65
MT-1	176	288	223828	3.4	8.0114	0.8	6.1235	1.4	0.3560	1.2	0.84	1963	20	1994	12	2025	14	2025	14	97
MT-1	177	55	25348	2.8	11.5634	1.2	2.7383	1.8	0.2297	1.4	0.74	1333	16	1339	14	1348	24	1348	24	99
MT-1	178	411	64039	1.4	16.3901	0.9	0.8930	1.3	0.1062	1.0	0.76	651	6	648	6	639	18	651	6	102
MT-1	179	347	79995	4.0	13.5309	0.6	1.7948	1.2	0.1762	1.0	0.86	1046	10	1044	8	1038	12	1038	12	101
MT-1	180	159	73129	2.8	9.2313	0.8	3.8456	1.4	0.2576	1.2	0.82	1477	16	1602	12	1771	15	1771	15	83
MT-1	181	112	27916	2.3	14.9336	1.3	1.2586	1.9	0.1364	1.4	0.75	824	11	827	11	836	26	824	11	99
MT-1	182	507	63918	1.4	7.8893	0.6	6.1106	1.2	0.3498	1.1	0.88	1934	18	1992	11	2053	10	2053	10	94
MT-1	183	746	57502	1.9	13.3289	1.0	1.7665	1.7	0.1708	1.4	0.82	1017	13	1033	11	1068	19	1068	19	95
MT-1	184	49	17401	1.1	9.3036	0.9	4.5758	1.6	0.3089	1.3	0.80	1735	19	1745	13	1756	17	1756	17	99
MT-1	185	109	226009	1.2	7.7830	0.8	6.5234	1.3	0.3684	1.0	0.80	2022	18	2049	11	2077	14	2077	14	97
MT-1	186	273	46020	4.6	16.5068	0.9	0.8152	1.5	0.0976	1.2	0.80	601	7	605	7	623	19	601	7	96
MT-1	187	197	8665	2.0	17.5730	1.0	0.6397	1.5	0.0816	1.2	0.77	505	6	502	6	487	21	505	6	104
MT-1	188	60	28247	0.6	8.6222	0.8	5.0679	1.5	0.3171	1.3	0.85	1775	20	1831	13	1894	14	1894	14	94
MT-1	189	83	21594	1.4	16.3582	1.3	0.8589	1.8	0.1019	1.2	0.68	626	7	630	8	643	28	626	7	97
MT-1	190	291	56458	1.6	9.2917	0.5	4.6248	1.2	0.3118	1.0	0.89	1750	16	1754	10	1759	10	1759	10	99
MT-1	191	275	20387	1.1	17.2717	0.8	0.7163	1.2	0.0898	0.8	0.70	554	4	548	5	525	18	1033	10	106
MT-1	192	759	101537	11.7	16.5266	0.9	0.8432	1.6	0.1011	1.3	0.81	621	8	621	7	621	20	621	8	100
MT-1	193	315	17447	2.4	16.3295	1.1	0.8655	1.9	0.1025	1.6	0.83	629	10	633	9	647	23	629	10	97
MT-1	194	397	45356	5.7	16.0918	0.7	0.9828	1.5	0.1148	1.4	0.89	700	9	695	8	678	15	700	9	103
MT-1	195	109	19514	1.2	14.0025	1.2	1.5012	1.8	0.1525	1.4	0.75	915	12	931	11	968	25	968	25	94
MT-1	196	185	54426	1.6	13.5662	0.8	1.7079	1.5	0.1681	1.2	0.83	1002	12	1012	10	1033	17	1033	17	97
MT-1	197	418	101698	3.6	16.7455	0.9	0.7577	1.3	0.0921	1.0	0.75	568	5	573	6	592	19	568	5	96
MT-1	198	234	6497	2.9	18.1696	1.4	0.5750	1.6	0.0758	0.9	0.55	471	4	461	6	413	31	471	4	114
MT-1	199	104	10414	2.5	17.0722	1.1	0.6633	1.6	0.0822	1.2	0.72	509	6	517	7	550	24	509	6	92
MT-1	200	90	32481	1.6	16.4826	1.5	0.7779	2.0	0.0930	1.3	0.66	573	7	584	9	627	32	573	7	92
MT-1	201	315	181996	1.6	7.7475	0.7	6.6352	1.5	0.3730	1.3	0.89	2043	23	2064	13	2085	12	2085	12	98

MT-1	203	138	63873	2.9	12.4147	0.8	2.2465	1.3	0.2024	1.0	0.80	1188	11	1196	9	1210	15	1210	15	98
MT-1	204	212	166236	1.1	5.0323	0.8	13.0300	1.4	0.4758	1.2	0.82	2509	24	2682	13	2815	13	2815	13	89
MT-1	205	367	117195	1.4	13.9075	0.7	1.5850	1.2	0.1599	0.9	0.79	956	8	964	7	982	15	982	15	97
MT-1	206	202	57693	0.9	8.7329	0.7	5.3460	1.2	0.3387	1.0	0.82	1881	16	1876	10	1871	12	1871	12	100
MT-1	207	46	9197	1.5	13.7056	1.1	1.7083	1.6	0.1699	1.1	0.70	1011	11	1012	10	1012	23	1012	23	100
MT-1	208	145	137518	1.6	7.8499	0.7	6.4773	1.6	0.3689	1.4	0.91	2024	25	2043	14	2061	12	2061	12	98
MT-1	209	131	34117	2.1	15.5050	0.9	1.0708	1.5	0.1205	1.2	0.79	733	8	739	8	757	19	733	8	97
MT-1	210	387	67418	10.8	8.3200	0.5	5.7006	1.0	0.3441	0.8	0.82	1907	13	1931	8	1958	10	1958	10	97
MT-1	211	189	67420	3.2	14.0001	0.8	1.5736	1.4	0.1598	1.1	0.82	956	10	960	8	969	16	969	16	99
MT-1	212	116	25368	1.2	8.1012	0.9	5.7306	1.6	0.3369	1.3	0.84	1872	22	1936	14	2006	16	2006	16	93
MT-1	213	131	16310	1.0	14.3867	1.0	1.4831	1.6	0.1548	1.2	0.77	928	11	923	10	913	21	913	21	102
MT-1	214	639	73010	2.6	9.2399	0.5	4.5037	1.4	0.3019	1.3	0.94	1701	20	1732	12	1769	8	1769	8	96
MT-1	215	303	21759	4.6	15.2439	0.9	1.1217	1.4	0.1241	1.1	0.76	754	8	764	8	793	19	754	8	95
MT-1	216	166	76446	3.1	11.0156	0.8	3.0640	1.5	0.2449	1.2	0.82	1412	16	1424	11	1441	16	1441	16	98
MT-1	217	235	264235	2.3	15.7963	0.7	1.0459	1.2	0.1199	1.0	0.80	730	7	727	6	718	16	730	7	102
MT-1	218	155	27031	1.5	15.1723	0.9	1.1499	1.6	0.1266	1.3	0.83	768	10	777	9	803	19	768	10	96
MT-1	219	82	15404	0.8	8.8367	0.8	5.0027	1.3	0.3208	1.0	0.76	1793	15	1820	11	1850	15	1850	15	97
MT-1	220	153	16685	2.2	16.2286	1.9	0.8027	2.3	0.0945	1.4	0.59	582	8	598	10	660	40	582	8	88
MT-1	221	98	52952	1.7	10.7673	0.7	3.2101	1.4	0.2508	1.2	0.86	1443	16	1460	11	1484	14	1484	14	97
MT-1	222	125	42849	2.8	8.2047	0.6	5.7265	1.1	0.3409	0.9	0.80	1891	14	1935	9	1983	12	1983	12	95
MT-1	223	599	712034	4.1	13.8944	0.7	1.6469	1.1	0.1660	0.8	0.75	990	8	988	7	984	15	984	15	101
MT-1	224	382	59529	1.4	15.6722	0.8	0.9691	1.3	0.1102	1.0	0.80	674	7	688	6	734	17	674	7	92
MT-1	225	492	409119	1.5	10.6197	0.6	3.4119	1.3	0.2629	1.2	0.89	1505	16	1507	11	1511	11	1511	11	100
MT-1	226	106	76711	0.7	8.2474	0.7	5.7119	1.3	0.3418	1.1	0.84	1895	18	1933	11	1974	13	1974	13	96
MT-1	227	232	53779	2.3	16.7751	0.8	0.7488	1.3	0.0911	1.0	0.80	562	6	568	6	589	17	562	6	96
MT-1	228	137	63494	0.9	8.2806	0.8	5.5347	1.3	0.3325	1.0	0.80	1851	17	1906	11	1967	14	1967	14	94
MT-1	229	192	60200	1.6	8.0059	0.7	6.3130	1.2	0.3667	1.0	0.82	2014	17	2020	11	2027	12	2027	12	99
MT-1	230	171	96093	0.9	8.0165	0.8	6.0568	1.3	0.3523	1.1	0.81	1946	18	1984	12	2024	14	2024	14	96
MT-1	231	230	35363	1.7	9.6008	0.8	4.1440	1.5	0.2887	1.2	0.85	1635	18	1663	12	1699	14	1699	14	96
MT-1	232	191	114125	1.1	8.2245	0.6	5.9351	1.1	0.3542	0.9	0.80	1955	14	1966	9	1979	11	1979	11	99
MT-1	233	189	36455	1.0	15.7272	0.7	1.0584	1.6	0.1208	1.5	0.90	735	10	733	8	727	15	735	10	101
MT-1	234	487	47745	2.1	10.3289	1.0	3.3349	1.7	0.2499	1.4	0.82	1438	18	1489	13	1563	18	1563	18	92
MT-1	235	136	63846	1.2	16.6777	1.2	0.7380	1.9	0.0893	1.4	0.75	551	7	561	8	601	26	551	7	92
MT-1	236	377	71167	5.9	15.4516	0.7	1.1483	1.2	0.1287	1.0	0.82	781	7	776	7	764	15	781	7	102
MT-1	237	27	1139	0.1	20.6902	2.9	0.5815	3.2	0.0873	1.5	0.46	540	8	465	12	114	68	540	8	471
MT-1	238	170	21010	1.0	16.8887	1.3	0.8243	1.8	0.1010	1.3	0.70	620	8	610	8	574	28	620	8	108
MT-1	239	233	24677	2.8	13.3984	0.8	1.7380	1.2	0.1690	1.0	0.78	1006	9	1023	8	1058	16	1058	16	95
MT-1	240	188	29737	1.5	13.6234	0.8	1.7055	1.7	0.1686	1.5	0.90	1004	14	1011	11	1024	16	1024	16	98
MT-1	241	320	17540	1.9	16.9173	1.1	0.7563	1.5	0.0928	1.0	0.69	572	5	572	6	570	23	572	5	100
MT-1	242	128	14711	0.9	13.6733	1.2	1.5828	1.7	0.1570	1.2	0.69	940	10	963	11	1017	25	1017	25	92
MT-1	243	76	11616	0.8	17.5053	1.7	0.7618	2.2	0.0968	1.4	0.65	595	8	575	10	495	36	595	8	120
MT-1	244	74	1404882	2.1	9.5444	1.1	3.7542	1.6	0.2600	1.1	0.72	1490	15	1583	13	1710	20	1710	20	87
MT-1	245	158	77236	1.6	10.2143	1.1	3.5787	2.0	0.2652	1.6	0.83	1517	22	1545	16	1584	21	1584	21	96
MT-1	246	20	5325	5.2	12.4750	2.1	2.1369	2.8	0.1934	1.9	0.66	1140	19	1161	20	1200	42	1200	42	95
MT-1	248	615	48405	1.7	15.5451	0.9	0.9323	1.7	0.1052	1.4	0.85	645	9	669	8	752	19	645	9	86
MT-1	249	392	107661	1.7	7.9144	1.0	5.5838	1.9	0.3207	1.6	0.86	1793	26	1914	16	2047	17	2047	17	88
MT-1	250	184	29373	1.1	7.6509	1.1	6.6950	1.6	0.3717	1.1	0.72	2037	20	2072	14	2107	19	2107	19	97
MT-1	251	214	70764	1.4	17.3592	1.1	0.6748	2.2	0.0850	1.9	0.86	526	10	524	9	514	25	526	10	102
MT-1	252	157	14293	2.0	17.0865	1.4	0.7077	1.7	0.0877	1.1	0.62	542	6	543	7	549	30	542	6	99
MT-1	253	130	806580	0.6	7.6892	1.0	6.7304	1.6	0.3755	1.2	0.77	2055	21	2077	14	2098	18	2098	18	98
MT-1	254	78	110320	2.7	14.9196	2.4	1.0478	2.9	0.1134	1.6	0.54	693	10	728	15	838	50	693	10	83
MT-1	255	45	14760	0.5	4.8758	0.9	15.8273	1.8	0.5599	1.5	0.86	2866	35	2866	17	2866	15	2866	15	100
MT-1	256	225	406430	1.0	11.2531	0.6	2.8948	1.3	0.2364	1.1	0.88	1368	14	1381	10	1400	12	1400	12	98
MT-1	257	374	69266	2.3	14.3546	1.0	1.4129	1.8	0.1472	1.5	0.83	885	12	894	10	918	20	918	20	96
MT-1	258	177	187217	2.1	11.4730	1.3	2.8037	2.1	0.2334	1.6	0.77	1352	19	1357	15	1363	25	1363	25	99
MT-1	259	194	14752	2.9	13.7149	1.1	1.6820	1.6	0.1674	1.3	0.76	998	12	1002	10	1011	22	1011	22	99
MT-1	260	291	93450	3.0	14.1234	0.9	1.3810	1.7	0.1415	1.4	0.84	853	11	881	10	951	19	951	19	90
MT-1	261	134	111204	1.5	16.1245	1.4	0.8789	1.9	0.1028	1.3	0.68	631	8	640	9	674	30	631	8	94
MT-1	262	187	1276940	1.2	12.9580	1.0	1.9396	1.4	0.1824	1.1	0.74	1080	11	1095	10	1125	19	1125	19	96
MT-1	263	365	54886	1.8	13.6214	0.9	1.6686	1.4	0.1649	1.1	0.77	984	10	997	9	1025	18	1025	18	96
MT-1	264	775	384733	2.1	7.1681	0.7	7.3027	1.4	0.3798	1.1	0.84	2075	20	2149	12	2220	13	2220	13	93
MT-1	265	532	1379439	2.7	14.2299	0.9	1.4860	1.7	0.1534	1.5	0.85	920	13	925	10	935	19	935	19	98
MT-1	266	121	73187	3.2	13.5310	0.9	1.7435	1.2	0.1712	0.8	0.66	1019	7	1025	8	1038	18	1038	18	98
MT-1	267	412	183639	1.8	10.4792	0.7	3.3789	1.2	0.2569	1.0	0.80	1474	13	1500	10	1536	14	1536	14	96
MT-1	268	284	60769	9.5	8.0602	0.9	6.3764	1.5	0.3729	1.2	0.80	2043	22	2029	13	2015	16	2015	16	101
MT-1	269	328	259763	1.5	8.3134	0.7	5.8892	1.2	0.3552	1.0	0.83	1960	17	1960	11	1960	12	1960	12	100
MT-1	270	193	19464	3.7	13.6553	0.8	1.7611	1.4	0.1745	1.2	0.84	1037	11	1031	9	1019	16	1019	16	102

MT-1	271	250	149512	2.7	13.2684	0.8	1.8009	1.4	0.1734	1.2	0.82	1031	11	1046	9	1077	16	1077	16	96
MT-1	272	336	130052	2.7	14.4624	1.3	1.3588	1.8	0.1426	1.3	0.71	859	10	871	11	902	26	859	10	95
MT-1	273	136	16620	2.9	16.5986	0.9	0.8399	1.2	0.1012	0.8	0.68	621	5	619	6	611	19	621	5	102
MT-1	274	745	454277	5.6	12.4649	0.8	2.2421	1.3	0.2028	1.0	0.78	1190	11	1194	9	1202	16	1202	16	99
MT-1	275	285	183799	0.8	7.7888	0.9	6.7484	1.3	0.3814	0.9	0.70	2083	16	2079	12	2075	17	2075	17	100
MT-1	276	123	7929	2.4	16.6851	1.3	0.8445	1.7	0.1022	1.1	0.64	627	6	622	8	600	28	627	6	105
MT-1	277	277	60372	2.6	13.6696	0.8	1.6197	1.3	0.1606	1.0	0.79	960	9	978	8	1017	16	1017	16	94
MT-1	278	71	13935	3.5	16.6380	1.3	0.8485	1.7	0.1024	1.0	0.60	629	6	624	8	606	29	629	6	104
MT-1	279	76	230287	0.8	13.9541	0.8	1.5804	1.5	0.1600	1.2	0.84	957	11	963	9	975	16	975	16	98
MT-1	280	31	26008	0.7	15.8100	1.9	0.8723	2.1	0.1001	0.9	0.43	615	5	637	10	716	40	615	5	86
MT-1	281	60	15397	0.8	9.2351	0.9	4.5822	1.5	0.3070	1.2	0.80	1726	19	1746	13	1770	17	1770	17	98
MT-1	282	122	74703	1.1	17.1157	1.2	0.6564	1.6	0.0815	1.0	0.63	505	5	512	6	545	26	505	5	93
MT-1	283	270	76692	1.9	12.1727	0.7	2.3268	1.4	0.2055	1.2	0.87	1205	13	1221	10	1248	14	1248	14	97
MT-1	284	845	226133	1.7	9.2868	0.8	4.5169	1.4	0.3044	1.1	0.79	1713	16	1734	11	1760	15	1760	15	97
MT-1	285	86	3249	1.3	17.5055	1.7	0.6739	2.0	0.0856	1.0	0.50	529	5	523	8	495	38	529	5	107
MT-1	286	305	12561	0.7	16.3955	1.1	0.8737	1.7	0.1039	1.3	0.77	637	8	638	8	638	23	637	8	100
MT-1	287	382	147518	2.4	12.3122	0.8	2.3712	1.7	0.2118	1.5	0.89	1239	17	1234	12	1226	15	1226	15	101
MT-1	289	145	68874	1.5	14.9507	1.1	0.9327	1.2	0.1012	0.7	0.54	621	4	669	6	833	22	621	4	75
MT-1	290	111	17306	3.5	12.7275	0.8	2.1282	1.3	0.1965	1.0	0.76	1157	10	1158	9	1160	17	1160	17	100
MT-1	291	470	60496	1.6	16.1676	1.0	0.8886	1.3	0.1042	0.9	0.68	639	5	646	6	668	21	639	5	96
MT-1	292	276	12787	1.7	12.7217	1.3	1.7551	1.7	0.1620	1.0	0.59	968	9	1029	11	1161	27	1161	27	83
MT-1	293	265	63599	0.8	16.4887	0.7	0.8491	1.2	0.1016	1.0	0.82	624	6	624	6	626	15	624	6	100
MT-1	294	264	134332	2.9	17.6917	0.8	0.5805	1.2	0.0745	0.9	0.76	463	4	465	4	472	17	463	4	98
MT-1	295	521	52727	1.9	15.6716	0.9	1.0487	1.4	0.1192	1.0	0.76	726	7	728	7	734	19	726	7	99
MT-1	296	185	24687	1.2	17.0098	1.0	0.6627	1.4	0.0818	1.0	0.72	507	5	516	6	558	22	507	5	91
MT-1	297	109	18054	1.1	13.5593	0.9	1.6848	1.4	0.1658	1.0	0.74	989	9	1003	9	1034	19	1034	19	96
MT-1	298	49	19388	0.7	16.1883	2.1	0.7399	2.4	0.0869	1.2	0.48	537	6	562	10	665	45	537	6	81
MT-1	299	316	414098	2.0	13.8925	0.8	1.6195	1.2	0.1632	0.9	0.73	975	8	978	8	985	17	985	17	99
MT-1	300	631	46906	6.1	16.6313	0.6	0.8259	1.2	0.0997	1.0	0.87	612	6	611	5	607	13	612	6	101
MT-1	301	102	53399	5.0	13.7606	1.0	1.6169	1.4	0.1614	1.0	0.74	965	9	977	9	1004	19	1004	19	96
MT-1	302	292	93147	1.4	6.6001	0.8	8.7873	1.3	0.4208	1.0	0.79	2264	19	2316	12	2362	14	2362	14	96

MT-2	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
MT-2	1	92	71454	2.6	12.4609	0.9	2.1317	1.1	0.1927	0.7	0.64	1136	7	1159	8	1202	17	1202	17	95
MT-2	2	438	2379223	2.3	12.8512	0.6	2.0176	1.0	0.1881	0.8	0.82	1111	9	1121	7	1141	12	1141	12	97
MT-2	3	139	276938	2.7	10.4665	0.7	3.5236	1.0	0.2676	0.7	0.70	1529	10	1533	8	1538	14	1538	14	99
MT-2	4	79	316535	2.9	12.1516	1.0	2.3827	1.3	0.2101	0.9	0.68	1229	10	1237	9	1252	19	1252	19	98
MT-2	5	126	242148	1.2	8.2003	0.7	6.0734	1.2	0.3614	1.0	0.81	1989	16	1986	10	1984	13	1984	13	100
MT-2	6	14	18142	0.9	13.7349	1.8	1.6242	2.2	0.1619	1.2	0.55	967	11	980	14	1008	37	1008	37	96
MT-2	7	229	1187078	2.0	12.3802	0.7	2.2627	1.2	0.2033	0.9	0.79	1193	10	1201	8	1215	14	1215	14	98
MT-2	8	59	477024	2.1	11.2647	0.8	2.8597	1.4	0.2337	1.1	0.79	1354	13	1371	10	1398	16	1398	16	97
MT-2	9	53	68737	1.9	10.3670	0.7	3.5199	1.0	0.2648	0.8	0.75	1514	10	1532	8	1556	13	1556	13	97
MT-2	10	244	193464	2.9	12.2624	0.7	2.4197	1.2	0.2153	0.9	0.81	1257	11	1248	8	1234	13	1234	13	102
MT-2	11	486	344178	2.6	10.4734	0.5	3.4516	1.1	0.2623	0.9	0.87	1502	12	1516	8	1537	10	1537	10	98
MT-2	12	256	246740	2.6	12.4943	0.7	2.2531	1.0	0.2043	0.7	0.75	1198	8	1198	7	1197	13	1197	13	100
MT-2	13	459	482113	2.1	10.4540	0.6	3.4548	1.1	0.2621	0.9	0.82	1500	12	1517	8	1540	11	1540	11	97
MT-2	14	318	419892	4.0	8.4344	0.7	5.5923	1.0	0.3422	0.7	0.75	1897	12	1915	9	1934	12	1934	12	98
MT-2	15	416	2095911	1.5	7.8505	0.5	6.7028	1.0	0.3818	0.8	0.86	2085	15	2073	8	2061	9	2061	9	101
MT-2	16	112	55163	1.0	11.5170	0.8	2.7289	1.3	0.2280	1.0	0.77	1324	12	1336	10	1356	16	1356	16	98
MT-2	17	130	272805	1.5	7.5318	0.7	6.9521	1.1	0.3799	0.9	0.79	2076	15	2105	10	2134	12	2134	12	97
MT-2	18	208	397584	1.4	8.1989	0.5	5.9880	1.0	0.3562	0.9	0.88	1964	15	1974	9	1984	8	1984	8	99
MT-2	19	148	286119	2.3	11.4359	0.6	2.7548	1.1	0.2286	0.8	0.79	1327	10	1343	8	1369	12	1369	12	97
MT-2	20	74	692498	0.9	9.0652	0.6	4.8285	1.0	0.3176	0.8	0.77	1778	12	1790	8	1804	12	1804	12	99
MT-2	21	460	231140	8.4	11.4828	0.6	2.7919	1.1	0.2326	1.0	0.87	1348	12	1353	8	1362	11	1362	11	99
MT-2	22	181	279872	2.1	11.9327	0.7	2.6142	1.1	0.2263	0.8	0.77	1315	10	1305	8	1287	13	1287	13	102
MT-2	23	270	205175	0.7	13.7755	0.7	1.7086	1.1	0.1708	0.9	0.78	1016	8	1012	7	1002	14	1002	14	101
MT-2	24	48	391068	1.4	11.8566	1.3	2.1630	1.7	0.1861	1.1	0.65	1100	11	1169	12	1300	25	1300	25	85
MT-2	25	340	1745196	1.5	12.6010	0.6	2.2477	1.0	0.2055	0.8	0.80	1205	9	1196	7	1180	12	1180	12	102
MT-2	26	130	301936	0.8	11.4945	0.6	2.7357	1.0	0.2282	0.8	0.82	1325	9	1338	7	1360	11	1360	11	97
MT-2	27	151	292982	1.1	8.2276	0.5	5.9331	1.0	0.3542	0.9	0.86	1955	15	1966	9	1978	9	1978	9	99
MT-2	28	202	309566	1.5	8.2085	0.6	5.9209	1.0	0.3526	0.8	0.81	1947	13	1964	8	1982	10	1982	10	98
MT-2	29	298	260739	1.6	16.2425	0.6	0.9205	0.9	0.1085	0.7	0.77	664	4	663	4	658	13	664	4	101
MT-2	30	109	234260	1.7	12.1764	0.6	2.3164	1.0	0.2047	0.8	0.82	1200	9	1217	7	1248	11	1248	11	96
MT-2	31	414	253200	1.5	13.5200	0.7	1.7780	1.0	0.1744	0.8	0.73	1036	7	1037	7	1040	14	1040	14	100
MT-2	32	95	46861	2.1	12.3083	0.9	2.3486	1.4	0.2098	1.0	0.77	1227	12	1227	10	1227	17	1227	17	100
MT-2	33	241	339259	0.9	8.3308	0.4	6.0021	0.8	0.3628	0.7	0.87	1995	13	1976	7	1956	7	1956	7	102

MT-2	34	1143	445313	3.3	12.5026	0.6	2.3078	1.1	0.2094	1.0	0.87	1225	11	1215	8	1196	11	1196	11	102
MT-2	35	373	289576	1.7	12.6914	0.7	2.0755	1.0	0.1911	0.8	0.76	1127	8	1141	7	1166	13	1166	13	97
MT-2	36	359	2271649	1.3	8.2781	0.6	6.0551	1.1	0.3637	0.9	0.82	2000	15	1984	9	1967	11	1967	11	102
MT-2	37	323	398834	1.4	10.5988	0.5	3.4538	1.0	0.2656	0.8	0.86	1518	11	1517	8	1514	9	1514	9	100
MT-2	38	96	1786736	1.4	11.6282	0.7	2.7451	1.0	0.2316	0.8	0.74	1343	9	1341	8	1337	13	1337	13	100
MT-2	39	338	348892	1.1	11.4433	0.5	2.7021	1.0	0.2244	0.9	0.86	1305	11	1329	8	1368	10	1368	10	95
MT-2	40	646	321708	1.6	10.8722	0.5	3.1121	1.1	0.2455	1.0	0.88	1415	13	1436	9	1466	10	1466	10	97
MT-2	41	354	323554	1.5	8.6884	0.5	5.3339	1.0	0.3363	0.9	0.88	1869	14	1874	9	1881	9	1881	9	99
MT-2	42	336	1644793	1.2	10.2352	0.6	3.6570	1.1	0.2716	0.9	0.83	1549	12	1562	9	1580	11	1580	11	98
MT-2	43	276	330832	1.8	12.7213	0.8	2.1206	1.3	0.1957	1.0	0.79	1152	11	1156	9	1161	16	1161	16	99
MT-2	44	102	161368	5.4	10.6557	0.8	3.3684	1.3	0.2604	1.1	0.80	1492	14	1497	11	1504	15	1504	15	99
MT-2	45	154	179539	2.5	12.9808	0.6	2.1163	1.1	0.1993	0.8	0.79	1172	9	1154	7	1121	13	1121	13	104
MT-2	46	181	295402	2.0	8.2732	0.6	5.9271	1.0	0.3558	0.8	0.81	1962	13	1965	8	1968	10	1968	10	100
MT-2	47	677	646646	2.2	9.3901	0.5	4.6431	0.9	0.3163	0.7	0.84	1772	12	1757	7	1739	9	1739	9	102
MT-2	48	240	1136636	2.3	12.5976	0.7	2.1927	1.1	0.2004	0.9	0.80	1178	10	1179	8	1181	13	1181	13	100
MT-2	49	101	211366	2.4	11.4654	0.9	2.7848	1.2	0.2317	0.8	0.66	1343	9	1351	9	1364	17	1364	17	98
MT-2	50	93	625411	2.5	7.5259	0.7	7.1496	1.2	0.3904	0.9	0.79	2125	17	2130	11	2136	13	2136	13	99
MT-2	51	129	1421859	3.6	10.7366	0.7	3.3655	1.2	0.2622	1.0	0.80	1501	13	1496	9	1490	13	1490	13	101
MT-2	52	255	550353	1.7	10.6884	0.6	3.3670	1.1	0.2611	0.9	0.83	1496	12	1497	9	1498	12	1498	12	100
MT-2	53	85	199624	0.9	8.7996	0.8	5.3896	1.2	0.3441	1.0	0.78	1906	16	1883	11	1858	14	1858	14	103
MT-2	54	373	1114303	3.9	12.1720	0.6	2.4168	1.0	0.2134	0.8	0.81	1247	9	1248	7	1248	11	1248	11	100
MT-2	55	243	279164	2.4	7.9674	0.5	6.4805	0.8	0.3746	0.6	0.74	2051	10	2043	7	2035	9	2035	9	101
MT-2	56	92	18058493	0.7	8.7370	0.8	5.0740	1.6	0.3217	1.3	0.85	1798	21	1832	13	1871	15	1871	15	96
MT-2	57	373	241281	4.3	13.5722	0.6	1.7892	1.1	0.1762	0.9	0.84	1046	9	1042	7	1032	12	1032	12	101
MT-2	58	621	294294	2.0	11.5294	0.6	2.7792	1.4	0.2325	1.3	0.92	1348	15	1350	10	1354	11	1354	11	100
MT-2	59	418	510114	1.9	10.0091	0.6	3.9612	1.0	0.2877	0.8	0.81	1630	12	1626	8	1622	11	1622	11	101
MT-2	60	132	2517723	0.9	4.9694	0.5	15.3093	1.1	0.5520	0.9	0.86	2834	21	2835	10	2835	9	2835	9	100
MT-2	61	135	262882	0.9	7.6139	0.7	6.9273	1.1	0.3827	0.9	0.79	2089	16	2102	10	2115	12	2115	12	99
MT-2	62	250	903608	1.1	11.6591	0.6	2.7075	1.1	0.2290	0.9	0.82	1330	10	1331	8	1332	12	1332	12	100
MT-2	63	230	2094000	1.4	11.8458	0.6	2.6963	1.0	0.2317	0.8	0.79	1344	10	1327	7	1301	12	1301	12	103
MT-2	64	706	218705	2.4	11.3833	0.6	2.5556	1.1	0.2111	0.9	0.85	1235	10	1288	8	1378	11	1378	11	90
MT-2	65	879	3530480	2.7	12.7973	0.6	2.0464	1.3	0.1900	1.1	0.87	1121	11	1131	9	1150	12	1150	12	98
MT-2	66	642	548835	1.8	12.0811	0.6	2.4559	1.1	0.2153	1.0	0.86	1257	11	1259	8	1263	11	1263	11	100
MT-2	67	437	1188290	1.9	11.7304	0.5	2.7306	0.9	0.2324	0.7	0.81	1347	9	1337	7	1320	11	1320	11	102
MT-2	68	218	576063	2.0	5.6094	0.6	12.6055	1.0	0.5131	0.9	0.84	2670	19	2651	10	2636	9	2636	9	101
MT-2	69	175	1382500	1.6	7.6863	0.5	7.0861	1.0	0.3952	0.8	0.86	2147	15	2122	9	2099	9	2099	9	102
MT-2	70	173	797197	1.9	9.3562	0.7	4.5388	1.2	0.3081	1.0	0.80	1731	15	1738	10	1746	13	1746	13	99
MT-2	71	92	367844	2.1	11.6859	0.7	2.6770	1.2	0.2270	1.0	0.81	1319	12	1322	9	1328	14	1328	14	99
MT-2	72	280	211771	4.4	10.0843	0.5	3.9185	0.9	0.2867	0.8	0.83	1625	11	1618	8	1608	10	1608	10	101
MT-2	73	226	16435426	4.8	11.1778	0.7	3.1536	1.3	0.2558	1.1	0.83	1468	14	1446	10	1413	13	1413	13	104
MT-2	74	230	694876	1.3	8.1842	0.6	6.1123	1.1	0.3630	0.9	0.83	1996	15	1992	9	1988	10	1988	10	100
MT-2	75	59	7668775	1.9	10.4056	0.7	3.5036	1.2	0.2645	1.0	0.82	1513	13	1528	9	1549	13	1549	13	98
MT-2	76	202	103059	1.5	11.8247	0.7	2.6573	1.0	0.2280	0.8	0.74	1324	9	1317	8	1305	13	1305	13	101
MT-2	77	58	51646	2.5	7.4955	0.5	7.0871	1.0	0.3854	0.9	0.85	2102	15	2122	9	2143	9	2143	9	98
MT-2	78	1386	460253	3.1	13.5391	0.4	1.7671	0.9	0.1736	0.8	0.87	1032	7	1033	6	1037	9	1037	9	100
MT-2	79	346	736489	2.2	11.7518	0.6	2.6970	1.0	0.2300	0.8	0.78	1334	10	1328	8	1317	12	1317	12	101
MT-2	80	63	54995	23.5	13.9310	1.2	1.5911	1.6	0.1608	1.1	0.69	961	10	967	10	979	24	979	24	98
MT-2	81	111	71193	0.7	13.5647	0.8	1.8368	1.1	0.1808	0.8	0.70	1071	8	1059	7	1033	16	1033	16	104
MT-2	82	105	61973	1.4	11.7485	0.7	2.6583	1.2	0.2266	1.0	0.81	1317	12	1317	9	1317	14	1317	14	100
MT-2	83	406	3424608	3.1	12.7510	0.6	2.2185	1.1	0.2053	1.0	0.86	1203	11	1187	8	1157	11	1157	11	104
MT-2	84	83	3976751	1.6	13.6015	1.1	1.8221	1.4	0.1798	0.9	0.61	1066	9	1053	9	1027	23	1027	23	104
MT-2	85	303	16495019	3.6	12.3690	0.5	2.4022	0.9	0.2156	0.8	0.83	1259	9	1243	7	1217	10	1217	10	103
MT-2	86	162	323328	2.0	9.4048	0.6	4.5318	1.1	0.3092	0.9	0.81	1737	13	1737	9	1737	12	1737	12	100
MT-2	87	93	61916	1.7	13.9081	0.9	1.7047	1.2	0.1720	0.8	0.69	1023	8	1010	8	982	18	982	18	104
MT-2	88	76	243935	0.8	8.2981	0.8	5.7981	1.2	0.3491	0.9	0.77	1930	16	1946	11	1963	14	1963	14	98
MT-2	89	91	88318	1.7	10.4213	0.6	3.6909	1.1	0.2791	0.9	0.86	1587	13	1569	9	1546	11	1546	11	103
MT-2	90	93	192157	0.8	8.7951	0.7	5.1279	1.1	0.3272	0.9	0.81	1825	15	1841	10	1859	12	1859	12	98
MT-2	91	245	621153	1.8	16.1823	0.6	0.8954	1.0	0.1051	0.8	0.78	644	5	649	5	666	14	644	5	97
MT-2	92	202	772025	2.2	12.3709	0.6	2.4085	1.2	0.2162	1.1	0.88	1262	12	1245	9	1217	11	1217	11	104
MT-2	93	112	226076	1.4	7.7473	0.6	6.8428	1.1	0.3847	0.9	0.86	2098	17	2091	10	2085	10	2085	10	101
MT-2	94	300	991717	1.8	8.2432	0.6	5.9985	1.0	0.3588	0.8	0.83	1976	14	1976	9	1975	10	1975	10	100
MT-2	95	221	528994	1.3	11.0268	0.6	3.1376	1.0	0.2510	0.8	0.80	1444	10	1442	8	1439	12	1439	12	100
MT-2	96	506	482887	4.2	11.1345	0.6	3.0372	1.1	0.2454	0.9	0.84	1415	11	1417	8	1421	11	1421	11	100
MT-2	97	695	252276	2.6	10.8800	0.5	2.9807	1.2	0.2353	1.1	0.90	1362	13	1403	9	1465	10	1465	10	93
MT-2	98	318	807624	1.7	9.3924	0.6	4.5553	0.9	0.3104	0.7	0.74	1743	11	1741	8	1739	12	1739	12	100
MT-2	99	84	142062	0.8	11.8829	0.8	2.6088	1.0	0.2249	0.6	0.61	1308	7	1303	7	1295	16	1295	16	101
MT-2	100	192	251580	2.2	12.4946	0.9	2.1794	1.2	0.1976	0.8	0.70	1162	9	1174	8	1197	17	1197	17	97

MT-2	101	458	1608512	1.5	10.3650	0.6	3.5856	1.0	0.2697	0.8	0.82	1539	12	1546	8	1556	11	1556	11	99
MT-2	102	342	135884	2.2	11.8720	0.7	2.3073	1.0	0.1988	0.8	0.73	1169	8	1215	7	1297	14	1297	14	90
MT-2	103	143	105452	1.6	12.8875	0.9	2.0208	1.2	0.1890	0.9	0.73	1116	9	1123	8	1136	17	1136	17	98
MT-2	104	115	377882	1.3	13.2340	1.0	1.8562	1.4	0.1782	1.0	0.69	1057	9	1066	9	1083	20	1083	20	98
MT-2	105	367	72866	1.9	8.2560	0.7	4.6685	2.2	0.2797	2.1	0.95	1590	29	1762	18	1972	12	1972	12	81
MT-2	106	668	339461	3.1	10.3452	0.5	3.6411	0.9	0.2733	0.7	0.82	1558	10	1559	7	1560	10	1560	10	100
MT-2	107	1204	280397	3.5	10.2760	0.6	3.5066	1.1	0.2615	0.9	0.84	1497	12	1529	9	1572	11	1572	11	95
MT-2	108	351	293367	1.1	14.0000	0.7	1.6580	1.0	0.1684	0.7	0.73	1003	7	993	6	969	14	969	14	104
MT-2	109	401	807369	2.6	10.4600	0.5	3.5860	1.0	0.2722	0.9	0.87	1552	12	1546	8	1539	9	1539	9	101
MT-2	110	234	160869	5.4	10.5939	0.7	3.4548	1.0	0.2656	0.7	0.75	1518	10	1517	8	1515	12	1515	12	100
MT-2	111	432	892375	2.0	13.4872	0.6	1.8202	1.0	0.1781	0.8	0.78	1057	8	1053	7	1045	12	1045	12	101
MT-2	112	147	260923	1.4	11.5216	0.6	2.7694	1.0	0.2315	0.8	0.81	1342	10	1347	7	1355	11	1355	11	99
MT-2	113	125	156482	1.8	11.1522	0.6	3.0786	1.0	0.2491	0.8	0.76	1434	10	1427	8	1418	12	1418	12	101
MT-2	114	259	484935	1.9	8.3807	0.5	5.8705	1.0	0.3570	0.9	0.87	1968	15	1957	9	1945	9	1945	9	101
MT-2	115	1026	905760	4.7	12.6400	0.5	2.1602	1.1	0.1981	0.9	0.87	1165	10	1168	7	1174	10	1174	10	99
MT-2	116	90	139430	0.9	8.7632	0.7	5.1852	1.0	0.3297	0.7	0.68	1837	11	1850	8	1865	13	1865	13	98
MT-2	117	110	302589	3.2	14.3638	0.7	1.4628	1.0	0.1525	0.8	0.76	915	7	915	6	916	14	916	14	100
MT-2	118	636	432716	1.2	12.8304	0.6	2.1744	1.1	0.2024	0.9	0.85	1188	10	1173	8	1144	12	1144	12	104
MT-2	119	141	118315	1.6	11.7416	0.6	2.6084	0.9	0.2222	0.7	0.79	1294	9	1303	7	1318	11	1318	11	98
MT-2	120	386	177843	1.1	11.2134	0.6	2.9246	1.1	0.2380	0.9	0.86	1376	11	1388	8	1407	11	1407	11	98
MT-2	121	289	2256028	2.3	14.4658	0.8	1.4373	1.1	0.1509	0.7	0.70	906	6	905	6	902	16	902	16	100
MT-2	122	465	1621211	2.0	10.1577	0.5	3.8537	1.1	0.2840	1.0	0.89	1612	15	1604	9	1594	10	1594	10	101
MT-2	123	245	546400	0.9	11.5330	0.6	2.7810	1.1	0.2327	0.9	0.83	1349	11	1350	8	1353	11	1353	11	100
MT-2	124	142	1442126	1.5	8.2684	0.5	5.9762	0.9	0.3585	0.7	0.80	1975	12	1972	8	1969	10	1969	10	100
MT-2	125	140	362396	2.2	10.5717	0.7	3.4472	1.2	0.2644	1.0	0.81	1512	13	1515	10	1519	13	1519	13	100
MT-2	126	260	325121	2.3	10.0683	0.5	3.8522	0.8	0.2814	0.7	0.78	1599	9	1604	7	1611	10	1611	10	99
MT-2	127	115	73849	2.0	10.5731	0.5	3.5101	1.0	0.2693	0.9	0.86	1537	12	1529	8	1519	10	1519	10	101
MT-2	128	205	75521	2.2	12.5145	0.6	2.3060	1.0	0.2094	0.8	0.82	1226	9	1214	7	1194	12	1194	12	103
MT-2	129	224	384188	1.3	7.7226	0.6	6.6502	1.0	0.3726	0.8	0.80	2042	13	2066	8	2090	10	2090	10	98
MT-2	130	426	1601456	1.7	8.7453	0.5	5.2964	1.0	0.3361	0.8	0.85	1868	14	1868	8	1869	9	1869	9	100
MT-2	131	158	281742	2.9	12.4587	0.6	2.2741	1.1	0.2056	0.9	0.81	1205	9	1204	8	1203	12	1203	12	100
MT-2	132	301	836408	1.5	12.5671	0.6	2.1321	1.2	0.1944	1.0	0.85	1145	10	1159	8	1186	12	1186	12	97
MT-2	133	317	10555293	1.9	9.4179	0.5	4.4345	1.0	0.3030	0.9	0.87	1706	13	1719	8	1734	9	1734	9	98
MT-2	134	400	433391	3.5	10.6577	0.6	3.4894	1.0	0.2698	0.9	0.84	1540	12	1525	8	1504	11	1504	11	102
MT-2	135	361	492554	1.7	9.2849	0.6	4.7224	0.9	0.3181	0.7	0.77	1781	11	1771	8	1760	11	1760	11	101
MT-2	136	181	139857	2.8	11.5025	0.6	2.8502	1.0	0.2379	0.8	0.77	1376	10	1369	8	1358	12	1358	12	101
MT-2	137	172	393488	3.7	11.4581	0.7	2.7940	1.2	0.2323	0.9	0.79	1346	11	1354	9	1366	14	1366	14	99
MT-2	138	126	348166	2.0	11.1961	0.8	2.8694	1.3	0.2331	1.0	0.77	1351	12	1374	10	1410	16	1410	16	96
MT-2	139	675	895085	2.6	10.4241	0.6	3.5608	1.0	0.2693	0.8	0.83	1537	11	1541	8	1546	11	1546	11	99
MT-2	140	172	216825	2.2	13.4081	0.7	1.8082	1.1	0.1759	0.9	0.80	1045	9	1048	7	1056	14	1056	14	99
MT-2	141	87	109407	1.8	10.8716	0.6	3.1704	1.0	0.2501	0.8	0.77	1439	10	1450	8	1466	12	1466	12	98
MT-2	142	142	180682	2.6	14.4103	0.9	1.4578	1.1	0.1524	0.7	0.60	915	6	913	7	910	18	910	18	101
MT-2	143	327	545399	3.0	10.4388	0.6	3.4774	1.1	0.2634	0.9	0.85	1507	12	1522	8	1543	10	1543	10	98
MT-2	144	3677	8892	1.8	7.8592	0.7	1.6410	1.4	0.0936	1.2	0.86	577	7	986	9	2059	13	2059	13	28
MT-2	145	93	831271	1.3	9.3661	0.8	4.4251	1.3	0.3007	0.9	0.74	1695	14	1717	10	1744	16	1744	16	97
MT-2	146	358	1729100	3.0	5.4247	0.4	12.8566	0.9	0.5060	0.8	0.88	2640	17	2669	8	2692	7	2692	7	98
MT-2	147	86	127206	1.4	12.4148	0.9	2.2219	1.4	0.2002	1.0	0.74	1176	11	1188	10	1210	18	1210	18	97
MT-2	148	386	1264903	2.6	10.9073	0.6	3.1763	1.3	0.2514	1.1	0.87	1446	15	1451	10	1460	12	1460	12	99
MT-2	149	296	154152	2.5	11.6584	0.7	2.7179	1.1	0.2299	0.8	0.74	1334	10	1333	8	1332	14	1332	14	100
MT-2	150	179	402641	1.1	8.6793	0.5	5.1873	0.8	0.3267	0.6	0.77	1822	10	1851	7	1882	10	1882	10	97
MT-2	151	171	636662	1.9	10.4347	0.7	3.5067	1.4	0.2655	1.1	0.84	1518	16	1529	11	1544	14	1544	14	98
MT-2	152	200	183719	1.5	10.4775	0.5	3.5569	0.9	0.2704	0.8	0.83	1543	11	1540	7	1536	10	1536	10	100
MT-2	153	216	466981	3.4	12.4199	0.5	2.2789	1.2	0.2054	1.0	0.89	1204	11	1206	8	1209	11	1209	11	100
MT-2	154	321	309029	2.2	9.8350	0.5	4.0230	1.1	0.2871	0.9	0.87	1627	13	1639	9	1654	10	1654	10	98
MT-2	155	429	323266	2.4	12.3948	0.6	2.3001	0.9	0.2069	0.6	0.74	1212	7	1212	6	1213	11	1213	11	100
MT-2	156	248	354744	3.0	14.2918	0.6	1.4702	1.0	0.1525	0.8	0.83	915	7	918	6	927	12	927	12	99
MT-2	157	433	506790	2.7	7.8900	0.6	6.3504	1.2	0.3636	1.0	0.85	1999	17	2025	10	2053	11	2053	11	97
MT-2	158	135	499516	1.2	4.9768	0.7	15.8539	1.1	0.5725	0.9	0.80	2918	21	2868	11	2833	11	2833	11	103
MT-2	159	122	101160	2.5	10.7182	0.8	3.3317	1.2	0.2591	0.9	0.78	1485	12	1489	9	1493	14	1493	14	99
MT-2	160	366	312587	2.7	12.4796	0.6	2.2780	1.2	0.2063	1.0	0.85	1209	11	1206	9	1199	13	1199	13	101
MT-2	161	281	322242	3.3	12.5187	0.5	2.2402	0.9	0.2035	0.7	0.80	1194	8	1194	6	1193	11	1193	11	100
MT-2	162	36	23591	1.5	11.4790	1.2	2.8589	1.5	0.2381	0.9	0.62	1377	11	1371	11	1362	22	1362	22	101
MT-2	163	340	2233299	1.7	7.2174	0.5	7.6913	1.0	0.4028	0.9	0.89	2182	16	2196	9	2208	8	2208	8	99
MT-2	164	1092	2484262	2.5	12.2584	0.5	2.3536	1.0	0.2093	0.9	0.86	1225	10	1229	7	1235	10	1235	10	99
MT-2	165	126	67625	1.6	12.6402	1.0	2.1505	1.3	0.1972	0.9	0.69	1160	10	1165	9	1174	19	1174	19	99
MT-2	166	130	123207	1.3	8.2157	0.5	6.0411	1.0	0.3601	0.9	0.84	1983	15	1982	9	1981	10	1981	10	100
MT-2	167	248	4369132	1.2	9.3731	0.6	4.5211	1.0	0.3075	0.8	0.77	1728	12	1735	8	1743	12	1743	12	99

MT-2	168	124	289277	1.3	12.2336	0.8	2.2364	1.7	0.1985	1.5	0.87	1167	16	1193	12	1238	16	1238	16	94
MT-2	169	211	595467	1.5	8.1650	0.6	6.0161	1.1	0.3564	1.0	0.86	1965	16	1978	10	1992	10	1992	10	99
MT-2	170	191	1986965	1.3	9.7503	0.6	4.0450	1.1	0.2862	1.0	0.87	1622	14	1643	9	1670	10	1670	10	97
MT-2	171	166	1486618	1.4	8.5754	0.6	5.3661	1.1	0.3339	0.8	0.79	1857	13	1879	9	1904	12	1904	12	98
MT-2	172	115	266722	1.4	13.7399	0.7	1.7032	1.3	0.1698	1.1	0.83	1011	10	1010	8	1007	15	1007	15	100
MT-2	173	177	270335	1.6	8.7342	0.6	5.2593	1.0	0.3333	0.8	0.83	1854	13	1862	8	1871	10	1871	10	99
MT-2	174	161	108929	1.7	12.6441	0.7	2.1656	1.1	0.1987	0.9	0.79	1168	9	1170	8	1173	14	1173	14	100
MT-2	175	441	720347	2.7	12.3774	0.6	2.2864	1.0	0.2053	0.8	0.81	1204	9	1208	7	1216	11	1216	11	99
MT-2	176	272	195844	3.1	13.3369	0.7	1.7610	1.1	0.1704	0.8	0.78	1014	8	1031	7	1067	14	1067	14	95
MT-2	177	467	94862133	1.4	12.1742	0.6	2.3152	1.1	0.2045	0.9	0.83	1199	10	1217	8	1248	12	1248	12	96
MT-2	178	74	38701	1.7	12.5982	1.1	2.1860	1.4	0.1998	0.8	0.59	1174	8	1177	9	1181	22	1181	22	99
MT-2	179	226	252349	1.5	8.7650	0.4	5.2795	1.0	0.3358	0.9	0.91	1866	15	1866	9	1865	8	1865	8	100
MT-2	180	187	332634	1.8	7.7999	0.6	6.7151	1.2	0.3800	1.0	0.87	2076	18	2075	10	2073	10	2073	10	100
MT-2	181	82	640759	1.9	7.7224	0.7	6.6813	1.1	0.3744	0.8	0.75	2050	15	2070	10	2090	13	2090	13	98
MT-2	182	342	449941	1.4	8.7740	0.7	5.1274	1.0	0.3264	0.7	0.70	1821	11	1841	8	1863	12	1863	12	98
MT-2	183	451	1232677	1.3	13.3682	0.8	1.8990	1.2	0.1842	0.9	0.75	1090	9	1081	8	1062	16	1062	16	103
MT-2	184	330	285103	0.8	11.3495	0.6	2.8770	0.9	0.2369	0.8	0.79	1371	9	1376	7	1384	11	1384	11	99
MT-2	185	25	55611	2.7	11.4618	1.3	2.7251	1.7	0.2266	1.1	0.62	1317	13	1335	13	1365	26	1365	26	96
MT-2	186	250	1019231	0.9	8.6388	0.7	5.3004	1.3	0.3322	1.1	0.84	1849	17	1869	11	1891	12	1891	12	98
MT-2	187	194	139465	1.3	11.4746	0.7	2.8091	1.1	0.2339	0.9	0.77	1355	10	1358	8	1363	13	1363	13	99
MT-2	188	486	289365	2.0	11.4483	0.6	2.8870	1.0	0.2398	0.8	0.82	1386	10	1379	8	1367	11	1367	11	101
MT-2	189	3194	10873	2.6	8.1371	1.2	1.6294	1.6	0.0962	1.1	0.69	592	6	982	10	1998	21	1998	21	30
MT-2	190	2908	12007	3.6	8.8835	0.5	1.6391	1.3	0.1057	1.1	0.91	647	7	985	8	1840	9	1840	9	35
MT-2	191	218	15120589	0.9	8.6606	0.5	5.3443	0.9	0.3358	0.7	0.85	1867	12	1876	7	1886	8	1886	8	99
MT-2	192	198	390044	2.5	10.8477	0.7	3.1384	1.1	0.2470	0.9	0.81	1423	11	1442	9	1470	12	1470	12	97
MT-2	193	182	252670	1.4	9.1446	0.6	4.8689	0.9	0.3231	0.7	0.76	1805	11	1797	8	1788	11	1788	11	101
MT-2	194	44	67018	2.2	14.5218	1.5	1.4187	1.9	0.1495	1.3	0.65	898	11	897	12	894	30	898	11	100
MT-2	195	266	298798	2.3	8.4773	0.6	5.6055	1.0	0.3448	0.7	0.77	1910	12	1917	8	1925	11	1925	11	99
MT-2	196	242	335826	1.3	5.3258	0.6	11.8249	0.9	0.4570	0.7	0.77	2426	15	2591	9	2722	10	2722	10	89
MT-2	197	208	96030	1.0	12.8274	0.7	2.0025	1.1	0.1864	0.9	0.77	1102	9	1116	8	1145	14	1145	14	96
MT-2	198	89	194645	1.9	9.0871	0.8	4.7633	1.1	0.3141	0.8	0.70	1761	12	1778	9	1799	14	1799	14	98
MT-2	199	259	732343	2.7	10.6545	0.5	3.3934	1.0	0.2623	0.9	0.84	1502	11	1503	8	1504	10	1504	10	100
MT-2	200	19	79031	1.4	13.6973	1.7	1.6512	2.1	0.1641	1.2	0.59	980	11	990	13	1013	35	1013	35	97
MT-2	201	669	348488	3.4	12.3014	0.5	2.3876	1.1	0.2131	1.0	0.89	1245	11	1239	8	1228	10	1228	10	101
MT-2	202	127	3777111	0.8	13.8824	0.8	1.6585	1.2	0.1671	0.9	0.77	996	9	993	8	986	16	986	16	101
MT-2	203	294	281312	2.5	12.6697	0.5	2.1752	0.8	0.2000	0.6	0.78	1175	7	1173	6	1169	10	1169	10	100
MT-2	204	628	97922	4.4	11.1668	0.5	2.4835	0.9	0.2012	0.7	0.79	1182	8	1267	6	1415	10	1415	10	84
MT-2	205	89	3500357	0.9	8.9074	0.7	5.0785	1.2	0.3282	0.9	0.79	1830	15	1833	10	1836	13	1836	13	100
MT-2	206	165	487762	1.0	8.6550	0.7	5.2576	1.1	0.3302	0.8	0.78	1839	14	1862	9	1888	12	1888	12	97
MT-2	207	956	117864	2.8	11.8337	0.9	2.2018	1.6	0.1891	1.3	0.81	1116	13	1182	11	1303	18	1303	18	86
MT-2	208	268	143355	1.1	9.1430	0.8	4.7826	1.2	0.3173	1.0	0.78	1776	15	1782	10	1788	14	1788	14	99
MT-2	209	55	49846	1.4	14.2917	1.0	1.4456	1.4	0.1499	1.0	0.72	900	8	908	8	927	20	927	20	97
MT-2	210	318	665835	2.5	11.6072	0.6	2.7187	1.0	0.2290	0.7	0.76	1329	9	1334	7	1341	12	1341	12	99
MT-2	211	496	62603759	1.4	7.9360	0.5	6.4275	1.0	0.3701	0.8	0.84	2030	14	2036	8	2042	9	2042	9	99
MT-2	212	136	114935	1.9	12.6094	0.7	2.1741	1.0	0.1989	0.7	0.70	1169	7	1173	7	1179	14	1179	14	99
MT-2	213	317	450486	2.4	12.3737	0.5	2.3570	0.7	0.2116	0.5	0.74	1237	6	1230	5	1216	9	1216	9	102
MT-2	214	350	825732	1.6	10.7856	0.5	3.2349	0.9	0.2532	0.8	0.83	1455	10	1466	7	1481	10	1481	10	98
MT-2	215	99	244504	1.9	12.4190	0.5	2.2151	1.0	0.1996	0.8	0.83	1173	9	1186	7	1209	10	1209	10	97
MT-2	216	260	355610	2.8	8.8409	0.7	5.0285	1.1	0.3226	0.9	0.80	1802	14	1824	10	1849	12	1849	12	97
MT-2	217	880	137850	10.6	10.5685	0.9	2.9615	1.3	0.2271	1.0	0.77	1319	12	1398	10	1520	16	1520	16	87
MT-2	218	368	215667	1.2	7.5472	0.7	7.1783	1.2	0.3931	0.9	0.81	2137	17	2134	10	2131	12	2131	12	100
MT-2	219	280	2615352	1.2	7.6770	0.5	6.8738	1.1	0.3829	1.0	0.89	2090	18	2095	10	2101	9	2101	9	99
MT-2	220	149	301760	1.6	8.6801	0.7	5.3136	1.0	0.3347	0.7	0.69	1861	11	1871	9	1882	13	1882	13	99
MT-2	221	182	455841	1.5	11.2377	0.6	2.9246	1.0	0.2385	0.9	0.82	1379	11	1388	8	1403	12	1403	12	98
MT-2	222	110	321787	5.1	11.4100	0.7	2.9234	1.1	0.2420	0.8	0.74	1397	10	1388	8	1374	14	1374	14	102
MT-2	223	177	109226	1.7	13.1220	0.8	1.9813	1.1	0.1886	0.8	0.74	1114	9	1109	8	1100	15	1100	15	101
MT-2	224	306	4583581	2.0	9.1820	0.6	4.8174	1.2	0.3210	1.0	0.86	1794	16	1788	10	1780	11	1780	11	101
MT-2	225	1093	5287513	3.5	10.4821	0.6	3.6163	1.2	0.2750	1.0	0.87	1566	14	1553	9	1535	11	1535	11	102
MT-2	226	95	66327	2.2	14.5469	0.8	1.4297	1.3	0.1509	0.9	0.74	906	8	901	7	890	17	906	8	102
MT-2	227	526	306526	2.6	12.7663	0.6	2.1631	1.1	0.2004	0.9	0.85	1177	10	1169	8	1154	11	1154	11	102
MT-2	228	179	2342024	1.4	8.7293	0.6	5.2620	0.9	0.3333	0.7	0.73	1854	11	1863	8	1872	12	1872	12	99
MT-2	229	490	461552	1.6	9.5944	0.5	4.3767	0.9	0.3047	0.7	0.84	1715	11	1708	7	1700	9	1700	9	101
MT-2	230	213	338971	1.2	7.7313	0.6	6.5270	1.0	0.3661	0.8	0.82	2011	14	2050	9	2088	10	2088	10	96
MT-2	231	276	100006	1.2	8.8052	0.6	4.7444	1.2	0.3031	1.0	0.86	1707	15	1775	10	1856	11	1856	11	92
MT-2	232	549	2041569	1.9	9.4264	0.5	4.5147	0.9	0.3088	0.7	0.81	1735	11	1734	7	1732	9	1732	9	100
MT-2	233	47	290250	2.4	12.5454	0.8	2.2447	1.1	0.2043	0.8	0.72	1199	9	1195	8	1189	16	1189	16	101
MT-2	234	103	350298	2.1	11.2579	0.7	2.9495	1.2	0.2409	1.0	0.83	1392	12	1395	9	1400	13	1400	13	99

MT-2	235	98	105033	2.0	13.4094	1.1	1.8114	1.6	0.1762	1.1	0.70	1046	11	1050	10	1056	23	1056	23	99
MT-2	236	425	121479	1.4	15.1367	0.8	0.9311	1.2	0.1023	0.9	0.75	628	6	668	6	807	17	628	6	78
MT-2	237	241	323028	3.5	11.5444	0.6	2.7829	1.1	0.2331	0.9	0.86	1351	12	1351	8	1351	11	1351	11	100
MT-2	238	123	172077	4.2	12.5041	0.9	2.2852	1.3	0.2073	0.9	0.72	1215	10	1208	9	1195	17	1195	17	102
MT-2	239	91	139527	0.9	9.2114	0.6	4.4582	1.1	0.2980	0.9	0.80	1681	13	1723	9	1775	12	1775	12	95
MT-2	240	126	138985	2.3	11.2219	0.9	2.9791	1.3	0.2426	0.9	0.70	1400	11	1402	10	1406	17	1406	17	100
MT-2	241	285	369858	1.4	11.7782	0.5	2.6191	0.9	0.2238	0.8	0.83	1302	9	1306	7	1312	10	1312	10	99
MT-2	242	131	112874	2.8	13.4349	0.9	1.7847	1.2	0.1740	0.8	0.68	1034	8	1040	8	1052	17	1052	17	98
MT-2	243	840	482897	3.1	13.3293	0.5	1.7844	1.2	0.1726	1.1	0.92	1026	10	1040	8	1068	9	1068	9	96
MT-2	244	66	103147	1.4	14.2437	1.2	1.4367	1.6	0.1485	1.0	0.65	892	8	904	9	934	24	934	24	96
MT-2	245	52	135390	0.5	9.0429	0.9	4.7281	1.3	0.3102	1.0	0.76	1742	16	1772	11	1808	16	1808	16	96
MT-2	246	380	1224097	2.3	8.2964	0.4	5.7883	0.8	0.3484	0.7	0.83	1927	11	1945	7	1963	8	1963	8	98
MT-2	247	190	753074	0.7	8.3357	0.7	5.6957	1.2	0.3445	1.1	0.85	1908	17	1931	11	1955	12	1955	12	98
MT-2	248	461	1080965	1.5	12.0130	0.6	2.5680	1.1	0.2238	0.9	0.83	1302	11	1292	8	1274	12	1274	12	102
MT-2	249	170	569931	3.2	12.3675	0.9	2.3051	1.2	0.2069	0.9	0.71	1212	10	1214	9	1217	17	1217	17	100
MT-2	250	25	8395	0.5	13.9004	1.7	1.6336	2.1	0.1648	1.1	0.54	983	10	983	13	983	35	983	35	100
MT-2	251	37	222211	2.0	10.6964	0.9	3.2407	1.4	0.2515	1.0	0.73	1446	13	1467	11	1497	18	1497	18	97
MT-2	252	89	41401	2.7	11.4731	0.8	2.8649	1.3	0.2385	1.0	0.77	1379	12	1373	10	1363	16	1363	16	101
MT-2	253	161	161324	2.0	12.7454	0.7	2.1381	1.1	0.1977	0.9	0.81	1163	10	1161	8	1158	13	1158	13	100
MT-2	254	311	231631	1.6	12.7148	0.6	2.1304	1.0	0.1965	0.8	0.82	1157	9	1159	7	1162	12	1162	12	100
MT-2	255	161	152390	3.1	12.6617	0.7	2.1542	1.0	0.1979	0.8	0.76	1164	8	1166	7	1171	13	1171	13	99
MT-2	256	17	53352	5.1	12.4562	1.5	2.3704	2.0	0.2142	1.2	0.62	1251	14	1234	14	1203	30	1203	30	104
MT-2	257	2418	14623	2.6	8.4867	0.7	1.7285	1.2	0.1064	0.9	0.77	652	5	1019	7	1923	13	1923	13	34
MT-2	258	118	51277	2.9	13.0877	0.7	1.9123	1.2	0.1816	1.0	0.81	1076	10	1085	8	1105	14	1105	14	97
MT-2	259	75	57834	1.9	12.2634	0.9	2.3421	1.3	0.2084	0.9	0.70	1220	10	1225	9	1234	18	1234	18	99
MT-2	260	42	20952	1.8	11.8962	0.9	2.5247	1.5	0.2179	1.2	0.78	1271	14	1279	11	1293	18	1293	18	98
MT-2	261	82	180157	0.8	10.7671	0.8	3.3173	1.2	0.2592	0.9	0.77	1486	12	1485	9	1485	15	1485	15	100
MT-2	262	150	96286	1.1	11.5768	0.8	2.7395	1.3	0.2301	1.0	0.78	1335	12	1339	9	1346	15	1346	15	99
MT-2	263	471	513063	1.5	7.6281	0.6	6.7662	1.0	0.3745	0.8	0.81	2051	14	2081	9	2112	10	2112	10	97
MT-2	264	249	1052979	3.0	12.5978	0.6	2.1875	1.0	0.2000	0.8	0.77	1175	8	1177	7	1181	13	1181	13	100
MT-2	265	130	1170671	1.3	8.3188	0.7	5.9419	1.2	0.3587	0.9	0.79	1976	16	1967	10	1959	13	1959	13	101
MT-2	266	137	169627	1.4	11.0311	0.6	3.1896	1.2	0.2553	1.1	0.87	1466	14	1455	10	1438	12	1438	12	102
MT-2	267	140	908149	2.2	10.9780	0.8	3.2537	1.3	0.2592	1.0	0.80	1486	13	1470	10	1448	14	1448	14	103
MT-2	268	273	161875	3.5	13.3146	0.7	1.9254	1.1	0.1860	0.8	0.78	1100	8	1090	7	1070	13	1070	13	103
MT-2	269	134	120190	1.9	8.2472	0.6	5.8740	1.3	0.3515	1.1	0.88	1942	18	1957	11	1974	11	1974	11	98
MT-2	270	289	557398	1.3	7.5189	0.6	7.0541	1.1	0.3848	0.9	0.85	2099	16	2118	10	2137	10	2137	10	98
MT-2	271	459	280251	2.1	11.9447	0.5	2.4453	0.9	0.2119	0.7	0.80	1239	8	1256	6	1285	11	1285	11	96
MT-2	272	93	97658	0.6	7.8754	0.6	6.4775	1.2	0.3701	1.1	0.89	2030	19	2043	11	2056	10	2056	10	99
MT-2	273	398	11391084	1.5	11.5836	0.6	2.8145	1.2	0.2366	1.1	0.86	1369	13	1359	9	1345	12	1345	12	102
MT-2	274	159	1149606	2.7	13.5212	0.6	1.7547	1.0	0.1722	0.8	0.80	1024	8	1029	7	1039	12	1039	12	99
MT-2	275	134	131606	1.0	9.1458	0.6	4.7107	1.1	0.3126	0.9	0.82	1754	14	1769	9	1788	11	1788	11	98
MT-2	276	533	1569816	3.6	11.5704	0.6	2.7240	1.1	0.2287	1.0	0.88	1328	12	1335	8	1347	11	1347	11	99
MT-2	277	300	988720	2.8	8.3479	0.5	5.7189	0.9	0.3464	0.7	0.85	1917	12	1934	7	1952	8	1952	8	98
MT-2	278	228	302109	1.8	8.2106	0.5	5.9900	0.9	0.3568	0.8	0.83	1967	13	1974	8	1982	9	1982	9	99
MT-2	279	330	294725	1.9	13.3675	0.6	1.8506	1.0	0.1795	0.8	0.77	1064	8	1064	7	1062	13	1062	13	100
MT-2	280	151	146069	2.2	11.1068	0.8	3.0046	1.1	0.2421	0.8	0.72	1398	10	1409	8	1425	15	1425	15	98
MT-2	281	813	1995399	7.0	12.4328	0.5	2.3487	1.3	0.2119	1.2	0.93	1239	14	1227	9	1207	9	1207	9	103
MT-2	282	181	2924873	0.9	9.0730	0.5	4.8542	1.0	0.3196	0.9	0.88	1788	14	1794	8	1802	9	1802	9	99
MT-2	283	208	1043638	1.7	11.2294	0.6	2.9183	0.9	0.2378	0.7	0.72	1375	8	1387	7	1404	12	1404	12	98
MT-2	284	79	134038	2.3	12.3551	0.9	2.2714	1.3	0.2036	1.0	0.73	1195	11	1203	9	1219	18	1219	18	98
MT-2	285	241	1086798	0.7	7.7110	0.5	6.8328	1.0	0.3823	0.9	0.89	2087	16	2090	9	2093	8	2093	8	100
MT-2	286	144	47758	1.1	12.3006	0.6	2.0231	1.0	0.1806	0.8	0.79	1070	8	1123	7	1228	12	1228	12	87
MT-2	287	84	70550	0.5	9.0591	0.7	4.7658	1.1	0.3133	0.8	0.74	1757	13	1779	9	1805	13	1805	13	97
MT-2	288	165	233071	2.4	12.5769	0.7	2.1790	1.1	0.1988	0.9	0.78	1169	9	1174	8	1184	14	1184	14	99
MT-2	289	73	151968	1.4	11.2259	1.0	2.9877	1.4	0.2434	1.1	0.74	1404	13	1404	11	1405	18	1405	18	100
MT-2	290	234	537992	1.5	10.5946	0.5	3.4599	1.0	0.2660	0.9	0.86	1520	12	1518	8	1515	10	1515	10	100
MT-2	291	117	1000104	1.9	7.4848	0.6	7.0975	1.1	0.3855	0.9	0.85	2102	17	2124	10	2145	10	2145	10	98
MT-2	292	161	693185	2.4	10.4599	0.5	3.4214	0.9	0.2597	0.7	0.80	1488	9	1509	7	1539	10	1539	10	97
MT-2	293	29	37435	0.7	10.4297	1.4	3.3234	1.8	0.2515	1.1	0.62	1446	15	1487	14	1545	27	1545	27	94
MT-2	294	170	391812	1.6	8.7766	0.6	5.1460	1.1	0.3277	0.9	0.82	1827	14	1844	9	1862	11	1862	11	98
MT-2	295	231	2209819	1.1	5.4027	0.4	13.1763	0.8	0.5165	0.6	0.83	2684	14	2692	7	2698	7	2698	7	99
MT-2	296	112	165263	1.8	9.3591	0.6	4.4825	1.2	0.3044	1.0	0.86	1713	15	1728	10	1746	11	1746	11	98
MT-2	297	122	132308	3.2	10.7881	0.7	3.3075	1.0	0.2589	0.8	0.78	1484	11	1483	8	1481	12	1481	12	100
MT-2	298	216	127441	2.2	11.0767	0.6	3.0846	0.9	0.2479	0.7	0.75	1428	9	1429	7	1431	11	1431	11	100
MT-2	299	295	259119	4.2	11.1230	0.6	3.1464	1.2	0.2539	1.0	0.88	1459	14	1444	9	1423	11	1423	11	103
MT-2	300	168	467116	1.5	11.5360	0.7	2.7684	1.2	0.2317	0.9	0.76	1344	11	1347	9	1353	14	1353	14	99
MT-2	301	184	57448	2.6	14.4384	0.8	1.4436	1.2	0.1512	0.9	0.75	908	8	907	7	906	17	906	17	100

MT-2	302	180	234081	1.2	11.4402	0.6	2.8921	1.0	0.2401	0.7	0.74	1387	9	1380	7	1369	12	1369	12	101

MT-3	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
MT-3	1	88	81990	2.9	10.9944	0.8	3.1636	1.2	0.2524	1.0	0.77	1451	13	1448	10	1445	15	1445	15	100
MT-3	2	320	396055	1.2	11.6728	0.5	2.6832	0.8	0.2273	0.6	0.77	1320	7	1324	6	1330	10	1330	10	99
MT-3	3	169	77186	1.3	9.1697	0.5	4.7974	0.9	0.3192	0.8	0.86	1786	13	1784	8	1783	9	1783	9	100
MT-3	4	237	150274	1.9	12.7320	0.5	2.1592	0.9	0.1995	0.7	0.80	1172	7	1168	6	1160	10	1160	10	101
MT-3	5	156	70319	1.8	7.9060	0.5	6.5831	1.4	0.3776	1.3	0.92	2065	23	2057	12	2049	10	2049	10	101
MT-3	6	184	75622	3.0	12.7324	0.5	2.0870	1.1	0.1928	0.9	0.87	1137	10	1145	7	1160	10	1160	10	98
MT-3	7	260	31168	1.8	11.7132	0.5	2.7232	0.8	0.2314	0.6	0.80	1342	8	1335	6	1323	9	1323	9	101
MT-3	8	166	1004022	2.1	11.1904	0.6	2.9839	1.1	0.2423	0.9	0.83	1399	11	1404	8	1411	12	1411	12	99
MT-3	9	284	16950	1.9	11.1999	0.6	2.6962	1.0	0.2191	0.7	0.78	1277	9	1327	7	1409	11	1409	11	91
MT-3	10	542	440485	3.2	12.1827	0.4	2.4229	1.0	0.2142	0.9	0.89	1251	10	1249	7	1247	9	1247	9	100
MT-3	11	223	191468	1.2	11.4381	0.5	2.8479	0.9	0.2364	0.7	0.83	1368	9	1368	7	1369	9	1369	9	100
MT-3	12	189	107508	1.2	11.8028	0.5	2.5782	1.0	0.2208	0.9	0.86	1286	11	1294	8	1308	10	1308	10	98
MT-3	13	93	23290	1.3	10.6146	0.7	3.4670	0.9	0.2670	0.6	0.66	1526	8	1520	7	1511	13	1511	13	101
MT-3	14	94	44967	2.3	11.3696	0.5	2.9110	0.8	0.2401	0.6	0.77	1387	8	1385	6	1381	10	1381	10	100
MT-3	15	192	618253	2.9	11.2628	0.6	2.9106	0.8	0.2379	0.6	0.74	1376	8	1385	6	1399	11	1399	11	98
MT-3	16	227	94517	2.2	10.9992	0.5	3.0070	0.9	0.2400	0.7	0.81	1387	9	1409	7	1444	10	1444	10	96
MT-3	17	135	1358593	3.1	10.9705	0.5	3.1423	0.9	0.2501	0.8	0.86	1439	10	1443	7	1449	9	1449	9	99
MT-3	18	241	615057	2.0	11.0398	0.5	3.0193	1.0	0.2419	0.8	0.84	1396	10	1413	7	1437	10	1437	10	97
MT-3	19	241	38028	1.1	8.7578	0.6	4.9514	1.0	0.3146	0.8	0.83	1763	13	1811	8	1866	10	1866	10	94
MT-3	20	112	33144	0.9	8.7389	0.6	5.3532	0.9	0.3394	0.7	0.75	1884	11	1877	7	1870	10	1870	10	101
MT-3	21	294	89404	3.2	11.0765	0.6	3.0884	0.9	0.2482	0.7	0.77	1429	9	1430	7	1431	11	1431	11	100
MT-3	22	115	49995	0.7	9.0230	0.6	5.0461	1.0	0.3304	0.9	0.83	1840	14	1827	9	1812	11	1812	11	102
MT-3	23	422	84871	3.8	10.6297	0.5	3.4679	1.0	0.2675	0.8	0.85	1528	12	1520	8	1509	10	1509	10	101
MT-3	24	224	22370	4.3	10.6898	0.4	3.4424	0.8	0.2670	0.7	0.84	1526	9	1514	6	1498	8	1498	8	102
MT-3	25	114	40113	1.9	11.0552	0.6	3.1560	0.9	0.2532	0.6	0.73	1455	8	1446	7	1434	12	1434	12	101
MT-3	26	98	11676	0.9	10.7022	0.7	3.4258	1.0	0.2660	0.8	0.76	1521	11	1510	8	1496	13	1496	13	102
MT-3	27	229	415872	2.1	11.0367	0.5	3.1165	0.7	0.2496	0.6	0.75	1436	7	1437	6	1438	9	1438	9	100
MT-3	28	284	49432	1.6	11.0687	0.6	3.0987	1.0	0.2489	0.8	0.81	1433	10	1432	8	1432	11	1432	11	100
MT-3	29	246	34544	2.5	11.4924	0.5	2.8208	1.0	0.2352	0.8	0.83	1362	10	1361	7	1360	10	1360	10	100
MT-3	30	242	57922	2.8	11.5218	0.5	2.8463	0.9	0.2380	0.8	0.84	1376	10	1368	7	1355	9	1355	9	102
MT-3	31	151	59617	1.1	11.4074	0.6	2.8911	0.9	0.2393	0.8	0.80	1383	9	1380	7	1374	11	1374	11	101
MT-3	32	117	32743	1.6	10.6533	0.7	3.4014	1.1	0.2629	0.8	0.75	1505	11	1505	8	1505	13	1505	13	100
MT-3	33	284	170557	2.5	11.1085	0.5	3.0248	0.8	0.2438	0.7	0.81	1406	8	1414	6	1425	9	1425	9	99
MT-3	34	143	59258	2.1	11.0068	0.6	3.1104	0.9	0.2484	0.7	0.71	1430	9	1435	7	1443	12	1443	12	99
MT-3	35	74	21302	1.4	11.6305	0.8	2.7406	1.1	0.2313	0.7	0.68	1341	9	1340	8	1337	15	1337	15	100
MT-3	36	23	6795	2.5	11.5532	1.2	2.6510	1.5	0.2222	0.9	0.61	1294	11	1315	11	1350	22	1350	22	96
MT-3	37	129	20887	2.8	13.6837	0.8	1.6511	1.1	0.1639	0.8	0.70	979	7	990	7	1015	15	1015	15	96
MT-3	38	181	65972	4.4	12.7893	0.8	2.0876	1.1	0.1937	0.9	0.75	1141	9	1145	8	1151	15	1151	15	99
MT-3	39	94	72507	1.5	9.1379	0.6	5.0196	1.1	0.3328	0.9	0.83	1852	15	1823	9	1789	11	1789	11	104
MT-3	40	221	49191	3.3	10.4569	0.5	3.5527	0.9	0.2696	0.7	0.80	1539	10	1539	7	1540	10	1540	10	100
MT-3	41	220	21292	2.8	12.2238	0.6	2.3644	0.9	0.2097	0.7	0.80	1227	8	1232	7	1240	11	1240	11	99
MT-3	42	333	224838	2.2	11.2497	0.4	2.9767	1.0	0.2430	0.9	0.92	1402	12	1402	8	1401	7	1401	7	100
MT-3	43	141	31689	2.5	8.9537	0.7	4.8482	1.1	0.3150	0.9	0.81	1765	14	1793	9	1826	12	1826	12	97
MT-3	44	138	254738	0.8	9.0990	0.7	4.8401	1.2	0.3195	0.9	0.82	1788	15	1792	10	1797	12	1797	12	99
MT-3	45	166	75663	2.2	11.1295	0.6	3.0297	1.0	0.2447	0.8	0.76	1411	10	1415	8	1422	12	1422	12	99
MT-3	46	263	118902	2.5	11.0809	0.6	3.0844	1.0	0.2480	0.8	0.82	1428	11	1429	8	1430	11	1430	11	100
MT-3	47	60	22265	1.7	7.7354	0.7	6.4581	1.1	0.3625	0.8	0.79	1994	14	2040	9	2087	11	2087	11	96
MT-3	48	174	37576	2.2	7.5629	0.5	7.1678	0.8	0.3933	0.7	0.83	2138	12	2133	7	2127	8	2127	8	101
MT-3	49	122	53581	2.9	10.6533	0.7	3.4376	1.1	0.2657	0.9	0.80	1519	12	1513	9	1505	12	1505	12	101
MT-3	50	187	75965	2.1	11.4131	0.5	2.8458	0.8	0.2357	0.6	0.76	1364	7	1368	6	1373	10	1373	10	99
MT-3	51	317	622078	2.1	12.1589	0.5	2.3596	0.9	0.2082	0.8	0.86	1219	9	1230	6	1250	9	1250	9	97
MT-3	52	152	72891	7.9	11.8231	0.5	2.5131	0.8	0.2156	0.7	0.81	1259	8	1276	6	1305	9	1305	9	96
MT-3	53	212	221078	3.8	11.1412	0.6	3.0420	0.8	0.2459	0.6	0.76	1417	8	1418	6	1420	11	1420	11	100
MT-3	54	269	104528	3.8	11.0543	0.6	3.1221	1.0	0.2504	0.8	0.81	1441	11	1438	8	1434	11	1434	11	100
MT-3	55	80	42966	4.7	11.1035	0.7	3.1101	1.3	0.2506	1.1	0.83	1441	14	1435	10	1426	14	1426	14	101
MT-3	56	245	68010	1.1	11.3424	0.4	2.8144	0.8	0.2316	0.6	0.84	1343	8	1359	6	1385	8	1385	8	97
MT-3	57	200	33628	1.2	11.3712	0.7	2.8818	1.0	0.2378	0.7	0.73	1375	9	1377	7	1380	13	1380	13	100
MT-3	58	217	69144	1.0	11.0575	0.6	3.1177	1.1	0.2501	0.9	0.86	1439	12	1437	8	1434	11	1434	11	100
MT-3	59	452	140248	3.4	11.2315	0.4	3.0005	0.8	0.2445	0.7	0.86	1410	9	1408	6	1404	8	1404	8	100
MT-3	60	184	87125	1.8	11.5993	0.6	2.7109	0.8	0.2282	0.6	0.72	1325	7	1331	6	1342	11	1342	11	99
MT-3	61	161	142535	1.1	9.2412	0.6	4.7308	1.0	0.3172	0.8	0.81	1776	13	1773	9	1769	11	1769	11	100
MT-3	62	259	25424	1.3	11.2548	0.5	2.8731	1.0	0.2346	0.8	0.83	1359	10	1375	7	1400	10	1400	10	97
MT-3	63	125	49539	2.0	11.4730	0.5	2.8322	0.8	0.2358	0.5	0.72	1365	7	1364	6	1363	10	1363	10	100
MT-3	64	60	40182	1.1	8.7104	0.8	5.3992	1.0	0.3412	0.6	0.63	1893	10	1885	9	1876	14	1876	14	101
MT-3	65	56	40055	1.8	11.6036	1.0	2.7995	1.3	0.2357	0.9	0.66	1364	11	1355	10	1341	19	1341	19	102

MT-3	66	93	45487	1.6	10.5156	0.6	3.5167	0.9	0.2683	0.7	0.76	1532	10	1531	7	1529	11	1529	11	100
MT-3	67	234	550080	1.9	11.0999	0.5	3.0869	0.9	0.2486	0.8	0.86	1431	10	1429	7	1427	9	1427	9	100
MT-3	68	258	180615	0.9	11.4966	0.6	2.7415	1.0	0.2287	0.8	0.81	1328	9	1340	7	1359	11	1359	11	98
MT-3	69	134	61142	1.5	9.0154	0.7	4.9621	1.1	0.3246	0.9	0.78	1812	14	1813	9	1814	13	1814	13	100
MT-3	70	87	9294	2.5	11.2803	0.7	3.0366	1.0	0.2485	0.7	0.72	1431	10	1417	8	1396	14	1396	14	103
MT-3	71	133	48661	0.8	11.4894	0.6	2.7835	1.4	0.2320	1.3	0.90	1345	15	1351	10	1360	12	1360	12	99
MT-3	72	204	46187	1.1	11.4201	0.6	2.7170	1.0	0.2251	0.8	0.80	1309	10	1333	8	1372	12	1372	12	95
MT-3	73	401	36610	4.4	10.8790	0.6	2.7355	1.6	0.2159	1.5	0.93	1260	17	1338	12	1465	12	1465	12	86
MT-3	74	160	39824	1.3	11.9625	0.6	2.5317	1.2	0.2197	1.0	0.87	1281	12	1281	8	1282	11	1282	11	100
MT-3	75	136	17012	2.1	11.8121	0.5	2.6907	0.9	0.2306	0.8	0.82	1338	9	1326	7	1307	10	1307	10	102
MT-3	76	109	14267	1.9	11.4841	0.8	2.9052	1.2	0.2421	0.9	0.77	1398	12	1383	9	1361	15	1361	15	103
MT-3	77	139	35639	0.8	12.3449	0.6	2.3033	0.9	0.2063	0.7	0.80	1209	8	1213	7	1221	11	1221	11	99
MT-3	78	521	88706	2.0	12.3129	0.5	2.3394	0.9	0.2090	0.8	0.83	1224	9	1224	7	1226	10	1226	10	100
MT-3	79	338	303641	1.1	11.3466	0.6	2.5489	0.9	0.2098	0.7	0.76	1228	8	1286	7	1385	11	1385	11	89
MT-3	80	124	20588	1.6	12.4064	0.8	2.2879	1.1	0.2060	0.7	0.69	1207	8	1209	8	1211	15	1211	15	100
MT-3	81	16	3063	3.1	11.7257	1.5	2.7549	1.9	0.2344	1.1	0.57	1357	13	1343	14	1321	30	1321	30	103
MT-3	82	115	26420	2.6	11.1605	0.6	3.0960	0.9	0.2507	0.7	0.76	1442	9	1432	7	1416	12	1416	12	102
MT-3	83	144	43434	0.8	11.3006	0.6	2.8802	0.9	0.2362	0.7	0.73	1367	8	1377	7	1392	12	1392	12	98
MT-3	84	227	245806	4.0	11.3542	0.5	2.8988	0.8	0.2388	0.7	0.81	1381	8	1382	6	1383	9	1383	9	100
MT-3	85	44	19080	3.9	11.2674	1.0	2.9201	1.3	0.2387	0.9	0.65	1380	11	1387	10	1398	20	1398	20	99
MT-3	86	26	24472	2.4	10.9743	1.1	3.2553	1.4	0.2592	0.9	0.62	1486	12	1470	11	1448	21	1448	21	103
MT-3	87	73	108976	0.9	9.2298	0.7	4.8132	1.3	0.3223	1.1	0.84	1801	17	1787	11	1771	13	1771	13	102
MT-3	88	145	26897	1.3	11.1351	0.6	3.0829	1.0	0.2491	0.8	0.79	1434	10	1428	8	1421	12	1421	12	101
MT-3	89	299	66536	1.8	10.9414	0.5	3.0601	0.8	0.2429	0.7	0.80	1402	8	1423	6	1454	9	1454	9	96
MT-3	90	161	68227	1.0	11.6033	0.7	2.6640	1.2	0.2243	1.0	0.81	1304	11	1319	9	1341	13	1341	13	97
MT-3	91	70	50098	3.4	5.0756	0.9	13.1611	1.6	0.4847	1.3	0.82	2548	27	2691	15	2801	15	2801	15	91
MT-3	92	173	64480	0.5	11.6482	0.5	2.6913	1.0	0.2275	0.9	0.86	1321	11	1326	8	1334	10	1334	10	99
MT-3	93	173	414613	1.1	11.5374	0.6	2.8003	1.0	0.2344	0.8	0.81	1358	10	1356	8	1352	12	1352	12	100
MT-3	94	208	462632	1.8	9.2089	0.4	4.7018	0.7	0.3142	0.6	0.79	1761	9	1768	6	1775	8	1775	8	99
MT-3	95	119	16433	1.1	9.2929	0.6	4.6275	1.0	0.3120	0.8	0.77	1751	12	1754	8	1759	11	1759	11	100
MT-3	96	228	70843	1.3	11.5358	0.5	2.8257	0.8	0.2365	0.7	0.80	1369	8	1362	6	1353	10	1353	10	101
MT-3	97	112	2873475	1.4	11.7594	0.7	2.7162	1.1	0.2318	0.8	0.75	1344	10	1333	8	1316	14	1316	14	102
MT-3	98	96	14751	1.4	13.0300	1.0	2.0900	1.2	0.1976	0.8	0.63	1162	8	1146	8	1114	19	1114	19	104
MT-3	99	310	346422	1.3	11.4679	0.6	2.7055	1.1	0.2251	0.9	0.83	1309	11	1330	8	1364	11	1364	11	96
MT-3	100	98	29393	1.7	12.0314	0.8	2.5508	1.3	0.2227	0.9	0.75	1296	11	1287	9	1271	16	1271	16	102
MT-3	101	220	390456	2.7	12.2278	0.5	2.3719	1.0	0.2104	0.9	0.87	1231	10	1234	7	1239	10	1239	10	99
MT-3	102	44	8828	2.8	11.8141	0.9	2.5870	1.3	0.2218	0.9	0.69	1291	10	1297	9	1307	18	1307	18	99
MT-3	103	327	63703	3.3	11.5331	0.5	2.7296	0.8	0.2284	0.7	0.82	1326	8	1337	6	1353	9	1353	9	98
MT-3	104	61	21373	1.8	11.4618	0.7	2.7796	1.1	0.2312	0.9	0.79	1341	11	1350	8	1365	13	1365	13	98
MT-3	105	255	178188	2.8	11.6531	0.6	2.7611	0.9	0.2335	0.7	0.79	1353	9	1345	7	1333	11	1333	11	101
MT-3	106	158	85103	2.0	9.2638	0.6	4.8330	0.9	0.3249	0.7	0.78	1813	11	1791	8	1764	11	1764	11	103
MT-3	107	409	35629	1.0	12.1676	0.6	2.1356	1.0	0.1885	0.9	0.83	1113	9	1160	7	1249	11	1249	11	89
MT-3	108	148	32209	1.8	11.4237	0.5	2.8629	1.3	0.2373	1.2	0.91	1373	15	1372	10	1372	10	1372	10	100
MT-3	109	30	5815	5.3	11.0274	1.6	3.0821	1.9	0.2466	1.0	0.53	1421	13	1428	15	1439	31	1439	31	99
MT-3	110	590	61737	7.6	13.6837	0.5	1.7641	0.9	0.1751	0.7	0.80	1040	7	1032	6	1015	11	1015	11	102
MT-3	111	123	63040	3.4	10.2678	0.6	3.6306	0.9	0.2705	0.7	0.76	1543	10	1556	7	1574	11	1574	11	98
MT-3	112	39	24605	2.9	11.1179	0.8	3.1322	1.2	0.2527	0.9	0.77	1452	12	1441	9	1424	15	1424	15	102
MT-3	113	254	275371	3.9	11.2039	0.7	3.0330	1.0	0.2466	0.7	0.74	1421	9	1416	8	1409	13	1409	13	101
MT-3	114	283	74861	2.3	11.2450	0.5	2.9795	1.1	0.2431	0.9	0.89	1403	12	1402	8	1402	9	1402	9	100
MT-3	115	44	38207	1.9	10.6964	1.0	3.4062	1.4	0.2644	0.9	0.67	1512	13	1506	11	1497	19	1497	19	101
MT-3	116	148	54746	1.1	9.2949	0.5	4.6802	1.0	0.3156	0.9	0.86	1768	14	1764	9	1758	10	1758	10	101
MT-3	117	417	251386	0.9	11.4831	0.5	2.7241	0.8	0.2270	0.7	0.80	1319	8	1335	6	1362	10	1362	10	97
MT-3	118	64	42556	1.5	12.3806	1.0	2.3125	1.4	0.2077	1.0	0.73	1217	11	1216	10	1215	19	1215	19	100
MT-3	119	28	9441	1.9	11.1901	1.2	3.0372	1.5	0.2466	0.9	0.61	1421	12	1417	12	1411	23	1411	23	101
MT-3	120	185	688943	2.7	8.7834	0.5	5.1667	1.0	0.3293	0.8	0.86	1835	13	1847	8	1861	9	1861	9	99
MT-3	121	45	41048	1.5	11.5271	0.9	2.8260	1.3	0.2364	1.0	0.73	1368	12	1362	10	1354	18	1354	18	101
MT-3	122	160	61821	2.3	12.1922	0.7	2.3979	1.2	0.2121	0.9	0.76	1240	10	1242	8	1245	15	1245	15	100
MT-3	123	232	41123	1.7	11.9307	0.6	2.5449	1.0	0.2203	0.8	0.81	1283	10	1285	8	1287	12	1287	12	100
MT-3	124	137	16335	1.2	11.6294	0.6	2.7796	1.0	0.2345	0.9	0.82	1358	10	1350	8	1337	12	1337	12	102
MT-3	125	159	33240	1.1	11.1453	0.5	3.0701	0.8	0.2483	0.7	0.84	1430	9	1425	6	1419	9	1419	9	101
MT-3	126	213	321835	2.2	11.4835	0.6	2.7603	1.1	0.2300	0.9	0.81	1334	10	1345	8	1361	12	1361	12	98
MT-3	127	151	32790	1.6	11.1632	0.7	2.9995	1.0	0.2430	0.8	0.76	1402	10	1407	8	1416	13	1416	13	99
MT-3	128	120	73705	1.6	12.7644	0.8	2.1403	1.2	0.1982	0.9	0.74	1166	9	1162	8	1155	16	1155	16	101
MT-3	129	171	97383	2.6	11.1489	0.5	2.9069	1.0	0.2352	0.9	0.87	1361	11	1384	8	1418	10	1418	10	96
MT-3	130	186	224899	1.6	8.3235	0.5	5.8156	1.1	0.3512	1.0	0.89	1940	16	1949	9	1958	9	1958	9	99
MT-3	131	173	34876	2.2	11.1189	0.6	3.0743	1.0	0.2480	0.8	0.83	1428	11	1426	8	1423	11	1423	11	100
MT-3	132	73	26914	1.7	9.3933	0.7	4.4824	1.2	0.3055	1.0	0.79	1719	14	1728	10	1739	14	1739	14	99

MT-3	133	189	61051	3.3	8.3623	0.6	5.8330	1.0	0.3539	0.8	0.81	1953	13	1951	8	1949	10	1949	10	100
MT-3	134	195	158354	1.6	11.5878	0.7	2.8448	1.1	0.2392	0.9	0.77	1382	11	1367	8	1344	14	1344	14	103
MT-3	135	133	265854	0.9	11.1029	0.7	3.0778	1.2	0.2479	0.9	0.77	1428	12	1427	9	1426	14	1426	14	100
MT-3	136	259	829094	1.7	11.8524	0.5	2.5704	1.0	0.2210	0.8	0.83	1287	10	1292	7	1300	11	1300	11	99
MT-3	137	197	228051	1.7	9.2779	0.7	4.7083	1.1	0.3170	0.9	0.80	1775	14	1769	9	1761	12	1761	12	101
MT-3	138	152	35962	3.9	11.0545	0.8	3.0643	1.3	0.2458	1.1	0.82	1417	14	1424	10	1434	14	1434	14	99
MT-3	139	233	281185	4.0	11.0579	0.7	3.0612	1.0	0.2456	0.8	0.77	1416	10	1423	8	1434	12	1434	12	99
MT-3	140	93	26847	1.4	10.4175	0.6	3.6324	1.1	0.2746	0.9	0.83	1564	13	1557	9	1547	12	1547	12	101
MT-3	141	59	14924	5.5	10.6693	0.9	3.4647	1.2	0.2682	0.9	0.71	1532	12	1519	10	1502	16	1502	16	102
MT-3	142	228	356116	1.2	9.2360	0.5	4.7897	1.0	0.3210	0.9	0.86	1795	14	1783	9	1770	10	1770	10	101
MT-3	143	89	26080	2.0	11.2427	0.7	2.9873	1.2	0.2437	1.0	0.79	1406	12	1404	9	1402	14	1402	14	100
MT-3	144	244	49570	1.9	11.2589	0.6	2.9662	1.0	0.2423	0.8	0.80	1399	11	1399	8	1399	12	1399	12	100
MT-3	145	346	531831	3.8	11.8281	0.6	2.5684	0.9	0.2204	0.7	0.77	1284	8	1292	7	1304	11	1304	11	98
MT-3	146	314	67289	2.7	12.2597	0.6	2.3411	1.1	0.2082	1.0	0.84	1219	11	1225	8	1234	12	1234	12	99
MT-3	147	108	48137	2.6	11.2955	0.7	2.8921	1.0	0.2370	0.8	0.77	1371	10	1380	8	1393	13	1393	13	98
MT-3	148	149	52841	3.7	7.2596	0.4	7.6833	1.1	0.4047	1.0	0.93	2191	19	2195	10	2198	7	2198	7	100
MT-3	149	101	18856	2.6	12.4019	0.9	2.3574	1.3	0.2121	1.0	0.74	1240	11	1230	9	1212	17	1212	17	102
MT-3	150	282	70385	2.7	12.4990	0.8	2.1235	1.3	0.1926	1.0	0.80	1135	10	1156	9	1196	15	1196	15	95
MT-3	151	49	16392	1.9	11.5379	0.9	2.7946	1.3	0.2340	0.9	0.74	1355	12	1354	10	1352	17	1352	17	100
MT-3	152	283	92047	1.3	11.9691	0.5	2.5402	0.9	0.2206	0.8	0.85	1285	9	1284	7	1281	9	1281	9	100
MT-3	153	92	533605	1.1	9.7076	0.7	4.3043	1.0	0.3032	0.8	0.76	1707	12	1694	8	1678	12	1678	12	102
MT-3	154	223	75606	1.2	9.3377	0.6	4.5104	0.9	0.3056	0.7	0.77	1719	11	1733	8	1750	11	1750	11	98
MT-3	155	133	66922	3.1	11.0219	0.6	3.1649	1.1	0.2531	0.9	0.82	1454	11	1449	8	1440	12	1440	12	101
MT-3	156	190	63578	1.4	9.2363	0.5	4.6869	1.1	0.3141	1.0	0.90	1761	16	1765	9	1770	9	1770	9	100
MT-3	157	144	383176	1.2	9.4063	0.5	4.5615	1.0	0.3113	0.9	0.88	1747	14	1742	9	1736	9	1736	9	101
MT-3	158	261	46670	2.1	10.7189	0.5	3.2807	1.0	0.2552	0.8	0.86	1465	11	1476	8	1493	9	1493	9	98
MT-3	159	32	174666	1.8	11.1973	1.1	2.9227	1.6	0.2375	1.1	0.71	1373	14	1388	12	1410	21	1410	21	97
MT-3	160	293	1105604	6.5	9.3697	0.5	4.5914	0.9	0.3121	0.7	0.81	1751	11	1748	8	1743	10	1743	10	100
MT-3	161	308	79853	1.7	9.6212	0.6	4.2804	0.9	0.2988	0.7	0.78	1685	10	1690	7	1695	10	1695	10	99
MT-3	162	196	71885	1.4	12.3939	0.6	2.3217	1.0	0.2088	0.8	0.81	1222	9	1219	7	1213	11	1213	11	101
MT-3	163	117	49267	1.0	11.7551	0.7	2.7198	1.1	0.2320	0.8	0.73	1345	9	1334	8	1316	14	1316	14	102
MT-3	164	169	37916	2.9	11.0792	0.6	3.0989	0.8	0.2491	0.6	0.71	1434	8	1432	6	1430	11	1430	11	100
MT-3	165	200	38073	0.9	11.6025	0.6	2.6818	1.0	0.2258	0.8	0.76	1312	9	1323	7	1342	13	1342	13	98
MT-3	166	448	18591	1.8	10.3576	0.5	3.3357	1.2	0.2507	1.0	0.89	1442	13	1489	9	1558	10	1558	10	93
MT-3	167	131	25417	1.6	12.5514	0.8	2.2174	1.1	0.2019	0.8	0.68	1186	8	1187	8	1188	16	1188	16	100
MT-3	168	176	22175	2.9	11.8666	0.7	2.6007	1.1	0.2239	0.9	0.79	1303	10	1301	8	1298	13	1298	13	100
MT-3	169	293	180536	2.8	11.0729	0.6	3.1104	1.0	0.2499	0.8	0.78	1438	10	1435	8	1431	12	1431	12	100
MT-3	170	142	757315	3.3	11.1535	0.7	3.1308	1.1	0.2534	0.8	0.79	1456	11	1440	8	1417	13	1417	13	103
MT-3	171	493	116378	4.9	11.2395	0.5	3.0061	1.0	0.2452	0.8	0.83	1413	11	1409	8	1403	11	1403	11	101
MT-3	172	89	13184	0.9	11.6382	0.7	2.7501	1.1	0.2322	0.8	0.72	1346	9	1342	8	1336	14	1336	14	101
MT-3	173	108	18061	1.8	11.2639	0.7	3.0683	1.2	0.2508	1.0	0.82	1442	12	1425	9	1399	13	1399	13	103
MT-3	174	16	12964	1.7	11.3044	1.3	3.0330	1.6	0.2488	1.0	0.58	1432	12	1416	13	1392	26	1392	26	103
MT-3	175	228	313779	1.4	11.3044	0.6	2.9750	1.1	0.2440	0.9	0.84	1408	12	1401	8	1392	12	1392	12	101
MT-3	176	136	61371	2.1	11.4632	0.6	2.7783	0.9	0.2311	0.7	0.78	1340	8	1350	7	1365	11	1365	11	98
MT-3	177	102	9203	1.2	11.5263	0.9	2.7826	1.3	0.2327	0.9	0.71	1349	11	1351	10	1354	17	1354	17	100
MT-3	178	133	22900	1.8	11.0426	0.8	3.1728	1.1	0.2542	0.8	0.72	1460	11	1451	9	1436	15	1436	15	102
MT-3	179	245	207190	2.4	11.1722	0.5	3.0245	0.8	0.2452	0.7	0.83	1414	9	1414	6	1414	9	1414	9	100
MT-3	180	317	67590	1.7	11.6831	0.5	2.6084	0.8	0.2211	0.7	0.82	1288	8	1303	6	1328	9	1328	9	97
MT-3	181	108	26903	1.4	11.5770	0.6	2.7999	1.0	0.2352	0.8	0.81	1362	10	1356	7	1346	11	1346	11	101
MT-3	182	173	61261	0.7	9.1987	0.5	4.6430	0.8	0.3099	0.7	0.84	1740	11	1757	7	1777	8	1777	8	98
MT-3	183	218	44209	2.9	11.1168	0.4	3.1022	0.8	0.2502	0.7	0.86	1440	9	1433	6	1424	8	1424	8	101
MT-3	184	52	8244	0.7	12.0315	0.9	2.5942	1.2	0.2265	0.8	0.67	1316	9	1299	8	1271	17	1271	17	104
MT-3	185	87	11334	1.7	12.7104	0.8	2.1560	1.1	0.1988	0.7	0.69	1169	8	1167	7	1163	16	1163	16	101
MT-3	186	193	45828	1.9	11.0411	0.6	3.0669	0.9	0.2457	0.7	0.74	1416	9	1424	7	1437	12	1437	12	99
MT-3	187	69	33860	2.2	11.0339	0.8	3.0945	1.2	0.2477	0.9	0.75	1427	11	1431	9	1438	15	1438	15	99
MT-3	188	216	78396	2.9	10.9458	0.5	3.0731	0.9	0.2441	0.7	0.84	1408	9	1426	7	1453	9	1453	9	97
MT-3	189	214	27171	2.2	11.1548	0.5	3.0675	0.8	0.2483	0.7	0.78	1430	8	1425	6	1417	10	1417	10	101
MT-3	190	76	21513	1.2	10.8435	0.6	3.2205	0.9	0.2534	0.7	0.72	1456	9	1462	7	1471	12	1471	12	99
MT-3	191	102	25046	1.3	9.8231	0.7	4.0226	1.1	0.2867	0.8	0.76	1625	12	1639	9	1656	13	1656	13	98
MT-3	192	181	147970	2.4	11.1957	0.6	2.9840	0.9	0.2424	0.7	0.77	1399	9	1404	7	1410	11	1410	11	99
MT-3	193	198	90021	1.3	9.1510	0.6	4.8020	1.4	0.3188	1.2	0.90	1784	19	1785	12	1787	11	1787	11	100
MT-3	194	67	28833	1.4	9.2354	0.6	4.7208	0.9	0.3163	0.7	0.74	1772	10	1771	8	1770	11	1770	11	100
MT-3	195	99	28995	0.7	12.5445	0.6	2.2073	1.3	0.2009	1.1	0.86	1180	12	1183	9	1189	13	1189	13	99
MT-3	196	141	30967	1.1	11.9809	0.6	2.5903	1.0	0.2252	0.8	0.78	1309	9	1298	7	1279	12	1279	12	102
MT-3	197	112	34764	2.1	11.6787	0.6	2.7287	0.9	0.2312	0.6	0.72	1341	7	1336	6	1329	11	1329	11	101
MT-3	198	95	39635	2.2	11.0012	0.8	3.1474	1.2	0.2512	0.8	0.71	1445	11	1444	9	1444	16	1444	16	100
MT-3	199	111	29284	1.4	11.7659	0.8	2.5713	1.2	0.2195	0.9	0.75	1279	10	1293	9	1314	15	1314	15	97

MT-3	200	60	12228	3.9	11.3440	0.8	2.9725	1.2	0.2447	0.9	0.75	1411	12	1401	9	1385	16	1385	16	102
MT-3	201	116	14337	2.6	12.4856	0.6	2.3338	0.9	0.2114	0.7	0.74	1236	8	1223	6	1198	12	1198	12	103
MT-3	202	180	150662	1.3	9.3488	0.7	4.4875	1.0	0.3044	0.8	0.74	1713	12	1729	9	1748	13	1748	13	98
MT-3	203	277	59748	90.4	12.3632	0.7	2.3159	1.2	0.2077	1.0	0.82	1217	11	1217	8	1218	13	1218	13	100
MT-3	204	77	13861	2.7	11.0437	1.0	3.1177	1.2	0.2498	0.8	0.63	1438	10	1437	9	1436	18	1436	18	100
MT-3	205	70	12409	3.9	10.6563	0.9	3.4126	1.2	0.2639	0.8	0.64	1510	11	1507	10	1504	18	1504	18	100
MT-3	206	56	17033	0.8	8.7856	0.5	5.4709	1.0	0.3488	0.9	0.85	1929	14	1896	9	1861	10	1861	10	104
MT-3	207	186	245963	1.4	10.9838	0.6	3.0527	0.9	0.2433	0.7	0.76	1404	9	1421	7	1447	11	1447	11	97
MT-3	208	144	38412	2.9	12.3474	0.6	2.3751	1.1	0.2128	0.9	0.84	1244	11	1235	8	1220	12	1220	12	102
MT-3	209	227	45353	5.2	11.0892	0.6	3.0550	1.1	0.2458	0.9	0.82	1417	12	1421	9	1428	12	1428	12	99
MT-3	210	204	60874	1.5	11.0025	0.6	3.0150	0.9	0.2407	0.7	0.79	1390	9	1411	7	1443	11	1443	11	96
MT-3	211	369	77402	2.7	10.7358	0.5	3.2387	0.9	0.2523	0.8	0.87	1450	11	1466	7	1490	9	1490	9	97
MT-3	212	197	245812	2.5	11.0907	0.5	3.0859	0.9	0.2483	0.7	0.79	1430	9	1429	7	1428	10	1428	10	100
MT-3	213	215	67680	2.4	11.6072	0.6	2.7205	1.1	0.2291	0.9	0.83	1330	11	1334	8	1341	11	1341	11	99
MT-3	214	348	102060	3.9	11.1132	0.5	3.0494	0.9	0.2459	0.8	0.86	1417	10	1420	7	1424	9	1424	9	100
MT-3	215	174	36163	2.9	11.2140	0.6	2.9736	1.0	0.2420	0.8	0.78	1397	10	1401	7	1407	12	1407	12	99
MT-3	216	265	110874	2.9	10.5818	0.5	3.4742	0.8	0.2667	0.7	0.81	1524	9	1521	7	1517	9	1517	9	100
MT-3	217	72	20310	1.9	11.5167	0.7	2.8254	1.0	0.2361	0.7	0.70	1366	9	1362	8	1356	14	1356	14	101
MT-3	218	294	69352	1.3	11.7492	0.6	2.6293	0.8	0.2242	0.6	0.72	1304	7	1309	6	1317	11	1317	11	99
MT-3	219	262	1135098	1.9	11.0810	0.5	3.0436	0.8	0.2447	0.6	0.79	1411	8	1419	6	1430	9	1430	9	99
MT-3	220	186	96042	1.3	9.0055	0.5	4.9326	0.9	0.3223	0.8	0.83	1801	12	1808	8	1816	10	1816	10	99
MT-3	221	265	38694	2.5	11.0826	0.6	2.8280	1.1	0.2274	1.0	0.87	1321	12	1363	8	1430	11	1430	11	92
MT-3	222	237	94197	3.3	11.0385	0.5	3.0490	0.8	0.2442	0.7	0.81	1409	9	1420	6	1437	9	1437	9	98
MT-3	223	191	161516	2.4	12.5393	0.6	2.2280	1.0	0.2027	0.8	0.80	1190	9	1190	7	1190	12	1190	12	100
MT-3	224	146	17835	1.9	11.0894	0.7	3.0510	1.0	0.2455	0.8	0.77	1415	10	1420	8	1428	13	1428	13	99
MT-3	225	133	55646	2.8	11.3435	0.7	2.9293	1.1	0.2411	0.9	0.80	1392	11	1390	8	1385	13	1385	13	101
MT-3	226	294	163903	2.0	11.4135	0.6	2.8483	1.1	0.2359	0.9	0.82	1365	11	1368	8	1373	12	1373	12	99
MT-3	227	190	41239	1.5	11.3184	0.7	2.8581	1.1	0.2347	0.8	0.75	1359	10	1371	8	1389	14	1389	14	98
MT-3	228	173	42559	0.7	8.9991	0.7	5.0234	1.1	0.3280	0.9	0.79	1829	14	1823	9	1817	12	1817	12	101
MT-3	229	311	76154	2.3	11.2724	0.5	2.9349	1.0	0.2400	0.9	0.86	1387	11	1391	8	1397	10	1397	10	99
MT-3	230	119	68365	1.0	11.9675	0.7	2.4410	1.1	0.2120	0.9	0.79	1239	10	1255	8	1281	13	1281	13	97
MT-3	231	450	46931	1.7	5.6329	0.5	11.4525	0.9	0.4681	0.8	0.85	2475	17	2561	9	2629	8	2629	8	94
MT-3	232	134	37297	1.1	12.5778	0.8	2.2729	1.1	0.2074	0.8	0.73	1215	9	1204	8	1184	15	1184	15	103
MT-3	233	132	72737	2.5	9.1562	0.5	4.7725	1.0	0.3171	0.9	0.88	1775	14	1780	8	1786	9	1786	9	99
MT-3	234	110	131230	1.5	10.9413	0.7	3.0774	1.3	0.2443	1.1	0.83	1409	14	1427	10	1454	14	1454	14	97
MT-3	235	254	80558	4.4	10.3407	0.5	3.3625	1.3	0.2523	1.2	0.93	1450	15	1496	10	1561	9	1561	9	93
MT-3	236	212	48615	1.2	11.5646	0.7	2.7432	1.1	0.2302	0.8	0.78	1335	10	1340	8	1348	13	1348	13	99
MT-3	237	89	54450	0.8	8.2213	0.7	6.1034	1.1	0.3641	0.9	0.81	2001	16	1991	10	1980	12	1980	12	101
MT-3	238	91	45425	1.3	12.1706	0.6	2.3616	1.0	0.2085	0.7	0.77	1221	8	1231	7	1249	12	1249	12	98
MT-3	239	464	78763	2.5	10.5276	0.7	3.4728	1.1	0.2653	0.9	0.81	1517	12	1521	9	1527	12	1527	12	99
MT-3	240	243	78222	2.4	11.1447	0.7	3.0828	1.1	0.2493	0.9	0.79	1435	12	1428	9	1419	13	1419	13	101
MT-3	241	267	63877	1.1	8.9046	0.5	4.9055	0.9	0.3169	0.8	0.83	1775	12	1803	8	1836	9	1836	9	97
MT-3	242	87	27118	0.8	8.9000	0.6	4.9497	1.1	0.3196	0.9	0.82	1788	14	1811	9	1837	11	1837	11	97
MT-3	243	106	184611	0.8	8.9754	0.6	4.9535	1.0	0.3226	0.8	0.80	1802	13	1811	9	1822	11	1822	11	99
MT-3	244	280	129592	1.5	12.3774	0.5	2.2073	1.0	0.1982	0.9	0.90	1166	10	1183	7	1216	9	1216	9	96
MT-3	245	86	69944	1.1	9.3361	0.8	4.6677	1.3	0.3162	1.0	0.78	1771	15	1761	11	1750	15	1750	15	101
MT-3	246	240	1268310	1.2	10.7608	0.5	3.0880	0.9	0.2411	0.8	0.83	1392	10	1430	7	1486	10	1486	10	94
MT-3	247	187	69520	1.7	7.9325	0.4	6.5297	0.9	0.3758	0.8	0.90	2057	15	2050	8	2043	7	2043	7	101
MT-3	248	53	62089	1.3	9.0536	0.9	4.8858	1.3	0.3210	1.0	0.77	1794	16	1800	11	1806	15	1806	15	99
MT-3	249	473	106819	1.2	11.2590	0.5	2.9208	1.1	0.2386	0.9	0.87	1379	12	1387	8	1399	10	1399	10	99
MT-3	250	458	138131	1.7	11.2964	0.4	2.8903	0.8	0.2369	0.7	0.86	1371	8	1379	6	1393	8	1393	8	98
MT-3	251	98	9244	6.0	10.7351	0.7	3.2059	1.2	0.2497	0.9	0.78	1437	12	1459	9	1490	14	1490	14	96
MT-3	252	256	243271	2.8	11.8239	0.6	2.5790	1.0	0.2213	0.8	0.80	1289	9	1295	7	1305	12	1305	12	99
MT-3	253	136	39875	1.3	11.3460	0.8	2.9176	1.1	0.2402	0.8	0.74	1388	11	1386	9	1385	15	1385	15	100
MT-3	254	68	67136	1.7	11.9350	1.0	2.5590	1.3	0.2216	0.9	0.67	1290	10	1289	10	1287	19	1287	19	100
MT-3	255	211	255976	2.2	11.8309	0.6	2.6539	0.9	0.2278	0.7	0.74	1323	8	1316	7	1304	12	1304	12	101
MT-3	256	188	78595	1.7	6.5270	0.5	9.3699	1.0	0.4437	0.9	0.86	2367	17	2375	9	2381	9	2381	9	99
MT-3	257	187	42722	0.9	12.1523	0.6	2.3696	1.2	0.2089	1.0	0.86	1223	11	1233	8	1252	12	1252	12	98
MT-3	258	103	43422	1.0	11.5994	0.6	2.7121	0.9	0.2283	0.7	0.78	1325	8	1332	7	1342	11	1342	11	99
MT-3	259	96	60558	1.6	11.3585	0.7	2.9489	1.1	0.2430	0.8	0.74	1402	10	1395	8	1382	14	1382	14	101
MT-3	260	101	174507	2.4	10.9992	0.7	3.1011	1.0	0.2475	0.7	0.71	1426	9	1433	8	1444	14	1444	14	99
MT-3	261	198	44859	1.2	8.7875	0.5	5.2452	0.9	0.3344	0.8	0.87	1860	13	1860	8	1860	8	1860	8	100
MT-3	262	426	51994	2.9	11.0072	0.5	3.0240	0.9	0.2415	0.7	0.80	1395	9	1414	7	1443	10	1443	10	97
MT-3	263	346	76276	2.7	11.4734	0.5	2.7300	0.9	0.2273	0.8	0.87	1320	10	1337	7	1363	9	1363	9	97
MT-3	264	44	8986	2.4	11.5027	0.9	2.8342	1.3	0.2365	1.0	0.72	1369	12	1365	10	1358	18	1358	18	101
MT-3	265	157	73655	3.9	11.1395	0.6	3.0226	0.9	0.2443	0.7	0.78	1409	9	1413	7	1420	11	1420	11	99
MT-3	266	366	558359	2.4	8.4731	0.4	5.5730	0.9	0.3426	0.8	0.89	1899	14	1912	8	1926	8	1926	8	99

MT-3	267	274	96880	2.8	12.2136	0.6	2.3372	0.9	0.2071	0.7	0.76	1213	8	1224	7	1242	12	1242	12	98
MT-3	268	358	140265	2.1	12.0617	0.8	1.9685	1.1	0.1723	0.8	0.73	1025	8	1105	8	1266	15	1266	15	81
MT-3	269	33	61562	1.8	10.2017	1.0	3.6256	1.4	0.2684	1.0	0.69	1533	14	1555	11	1586	19	1586	19	97
MT-3	270	259	143546	2.7	11.0189	0.5	3.0057	0.9	0.2403	0.7	0.79	1388	8	1409	6	1441	10	1441	10	96
MT-3	271	243	36696	1.7	9.1499	0.4	4.6304	0.9	0.3074	0.8	0.88	1728	12	1755	8	1787	8	1787	8	97
MT-3	272	171	50922	3.2	11.0258	0.5	3.0847	0.8	0.2468	0.6	0.78	1422	8	1429	6	1439	10	1439	10	99
MT-3	273	218	206884	4.4	10.1345	0.6	3.6671	0.9	0.2697	0.6	0.71	1539	9	1564	7	1598	12	1598	12	96
MT-3	274	304	65958	1.1	11.7545	0.7	2.6140	0.9	0.2229	0.7	0.71	1297	8	1305	7	1316	13	1316	13	99
MT-3	275	194	77932	2.1	12.7765	0.7	2.1356	1.0	0.1980	0.7	0.73	1164	8	1160	7	1153	14	1153	14	101
MT-3	276	146	79043	2.1	10.9202	0.7	3.1364	1.1	0.2485	0.9	0.77	1431	11	1442	9	1458	14	1458	14	98
MT-3	277	112	37185	2.0	11.3006	0.6	2.9565	1.1	0.2424	0.9	0.83	1399	11	1397	8	1392	11	1392	11	100
MT-3	278	189	62897	0.7	9.2142	0.5	4.6225	0.9	0.3090	0.7	0.80	1736	11	1753	7	1774	10	1774	10	98
MT-3	279	180	74511	0.8	8.6735	0.6	5.2842	1.0	0.3326	0.9	0.82	1851	14	1866	9	1884	11	1884	11	98
MT-3	280	235	79118	2.7	11.1128	0.5	3.0596	0.8	0.2467	0.7	0.80	1421	8	1423	6	1424	9	1424	9	100
MT-3	281	404	1745304	3.1	9.3241	0.6	4.5006	1.1	0.3045	0.9	0.83	1714	14	1731	9	1752	12	1752	12	98
MT-3	282	170	71581	1.0	11.5965	0.6	2.7166	1.1	0.2286	0.9	0.82	1327	11	1333	8	1343	12	1343	12	99
MT-3	283	90	8372	0.8	12.5627	0.6	2.2610	1.1	0.2061	0.9	0.81	1208	10	1200	8	1186	13	1186	13	102
MT-3	284	183	70138	1.0	9.0086	0.5	4.7557	0.9	0.3109	0.8	0.87	1745	12	1777	8	1815	8	1815	8	96
MT-3	285	47	9074	0.7	11.2880	0.8	3.0117	1.2	0.2467	0.9	0.77	1421	12	1411	9	1394	15	1394	15	102
MT-3	286	300	76887	1.8	12.5158	0.5	2.1926	0.9	0.1991	0.7	0.82	1171	7	1179	6	1194	10	1194	10	98
MT-3	287	163	80258	2.2	11.5724	0.7	2.7173	1.0	0.2282	0.7	0.72	1325	9	1333	7	1347	13	1347	13	98
MT-3	288	466	57323	2.8	10.8311	0.7	3.0231	1.2	0.2376	1.0	0.81	1374	12	1413	9	1473	13	1473	13	93
MT-3	289	263	41043	2.1	11.4192	0.6	2.7672	0.9	0.2293	0.7	0.75	1331	8	1347	7	1372	11	1372	11	97
MT-3	290	154	77802	2.4	10.9813	0.8	3.1132	1.2	0.2481	0.9	0.76	1428	11	1436	9	1447	15	1447	15	99
MT-3	291	141	65245	1.3	9.1013	0.5	4.7704	0.9	0.3150	0.7	0.80	1765	11	1780	7	1797	10	1797	10	98
MT-3	292	149	66763	1.7	11.5090	0.7	2.7094	1.2	0.2263	0.9	0.76	1315	10	1331	9	1357	14	1357	14	97
MT-3	293	116	31113	1.8	10.4755	0.9	3.3728	1.2	0.2564	0.8	0.66	1471	10	1498	9	1536	17	1536	17	96
MT-3	294	174	272736	4.3	11.7412	0.6	2.6241	1.0	0.2236	0.8	0.83	1301	10	1307	7	1319	11	1319	11	99
MT-3	295	128	46514	3.9	11.1386	0.7	3.0477	1.1	0.2463	0.8	0.75	1419	11	1420	9	1420	14	1420	14	100
MT-3	296	74	25330	2.4	10.9503	0.7	3.1550	1.3	0.2507	1.1	0.83	1442	14	1446	10	1452	14	1452	14	99
MT-3	297	119	75594	1.1	9.1552	0.7	4.3617	3.4	0.2897	3.3	0.98	1640	48	1705	28	1786	13	1786	13	92
MT-3	298	183	36208	3.4	11.1106	0.5	3.0688	0.9	0.2474	0.7	0.81	1425	9	1425	7	1425	10	1425	10	100
MT-3	299	114	38267	2.6	7.4983	0.7	7.2930	1.0	0.3968	0.8	0.76	2154	14	2148	9	2142	12	2142	12	101
MT-3	300	326	141119	4.2	10.2790	0.5	3.5995	0.9	0.2685	0.8	0.83	1533	10	1549	7	1572	9	1572	9	98
MT-3	301	221	166720	1.1	11.4765	0.7	2.8020	1.1	0.2333	0.8	0.78	1352	10	1356	8	1363	13	1363	13	99
MT-3	302	110	29755	2.6	10.6210	0.7	3.4507	1.2	0.2659	1.0	0.81	1520	13	1516	10	1510	13	1510	13	101
MT-3	303	288	85991	1.1	11.1929	0.5	2.7962	0.9	0.2271	0.7	0.83	1319	9	1355	7	1411	10	1411	10	94
MT-3	304	95	42371	1.1	11.6835	0.9	2.6681	1.2	0.2262	0.9	0.71	1314	10	1320	9	1328	17	1328	17	99
MT-3	305	95	121590	2.5	10.9626	0.8	3.0928	1.3	0.2460	1.1	0.81	1418	13	1431	10	1450	15	1450	15	98
MT-3	306	164	22388	2.4	11.2099	0.6	2.9697	1.1	0.2416	0.9	0.81	1395	11	1400	8	1408	12	1408	12	99
MT-3	307	97	60283	2.1	11.0211	0.7	3.1219	1.1	0.2497	0.8	0.77	1437	11	1438	8	1440	13	1440	13	100
MT-3	308	84	66555	0.6	11.4946	0.7	2.8208	1.1	0.2353	0.8	0.75	1362	10	1361	8	1360	14	1360	14	100
MT-3	309	114	23701	1.6	9.3110	0.7	4.7791	1.1	0.3229	0.9	0.82	1804	15	1781	10	1755	12	1755	12	103
MT-3	310	124	19352	2.3	10.9800	0.6	3.1590	1.0	0.2517	0.8	0.77	1447	10	1447	8	1447	12	1447	12	100
MT-3	311	182	82346	1.6	11.0185	0.6	3.1885	1.0	0.2549	0.8	0.79	1464	10	1454	7	1441	11	1441	11	102

MT-4	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
MT-4	1	197	70864	1.4	8.9951	0.6	4.7141	1.0	0.3077	0.8	0.83	1729	13	1770	9	1818	11	1818	11	95
MT-4	2	147	425553	1.8	9.1505	0.6	4.6005	1.0	0.3054	0.8	0.82	1718	12	1749	8	1787	11	1787	11	96
MT-4	3	82	27862	1.7	10.6345	0.7	3.3500	0.9	0.2585	0.6	0.69	1482	8	1493	7	1508	12	1508	12	98
MT-4	4	2059	1999	3.1	6.2544	0.9	1.6064	1.6	0.0729	1.4	0.84	454	6	973	10	2454	15	2454	15	18
MT-4	5	228	86293	2.6	9.1870	0.6	4.7116	1.0	0.3141	0.8	0.79	1761	12	1769	9	1779	11	1779	11	99
MT-4	6	302	69965	1.0	9.1005	0.6	4.5438	1.1	0.3000	0.9	0.85	1691	14	1739	9	1797	10	1797	10	94
MT-4	7	101	48203	2.4	9.2379	0.7	4.7343	1.1	0.3173	0.9	0.80	1777	13	1773	9	1769	12	1769	12	100
MT-4	8	404	1364158	1.8	9.0703	0.6	4.7375	1.0	0.3118	0.8	0.80	1749	12	1774	9	1803	11	1803	11	97
MT-4	9	169	186919	0.8	9.2401	0.4	4.6144	0.9	0.3094	0.8	0.88	1738	13	1752	8	1769	8	1769	8	98
MT-4	10	144	434216	1.3	9.2471	0.6	4.8880	1.2	0.3280	1.1	0.88	1828	17	1800	10	1768	11	1768	11	103
MT-4	11	210	86406	1.7	9.2979	0.6	4.5506	1.0	0.3070	0.8	0.77	1726	12	1740	8	1758	12	1758	12	98
MT-4	12	168	874715	1.2	10.6560	0.6	3.3520	1.0	0.2592	0.7	0.76	1486	10	1493	7	1504	12	1504	12	99
MT-4	13	167	72218	2.4	9.1402	0.6	4.7441	1.1	0.3146	1.0	0.85	1763	15	1775	10	1789	11	1789	11	99
MT-4	14	51	17211	1.4	10.7325	0.7	3.2479	1.1	0.2529	0.9	0.80	1454	12	1469	9	1491	13	1491	13	98
MT-4	15	178	76213	2.2	9.1953	0.7	4.6375	1.2	0.3094	1.0	0.85	1738	16	1756	10	1778	12	1778	12	98
MT-4	16	242	34731	2.0	10.2494	0.7	3.4147	1.1	0.2539	0.8	0.73	1459	10	1508	9	1577	14	1577	14	92
MT-4	17	224	15697	2.7	8.4916	0.8	4.5056	1.3	0.2776	1.0	0.81	1579	14	1732	11	1922	13	1922	13	82
MT-4	18	142	98435	1.4	10.6121	0.7	3.3364	1.1	0.2569	0.9	0.79	1474	12	1490	9	1512	13	1512	13	97
MT-4	19	1555	964	1.1	4.0265	0.7	3.6024	1.5	0.1052	1.3	0.90	645	8	1550	12	3174	10	3174	10	20

MT-4	20	324	86214	1.6	10.4640	0.7	3.3626	1.2	0.2553	1.0	0.82	1466	12	1496	9	1538	13	1538	13	95
MT-4	21	111	45796	2.6	10.6672	0.8	3.3868	1.3	0.2621	1.1	0.81	1501	14	1501	10	1502	15	1502	15	100
MT-4	22	67	96273	1.7	10.6491	0.9	3.4840	1.3	0.2692	0.9	0.70	1537	12	1524	10	1505	17	1505	17	102
MT-4	23	75	38802	1.5	9.2121	0.7	4.5519	1.3	0.3043	1.1	0.85	1712	17	1741	11	1774	13	1774	13	97
MT-4	24	121	75963	1.8	10.5934	0.7	3.2861	1.2	0.2526	1.0	0.80	1452	13	1478	10	1515	14	1515	14	96
MT-4	25	127	102934	1.7	9.2598	0.5	4.5418	1.0	0.3052	0.9	0.86	1717	13	1739	8	1765	10	1765	10	97
MT-4	26	84	96101	1.2	9.2366	0.7	4.6379	1.2	0.3108	1.0	0.83	1745	15	1756	10	1770	12	1770	12	99
MT-4	27	142	77235	1.2	10.6421	0.7	3.3556	1.1	0.2591	0.9	0.77	1485	11	1494	9	1507	13	1507	13	99
MT-4	28	372	108399	2.6	10.1615	0.7	3.7144	1.0	0.2739	0.7	0.71	1560	10	1574	8	1593	13	1593	13	98
MT-4	29	44	16457	1.6	8.6891	0.8	5.1978	1.2	0.3277	0.9	0.75	1827	14	1852	10	1880	14	1880	14	97
MT-4	30	93	82045	1.2	10.5352	0.8	3.4323	1.3	0.2624	1.0	0.78	1502	13	1512	10	1526	15	1526	15	98
MT-4	31	89	237034	1.3	9.0818	0.6	4.9298	1.0	0.3249	0.9	0.83	1813	13	1807	9	1800	11	1800	11	101
MT-4	32	265	2932489	1.4	8.8424	0.7	5.0471	1.2	0.3238	1.1	0.85	1808	17	1827	11	1849	12	1849	12	98
MT-4	33	193	93711	2.3	10.6435	0.5	3.2994	1.0	0.2548	0.9	0.86	1463	11	1481	8	1506	10	1506	10	97
MT-4	34	234	1203993	0.8	9.1562	0.6	4.7426	1.0	0.3151	0.8	0.79	1766	13	1775	9	1786	12	1786	12	99
MT-4	35	153	80301	1.8	9.1882	0.7	4.6991	1.1	0.3133	0.8	0.78	1757	13	1767	9	1779	12	1779	12	99
MT-4	36	83	967703	1.4	9.2398	0.7	4.6577	1.2	0.3123	0.9	0.79	1752	14	1760	10	1769	13	1769	13	99
MT-4	37	136	48889	1.2	9.0620	0.6	4.9554	1.0	0.3258	0.9	0.84	1818	14	1812	9	1804	10	1804	10	101
MT-4	38	123	21511042	1.4	9.2367	0.6	4.5748	1.1	0.3066	0.9	0.85	1724	14	1745	9	1770	10	1770	10	97
MT-4	39	197	123220	1.3	9.2356	0.7	4.5763	1.3	0.3067	1.1	0.84	1724	16	1745	10	1770	13	1770	13	97
MT-4	40	216	439893	1.5	9.1951	0.6	4.5947	1.0	0.3066	0.8	0.80	1724	13	1748	9	1778	12	1778	12	97
MT-4	41	99	42789	1.3	10.5690	0.6	3.3991	1.1	0.2607	0.9	0.83	1493	12	1504	9	1520	12	1520	12	98
MT-4	42	164	106624	1.5	9.2858	0.5	4.6576	1.0	0.3138	0.9	0.89	1759	14	1760	8	1760	8	1760	8	100
MT-4	43	103	34698	1.3	9.3143	0.7	4.7766	1.2	0.3228	0.9	0.80	1803	15	1781	10	1754	13	1754	13	103
MT-4	44	182	92177	1.4	9.1964	0.7	4.6142	1.2	0.3079	1.0	0.82	1730	15	1752	10	1778	13	1778	13	97
MT-4	45	197	144008	1.7	8.6035	0.6	5.5508	1.0	0.3465	0.8	0.79	1918	13	1908	9	1898	11	1898	11	101
MT-4	46	152	257914	1.7	9.2182	0.5	4.5933	1.3	0.3072	1.2	0.92	1727	18	1748	11	1773	9	1773	9	97
MT-4	47	208	73383	2.7	10.6317	0.6	3.3073	1.1	0.2551	1.0	0.86	1465	13	1483	9	1508	11	1508	11	97
MT-4	48	154	65737	1.5	9.1894	0.6	4.8172	1.0	0.3212	0.8	0.82	1796	12	1788	8	1779	10	1779	10	101
MT-4	49	123	123814	1.9	9.1693	0.6	4.6214	1.1	0.3075	0.9	0.82	1728	13	1753	9	1783	11	1783	11	97
MT-4	50	155	151837	1.7	9.2484	0.6	4.6289	1.2	0.3106	1.1	0.86	1744	16	1754	10	1767	11	1767	11	99
MT-4	51	137	53255	2.0	10.6456	0.7	3.3975	1.0	0.2624	0.7	0.69	1502	9	1504	8	1506	13	1506	13	100
MT-4	52	161	61416	1.0	10.7920	0.7	3.3419	1.1	0.2617	0.9	0.81	1498	12	1491	9	1480	13	1480	13	101
MT-4	53	66	233512	1.5	10.6990	0.8	3.3339	1.2	0.2588	0.9	0.75	1484	12	1489	10	1497	15	1497	15	99
MT-4	54	231	473382	1.3	9.0822	0.6	4.9606	1.0	0.3269	0.7	0.76	1823	11	1813	8	1800	11	1800	11	101
MT-4	55	91	39476	1.7	9.2655	0.6	4.5255	1.0	0.3042	0.8	0.78	1712	12	1736	8	1764	11	1764	11	97
MT-4	56	186	3126051	1.5	9.2221	0.5	4.6078	1.1	0.3083	1.0	0.89	1732	15	1751	9	1772	9	1772	9	98
MT-4	57	88	481504	2.3	9.2008	2.2	4.0016	2.5	0.2671	1.2	0.46	1526	16	1635	20	1777	41	1777	41	86
MT-4	58	180	50147	1.3	8.5345	0.6	5.3402	1.1	0.3307	0.9	0.84	1842	15	1875	10	1913	11	1913	11	96
MT-4	59	106	136324	2.3	10.5903	0.7	3.3612	1.2	0.2583	0.9	0.77	1481	12	1495	9	1516	14	1516	14	98
MT-4	60	45	19519	2.0	10.6704	1.0	3.3761	1.4	0.2614	1.0	0.70	1497	13	1499	11	1502	18	1502	18	100
MT-4	61	136	46880	2.8	10.7116	0.5	3.3833	1.1	0.2630	0.9	0.86	1505	12	1501	8	1494	10	1494	10	101
MT-4	62	126	161689	1.2	10.6492	0.7	3.4172	1.0	0.2640	0.8	0.75	1511	10	1508	8	1505	13	1505	13	100
MT-4	63	213	584132	2.1	10.6242	0.6	3.4038	1.0	0.2624	0.8	0.82	1502	11	1505	8	1510	11	1510	11	99
MT-4	64	130	53635	2.5	10.6433	0.6	3.3486	1.0	0.2586	0.7	0.75	1483	10	1492	8	1506	12	1506	12	98
MT-4	65	132	134045	1.3	9.2239	0.8	4.6689	1.3	0.3125	1.0	0.80	1753	16	1762	11	1772	14	1772	14	99
MT-4	66	174	98937	2.3	5.3683	0.5	13.2498	0.8	0.5161	0.6	0.75	2683	13	2698	8	2709	9	2709	9	99
MT-4	67	327	41222	1.6	8.9448	0.5	4.7397	1.1	0.3076	0.9	0.87	1729	14	1774	9	1828	10	1828	10	95
MT-4	68	112	98241	1.3	9.0819	0.6	4.7526	1.0	0.3132	0.7	0.75	1756	11	1777	8	1800	12	1800	12	98
MT-4	69	1167	1707	5.0	5.4620	1.6	2.1469	2.2	0.0851	1.6	0.70	526	8	1164	15	2680	26	2680	26	20
MT-4	70	106	322387	2.2	10.7243	0.7	3.3056	1.2	0.2572	1.0	0.82	1476	13	1482	9	1492	12	1492	12	99
MT-4	71	77	137926	2.2	9.0769	0.6	4.7649	1.0	0.3138	0.8	0.81	1759	13	1779	9	1801	11	1801	11	98
MT-4	72	116	119218	1.3	6.0540	0.5	11.0997	1.1	0.4876	0.9	0.86	2560	19	2532	10	2509	9	2509	9	102
MT-4	73	280	21689	2.9	8.3543	1.3	5.0065	1.8	0.3035	1.2	0.68	1709	18	1820	15	1951	23	1951	23	88
MT-4	74	185	123985	1.5	9.1386	0.6	4.6622	1.0	0.3091	0.8	0.81	1736	12	1760	8	1789	10	1789	10	97
MT-4	75	172	827165	3.6	9.2538	0.6	4.7689	1.0	0.3202	0.8	0.81	1791	13	1779	9	1766	11	1766	11	101
MT-4	76	83	58001	1.7	10.5589	0.9	3.4085	1.3	0.2611	1.0	0.75	1496	13	1506	10	1521	16	1521	16	98
MT-4	77	82	46546	1.9	10.6510	0.8	3.4425	1.3	0.2660	1.1	0.81	1521	15	1514	11	1505	15	1505	15	101
MT-4	78	68	44520	1.9	10.6688	0.8	3.3261	1.4	0.2575	1.1	0.83	1477	15	1487	11	1502	14	1502	14	98
MT-4	79	80	206853	1.3	8.9731	0.6	5.0197	1.0	0.3268	0.7	0.76	1823	12	1823	8	1822	12	1822	12	100
MT-4	80	92	52888	2.0	9.5466	0.7	4.2849	1.0	0.2968	0.7	0.74	1675	11	1690	8	1709	12	1709	12	98
MT-4	81	139	167067	0.9	9.1657	0.9	4.5884	1.3	0.3052	0.9	0.72	1717	13	1747	10	1784	16	1784	16	96
MT-4	82	77	18959	1.7	10.5197	0.7	3.4850	1.1	0.2660	0.9	0.79	1521	12	1524	9	1528	12	1528	12	99
MT-4	83	99	65665	1.7	8.8417	0.6	5.0341	0.9	0.3230	0.7	0.74	1804	11	1825	8	1849	11	1849	11	98
MT-4	84	315	755209	1.1	9.0554	0.6	4.6589	1.0	0.3061	0.8	0.81	1722	12	1760	8	1806	10	1806	10	95
MT-4	85	1832	1040	3.6	4.1215	0.6	3.6141	1.5	0.1081	1.4	0.92	662	9	1553	12	3137	9	3137	9	21
MT-4	86	88	296940	1.9	9.2856	0.6	4.6702	1.1	0.3147	0.9	0.83	1764	14	1762	9	1760	11	1760	11	100

MT-4	87	224	73961	1.1	9.2048	0.7	4.6967	1.2	0.3137	1.0	0.80	1759	15	1767	10	1776	13	1776	13	99
MT-4	88	165	229456	5.6	9.4967	0.6	4.3640	1.2	0.3007	1.0	0.84	1695	15	1706	10	1719	12	1719	12	99
MT-4	89	156	1878067	1.8	10.5541	0.8	3.4380	1.3	0.2633	1.0	0.79	1507	14	1513	10	1522	15	1522	15	99
MT-4	90	215	101007	1.6	9.1866	0.7	4.5157	1.2	0.3010	0.9	0.82	1696	14	1734	10	1780	12	1780	12	95
MT-4	91	211	58676	1.9	8.7724	0.7	5.0329	1.2	0.3204	1.0	0.84	1791	16	1825	10	1863	12	1863	12	96
MT-4	92	98	27401	2.1	10.6494	0.6	3.3338	1.1	0.2576	1.0	0.86	1478	13	1489	9	1505	11	1505	11	98
MT-4	93	75	49381	1.3	9.2103	0.8	4.6556	1.4	0.3111	1.1	0.80	1746	17	1759	11	1775	15	1775	15	98
MT-4	94	629	166324	1.6	10.4743	0.7	3.4126	1.4	0.2594	1.2	0.88	1487	16	1507	11	1537	12	1537	12	97
MT-4	95	64	34258	2.8	10.3723	0.8	3.6051	1.2	0.2713	0.8	0.70	1547	11	1551	9	1555	16	1555	16	100
MT-4	96	122	14477	1.9	9.2036	1.0	3.6972	1.5	0.2469	1.1	0.75	1422	14	1571	12	1776	18	1776	18	80
MT-4	97	1526	1490	1.7	5.2078	0.6	2.3334	1.3	0.0882	1.2	0.91	545	6	1223	9	2759	9	2759	9	20
MT-4	98	204	49585	1.4	11.3423	0.6	2.5851	1.0	0.2128	0.8	0.77	1243	9	1296	7	1385	12	1385	12	90
MT-4	99	254	457054	1.6	9.2452	0.6	4.6290	1.0	0.3105	0.8	0.80	1743	12	1755	8	1768	11	1768	11	99
MT-4	100	244	39186	1.9	9.0712	0.6	4.5166	1.3	0.2973	1.1	0.86	1678	17	1734	11	1803	12	1803	12	93
MT-4	101	141	54833	4.9	9.4613	0.9	4.6012	1.4	0.3159	1.1	0.78	1770	17	1749	11	1726	16	1726	16	103
MT-4	102	105	103931	2.6	10.4152	0.8	3.6464	1.2	0.2756	0.8	0.72	1569	12	1560	9	1547	15	1547	15	101
MT-4	103	115	14724	2.3	9.5697	0.8	3.7969	1.2	0.2636	0.9	0.77	1508	13	1592	10	1705	14	1705	14	88
MT-4	104	266	3463273	1.6	9.1646	0.6	4.6083	1.2	0.3064	1.0	0.87	1723	16	1751	10	1784	11	1784	11	97
MT-4	105	99	27768	1.9	9.7889	2.1	3.7188	2.3	0.2641	1.0	0.42	1511	13	1575	18	1663	38	1663	38	91
MT-4	106	403	110123	2.9	10.2869	0.6	3.6329	1.1	0.2712	1.0	0.87	1547	13	1557	9	1570	10	1570	10	98
MT-4	107	143	206024	2.9	10.6351	0.6	3.3449	1.1	0.2581	0.9	0.84	1480	12	1492	9	1508	12	1508	12	98
MT-4	108	162	171869	2.2	9.1837	0.6	4.7375	1.2	0.3157	1.1	0.87	1769	17	1774	10	1780	11	1780	11	99
MT-4	109	100	631532	1.5	10.4701	0.7	3.4645	1.2	0.2632	0.9	0.79	1506	12	1519	9	1537	13	1537	13	98
MT-4	110	130	102342	2.0	9.1227	0.7	4.6859	1.2	0.3102	1.0	0.82	1742	15	1765	10	1792	12	1792	12	97
MT-4	111	160	135295	1.1	9.1293	0.6	4.8164	1.3	0.3190	1.1	0.86	1785	17	1788	11	1791	12	1791	12	100
MT-4	112	104	64687	1.7	9.0852	0.5	4.6155	1.1	0.3043	1.0	0.87	1712	14	1752	9	1800	10	1800	10	95
MT-4	113	187	789307	2.5	10.6223	0.6	3.4282	0.9	0.2642	0.7	0.76	1511	9	1511	7	1510	11	1510	11	100
MT-4	114	220	456709	1.4	9.2905	0.6	4.7220	1.0	0.3183	0.7	0.77	1781	12	1771	8	1759	11	1759	11	101
MT-4	115	62	88778	1.4	10.5709	0.9	3.4308	1.3	0.2631	0.9	0.70	1506	12	1511	10	1519	17	1519	17	99
MT-4	116	1833	31174	10.1	10.0338	0.6	3.0766	1.6	0.2240	1.5	0.92	1303	18	1427	13	1617	12	1617	12	81
MT-4	117	134	49297	2.3	10.5229	0.6	3.5096	1.1	0.2680	0.9	0.82	1530	12	1529	8	1528	11	1528	11	100
MT-4	118	182	115114	2.2	10.6725	0.8	3.4038	1.2	0.2636	1.0	0.79	1508	13	1505	10	1501	14	1501	14	100
MT-4	119	110	92370	1.8	9.2723	0.7	4.7412	1.1	0.3190	0.8	0.76	1785	13	1775	9	1763	13	1763	13	101
MT-4	120	61	160098	0.6	10.5451	0.7	3.3894	1.2	0.2593	1.0	0.81	1486	13	1502	9	1524	13	1524	13	98
MT-4	121	140	85283	2.2	9.2515	0.7	4.6773	1.2	0.3140	1.1	0.84	1760	16	1763	10	1767	12	1767	12	100
MT-4	122	200	24044	1.9	9.8374	0.6	3.6469	1.3	0.2603	1.1	0.89	1491	15	1560	10	1654	10	1654	10	90
MT-4	123	157	48351	2.1	9.2324	0.6	4.6706	1.1	0.3129	0.9	0.84	1755	14	1762	9	1770	11	1770	11	99
MT-4	124	84	34231	1.7	9.3773	0.8	4.5911	1.3	0.3124	1.0	0.76	1752	15	1748	11	1742	15	1742	15	101
MT-4	125	103	475359	2.3	10.5531	0.6	3.4393	1.3	0.2634	1.2	0.87	1507	16	1513	10	1522	12	1522	12	99
MT-4	126	236	54285	2.1	9.0595	0.5	4.6762	1.1	0.3074	1.0	0.88	1728	15	1763	9	1805	9	1805	9	96
MT-4	127	160	138520	1.3	9.1422	0.6	4.6317	1.1	0.3072	1.0	0.86	1727	15	1755	9	1788	10	1788	10	97
MT-4	128	205	756995	2.5	9.1884	0.6	4.8808	1.1	0.3254	1.0	0.85	1816	15	1799	9	1779	11	1779	11	102
MT-4	129	48	29280	1.8	10.6676	0.8	3.3853	1.4	0.2620	1.1	0.80	1500	15	1501	11	1502	16	1502	16	100
MT-4	130	143	58578	2.0	9.3076	0.7	4.5617	1.0	0.3081	0.8	0.76	1731	12	1742	9	1756	12	1756	12	99
MT-4	131	112	69909	2.2	10.7669	0.7	3.2991	1.3	0.2577	1.0	0.81	1478	14	1481	10	1485	14	1485	14	100
MT-4	132	133	27364	1.0	9.0719	0.7	4.5675	1.1	0.3006	0.8	0.75	1695	13	1743	9	1802	13	1802	13	94
MT-4	133	280	29103	3.6	9.8750	0.7	3.7063	1.2	0.2656	0.9	0.79	1518	13	1573	9	1647	13	1647	13	92
MT-4	134	155	8133	1.1	9.4097	1.7	3.7998	2.6	0.2594	2.0	0.76	1487	27	1593	21	1736	31	1736	31	86
MT-4	135	238	119422	2.5	10.6048	0.6	3.4252	1.0	0.2636	0.8	0.79	1508	10	1510	8	1513	12	1513	12	100
MT-4	136	112	431083	1.7	10.5517	0.8	3.3986	1.5	0.2602	1.2	0.84	1491	16	1504	11	1523	15	1523	15	98
MT-4	137	524	218765	4.8	10.3587	0.6	3.6893	1.1	0.2773	0.9	0.85	1578	13	1569	9	1557	11	1557	11	101
MT-4	138	310	16058	1.7	9.5181	0.7	3.8441	1.2	0.2655	0.9	0.78	1518	12	1602	10	1715	14	1715	14	89
MT-4	139	103	72871	1.6	10.6146	0.8	3.4452	1.1	0.2653	0.7	0.70	1517	10	1515	8	1511	14	1511	14	100
MT-4	140	36	18106	2.0	9.1227	2.4	4.0921	2.6	0.2709	1.0	0.39	1545	14	1653	21	1792	44	1792	44	86
MT-4	141	242	252663	1.7	10.5317	0.6	3.3975	1.3	0.2596	1.1	0.87	1488	14	1504	10	1526	12	1526	12	97
MT-4	142	225	112375	2.4	10.4345	0.6	3.5141	1.0	0.2661	0.8	0.77	1521	10	1530	8	1544	12	1544	12	99
MT-4	143	179	64133	1.5	9.1601	0.5	4.6066	1.0	0.3062	0.8	0.86	1722	13	1750	8	1785	9	1785	9	96
MT-4	144	273	15534	2.5	8.5881	1.1	4.6095	1.4	0.2872	0.9	0.64	1628	13	1751	12	1901	19	1901	19	86
MT-4	145	300	224986	1.8	10.4457	0.6	3.4669	1.0	0.2628	0.8	0.80	1504	11	1520	8	1542	12	1542	12	98
MT-4	146	144	115374	2.1	9.2081	0.7	4.7165	1.0	0.3151	0.7	0.71	1766	11	1770	8	1775	13	1775	13	99
MT-4	147	96	37177	1.4	10.6690	0.7	3.4316	1.0	0.2656	0.7	0.74	1519	10	1512	8	1502	13	1502	13	101
MT-4	148	227	96414	1.4	9.1189	0.6	4.6275	1.0	0.3062	0.8	0.80	1722	13	1754	9	1793	11	1793	11	96
MT-4	149	146	25646	2.1	8.6764	1.3	4.7154	1.6	0.2969	0.9	0.60	1676	14	1770	13	1883	23	1883	23	89
MT-4	150	203	106816	1.3	9.3174	0.7	4.5569	1.2	0.3081	1.0	0.84	1731	16	1741	10	1754	12	1754	12	99
MT-4	151	103	10552	1.7	8.5058	0.9	5.1543	1.4	0.3181	1.0	0.77	1780	16	1845	12	1919	15	1919	15	93
MT-4	152	234	997610	2.9	9.5362	0.5	4.4370	0.9	0.3070	0.7	0.79	1726	10	1719	7	1711	10	1711	10	101
MT-4	153	137	165384	2.9	10.6282	0.6	3.3892	1.0	0.2614	0.8	0.78	1497	11	1502	8	1509	12	1509	12	99

MT-4	154	89	23352	1.5	9.2870	0.7	4.7047	1.2	0.3170	1.0	0.83	1775	16	1768	10	1760	13	1760	13	101
MT-4	155	139	95564	1.9	9.1781	0.7	4.6640	1.1	0.3106	0.9	0.76	1744	13	1761	10	1781	13	1781	13	98
MT-4	156	201	132617	1.9	9.2878	0.6	4.7118	1.0	0.3175	0.8	0.81	1778	12	1769	8	1760	10	1760	10	101
MT-4	157	73	49214	1.6	10.6152	0.9	3.4618	1.2	0.2666	0.8	0.66	1524	11	1519	10	1511	17	1511	17	101
MT-4	158	129	107362	1.5	10.7159	0.7	3.3066	1.1	0.2571	0.9	0.80	1475	11	1483	8	1494	12	1494	12	99
MT-4	159	241	239501	1.8	9.1368	0.7	4.5569	1.0	0.3021	0.8	0.77	1702	12	1741	9	1789	12	1789	12	95
MT-4	160	122	1147420	1.6	9.1766	0.6	4.7198	1.1	0.3143	0.9	0.84	1762	14	1771	9	1781	11	1781	11	99
MT-4	161	194	111589	4.0	9.4176	0.6	4.4016	1.1	0.3008	1.0	0.85	1695	14	1713	9	1734	11	1734	11	98
MT-4	162	87	101884	1.7	10.5951	0.7	3.4185	1.2	0.2628	0.9	0.79	1504	12	1509	9	1515	13	1515	13	99
MT-4	163	136	81827	1.1	9.2259	0.7	4.7084	1.0	0.3152	0.8	0.75	1766	12	1769	8	1772	12	1772	12	100
MT-4	164	156	38348	1.9	9.2636	0.6	4.6910	1.0	0.3153	0.8	0.80	1767	13	1766	9	1764	11	1764	11	100
MT-4	165	117	112598	2.5	9.2950	0.9	4.6336	1.4	0.3125	1.1	0.78	1753	17	1755	12	1758	16	1758	16	100
MT-4	166	65	51691	1.6	10.5628	0.7	3.4046	1.1	0.2609	0.9	0.77	1495	12	1505	9	1521	14	1521	14	98
MT-4	167	103	60293	2.2	10.6255	0.8	3.4317	1.1	0.2646	0.8	0.70	1513	10	1512	9	1510	15	1510	15	100
MT-4	168	177	185236	1.9	10.4944	0.6	3.6871	0.9	0.2808	0.6	0.72	1595	9	1569	7	1533	12	1533	12	104
MT-4	169	137	1111542	1.5	9.2548	0.7	4.7312	1.2	0.3177	1.0	0.83	1779	15	1773	10	1766	12	1766	12	101
MT-4	170	91	42728	1.4	10.7101	0.8	3.3606	1.3	0.2612	1.0	0.77	1496	14	1495	10	1495	16	1495	16	100
MT-4	171	134	173617	1.2	10.6829	0.5	3.3985	1.0	0.2634	0.8	0.86	1507	11	1504	8	1499	10	1499	10	101
MT-4	172	158	104406	1.2	9.0415	0.6	4.8818	1.2	0.3203	1.1	0.88	1791	16	1799	10	1809	11	1809	11	99
MT-4	173	104	51594	1.2	9.3579	0.6	4.6460	1.3	0.3155	1.1	0.87	1768	17	1758	11	1746	12	1746	12	101
MT-4	174	709	232164	3.2	10.3328	0.5	3.4943	1.3	0.2620	1.2	0.92	1500	16	1526	10	1562	9	1562	9	96
MT-4	175	111	56900	2.2	10.2504	0.7	3.6986	1.2	0.2751	1.0	0.82	1567	14	1571	10	1577	13	1577	13	99
MT-4	176	161	352603	2.2	9.2404	0.4	4.5749	1.1	0.3067	1.0	0.91	1725	15	1745	9	1769	8	1769	8	97
MT-4	177	158	100754	2.3	10.4534	0.6	3.5226	1.4	0.2672	1.3	0.90	1526	17	1532	11	1540	12	1540	12	99
MT-4	178	313	162786	5.3	12.0884	0.7	2.4132	1.2	0.2117	0.9	0.79	1238	10	1247	8	1262	14	1262	14	98
MT-4	179	194	297136	1.8	10.3168	0.6	3.6451	1.1	0.2729	0.9	0.84	1555	12	1559	9	1565	11	1565	11	99
MT-4	180	268	137726	1.1	10.6155	0.6	3.3042	1.1	0.2545	0.9	0.86	1462	12	1482	8	1511	10	1511	10	97
MT-4	181	129	34003	2.1	10.6346	0.6	3.3734	1.2	0.2603	1.0	0.85	1491	13	1498	9	1508	12	1508	12	99
MT-4	182	161	57600	2.3	5.8894	0.5	11.0964	1.1	0.4742	1.0	0.91	2502	21	2531	11	2555	8	2555	8	98
MT-4	183	411	37474	1.2	8.5718	0.6	4.6867	1.2	0.2915	1.0	0.85	1649	14	1765	10	1905	11	1905	11	87
MT-4	184	212	99786	1.3	9.2068	0.7	4.7190	1.1	0.3152	0.9	0.81	1766	14	1771	9	1776	12	1776	12	99
MT-4	185	205	31472	2.1	9.8034	0.9	3.4283	1.2	0.2439	0.8	0.64	1407	10	1511	9	1660	17	1660	17	85
MT-4	186	246	159175	2.4	9.2234	0.7	4.6993	1.2	0.3145	0.9	0.80	1763	14	1767	10	1772	13	1772	13	99
MT-4	187	109	43536	1.6	10.5632	0.6	3.4871	1.0	0.2673	0.8	0.80	1527	11	1524	8	1521	12	1521	12	100
MT-4	188	44	54885	0.6	9.0465	0.7	4.8987	1.1	0.3216	0.8	0.74	1797	13	1802	9	1808	13	1808	13	99
MT-4	189	164	99762	2.5	9.1919	0.6	4.6040	1.0	0.3071	0.8	0.79	1726	13	1750	9	1778	12	1778	12	97
MT-4	190	232	100511	1.6	9.1311	0.6	4.7537	1.1	0.3150	0.9	0.82	1765	14	1777	9	1791	11	1791	11	99
MT-4	191	221	218521	3.8	10.2969	0.8	3.6779	1.1	0.2748	0.8	0.71	1565	11	1567	9	1569	14	1569	14	100
MT-4	192	117	63838	1.6	9.1952	0.7	4.7510	1.1	0.3170	0.9	0.76	1775	13	1776	10	1778	13	1778	13	100
MT-4	193	352	4683183	2.5	10.1336	0.6	3.7400	1.0	0.2750	0.8	0.78	1566	11	1580	8	1599	12	1599	12	98
MT-4	194	168	298240	2.1	10.6525	0.6	3.4493	1.2	0.2666	1.0	0.85	1524	14	1516	10	1505	12	1505	12	101
MT-4	195	155	83730	4.3	10.3473	0.6	3.6252	1.2	0.2722	1.0	0.87	1552	14	1555	9	1559	11	1559	11	100
MT-4	196	221	216593	2.3	10.6182	0.6	3.4222	1.0	0.2637	0.8	0.78	1509	11	1510	8	1511	12	1511	12	100
MT-4	197	150	129245	2.1	9.2886	0.6	4.7071	1.1	0.3172	0.9	0.83	1776	14	1769	9	1759	11	1759	11	101
MT-4	198	107	95060	1.3	10.6689	0.7	3.3776	1.0	0.2615	0.8	0.76	1497	10	1499	8	1502	12	1502	12	100
MT-4	199	128	57120	1.5	9.1639	0.7	4.6832	1.1	0.3114	0.9	0.81	1748	14	1764	9	1784	12	1784	12	98
MT-4	200	304	29260	2.1	9.7019	1.1	3.7161	1.4	0.2616	0.9	0.63	1498	12	1575	11	1679	20	1679	20	89
MT-4	201	66	1990938	0.7	10.5197	0.9	3.3447	1.5	0.2553	1.2	0.81	1466	15	1492	11	1528	16	1528	16	96
MT-4	202	54	85195	1.8	10.6719	0.8	3.4338	1.4	0.2659	1.1	0.79	1520	15	1512	11	1501	16	1501	16	101
MT-4	203	261	282478	1.7	9.1842	0.5	4.6189	1.0	0.3078	0.9	0.85	1730	13	1753	8	1780	10	1780	10	97
MT-4	204	107	96845	1.6	8.8315	0.6	4.9295	1.2	0.3159	1.1	0.87	1770	16	1807	10	1851	11	1851	11	96
MT-4	205	139	40177	1.3	9.1607	0.6	4.7279	1.0	0.3143	0.8	0.83	1762	13	1772	8	1785	10	1785	10	99
MT-4	206	166	76000	3.9	9.5697	0.6	4.3483	1.1	0.3019	0.9	0.81	1701	13	1703	9	1705	12	1705	12	100
MT-4	207	135	43101	2.1	10.5476	0.7	3.4015	1.2	0.2603	1.0	0.82	1491	13	1505	10	1523	13	1523	13	98
MT-4	208	159	84163	1.3	10.5884	0.6	3.3690	1.0	0.2588	0.8	0.80	1484	11	1497	8	1516	11	1516	11	98
MT-4	209	62	23733	2.0	10.5430	0.6	3.3563	1.1	0.2567	0.9	0.81	1473	11	1494	8	1524	12	1524	12	97
MT-4	210	223	59012	1.9	9.1179	0.6	4.7132	1.0	0.3118	0.9	0.82	1750	13	1770	9	1793	11	1793	11	98
MT-4	211	142	366532	2.0	8.6845	0.7	5.2786	1.2	0.3326	1.0	0.81	1851	16	1865	10	1881	13	1881	13	98
MT-4	212	211	105785	2.0	9.1426	0.7	4.6631	1.4	0.3093	1.3	0.88	1737	19	1761	12	1788	12	1788	12	97
MT-4	213	189	81042	1.9	9.0074	0.7	4.7666	1.0	0.3115	0.8	0.75	1748	12	1779	8	1815	12	1815	12	96
MT-4	214	115	42881	2.4	10.4765	0.7	3.4326	1.2	0.2609	1.0	0.81	1495	13	1512	9	1536	13	1536	13	97
MT-4	215	204	88710	1.2	9.1239	0.6	4.5577	1.0	0.3017	0.8	0.79	1700	12	1742	8	1792	11	1792	11	95
MT-4	216	163	108726	2.9	10.5973	0.6	3.3732	1.2	0.2594	1.0	0.85	1487	13	1498	9	1515	11	1515	11	98
MT-4	217	230	177861	3.1	10.3663	0.6	3.5830	1.1	0.2695	0.9	0.84	1538	13	1546	9	1556	11	1556	11	99
MT-4	218	237	539170	3.2	9.5614	0.6	4.3360	1.1	0.3008	0.9	0.82	1695	13	1700	9	1706	11	1706	11	99
MT-4	219	339	39844	1.8	9.0302	0.7	4.5340	1.3	0.2971	1.1	0.83	1677	16	1737	11	1811	13	1811	13	93
MT-4	220	118	119355	1.9	10.1077	0.8	3.8531	1.0	0.2826	0.7	0.65	1604	10	1604	8	1603	15	1603	15	100

MT-4	221	104	107017	2.1	9.8330	0.8	3.9285	1.1	0.2803	0.7	0.65	1593	10	1620	9	1655	15	1655	15	96
MT-4	222	448	196332	1.6	10.4800	0.6	3.7244	1.1	0.2832	1.0	0.87	1608	14	1577	9	1536	10	1536	10	105
MT-4	223	104	111133	4.8	9.2199	0.6	4.5999	1.0	0.3077	0.8	0.82	1730	12	1749	8	1773	10	1773	10	98
MT-4	224	338	21314	1.8	9.8033	0.8	3.6236	1.2	0.2578	1.0	0.80	1478	13	1555	10	1660	14	1660	14	89
MT-4	225	230	164047	1.3	9.1905	0.6	4.7176	1.2	0.3146	1.1	0.88	1763	16	1770	10	1779	10	1779	10	99
MT-4	226	2058	2785	1.8	6.6284	0.8	2.1910	2.1	0.1054	1.9	0.91	646	12	1178	14	2355	15	2355	15	27
MT-4	227	210	140540	0.9	9.2014	0.5	4.7496	1.0	0.3171	0.9	0.88	1776	13	1776	8	1777	9	1777	9	100
MT-4	228	141	162566	1.3	10.5987	0.7	3.3137	1.2	0.2548	0.9	0.80	1463	12	1484	9	1514	13	1514	13	97
MT-4	229	118	64485	1.9	9.2326	0.6	4.6688	1.2	0.3128	1.0	0.83	1754	15	1762	10	1770	12	1770	12	99
MT-4	230	172	115954	2.6	9.1311	0.6	4.6904	1.1	0.3108	0.9	0.82	1744	14	1766	9	1791	12	1791	12	97
MT-4	231	192	497297	1.5	9.4968	0.6	4.5249	1.1	0.3118	0.9	0.84	1750	14	1736	9	1719	11	1719	11	102
MT-4	232	160	72030	2.5	10.0650	0.9	3.7221	1.4	0.2718	1.1	0.79	1550	15	1576	11	1611	16	1611	16	96
MT-4	233	273	29124	2.5	9.8332	0.8	3.4505	1.4	0.2462	1.1	0.81	1419	14	1516	11	1654	15	1654	15	86
MT-4	234	162	164654	1.5	9.2858	0.7	4.6705	1.1	0.3147	0.9	0.80	1764	13	1762	9	1760	12	1760	12	100
MT-4	235	212	116344	3.4	12.1301	0.6	2.4677	1.2	0.2172	1.1	0.88	1267	12	1263	9	1255	11	1255	11	101
MT-4	236	131	339826	1.8	9.2609	0.7	4.6264	0.9	0.3109	0.6	0.68	1745	10	1754	8	1765	12	1765	12	99
MT-4	237	237	100809	2.6	9.2510	0.7	4.6906	1.0	0.3148	0.7	0.69	1765	11	1766	9	1767	13	1767	13	100
MT-4	238	131	107601	1.4	9.6019	0.7	4.1066	1.1	0.2861	0.9	0.78	1622	12	1656	9	1698	13	1698	13	95
MT-4	239	1555	807	1.4	3.5025	0.7	4.1196	1.5	0.1047	1.4	0.89	642	8	1658	12	3393	11	3393	11	19
MT-4	240	139	28411	2.1	10.6321	0.7	3.3537	1.3	0.2587	1.1	0.84	1483	14	1494	10	1508	13	1508	13	98
MT-4	241	252	308154	3.4	9.4609	0.9	4.2213	1.3	0.2898	0.9	0.71	1640	13	1678	10	1726	16	1726	16	95
MT-4	242	135	136810	1.6	9.2315	0.6	4.5609	1.0	0.3055	0.8	0.80	1719	12	1742	8	1771	11	1771	11	97
MT-4	243	155	39474	2.5	10.3529	0.7	3.4197	1.2	0.2569	1.0	0.83	1474	13	1509	9	1558	13	1558	13	95
MT-4	244	176	668667	3.3	9.1351	0.6	4.7123	1.0	0.3123	0.8	0.82	1752	12	1769	8	1790	10	1790	10	98
MT-4	245	87	84411	0.8	8.9094	0.7	4.9245	1.2	0.3183	1.0	0.81	1782	15	1806	10	1835	13	1835	13	97
MT-4	246	161	104508	1.9	10.5964	0.7	3.4344	1.1	0.2641	0.8	0.74	1511	11	1512	9	1515	14	1515	14	100
MT-4	247	135	36536	1.4	10.1654	0.6	3.5519	1.0	0.2620	0.8	0.78	1500	10	1539	8	1593	12	1593	12	94
MT-4	248	149	54007	2.1	9.1257	0.6	4.8371	1.1	0.3203	0.9	0.82	1791	13	1791	9	1792	11	1792	11	100
MT-4	249	111	145870	0.8	9.1050	0.7	4.8706	1.1	0.3218	0.9	0.78	1798	14	1797	9	1796	13	1796	13	100
MT-4	250	195	24595	1.9	10.3352	0.6	3.4303	1.3	0.2572	1.2	0.88	1476	16	1511	11	1562	12	1562	12	94

MT-5	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
MT-5	1	277	79329	1.3	8.8203	0.5	5.0648	0.9	0.3241	0.7	0.83	1810	12	1830	8	1853	9	1853	9	98
MT-5	2	782	145684	5.5	5.7000	0.9	10.6880	1.2	0.4420	0.9	0.72	2360	18	2496	12	2609	14	2609	14	90
MT-5	3	128	82680	1.4	9.0477	0.5	5.0293	0.9	0.3302	0.8	0.82	1839	12	1824	8	1807	10	1807	10	102
MT-5	4	334	40794	1.5	7.5422	0.5	6.9524	0.9	0.3805	0.7	0.85	2078	13	2105	8	2132	8	2132	8	98
MT-5	5	128	101233	1.0	8.7507	0.5	5.2224	1.0	0.3316	0.9	0.87	1846	14	1856	9	1868	9	1868	9	99
MT-5	6	490	151046	3.2	5.7309	0.4	11.7601	1.4	0.4890	1.4	0.97	2566	30	2585	14	2600	6	2600	6	99
MT-5	7	418	703170	0.9	9.0466	0.5	4.9437	0.9	0.3245	0.8	0.85	1812	13	1810	8	1807	9	1807	9	100
MT-5	8	155	60125	1.1	9.1633	0.7	4.7312	1.2	0.3146	1.1	0.85	1763	16	1773	10	1784	12	1784	12	99
MT-5	9	228	124024	1.5	8.7360	0.5	5.3646	1.0	0.3400	0.8	0.85	1887	14	1879	8	1871	9	1871	9	101
MT-5	10	264	172022	1.1	8.6385	0.6	5.4562	1.0	0.3420	0.8	0.83	1896	14	1894	9	1891	10	1891	10	100
MT-5	11	284	62791	0.8	8.9655	0.6	4.9717	1.1	0.3234	0.9	0.84	1806	14	1815	9	1824	11	1824	11	99
MT-5	12	280	82053	0.9	8.9310	0.5	4.9415	0.9	0.3202	0.7	0.81	1791	12	1809	8	1831	10	1831	10	98
MT-5	13	200	386049	1.4	8.9439	0.5	4.9356	1.1	0.3203	1.0	0.88	1791	15	1808	9	1828	9	1828	9	98
MT-5	14	252	136634	0.8	8.8579	0.4	4.7193	0.9	0.3033	0.8	0.90	1708	12	1771	8	1846	7	1846	7	93
MT-5	15	1195	152429	1.8	8.1488	0.6	5.4808	1.3	0.3241	1.2	0.91	1810	19	1898	11	1995	10	1995	10	91
MT-5	16	103	46371	1.6	8.9913	0.6	4.9883	1.0	0.3254	0.8	0.81	1816	13	1817	8	1819	11	1819	11	100
MT-5	17	553	290073	2.8	8.3808	0.5	5.5727	1.3	0.3389	1.2	0.92	1881	19	1912	11	1945	9	1945	9	97
MT-5	18	940	66036	0.8	8.8836	0.5	4.6875	1.2	0.3021	1.0	0.91	1702	16	1765	10	1840	9	1840	9	92
MT-5	19	673	37335	1.2	8.7157	0.5	5.1503	1.2	0.3257	1.1	0.91	1818	17	1844	10	1875	9	1875	9	97
MT-5	20	433	190549	0.4	7.7029	0.4	6.7644	0.8	0.3781	0.7	0.86	2067	12	2081	7	2095	7	2095	7	99
MT-5	21	155	511980	1.5	8.9587	0.5	5.0026	0.7	0.3252	0.5	0.77	1815	9	1820	6	1825	8	1825	8	99
MT-5	22	270	99702	1.7	8.9385	0.5	4.9896	0.8	0.3236	0.6	0.80	1807	10	1818	6	1829	8	1829	8	99
MT-5	23	275	323413	1.9	8.9759	0.5	4.9500	1.0	0.3224	0.9	0.86	1801	14	1811	9	1822	10	1822	10	99
MT-5	24	427	141720	1.9	8.1006	0.5	6.2255	0.8	0.3659	0.7	0.83	2010	12	2008	7	2006	8	2006	8	100
MT-5	25	213	167011	1.4	9.0689	0.4	4.8854	0.9	0.3215	0.9	0.91	1797	13	1800	8	1803	7	1803	7	100
MT-5	26	518	419803	1.2	8.6966	0.5	5.3237	1.4	0.3359	1.3	0.94	1867	21	1873	12	1879	8	1879	8	99
MT-5	27	249	251667	0.9	8.2242	0.6	6.1357	0.9	0.3661	0.7	0.76	2011	12	1995	8	1979	10	1979	10	102
MT-5	28	1102	299313	2.6	6.0010	0.8	10.8736	2.2	0.4735	2.1	0.94	2499	43	2512	20	2523	13	2523	13	99
MT-5	29	142	222276	1.4	7.7155	0.6	6.8934	0.8	0.3859	0.6	0.75	2104	11	2098	8	2092	10	2092	10	101
MT-5	30	423	369344	2.1	9.1025	0.4	4.9367	0.8	0.3260	0.7	0.87	1819	11	1809	7	1796	7	1796	7	101
MT-5	31	348	259726	1.1	8.9858	0.5	5.0590	0.9	0.3298	0.7	0.81	1838	12	1829	8	1820	10	1820	10	101
MT-5	32	316	313844	1.4	8.8405	0.5	5.1681	0.8	0.3315	0.7	0.79	1846	11	1847	7	1849	9	1849	9	100
MT-5	33	1523	78120	1.3	5.8490	0.4	9.8476	1.0	0.4179	0.9	0.91	2251	18	2421	9	2566	7	2566	7	88
MT-5	34	27	32146	2.1	9.1396	0.9	4.8769	1.2	0.3234	0.8	0.69	1806	13	1798	10	1789	16	1789	16	101

MT-5	35	1126	963433	3.0	8.0185	0.5	6.0460	1.1	0.3518	1.0	0.91	1943	17	1983	9	2024	8	2024	8	96
MT-5	36	495	481495	0.8	8.9909	0.4	4.9796	1.3	0.3249	1.2	0.94	1813	19	1816	11	1819	8	1819	8	100
MT-5	37	105	108617	2.2	8.9611	0.5	5.1435	0.9	0.3344	0.7	0.80	1860	12	1843	8	1825	10	1825	10	102
MT-5	38	154	124125	1.4	6.0282	0.6	10.8594	1.1	0.4750	0.9	0.81	2505	18	2511	10	2516	11	2516	11	100
MT-5	39	245	308958	1.8	8.9843	0.6	4.9430	1.0	0.3222	0.8	0.78	1801	12	1810	9	1820	12	1820	12	99
MT-5	40	220	224515	0.6	9.0657	0.5	4.8677	0.9	0.3202	0.8	0.86	1791	12	1797	7	1804	8	1804	8	99
MT-5	41	863	388430	2.1	8.1427	0.5	6.0541	1.0	0.3577	0.9	0.89	1971	16	1984	9	1997	8	1997	8	99
MT-5	42	532	452657	3.0	8.8952	0.5	5.1287	1.0	0.3310	0.9	0.86	1843	14	1841	9	1838	10	1838	10	100
MT-5	43	686	298450	1.3	8.0787	0.4	6.3293	1.2	0.3710	1.1	0.93	2034	19	2023	10	2011	8	2011	8	101
MT-5	44	376	147301	0.7	9.0368	0.4	4.8833	1.0	0.3202	0.9	0.89	1791	14	1799	8	1809	8	1809	8	99
MT-5	45	373	598152	1.5	8.9271	0.5	5.2420	0.8	0.3395	0.6	0.79	1884	11	1859	7	1832	9	1832	9	103
MT-5	46	204	102048	1.6	8.8961	0.5	5.0632	1.1	0.3268	1.0	0.87	1823	15	1830	9	1838	10	1838	10	99
MT-5	47	49	62737	1.7	6.8029	0.8	8.7918	1.2	0.4340	0.9	0.76	2324	18	2317	11	2311	13	2311	13	101
MT-5	48	331	470260	1.5	8.7731	0.6	5.0609	1.0	0.3222	0.9	0.83	1800	14	1830	9	1863	10	1863	10	97
MT-5	49	383	101903	3.0	13.1221	0.6	1.9761	0.9	0.1882	0.7	0.76	1111	7	1107	6	1100	11	1100	11	101
MT-5	50	158	195609	1.6	9.0100	0.5	4.9675	0.9	0.3247	0.7	0.81	1813	11	1814	7	1815	9	1815	9	100
MT-5	51	291	98147	0.7	9.0712	0.5	4.9016	0.9	0.3226	0.7	0.79	1803	11	1803	8	1803	10	1803	10	100
MT-5	52	389	305802	1.1	8.9875	0.4	5.0153	0.7	0.3271	0.6	0.82	1824	9	1822	6	1819	7	1819	7	100
MT-5	53	83	580905	1.2	9.0142	0.6	5.0296	0.8	0.3290	0.5	0.67	1833	8	1824	6	1814	10	1814	10	101
MT-5	54	240	80832	0.8	8.9754	0.5	4.9551	1.8	0.3227	1.7	0.96	1803	27	1812	15	1822	9	1822	9	99
MT-5	55	214	98966	1.0	9.0272	0.5	5.0654	0.9	0.3318	0.7	0.78	1847	11	1830	7	1811	10	1811	10	102
MT-5	56	409	204725	7.2	5.9477	0.4	11.0378	0.8	0.4763	0.7	0.88	2511	15	2526	8	2538	7	2538	7	99
MT-5	57	109	59964	0.9	8.9197	0.5	5.2318	1.0	0.3386	0.8	0.85	1880	13	1858	8	1833	9	1833	9	103
MT-5	58	144	49974	0.8	8.3244	1.8	5.4391	2.1	0.3285	1.0	0.48	1831	16	1891	18	1957	33	1957	33	94
MT-5	59	167	2470237	0.9	8.8904	0.5	5.0605	0.9	0.3264	0.7	0.79	1821	11	1830	7	1839	10	1839	10	99
MT-5	60	105	143816	2.4	9.2575	0.6	4.6319	1.1	0.3111	0.9	0.81	1746	13	1755	9	1765	11	1765	11	99
MT-5	61	1081	405748	1.4	8.9717	0.4	4.8697	0.9	0.3170	0.8	0.92	1775	13	1797	8	1823	7	1823	7	97
MT-5	62	267	43688	1.7	8.4587	0.6	5.5535	0.9	0.3408	0.6	0.73	1891	10	1909	7	1929	10	1929	10	98
MT-5	63	896	417606	1.6	8.1945	0.4	6.1541	1.0	0.3659	0.9	0.91	2010	16	1998	9	1985	8	1985	8	101
MT-5	64	86	1118183	1.5	8.9509	0.7	4.9987	1.0	0.3246	0.7	0.73	1812	11	1819	8	1827	12	1827	12	99
MT-5	65	203	108171	0.7	8.2683	0.5	6.0462	1.0	0.3627	0.9	0.86	1995	15	1983	9	1969	9	1969	9	101
MT-5	66	88	39800	1.5	8.2695	0.7	6.0457	1.0	0.3628	0.7	0.74	1995	13	1982	9	1969	12	1969	12	101
MT-5	67	107	98179	1.3	8.7325	0.7	5.3817	1.2	0.3410	0.9	0.79	1891	15	1882	10	1871	13	1871	13	101
MT-5	68	98	37182	1.1	9.0896	0.6	4.9209	1.0	0.3245	0.8	0.77	1812	12	1806	9	1799	12	1799	12	101
MT-5	69	307	129449	1.1	9.0675	0.5	4.9430	0.9	0.3252	0.8	0.85	1815	13	1810	8	1803	9	1803	9	101
MT-5	70	408	232479	1.4	8.1178	0.5	6.1510	0.8	0.3623	0.7	0.80	1993	12	1998	7	2002	9	2002	9	100
MT-5	71	94	100846	1.5	8.2174	0.7	6.0256	0.9	0.3593	0.7	0.70	1979	11	1980	8	1980	12	1980	12	100
MT-5	72	167	107122	1.6	9.0083	0.6	5.0145	0.9	0.3278	0.6	0.71	1828	10	1822	7	1815	11	1815	11	101
MT-5	73	208	104653	1.3	8.9482	0.4	5.0696	1.0	0.3291	0.9	0.91	1834	14	1831	8	1827	8	1827	8	100
MT-5	74	503	271235	0.8	9.0347	0.5	4.9024	1.3	0.3214	1.2	0.94	1796	20	1803	11	1810	8	1810	8	99
MT-5	75	234	199539	2.2	8.8943	0.7	5.1077	1.0	0.3296	0.8	0.77	1837	13	1837	9	1838	12	1838	12	100
MT-5	76	743	1987861	80.9	8.5578	0.5	5.6100	1.0	0.3484	0.8	0.82	1927	13	1918	8	1908	10	1908	10	101
MT-5	77	588	2880949	0.7	8.8913	0.5	4.9352	0.9	0.3184	0.8	0.87	1782	12	1808	8	1839	8	1839	8	97
MT-5	78	275	219124	2.0	8.9952	0.5	4.9710	0.9	0.3244	0.7	0.81	1811	11	1814	7	1818	9	1818	9	100
MT-5	79	129	97284	1.1	8.9860	0.6	4.8820	0.9	0.3183	0.7	0.76	1781	10	1799	7	1820	10	1820	10	98
MT-5	80	147	149604	1.8	8.7542	0.5	5.2281	0.9	0.3321	0.8	0.83	1848	12	1857	8	1867	9	1867	9	99
MT-5	81	139	65614	2.0	7.8013	0.5	6.7445	0.9	0.3818	0.7	0.83	2085	13	2078	8	2072	8	2072	8	101
MT-5	82	480	255844	1.4	8.6155	0.3	5.5667	0.7	0.3480	0.6	0.91	1925	11	1911	6	1896	5	1896	5	102
MT-5	83	332	393998	1.2	8.6494	0.6	5.5293	0.9	0.3470	0.7	0.79	1920	12	1905	8	1889	10	1889	10	102
MT-5	84	88	65010	1.0	4.7722	0.5	16.0982	0.8	0.5574	0.7	0.80	2856	16	2883	8	2901	8	2901	8	98
MT-5	85	220	131263	0.8	5.6691	0.4	12.4201	0.8	0.5109	0.7	0.86	2660	15	2637	8	2619	7	2619	7	102
MT-5	86	487	52732	0.8	8.7991	0.6	5.0204	1.1	0.3205	1.0	0.85	1792	15	1823	10	1858	11	1858	11	96
MT-5	87	176	141031	1.1	8.9686	0.5	4.8817	0.9	0.3177	0.8	0.84	1778	12	1799	8	1823	9	1823	9	98
MT-5	88	37	52725	1.0	8.6597	0.9	5.3855	1.2	0.3384	0.8	0.69	1879	13	1883	10	1887	16	1887	16	100
MT-5	89	28	105232	0.8	8.9617	0.8	4.8510	1.2	0.3154	0.8	0.70	1767	13	1794	10	1825	15	1825	15	97
MT-5	90	101	682081	1.7	9.0575	0.6	4.8075	1.1	0.3159	0.9	0.82	1770	14	1786	9	1805	11	1805	11	98
MT-5	91	376	119970	3.0	7.7750	0.4	6.6646	0.8	0.3760	0.6	0.85	2057	11	2068	7	2078	7	2078	7	99
MT-5	92	1986	73917	1.0	7.9579	0.5	5.9942	1.0	0.3461	0.9	0.88	1916	14	1975	8	2037	8	2037	8	94
MT-5	93	559	147368	1.7	8.1792	0.5	5.8940	1.1	0.3498	1.0	0.91	1934	17	1960	10	1989	8	1989	8	97
MT-5	94	189	2428745	1.5	9.0234	0.6	4.8826	1.1	0.3197	0.9	0.84	1788	15	1799	10	1812	11	1812	11	99
MT-5	95	248	186222	1.3	9.0269	0.5	4.9803	0.9	0.3262	0.7	0.84	1820	12	1816	7	1811	9	1811	9	100
MT-5	96	1668	1555057	2.3	6.0645	0.5	10.5707	0.9	0.4651	0.8	0.86	2462	16	2486	8	2506	8	2506	8	98
MT-5	97	160	773527	1.5	9.0019	0.6	4.8668	1.0	0.3179	0.8	0.83	1779	13	1797	8	1816	10	1816	10	98
MT-5	98	51	36601	1.4	9.0880	0.7	4.8387	1.1	0.3191	0.8	0.74	1785	13	1792	9	1799	13	1799	13	99
MT-5	99	1476	1205542	0.5	8.8266	0.5	4.8592	1.1	0.3112	0.9	0.89	1747	14	1795	9	1852	9	1852	9	94
MT-5	100	407	186615	3.6	8.9686	0.5	5.1147	0.8	0.3328	0.7	0.83	1852	11	1839	7	1823	8	1823	8	102
MT-5	101	212	96532	0.9	8.9170	0.5	4.9563	0.9	0.3207	0.7	0.82	1793	11	1812	7	1834	9	1834	9	98

MT-5	102	245	94461	1.9	8.6757	0.6	5.1419	1.1	0.3237	0.9	0.85	1808	14	1843	9	1883	10	1883	10	96
MT-5	103	309	267611	1.9	7.7686	0.5	6.6135	0.9	0.3728	0.7	0.81	2042	13	2061	8	2080	9	2080	9	98
MT-5	104	1361	258153	2.9	8.9080	0.4	4.6825	1.1	0.3027	1.0	0.91	1704	14	1764	9	1835	8	1835	8	93
MT-5	105	1491	114192	0.7	8.0647	0.7	5.2470	2.6	0.3070	2.5	0.96	1726	38	1860	22	2014	13	2014	13	86
MT-5	106	210	189881	1.2	8.8811	0.4	4.8559	1.1	0.3129	1.0	0.91	1755	15	1795	9	1841	8	1841	8	95
MT-5	107	169	94658	1.3	8.9090	0.5	5.1872	0.8	0.3353	0.6	0.77	1864	10	1851	7	1835	10	1835	10	102
MT-5	108	229	301160	1.2	9.0017	0.4	5.0679	0.8	0.3310	0.7	0.84	1843	11	1831	7	1817	8	1817	8	101
MT-5	109	189	92767	1.3	9.0989	0.5	4.8445	0.9	0.3198	0.7	0.83	1789	11	1793	7	1797	9	1797	9	100
MT-5	110	255	119699	0.9	8.9751	0.6	4.9405	1.0	0.3217	0.8	0.79	1798	12	1809	8	1822	11	1822	11	99
MT-5	111	178	106536	0.6	8.7089	0.6	5.3815	0.9	0.3401	0.7	0.80	1887	12	1882	8	1876	10	1876	10	101
MT-5	112	172	184512	0.8	9.0300	0.5	5.0930	0.9	0.3337	0.8	0.84	1856	12	1835	8	1811	9	1811	9	103
MT-5	113	283	166388	1.7	9.0132	0.4	5.0215	0.8	0.3284	0.7	0.83	1831	10	1823	7	1814	8	1814	8	101
MT-5	114	100	67832	1.5	8.9800	0.7	5.0964	1.0	0.3321	0.7	0.75	1848	12	1835	8	1821	12	1821	12	102
MT-5	115	186	119858	1.1	9.0229	0.4	4.9307	0.7	0.3228	0.6	0.83	1803	10	1808	6	1812	7	1812	7	100
MT-5	116	109	54969	1.4	8.9625	0.6	5.0407	0.9	0.3278	0.7	0.80	1828	12	1826	8	1824	10	1824	10	100
MT-5	117	617	1359270	1.6	8.9218	0.4	4.9957	1.1	0.3234	1.0	0.93	1806	16	1819	9	1833	7	1833	7	99
MT-5	118	159	139002	2.0	8.9645	0.6	5.0578	0.8	0.3290	0.6	0.69	1833	9	1829	7	1824	11	1824	11	101
MT-5	119	134	17849969	1.2	8.2561	0.5	5.8609	0.8	0.3511	0.6	0.78	1940	11	1955	7	1972	9	1972	9	98
MT-5	120	187	115798	0.9	8.5809	0.5	5.4796	0.9	0.3412	0.8	0.87	1892	13	1897	8	1903	8	1903	8	99
MT-5	121	490	4917916	0.5	5.9334	0.4	11.0176	1.1	0.4743	1.0	0.92	2502	20	2525	10	2542	7	2542	7	98
MT-5	122	133	40526	1.6	9.0071	0.5	5.0413	0.9	0.3295	0.7	0.83	1836	12	1826	7	1815	9	1815	9	101
MT-5	123	499	137582	1.5	5.3493	0.4	13.2239	1.2	0.5133	1.1	0.95	2671	25	2696	11	2715	6	2715	6	98
MT-5	124	76	47980	2.2	8.9297	0.6	5.1480	1.0	0.3336	0.8	0.78	1856	12	1844	8	1831	11	1831	11	101
MT-5	125	579	339365	8.7	6.5099	0.4	9.0458	1.0	0.4273	0.9	0.92	2293	18	2343	9	2386	7	2386	7	96
MT-5	126	198	227688	1.0	8.1572	0.4	6.0468	0.7	0.3579	0.6	0.84	1972	10	1983	6	1993	7	1993	7	99
MT-5	127	308	1092436	2.4	8.6199	0.5	5.3509	0.8	0.3347	0.7	0.83	1861	11	1877	7	1895	8	1895	8	98
MT-5	128	244	115921	0.6	8.9589	0.6	4.8158	0.8	0.3131	0.5	0.70	1756	8	1788	7	1825	10	1825	10	96
MT-5	129	409	239327	1.4	9.0531	0.4	5.0683	0.8	0.3329	0.7	0.88	1853	11	1831	6	1806	7	1806	7	103
MT-5	130	606	270801	2.2	8.5904	0.5	5.5720	1.1	0.3473	1.0	0.91	1922	17	1912	10	1901	8	1901	8	101
MT-5	131	114	116502	1.5	8.9878	0.5	5.0560	1.0	0.3297	0.8	0.83	1837	13	1829	8	1819	10	1819	10	101
MT-5	132	266	100481	2.1	8.6690	0.4	5.4059	0.8	0.3400	0.7	0.84	1887	11	1886	7	1885	8	1885	8	100
MT-5	133	724	948128	1.4	5.5785	0.4	12.5175	1.4	0.5067	1.3	0.97	2642	28	2644	13	2645	6	2645	6	100
MT-5	134	322	1531311	1.7	7.7613	0.4	6.9414	0.7	0.3909	0.6	0.80	2127	10	2104	6	2081	8	2081	8	102
MT-5	135	48	22383	0.9	9.0024	0.8	4.8631	1.0	0.3177	0.7	0.66	1778	10	1796	8	1816	14	1816	14	98
MT-5	136	273	105845	1.5	8.2337	0.4	6.1175	0.9	0.3655	0.7	0.87	2008	13	1993	8	1977	8	1977	8	102
MT-5	137	215	112647	1.0	9.0432	0.4	4.9102	0.9	0.3222	0.7	0.87	1800	12	1804	7	1808	8	1808	8	100
MT-5	138	336	1057269	0.8	8.9883	0.4	4.8357	1.0	0.3154	0.9	0.90	1767	14	1791	8	1819	8	1819	8	97
MT-5	139	233	128017	2.8	5.3945	0.4	13.0550	0.7	0.5110	0.6	0.82	2661	13	2684	7	2701	7	2701	7	99
MT-5	140	259	130020	3.2	7.7520	0.5	6.8959	0.8	0.3879	0.7	0.80	2113	12	2098	7	2084	9	2084	9	101
MT-5	141	336	98758	3.4	8.8067	0.6	5.1275	0.8	0.3276	0.6	0.75	1827	10	1841	7	1856	10	1856	10	98
MT-5	142	220	119148	1.5	8.9328	0.6	5.0838	0.9	0.3295	0.7	0.76	1836	11	1833	8	1830	10	1830	10	100
MT-5	143	26	14552	2.0	9.3440	0.9	4.7137	1.3	0.3196	1.0	0.74	1788	15	1770	11	1748	16	1748	16	102
MT-5	144	191	80776	1.6	8.8910	0.5	5.2517	0.9	0.3388	0.7	0.82	1881	11	1861	7	1839	9	1839	9	102
MT-5	145	223	176898	1.0	8.9397	0.4	5.0842	0.8	0.3298	0.7	0.85	1837	11	1833	7	1829	8	1829	8	100
MT-5	146	169	808811	14.5	5.0889	0.5	15.5123	1.1	0.5728	0.9	0.86	2919	21	2847	10	2797	9	2797	9	104
MT-5	147	218	682641	1.2	8.8986	0.5	5.0631	0.8	0.3269	0.7	0.82	1823	10	1830	7	1837	8	1837	8	99
MT-5	148	170	126599	1.6	9.0916	0.5	4.7336	1.1	0.3123	1.0	0.89	1752	16	1773	10	1798	9	1798	9	97
MT-5	149	402	549924	3.0	8.5385	0.5	5.5854	0.8	0.3460	0.7	0.83	1916	11	1914	7	1912	8	1912	8	100
MT-5	150	657	197287	2.3	8.2189	0.4	5.9032	1.2	0.3520	1.1	0.93	1944	19	1962	10	1980	8	1980	8	98
MT-5	151	119	115566	1.5	9.0727	0.4	4.9956	0.7	0.3289	0.5	0.79	1833	8	1819	6	1802	8	1802	8	102
MT-5	152	302	420675	0.9	8.9216	0.5	5.0713	0.8	0.3283	0.7	0.82	1830	11	1831	7	1833	9	1833	9	100
MT-5	153	918	111261	0.8	8.8237	0.5	4.5396	1.4	0.2906	1.3	0.94	1645	19	1738	12	1853	9	1853	9	89
MT-5	154	119	65209	1.5	9.0718	0.6	5.0131	1.0	0.3300	0.8	0.82	1838	13	1822	8	1802	10	1802	10	102
MT-5	155	449	1074350	1.8	5.9538	0.4	11.2495	0.8	0.4860	0.8	0.89	2553	16	2544	8	2537	6	2537	6	101
MT-5	156	1228	199197	1.4	5.9299	0.4	10.3151	1.0	0.4438	0.9	0.90	2368	18	2463	9	2543	7	2543	7	93
MT-5	157	499	293739	1.6	7.7726	0.4	6.9179	0.9	0.3901	0.8	0.90	2124	15	2101	8	2079	7	2079	7	102
MT-5	158	145	190957	1.5	8.9490	0.6	4.9963	0.9	0.3244	0.7	0.77	1811	11	1819	8	1827	11	1827	11	99
MT-5	159	455	996483	1.0	8.9832	0.5	4.9746	0.9	0.3242	0.8	0.83	1810	12	1815	8	1820	10	1820	10	99
MT-5	160	935	118885	2.7	8.0826	0.6	6.0669	1.0	0.3558	0.8	0.84	1962	14	1986	9	2010	10	2010	10	98
MT-5	161	607	335395	1.4	8.8661	0.4	5.1715	1.1	0.3327	1.1	0.95	1851	17	1848	10	1844	7	1844	7	100
MT-5	162	467	221951	1.5	8.3655	0.4	5.8426	0.6	0.3546	0.5	0.81	1957	9	1953	5	1949	7	1949	7	100
MT-5	163	637	1518651	0.9	8.9624	0.4	5.1960	0.9	0.3379	0.8	0.88	1877	13	1852	8	1824	8	1824	8	103
MT-5	164	199	222316	3.2	8.9588	0.5	5.0897	0.9	0.3309	0.7	0.85	1843	12	1834	7	1825	8	1825	8	101
MT-5	165	375	171906	2.0	8.7667	0.5	5.5607	0.9	0.3537	0.7	0.82	1952	12	1910	8	1864	9	1864	9	105
MT-5	166	174	224661	2.0	8.6855	0.5	5.3947	0.8	0.3400	0.6	0.79	1887	10	1884	7	1881	8	1881	8	100
MT-5	167	505	47322	1.1	8.4745	0.4	5.6595	1.0	0.3480	0.9	0.91	1925	15	1925	9	1925	7	1925	7	100
MT-5	168	269	631424	1.5	8.8977	0.5	5.0434	0.9	0.3256	0.7	0.82	1817	11	1827	7	1838	9	1838	9	99

MT-5	169	246	211247	1.5	9.0157	0.4	4.8486	0.7	0.3172	0.6	0.86	1776	10	1793	6	1814	7	1814	7	98
MT-5	170	981	293265	3.8	5.6699	0.5	11.8729	1.0	0.4884	0.9	0.86	2564	18	2594	9	2618	8	2618	8	98
MT-5	171	648	683726	2.4	7.7742	0.4	6.7750	1.1	0.3822	1.0	0.92	2086	18	2082	10	2079	8	2079	8	100
MT-5	172	127	222478	1.2	8.6554	0.6	5.2249	1.0	0.3281	0.8	0.79	1829	12	1857	8	1887	11	1887	11	97
MT-5	173	596	200154	1.5	7.8604	0.4	6.4862	1.1	0.3699	1.1	0.93	2029	18	2044	10	2059	7	2059	7	99
MT-5	174	172	113863	1.2	8.9931	0.6	5.0701	0.9	0.3308	0.7	0.80	1842	12	1831	8	1818	10	1818	10	101
MT-5	175	310	110330	1.4	9.0157	0.5	5.0102	0.8	0.3277	0.7	0.82	1827	11	1821	7	1814	9	1814	9	101
MT-5	176	218	543881	2.8	8.7463	0.4	5.3928	0.9	0.3422	0.7	0.86	1897	12	1884	7	1869	8	1869	8	102
MT-5	177	484	95676	0.9	8.6464	0.4	5.2599	1.6	0.3300	1.6	0.97	1838	25	1862	14	1889	7	1889	7	97
MT-5	178	129	90808	0.8	8.9781	0.6	5.0334	0.9	0.3279	0.7	0.78	1828	11	1825	7	1821	10	1821	10	100
MT-5	179	686	5418346	3.2	8.9346	0.4	5.0803	0.9	0.3293	0.8	0.89	1835	13	1833	8	1830	8	1830	8	100
MT-5	180	496	18859858	2.1	8.9514	0.4	5.0237	1.1	0.3263	1.0	0.94	1820	16	1823	9	1827	7	1827	7	100
MT-5	181	183	196858	1.3	8.2065	0.5	6.0458	0.8	0.3600	0.7	0.83	1982	11	1982	7	1983	8	1983	8	100
MT-5	182	98	101872	1.6	8.1868	0.6	6.1561	0.9	0.3657	0.7	0.79	2009	13	1998	8	1987	10	1987	10	101
MT-5	183	655	144030	0.8	9.1598	0.4	4.8776	0.9	0.3242	0.8	0.89	1810	13	1798	8	1785	8	1785	8	101
MT-5	184	378	118914	1.4	12.2744	0.5	2.3719	0.8	0.2112	0.6	0.74	1235	7	1234	6	1232	10	1232	10	100
MT-5	185	95	118410	1.8	8.3079	0.6	5.8514	1.6	0.3527	1.5	0.92	1948	25	1954	14	1961	11	1961	11	99
MT-5	186	147	807209	1.5	8.6232	0.6	5.6298	0.9	0.3522	0.7	0.76	1945	11	1921	8	1894	11	1894	11	103
MT-5	187	138	262050	1.0	9.1017	0.5	4.9714	0.9	0.3283	0.8	0.86	1830	12	1814	8	1796	8	1796	8	102
MT-5	188	481	127401	1.1	8.6565	0.4	5.1678	1.1	0.3246	1.0	0.91	1812	15	1847	9	1887	8	1887	8	96
MT-5	189	381	104770	0.8	8.0726	0.4	6.2431	0.9	0.3657	0.8	0.90	2009	15	2011	8	2012	7	2012	7	100
MT-5	190	265	101169	0.7	6.0163	0.5	11.2556	1.0	0.4913	0.9	0.85	2576	19	2545	10	2519	9	2519	9	102
MT-5	191	214	122446	1.5	8.6627	0.5	5.2212	0.8	0.3282	0.7	0.83	1830	11	1856	7	1886	9	1886	9	97
MT-5	192	414	390698	1.1	8.6992	0.5	5.3868	0.9	0.3400	0.8	0.86	1887	13	1883	8	1878	8	1878	8	100
MT-5	193	483	98173	3.2	9.7753	1.2	3.9649	2.5	0.2812	2.3	0.89	1598	32	1627	21	1665	22	1665	22	96
MT-5	194	89	184393	2.0	9.0768	0.6	4.8416	0.9	0.3189	0.7	0.76	1784	10	1792	7	1801	10	1801	10	99
MT-5	195	92	118725	0.9	8.9776	0.5	4.8835	1.1	0.3181	0.9	0.88	1780	14	1799	9	1821	9	1821	9	98
MT-5	196	132	138782	1.6	8.6647	0.5	5.6455	0.9	0.3549	0.8	0.84	1958	13	1923	8	1886	9	1886	9	104
MT-5	197	254	77738	1.2	9.0388	0.4	4.9278	0.7	0.3232	0.6	0.85	1805	9	1807	6	1809	6	1809	6	100
MT-5	198	54	106251	1.6	8.9189	0.6	5.1394	0.9	0.3326	0.6	0.72	1851	10	1843	8	1833	11	1833	11	101
MT-5	199	95	45571	1.6	8.2935	0.5	5.8846	0.9	0.3541	0.7	0.84	1954	12	1959	8	1964	8	1964	8	100
MT-5	200	105	788880	1.3	9.1272	0.5	4.8990	0.8	0.3244	0.6	0.73	1811	9	1802	6	1791	9	1791	9	101
MT-5	201	345	50391	0.9	8.7056	0.5	5.1088	0.9	0.3227	0.7	0.81	1803	11	1838	7	1877	9	1877	9	96
MT-5	202	129	150384	1.3	8.6136	0.6	5.3748	0.8	0.3359	0.5	0.67	1867	8	1881	7	1896	10	1896	10	98
MT-5	203	335	116886	1.2	9.0184	0.4	4.9027	0.7	0.3208	0.5	0.79	1794	9	1803	6	1813	8	1813	8	99
MT-5	204	214	104709	0.7	8.7456	0.4	5.3818	0.7	0.3415	0.5	0.78	1894	9	1882	6	1869	8	1869	8	101
MT-5	205	196	92926	1.4	9.0172	0.5	4.9543	0.8	0.3241	0.6	0.82	1810	10	1812	7	1813	8	1813	8	100
MT-5	206	49	62609	1.0	8.9664	0.6	4.9654	1.1	0.3230	0.9	0.83	1805	14	1813	9	1824	11	1824	11	99
MT-5	207	278	258010	1.4	9.0098	0.5	4.9390	0.8	0.3229	0.7	0.84	1804	11	1809	7	1815	8	1815	8	99
MT-5	208	638	96334	0.6	8.9722	0.5	5.0738	1.2	0.3303	1.1	0.91	1840	17	1832	10	1822	9	1822	9	101
MT-5	209	90	90476	1.4	8.2627	0.5	5.9999	1.0	0.3597	0.9	0.87	1981	15	1976	9	1971	9	1971	9	101
MT-5	210	174	78258	1.3	8.0935	0.5	6.0609	0.9	0.3559	0.7	0.81	1963	12	1985	8	2007	9	2007	9	98
MT-5	211	669	6412246	1.7	9.0440	0.4	5.0488	0.9	0.3313	0.8	0.90	1845	13	1828	8	1808	7	1808	7	102
MT-5	212	115	169667	0.9	8.2615	0.4	5.9795	0.7	0.3584	0.6	0.80	1975	10	1973	6	1971	8	1971	8	100
MT-5	213	176	261278	1.2	8.6354	0.4	5.3884	0.9	0.3376	0.8	0.88	1875	12	1883	7	1892	7	1892	7	99
MT-5	214	73	32351	1.3	9.0878	0.4	4.8919	1.0	0.3226	0.9	0.90	1802	14	1801	8	1799	8	1799	8	100
MT-5	215	137	115619	1.2	8.1691	0.5	6.0275	0.8	0.3573	0.6	0.79	1969	11	1980	7	1991	9	1991	9	99
MT-5	216	157	114371	1.3	8.3473	0.5	6.0474	1.0	0.3663	0.9	0.87	2012	15	1983	9	1952	9	1952	9	103
MT-5	217	241	97750	0.8	7.7684	0.4	6.7676	0.7	0.3815	0.5	0.79	2083	9	2081	6	2080	7	2080	7	100
MT-5	218	689	3029345	2.2	9.0219	0.4	4.9033	0.9	0.3210	0.8	0.89	1794	13	1803	8	1812	7	1812	7	99
MT-5	219	261	329694	1.9	7.8890	0.3	6.6911	0.7	0.3830	0.6	0.86	2090	11	2071	6	2053	6	2053	6	102
MT-5	220	1038	36587	0.9	8.6554	0.5	4.7630	1.0	0.2991	0.9	0.89	1687	14	1778	9	1887	9	1887	9	89
MT-5	221	294	78341	0.9	8.9224	0.5	4.8971	0.9	0.3170	0.7	0.81	1775	11	1802	8	1833	10	1833	10	97
MT-5	222	1316	398852	8.8	8.4862	0.4	5.5959	0.8	0.3446	0.6	0.81	1909	10	1915	7	1923	8	1923	8	99
MT-5	223	84	291309	1.5	8.6815	0.6	5.4031	1.0	0.3403	0.8	0.80	1888	14	1885	9	1882	11	1882	11	100
MT-5	224	1160	1722735	5.0	5.3381	0.4	13.3567	0.9	0.5173	0.7	0.86	2688	16	2705	8	2718	7	2718	7	99
MT-5	225	230	98673	0.6	9.1306	0.6	4.7828	1.0	0.3169	0.8	0.82	1774	13	1782	8	1791	10	1791	10	99
MT-5	226	359	550578	0.8	8.9741	0.4	5.1497	0.9	0.3353	0.8	0.89	1864	13	1844	8	1822	7	1822	7	102
MT-5	227	279	550075	1.1	8.2276	0.4	5.8870	0.8	0.3514	0.7	0.85	1941	11	1959	7	1978	8	1978	8	98
MT-5	228	2583	9886	13.1	7.7902	1.8	5.2031	2.8	0.2941	2.1	0.77	1662	31	1853	24	2075	31	2075	31	80
MT-5	229	454	129947	1.1	9.0316	0.4	4.9971	0.8	0.3275	0.7	0.88	1826	11	1819	7	1810	7	1810	7	101
MT-5	230	352	237130	0.9	8.1970	0.5	6.1512	1.0	0.3658	0.8	0.88	2010	15	1998	8	1985	8	1985	8	101
MT-5	231	298	1299249	0.9	8.5793	0.4	5.6135	0.7	0.3494	0.5	0.79	1932	9	1918	6	1903	8	1903	8	102
MT-5	232	169	366581	1.4	9.0020	0.4	4.8801	0.8	0.3188	0.7	0.84	1784	10	1799	7	1816	8	1816	8	98
MT-5	233	175	706655	2.0	8.9743	0.4	5.0655	0.8	0.3298	0.7	0.85	1838	11	1830	7	1822	7	1822	7	101
MT-5	234	227	103587	1.0	9.0360	0.4	5.0431	0.7	0.3306	0.5	0.78	1841	9	1827	6	1810	8	1810	8	102
MT-5	235	892	271218	3.0	8.2044	0.3	6.0875	0.8	0.3624	0.8	0.94	1993	14	1988	7	1983	5	1983	5	101

MT-5	236	138	66312	0.8	8.8885	0.4	5.0262	0.8	0.3242	0.6	0.86	1810	10	1824	6	1839	7	1839	7	98
MT-5	237	2706	287590	3.3	7.7355	0.4	6.1082	1.3	0.3428	1.3	0.96	1900	21	1991	12	2087	7	2087	7	91
MT-5	238	316	36456	1.6	8.6068	0.5	5.3149	0.9	0.3319	0.7	0.81	1848	12	1871	8	1898	10	1898	10	97
MT-5	239	656	702533	1.1	8.3339	0.4	5.8360	0.9	0.3529	0.8	0.87	1948	13	1952	8	1955	8	1955	8	100
MT-5	240	241	837188	1.2	8.1290	0.5	6.2988	0.8	0.3715	0.6	0.79	2037	11	2018	7	2000	9	2000	9	102
MT-5	241	122	84615	1.0	9.0773	0.6	4.8249	1.0	0.3178	0.9	0.84	1779	14	1789	9	1801	10	1801	10	99
MT-5	242	254	72238	1.5	9.0493	0.5	4.8786	0.8	0.3203	0.6	0.80	1791	10	1799	7	1807	9	1807	9	99
MT-5	243	349	1231575	1.3	9.0385	0.5	4.9541	0.9	0.3249	0.8	0.85	1814	13	1812	8	1809	9	1809	9	100
MT-5	244	42	44127	1.1	9.1348	0.6	4.9744	1.0	0.3297	0.8	0.79	1837	12	1815	8	1790	11	1790	11	103
MT-5	245	265	5691968	0.8	8.9793	0.5	4.9157	1.0	0.3203	0.9	0.88	1791	14	1805	9	1821	9	1821	9	98
MT-5	246	109	299232	1.4	9.0630	0.7	4.9602	1.0	0.3262	0.6	0.68	1820	10	1813	8	1804	13	1804	13	101
MT-5	247	110	254846	1.3	8.5702	0.6	5.5976	1.1	0.3481	0.9	0.86	1925	16	1916	10	1905	10	1905	10	101
MT-5	248	1075	5434458	2.3	7.7697	0.4	6.7523	1.1	0.3807	1.0	0.91	2079	17	2079	10	2080	8	2080	8	100
MT-5	249	382	943236	2.7	9.0129	0.5	4.9794	0.7	0.3256	0.5	0.75	1817	8	1816	6	1814	9	1814	9	100
MT-5	250	233	520813	1.8	8.7482	0.5	5.3275	0.9	0.3382	0.8	0.85	1878	13	1873	8	1868	9	1868	9	101
MT-5	251	133	10413	0.8	7.5065	0.7	5.9837	1.1	0.3259	0.8	0.73	1819	13	1973	10	2140	13	2140	13	85
MT-5	252	986	109219	1.9	8.0792	0.3	6.0556	1.0	0.3550	0.9	0.93	1958	15	1984	8	2011	6	2011	6	97
MT-5	253	381	26720	1.3	7.6571	1.0	6.3816	1.4	0.3546	1.1	0.75	1956	18	2030	13	2105	17	2105	17	93
MT-5	254	184	107581	1.5	5.0678	0.5	14.6857	0.8	0.5400	0.6	0.76	2783	13	2795	7	2803	8	2803	8	99
MT-5	255	244	594806	1.0	8.9617	0.6	4.8712	0.9	0.3167	0.6	0.72	1774	10	1797	8	1825	11	1825	11	97
MT-5	256	461	1178334	1.1	6.2076	0.5	10.4524	0.8	0.4708	0.6	0.79	2487	13	2476	7	2466	8	2466	8	101
MT-5	257	97	127062	1.3	9.1489	0.6	4.8496	1.1	0.3219	0.9	0.83	1799	14	1794	9	1787	11	1787	11	101
MT-5	258	1002	29500	0.9	8.6295	1.1	5.2665	1.4	0.3298	0.9	0.61	1837	14	1863	12	1893	20	1893	20	97
MT-5	259	103	164549	1.8	5.4916	0.6	13.0526	0.9	0.5201	0.7	0.76	2700	16	2683	9	2671	10	2671	10	101
MT-5	260	401	43774	1.8	8.7784	0.8	4.8778	1.1	0.3107	0.8	0.69	1744	12	1798	9	1862	15	1862	15	94
MT-5	261	210	981008	2.3	5.4196	0.5	13.2634	0.9	0.5216	0.7	0.83	2706	16	2699	8	2693	8	2693	8	100
MT-5	262	154	110420	1.3	8.9485	0.5	4.8909	0.9	0.3176	0.7	0.83	1778	12	1801	8	1827	9	1827	9	97
MT-5	263	507	34302963	1.8	8.6994	0.4	5.3762	1.1	0.3394	1.0	0.93	1884	17	1881	10	1878	8	1878	8	100
MT-5	264	385	395665	1.1	8.9886	0.4	4.8934	0.8	0.3191	0.7	0.89	1786	12	1801	7	1819	7	1819	7	98
MT-5	265	311	156241	1.3	9.0151	0.4	4.9962	0.8	0.3268	0.8	0.90	1823	12	1819	7	1814	7	1814	7	101
MT-5	266	96	133437	1.4	8.7063	0.5	5.3284	0.9	0.3366	0.8	0.84	1870	12	1873	8	1877	9	1877	9	100
MT-5	267	164	373697	1.4	9.1075	0.6	4.8366	0.9	0.3196	0.6	0.70	1788	10	1791	8	1795	12	1795	12	100
MT-5	268	601	33751	0.5	8.7243	0.7	5.2330	1.2	0.3313	1.0	0.85	1844	17	1858	10	1873	12	1873	12	98
MT-5	269	165	112265	1.7	9.0662	0.5	4.9235	0.9	0.3239	0.8	0.84	1809	12	1806	8	1804	9	1804	9	100
MT-5	270	261	151464	1.5	8.3262	0.4	5.9854	0.9	0.3616	0.7	0.88	1990	13	1974	7	1957	7	1957	7	102
MT-5	271	293	116076	1.1	8.1766	0.5	6.0550	0.9	0.3592	0.8	0.87	1979	14	1984	8	1989	8	1989	8	99
MT-5	272	96	52169	2.2	9.1744	0.6	4.8039	0.9	0.3198	0.7	0.76	1789	11	1786	8	1782	11	1782	11	100
MT-5	273	160	94641	1.2	9.0203	0.5	5.0033	0.9	0.3275	0.8	0.85	1826	12	1820	8	1813	9	1813	9	101
MT-5	274	187	109192	0.9	9.0006	0.6	4.8034	1.0	0.3137	0.8	0.80	1759	12	1785	8	1817	11	1817	11	97
MT-5	275	381	285354	1.6	5.7556	0.5	12.2091	0.8	0.5099	0.6	0.79	2656	13	2621	7	2593	8	2593	8	102
MT-5	276	92	285121	1.5	8.9094	0.6	4.9993	1.1	0.3232	0.9	0.83	1805	14	1819	9	1835	11	1835	11	98
MT-5	277	223	243193	1.8	5.0152	0.5	15.1275	0.8	0.5505	0.6	0.79	2827	14	2823	7	2821	8	2821	8	100
MT-5	278	172	193917	0.9	8.9896	0.5	5.0025	1.0	0.3263	0.8	0.83	1820	13	1820	8	1819	10	1819	10	100
MT-5	279	170	94131	1.2	9.1401	0.8	4.9993	1.3	0.3315	1.1	0.78	1846	17	1819	11	1789	15	1789	15	103
MT-5	280	1062	39258	0.4	8.6706	0.6	4.7709	1.0	0.3001	0.8	0.79	1692	12	1780	9	1884	12	1884	12	90
MT-5	281	810	344108	1.0	8.9763	0.3	4.9459	0.8	0.3221	0.8	0.92	1800	12	1810	7	1822	6	1822	6	99
MT-5	282	280	147467	1.4	8.8634	0.5	4.8329	0.9	0.3108	0.7	0.80	1745	11	1791	8	1845	10	1845	10	95
MT-5	283	377	27185	1.1	8.5368	0.9	5.1593	1.0	0.3196	0.5	0.53	1788	8	1846	9	1912	16	1912	16	93
MT-5	284	128	80796	1.5	9.0893	0.5	4.9753	0.9	0.3281	0.8	0.81	1829	12	1815	8	1799	10	1799	10	102
MT-5	285	222	71161	0.9	9.0604	0.6	4.9326	1.1	0.3243	0.9	0.84	1811	14	1808	9	1805	10	1805	10	100
MT-5	286	133	58312	1.2	8.8785	0.6	5.0067	1.0	0.3225	0.8	0.83	1802	13	1820	9	1841	10	1841	10	98
MT-5	287	202	84706	1.0	8.9947	0.6	4.9789	1.0	0.3249	0.8	0.81	1814	12	1816	8	1818	10	1818	10	100
MT-5	288	286	194455	1.0	8.1514	0.5	6.0862	0.8	0.3600	0.6	0.76	1982	10	1988	7	1995	9	1995	9	99
MT-5	289	308	384785	1.6	8.1673	0.5	6.1688	0.8	0.3656	0.6	0.80	2008	11	2000	7	1991	8	1991	8	101
MT-5	290	292	111440	1.7	5.6652	0.4	11.7951	0.7	0.4848	0.6	0.83	2548	13	2588	7	2620	7	2620	7	97
MT-5	291	739	345303	11.2	5.8519	0.4	11.1917	0.9	0.4752	0.8	0.91	2506	17	2539	8	2566	6	2566	6	98
MT-5	292	662	50999	1.0	8.3933	0.4	5.6600	1.0	0.3447	0.9	0.92	1909	15	1925	8	1943	7	1943	7	98
MT-5	293	938	601725	1.8	7.8019	0.5	6.7267	1.0	0.3808	0.9	0.90	2080	16	2076	9	2072	8	2072	8	100
MT-5	294	101	29975	1.6	9.0663	0.5	4.9343	0.7	0.3246	0.6	0.77	1812	9	1808	6	1804	8	1804	8	100
MT-5	295	337	560074	22.3	5.0886	0.4	15.0572	0.8	0.5559	0.7	0.88	2850	16	2819	7	2797	6	2797	6	102
MT-5	296	737	114471	2.8	8.2266	0.5	5.7821	1.0	0.3451	0.8	0.86	1911	14	1944	8	1978	9	1978	9	97
MT-5	297	674	334056	2.1	8.0327	0.5	6.0707	1.2	0.3538	1.0	0.90	1953	18	1986	10	2021	9	2021	9	97
MT-5	298	955	109917	1.7	8.0493	0.4	5.9998	0.9	0.3504	0.8	0.92	1937	14	1976	8	2017	6	2017	6	96
MT-5	299	297	333041	0.9	9.0703	0.5	4.9894	0.7	0.3284	0.5	0.71	1830	8	1818	6	1803	9	1803	9	102
MT-5	300	344	91482	1.1	9.0530	0.5	4.8979	0.8	0.3217	0.6	0.75	1798	9	1802	7	1806	10	1806	10	100

Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
RO-7	1	77	21737	1.4	10.5864	0.8	3.5880	1.3	0.2756	1.0	0.78	1569	14	1547	10	1517	15	1517	15	103
RO-7	2	242	73967	1.3	8.9860	0.7	4.7084	1.1	0.3070	0.8	0.75	1726	13	1769	9	1820	13	1820	13	95
RO-7	3	175	150680	1.7	9.3872	0.6	4.6545	1.1	0.3170	0.9	0.84	1775	14	1759	9	1740	11	1740	11	102
RO-7	4	155	65768	1.2	9.2422	0.5	4.7394	1.0	0.3178	0.9	0.86	1779	13	1774	8	1769	10	1769	10	101
RO-7	5	201	44880	1.1	10.2648	0.9	3.4803	1.3	0.2592	1.0	0.73	1486	13	1523	11	1574	17	1574	17	94
RO-7	6	233	40949	1.3	10.3992	0.9	3.5296	1.6	0.2663	1.4	0.84	1522	18	1534	13	1550	17	1550	17	98
RO-7	7	338	91262	1.3	9.1576	0.7	3.9421	1.4	0.2619	1.1	0.84	1500	15	1622	11	1785	14	1785	14	84
RO-7	8	682	2635	1.6	6.5156	2.8	1.6927	3.3	0.0800	1.7	0.50	496	8	1006	21	2384	49	2384	49	21
RO-7	9	196	6737	1.6	7.7400	2.2	5.4795	2.4	0.3077	1.0	0.40	1730	15	1897	21	2086	39	2086	39	83
RO-7	10	243	23833	1.2	8.9534	0.6	4.0444	1.1	0.2627	1.0	0.87	1504	13	1643	9	1826	10	1826	10	82
RO-7	11	276	78237	1.0	10.5361	0.8	3.4249	1.7	0.2618	1.5	0.87	1499	20	1510	13	1525	16	1525	16	98
RO-7	12	338	40544	0.9	10.1473	0.8	3.2458	1.7	0.2390	1.5	0.89	1381	19	1468	13	1596	15	1596	15	87
RO-7	13	141	75083	0.9	10.5953	0.9	3.4066	1.5	0.2619	1.2	0.81	1500	16	1506	12	1515	17	1515	17	99
RO-7	14	1037	16651	1.3	9.7325	1.0	3.4543	1.7	0.2439	1.5	0.84	1407	18	1517	14	1674	18	1674	18	84
RO-7	15	238	120419	1.3	10.4477	0.8	3.3812	1.4	0.2563	1.1	0.81	1471	15	1500	11	1541	15	1541	15	95
RO-7	16	260	17985	1.1	9.6092	1.8	3.7075	2.0	0.2585	0.9	0.47	1482	12	1573	16	1697	32	1697	32	87
RO-7	17	145	125177	1.4	10.4524	0.9	3.4778	1.5	0.2638	1.3	0.82	1509	17	1522	12	1540	16	1540	16	98
RO-7	18	274	52401	1.6	9.1207	0.7	4.2878	1.2	0.2838	0.9	0.81	1610	13	1691	10	1793	12	1793	12	90
RO-7	19	70	79408	1.3	10.3548	1.1	3.5581	1.5	0.2673	1.0	0.69	1527	14	1540	12	1558	21	1558	21	98
RO-7	20	489	28256	1.2	8.8119	0.8	4.6501	1.4	0.2973	1.1	0.79	1678	16	1758	12	1855	15	1855	15	90
RO-7	21	522	5490	3.0	7.8649	4.0	1.7112	6.1	0.0977	4.6	0.75	601	26	1013	39	2058	71	2058	71	29
RO-7	22	232	177650	1.2	10.3992	0.8	3.4279	1.7	0.2587	1.5	0.89	1483	20	1511	13	1550	15	1550	15	96
RO-7	23	495	13292	1.3	8.3022	2.0	4.6450	2.4	0.2798	1.3	0.53	1590	18	1757	20	1962	36	1962	36	81
RO-7	24	188	33965	1.3	9.8589	0.8	3.2589	1.4	0.2331	1.2	0.83	1351	15	1471	11	1650	15	1650	15	82
RO-7	25	108	134572	1.6	7.2109	1.0	7.5668	1.5	0.3959	1.2	0.78	2150	22	2181	14	2210	17	2210	17	97
RO-7	26	59	148173	1.2	10.3957	0.9	3.4874	1.4	0.2631	1.0	0.74	1505	14	1524	11	1551	17	1551	17	97
RO-7	27	379	114097	2.0	10.4769	1.0	3.4705	1.5	0.2638	1.2	0.78	1509	16	1521	12	1536	18	1536	18	98
RO-7	28	186	210829	1.0	9.2501	0.7	4.5455	1.2	0.3051	1.0	0.84	1716	15	1739	10	1767	12	1767	12	97
RO-7	29	187	19877	1.4	9.4946	1.2	3.4540	1.6	0.2379	1.1	0.68	1376	13	1517	12	1719	21	1719	21	80
RO-7	30	199	1998606	1.8	9.2294	0.9	4.6856	1.5	0.3138	1.2	0.81	1759	19	1765	12	1771	16	1771	16	99
RO-7	31	119	693535	1.4	9.2593	0.8	4.7749	1.1	0.3208	0.8	0.71	1794	12	1780	9	1765	14	1765	14	102
RO-7	32	46	98903	0.7	10.3352	1.1	3.5222	1.7	0.2641	1.3	0.78	1511	17	1532	13	1562	20	1562	20	97
RO-7	33	313	75485	1.5	9.1092	0.7	4.4055	1.7	0.2912	1.5	0.90	1647	22	1713	14	1795	13	1795	13	92
RO-7	34	178	430284	1.3	9.2534	0.6	4.7378	1.4	0.3181	1.2	0.88	1780	19	1774	11	1766	12	1766	12	101
RO-7	35	276	52438	1.2	10.0557	0.7	3.3453	1.6	0.2441	1.4	0.89	1408	18	1492	13	1613	13	1613	13	87
RO-7	36	231	95637	1.2	10.5018	0.7	3.4694	1.1	0.2644	0.9	0.78	1512	12	1520	9	1532	14	1532	14	99
RO-7	37	514	28087	1.5	7.4922	0.8	6.4390	1.4	0.3500	1.1	0.81	1935	19	2038	12	2143	14	2143	14	90
RO-7	38	167	529176	1.9	7.5710	0.7	7.0299	1.5	0.3862	1.3	0.87	2105	23	2115	13	2125	12	2125	12	99
RO-7	39	607	250448	1.8	10.5254	0.7	3.5538	1.6	0.2714	1.5	0.91	1548	20	1539	13	1527	12	1527	12	101
RO-7	40	221	19337	1.3	9.5256	1.4	3.7837	1.9	0.2615	1.3	0.68	1498	17	1589	15	1713	25	1713	25	87
RO-7	41	2676	879	1.7	4.0312	1.4	2.4400	3.1	0.0714	2.7	0.90	444	12	1254	22	3172	21	3172	21	14
RO-7	42	149	8952	1.7	8.8208	1.0	4.2168	1.8	0.2699	1.5	0.82	1540	21	1677	15	1853	19	1853	19	83
RO-7	43	163	29979	1.2	8.8395	0.7	4.4873	1.6	0.2878	1.4	0.89	1631	20	1729	13	1849	13	1849	13	88
RO-7	44	1814	1887	2.2	5.5142	3.8	1.6250	6.0	0.0650	4.6	0.77	406	18	980	38	2665	64	2665	64	15
RO-7	45	192	497872	1.7	10.4685	0.6	3.5171	1.2	0.2672	1.1	0.87	1526	15	1531	10	1538	11	1538	11	99
RO-7	46	261	110822	1.2	10.4526	0.6	3.6127	1.4	0.2740	1.3	0.90	1561	18	1552	11	1540	12	1540	12	101
RO-7	47	268	73771	1.2	10.3217	0.8	3.4224	1.5	0.2563	1.3	0.86	1471	17	1510	12	1564	15	1564	15	94
RO-7	48	227	265396	1.4	9.1544	0.8	4.6262	1.2	0.3073	1.0	0.78	1727	14	1754	10	1786	14	1786	14	97
RO-7	49	242	95120	1.6	10.3972	0.9	3.5046	1.7	0.2644	1.4	0.84	1512	19	1528	13	1550	17	1550	17	98
RO-7	50	157	72269	1.2	9.3814	0.7	4.5999	1.1	0.3131	0.8	0.77	1756	13	1749	9	1741	12	1741	12	101
RO-7	51	648	49072	1.8	10.1656	0.6	3.4113	1.4	0.2516	1.3	0.91	1447	17	1507	11	1593	11	1593	11	91
RO-7	52	562	38994	0.6	12.1082	0.7	2.0502	1.6	0.1801	1.4	0.89	1068	14	1132	11	1259	14	1259	14	85
RO-7	53	264	1149411	1.0	9.3048	0.6	4.6514	1.1	0.3140	0.9	0.85	1761	14	1759	9	1756	10	1756	10	100
RO-7	54	82	30052	1.4	8.8291	1.2	4.5186	1.7	0.2895	1.2	0.68	1639	17	1734	14	1852	22	1852	22	89
RO-7	55	183	89612	1.1	9.2441	0.9	4.4622	1.5	0.2993	1.2	0.80	1688	18	1724	13	1768	17	1768	17	95
RO-7	56	313	610671	1.8	9.2993	0.8	4.7182	1.6	0.3184	1.4	0.85	1782	21	1770	14	1757	16	1757	16	101
RO-7	57	245	12580	0.9	9.2711	0.8	3.7995	1.4	0.2556	1.1	0.81	1467	15	1593	11	1763	15	1763	15	83
RO-7	58	168	348671	1.6	9.2631	0.8	4.6409	1.6	0.3119	1.4	0.87	1750	22	1757	13	1764	14	1764	14	99
RO-7	59	242	212023	0.9	9.2313	0.7	4.5843	1.4	0.3071	1.2	0.85	1726	17	1746	11	1771	13	1771	13	97
RO-7	60	120	115835	0.9	10.3089	0.8	3.4733	1.6	0.2598	1.3	0.84	1489	17	1521	12	1566	16	1566	16	95
RO-7	61	161	147672	2.2	9.3374	0.8	4.6345	1.6	0.3140	1.3	0.84	1760	20	1756	13	1750	16	1750	16	101
RO-7	62	107	90702	1.8	9.0129	1.1	4.8828	1.7	0.3193	1.2	0.73	1786	19	1799	14	1814	21	1814	21	98
RO-7	63	218	201769	1.9	9.1460	0.9	4.7546	1.7	0.3155	1.5	0.85	1768	23	1777	15	1788	17	1788	17	99
RO-7	64	258	149329	0.9	9.0169	0.7	4.4683	1.1	0.2923	0.9	0.80	1653	13	1725	9	1813	12	1813	12	91
RO-7	65	1208	37612	2.2	10.0080	0.8	3.1709	1.8	0.2303	1.6	0.89	1336	20	1450	14	1622	15	1622	15	82
RO-7	66	416	666855	1.2	10.4960	0.7	3.4264	1.3	0.2609	1.1	0.86	1495	15	1510	10	1533	13	1533	13	98

RO-7	67	116	73056	1.6	9.2037	0.9	4.5669	1.7	0.3050	1.5	0.85	1716	22	1743	14	1776	16	1776	16	97
RO-7	68	124	63889	1.2	10.3763	1.0	3.5221	1.6	0.2652	1.3	0.81	1516	18	1532	13	1554	18	1554	18	98
RO-7	69	197	51194	1.3	9.2166	0.8	4.6794	1.4	0.3129	1.1	0.83	1755	18	1764	12	1774	14	1774	14	99
RO-7	70	285	56019	1.1	10.2377	1.0	3.4453	1.6	0.2559	1.2	0.78	1469	16	1515	12	1579	19	1579	19	93
RO-7	71	154	69021	1.5	9.1493	0.9	4.8273	1.6	0.3205	1.2	0.80	1792	19	1790	13	1787	17	1787	17	100
RO-7	72	201	41530	1.3	9.0114	0.7	4.4743	1.3	0.2926	1.1	0.84	1654	16	1726	11	1815	13	1815	13	91
RO-7	73	237	55558	1.6	10.2865	0.7	3.7021	1.0	0.2763	0.8	0.77	1573	11	1572	8	1571	12	1571	12	100
RO-7	74	140	54777	1.7	9.1226	0.8	4.8581	1.3	0.3216	1.1	0.81	1797	17	1795	11	1792	14	1792	14	100
RO-7	75	216	117772	0.9	10.3977	0.7	3.5484	1.3	0.2677	1.1	0.85	1529	15	1538	10	1550	13	1550	13	99
RO-7	76	235	36184	1.1	10.1348	0.8	3.5143	1.4	0.2584	1.2	0.84	1482	16	1530	11	1598	14	1598	14	93
RO-7	77	147	79559	1.3	9.0095	0.7	4.7955	1.4	0.3135	1.2	0.85	1758	18	1784	11	1815	13	1815	13	97
RO-7	78	272	102019	0.9	9.1132	0.8	4.6727	1.3	0.3090	1.0	0.76	1736	15	1762	11	1794	15	1794	15	97
RO-7	79	200	2726972	1.1	10.5794	0.7	3.4875	1.5	0.2677	1.3	0.87	1529	18	1524	12	1518	14	1518	14	101
RO-7	80	125	99541	1.4	9.3304	0.7	4.7688	1.3	0.3228	1.1	0.82	1804	17	1779	11	1751	13	1751	13	103
RO-7	81	127	134837	1.8	9.2125	0.6	4.6754	1.4	0.3125	1.2	0.89	1753	19	1763	12	1774	12	1774	12	99
RO-7	82	166	71669	1.2	10.4961	0.6	3.4600	1.1	0.2635	0.9	0.83	1508	12	1518	9	1533	12	1533	12	98
RO-7	83	93	346567	1.5	9.0565	0.7	4.7389	1.4	0.3114	1.2	0.85	1748	18	1774	12	1805	13	1805	13	97
RO-7	84	346	95794	1.3	9.2579	0.8	4.6342	1.1	0.3113	0.8	0.72	1747	12	1755	9	1765	14	1765	14	99
RO-7	85	292	76077	0.7	9.0137	0.6	4.7782	1.2	0.3125	1.0	0.86	1753	16	1781	10	1814	11	1814	11	97
RO-7	86	1601	723	0.7	3.3987	1.3	3.9317	3.2	0.0970	2.9	0.91	597	16	1620	26	3439	20	3439	20	17
RO-7	87	169	125307	1.2	9.0908	0.6	4.7267	1.2	0.3118	1.0	0.87	1749	16	1772	10	1799	11	1799	11	97
RO-7	88	202	70503	1.4	10.3769	0.7	3.5317	1.4	0.2659	1.3	0.88	1520	17	1534	11	1554	13	1554	13	98
RO-7	89	352	36296	1.0	8.8974	0.8	4.4536	1.4	0.2875	1.2	0.85	1629	17	1722	12	1838	14	1838	14	89
RO-7	90	266	1344444	1.3	10.4210	0.6	3.5281	1.2	0.2668	1.0	0.86	1524	14	1534	10	1546	11	1546	11	99
RO-7	91	1593	2554	5.8	5.7805	0.8	1.7170	2.8	0.0720	2.7	0.96	448	12	1015	18	2586	13	2586	13	17
RO-7	92	186	974153	1.0	9.4021	0.9	4.4798	1.5	0.3056	1.2	0.82	1719	19	1727	13	1737	16	1737	16	99
RO-7	93	147	271262	1.7	9.2352	1.0	4.6502	1.5	0.3116	1.1	0.74	1749	17	1758	13	1770	19	1770	19	99
RO-7	94	100	42631	1.3	10.2301	0.9	3.5632	1.3	0.2645	0.9	0.74	1513	13	1541	10	1581	16	1581	16	96
RO-7	95	1456	7547	2.0	8.9173	1.0	3.9922	1.6	0.2583	1.2	0.77	1481	16	1633	13	1834	19	1834	19	81
RO-7	96	208	105061	1.1	8.9746	0.8	4.2789	1.6	0.2786	1.4	0.88	1584	20	1689	13	1822	14	1822	14	87
RO-7	97	906	8513	1.7	9.0217	1.3	3.9212	1.8	0.2567	1.2	0.69	1473	16	1618	15	1812	24	1812	24	81
RO-7	98	194	48258	1.8	8.9785	1.3	4.6859	1.9	0.3053	1.4	0.74	1717	21	1765	16	1821	24	1821	24	94
RO-7	99	457	14414	1.9	9.5422	1.3	3.4835	2.0	0.2412	1.5	0.75	1393	19	1523	16	1710	24	1710	24	81
RO-7	100	365	72577	1.2	10.3558	0.8	3.3782	1.4	0.2538	1.2	0.83	1458	15	1499	11	1558	15	1558	15	94
RO-7	101	182	188510	1.7	9.1194	0.5	4.7796	1.1	0.3163	0.9	0.87	1771	14	1781	9	1793	9	1793	9	99
RO-7	102	244	93332	1.7	9.1907	1.0	4.5965	1.7	0.3065	1.4	0.81	1724	21	1749	14	1779	18	1779	18	97
RO-7	103	216	83080	1.2	9.3188	0.8	4.5849	1.6	0.3100	1.3	0.86	1741	21	1747	13	1753	15	1753	15	99
RO-7	104	125	107454	0.8	10.4756	0.8	3.5277	1.4	0.2681	1.2	0.82	1531	16	1533	11	1536	16	1536	16	100
RO-7	105	248	76709	1.3	9.0115	1.0	4.5066	1.9	0.2947	1.6	0.84	1665	24	1732	16	1815	19	1815	19	92
RO-7	106	123	24423	1.5	9.8136	1.1	3.4994	2.0	0.2492	1.7	0.84	1434	21	1527	16	1658	20	1658	20	86
RO-7	107	1326	58865	2.0	10.3405	0.8	3.5135	1.7	0.2636	1.5	0.88	1508	20	1530	13	1561	15	1561	15	97
RO-7	108	54	29436	1.2	10.2343	1.2	3.5137	1.9	0.2609	1.4	0.75	1495	19	1530	15	1580	23	1580	23	95
RO-7	109	109	65178	1.7	7.4315	1.1	7.2155	1.6	0.3891	1.2	0.75	2119	22	2138	15	2158	19	2158	19	98
RO-7	110	206	56893	0.7	8.2189	0.8	5.8390	1.7	0.3482	1.5	0.88	1926	25	1952	15	1980	14	1980	14	97
RO-7	111	137	27458	1.4	10.1053	0.9	3.7506	2.1	0.2750	1.9	0.90	1566	27	1582	17	1604	17	1604	17	98
RO-7	112	111	2278638	1.4	9.1839	0.7	4.6038	1.2	0.3068	1.0	0.83	1725	16	1750	10	1780	13	1780	13	97
RO-7	113	377	51009	2.0	9.0715	0.8	4.3642	1.7	0.2873	1.5	0.88	1628	21	1706	14	1802	14	1802	14	90
RO-7	114	287	216346	1.1	10.3954	0.8	3.4713	2.0	0.2618	1.8	0.91	1499	25	1521	16	1551	15	1551	15	97
RO-7	115	90	57013	2.0	9.0521	1.2	4.7993	2.1	0.3152	1.8	0.82	1766	27	1785	18	1806	22	1806	22	98
RO-7	116	594	45968	1.4	10.1451	0.9	3.5523	1.5	0.2615	1.2	0.80	1497	16	1539	12	1596	17	1596	17	94
RO-7	117	210	61886	1.0	10.3356	0.9	3.5174	1.6	0.2638	1.3	0.82	1509	17	1531	12	1562	17	1562	17	97
RO-7	118	184	48821	1.0	10.1915	0.7	3.3745	1.7	0.2495	1.5	0.90	1436	19	1498	13	1588	14	1588	14	90
RO-7	119	237	54952	1.0	9.3752	0.8	4.5718	1.9	0.3110	1.7	0.91	1746	26	1744	16	1742	15	1742	15	100
RO-7	120	234	136610	1.2	8.9508	0.8	4.7186	1.6	0.3065	1.4	0.88	1723	21	1771	14	1827	14	1827	14	94
RO-7	121	978	2045	1.3	6.0124	2.5	2.0552	3.6	0.0897	2.6	0.72	554	14	1134	25	2520	42	2520	42	22
RO-7	122	319	38124	1.1	8.8987	0.7	4.8659	1.2	0.3142	1.0	0.81	1761	15	1796	10	1837	12	1837	12	96
RO-7	123	272	516742	1.8	9.2918	0.7	4.6311	1.7	0.3122	1.5	0.91	1752	23	1755	14	1759	12	1759	12	100
RO-7	124	173	38685	1.5	9.8830	1.2	3.5019	2.0	0.2511	1.6	0.80	1444	20	1528	15	1645	22	1645	22	88
RO-7	125	177	143467	0.9	9.2685	0.7	4.6539	1.3	0.3130	1.1	0.85	1755	16	1759	11	1763	12	1763	12	100
RO-7	126	709	29931	1.5	9.9862	1.0	3.4596	1.7	0.2507	1.3	0.79	1442	17	1518	13	1626	19	1626	19	89
RO-7	127	84	52822	1.6	9.1164	0.9	4.7266	1.6	0.3127	1.3	0.84	1754	20	1772	13	1794	16	1794	16	98
RO-7	128	151	109263	2.1	9.2318	1.0	4.5681	1.6	0.3060	1.2	0.77	1721	18	1743	13	1771	18	1771	18	97
RO-7	129	356	39596	0.9	9.0834	0.7	4.5720	1.3	0.3013	1.1	0.83	1698	16	1744	11	1800	13	1800	13	94
RO-7	130	168	173970	1.3	10.3596	0.9	3.6299	1.6	0.2729	1.3	0.82	1555	18	1556	13	1557	17	1557	17	100
RO-7	131	140	111669	0.9	10.0280	1.0	3.2201	1.5	0.2343	1.2	0.77	1357	15	1462	12	1618	18	1618	18	84
RO-7	132	139	36396	1.0	8.8250	1.0	4.0685	2.2	0.2605	1.9	0.88	1492	25	1648	18	1852	19	1852	19	81
RO-7	133	176	16934	0.8	8.6435	0.5	4.5005	1.0	0.2823	0.9	0.86	1603	12	1731	8	1890	9	1890	9	85

RO-7	134	1894	747	1.9	3.3828	2.0	3.1057	2.9	0.0762	2.2	0.74	474	10	1434	22	3447	31	3447	31	14
RO-7	135	281	20755	0.7	8.8773	0.6	4.0393	1.4	0.2602	1.2	0.89	1491	16	1642	11	1842	11	1842	11	81
RO-7	136	160	24983	0.9	9.1397	0.7	4.6844	1.0	0.3107	0.7	0.74	1744	11	1764	8	1789	12	1789	12	97
RO-7	137	103	30556	1.4	9.2689	0.9	4.7188	1.5	0.3174	1.1	0.79	1777	18	1771	12	1763	16	1763	16	101
RO-7	138	246	135828	1.4	10.2805	0.7	3.5455	1.4	0.2645	1.2	0.86	1513	17	1537	11	1572	14	1572	14	96
RO-7	139	263	75667	1.7	10.2808	0.9	3.5828	1.5	0.2673	1.2	0.80	1527	16	1546	12	1572	17	1572	17	97
RO-7	140	307	85624	1.6	9.2360	0.7	4.6917	1.2	0.3144	0.9	0.81	1762	15	1766	10	1770	13	1770	13	100
RO-7	141	222	27519	0.8	8.8251	1.0	4.2657	1.8	0.2731	1.4	0.81	1557	20	1687	14	1852	19	1852	19	84
RO-7	142	172	57926	1.3	9.0068	0.8	4.4941	1.9	0.2937	1.7	0.91	1660	25	1730	15	1815	14	1815	14	91
RO-7	143	471	20012	1.2	8.7986	0.6	4.2335	1.3	0.2703	1.2	0.91	1542	17	1681	11	1858	10	1858	10	83
RO-7	144	1008	2425	1.6	6.2990	1.5	1.7573	3.1	0.0803	2.7	0.88	498	13	1030	20	2442	25	2442	25	20
RO-7	145	352	36182	1.0	9.0241	0.6	4.4001	1.3	0.2881	1.2	0.90	1632	17	1712	11	1812	11	1812	11	90
RO-7	146	170	82821	1.6	9.1756	0.8	4.7472	1.7	0.3161	1.5	0.87	1770	23	1776	14	1782	15	1782	15	99
RO-7	147	99	7670	1.2	8.8068	3.1	4.1843	3.3	0.2674	1.2	0.37	1527	17	1671	27	1856	56	1856	56	82
RO-7	148	249	1052201	2.2	9.2406	0.7	4.7237	1.2	0.3167	0.9	0.81	1774	15	1771	10	1769	13	1769	13	100
RO-7	149	185	542085	1.5	9.2459	0.7	4.6486	1.4	0.3119	1.2	0.85	1750	19	1758	12	1768	14	1768	14	99
RO-7	150	151	80017	1.2	8.9807	1.0	4.5245	1.6	0.2948	1.3	0.80	1666	19	1735	13	1821	18	1821	18	91
RO-7	151	207	218472	1.8	9.3271	0.7	4.6766	1.1	0.3165	0.9	0.80	1773	14	1763	9	1752	12	1752	12	101
RO-7	152	204	108022	1.6	9.1612	0.8	4.7258	1.3	0.3141	1.0	0.81	1761	16	1772	11	1785	14	1785	14	99
RO-7	153	148	94335	2.1	9.2772	0.7	4.7458	1.1	0.3195	0.9	0.81	1787	15	1775	10	1762	12	1762	12	101
RO-7	154	272	1062481	1.3	9.2965	0.8	4.6865	1.4	0.3161	1.2	0.85	1771	19	1765	12	1758	14	1758	14	101
RO-7	155	78	26788	1.3	10.4632	0.6	3.4608	1.2	0.2627	1.0	0.86	1504	14	1518	10	1539	12	1539	12	98
RO-7	156	248	339391	1.1	9.1938	0.8	4.6405	1.4	0.3096	1.2	0.84	1739	18	1757	12	1778	14	1778	14	98
RO-7	157	282	1489177	1.7	9.3331	0.8	4.5652	1.2	0.3092	0.9	0.72	1737	13	1743	10	1751	15	1751	15	99
RO-7	158	222	137120	2.0	9.2143	0.7	4.6936	1.1	0.3138	0.9	0.78	1759	14	1766	9	1774	13	1774	13	99
RO-7	159	133	556895	1.0	10.5618	0.5	3.4788	1.1	0.2666	1.0	0.87	1523	13	1522	9	1521	10	1521	10	100
RO-7	160	303	48911	0.9	8.9807	0.6	4.2639	1.3	0.2778	1.2	0.89	1581	17	1686	11	1821	11	1821	11	87
RO-7	161	230	28136836	0.9	10.1132	1.0	3.5283	1.7	0.2589	1.4	0.80	1484	18	1534	13	1602	19	1602	19	93
RO-7	162	112	54356	1.0	10.4343	0.8	3.4865	1.3	0.2640	1.1	0.82	1510	15	1524	11	1544	14	1544	14	98
RO-7	163	199	145001	1.2	10.3826	0.7	3.4919	1.1	0.2631	0.9	0.81	1505	12	1525	9	1553	12	1553	12	97
RO-7	164	366	9403	0.9	8.1599	1.0	4.7541	2.2	0.2815	1.9	0.89	1599	27	1777	18	1993	18	1993	18	80
RO-7	165	199	114900	1.6	9.1601	0.6	4.7505	1.2	0.3157	1.0	0.84	1769	16	1776	10	1785	12	1785	12	99
RO-7	166	277	30961	1.7	8.8143	0.6	4.7310	1.2	0.3026	1.0	0.85	1704	15	1773	10	1855	11	1855	11	92
RO-7	167	119	41905	1.1	10.3224	0.7	3.7077	1.1	0.2777	0.9	0.79	1580	12	1573	9	1564	13	1564	13	101
RO-7	168	256	14146	0.8	8.5370	1.0	4.3301	2.0	0.2682	1.7	0.86	1532	24	1699	17	1912	18	1912	18	80
RO-7	169	585	66017	1.3	9.2453	0.6	4.5155	1.4	0.3029	1.3	0.91	1706	19	1734	12	1768	11	1768	11	96
RO-7	170	1797	2410	2.1	5.8265	3.2	1.7709	4.4	0.0749	3.0	0.69	465	14	1035	29	2573	54	2573	54	18
RO-7	171	297	50673	1.7	9.0055	0.7	3.9696	1.4	0.2594	1.2	0.86	1487	16	1628	12	1816	13	1816	13	82
RO-7	172	404	283645	1.1	9.3482	0.8	4.5369	1.2	0.3077	0.9	0.77	1730	14	1738	10	1748	14	1748	14	99
RO-7	173	259	101786	0.9	9.3621	3.2	4.3850	5.0	0.2979	3.9	0.76	1681	57	1710	42	1745	60	1745	60	96
RO-7	174	702	4434	2.6	7.6885	1.6	1.8078	2.5	0.1009	1.9	0.77	619	11	1048	16	2098	28	2098	28	30
RO-7	175	164	316798	1.7	9.0409	0.7	4.7349	1.3	0.3106	1.1	0.84	1744	17	1773	11	1809	13	1809	13	96
RO-7	176	234	13281	1.0	8.5352	0.9	4.5821	2.1	0.2838	1.9	0.91	1610	28	1746	18	1913	15	1913	15	84
RO-7	177	194	81590	1.4	9.0335	0.8	4.6651	1.6	0.3058	1.4	0.88	1720	22	1761	14	1810	14	1810	14	95
RO-7	178	60	195315	1.6	9.0934	0.9	4.6239	1.8	0.3051	1.6	0.88	1716	25	1754	15	1798	16	1798	16	95
RO-7	179	316	36727	1.3	9.9436	1.2	3.1660	2.2	0.2284	1.9	0.85	1326	23	1449	17	1634	22	1634	22	81
RO-7	180	1412	2335	0.9	6.7664	1.3	2.2415	2.4	0.1100	2.0	0.83	673	13	1194	17	2320	23	2320	23	29
RO-7	181	494	27687	1.6	9.7679	0.8	3.2889	1.5	0.2331	1.3	0.87	1351	16	1478	12	1667	14	1667	14	81
RO-7	182	130	24383	0.5	10.4052	0.7	3.3818	1.4	0.2553	1.2	0.85	1466	15	1500	11	1549	13	1549	13	95
RO-7	183	280	39978	0.9	8.9137	0.7	4.2468	1.4	0.2747	1.2	0.85	1564	16	1683	11	1834	13	1834	13	85
RO-7	184	261	33688	2.6	10.1093	0.8	3.5693	1.2	0.2618	0.9	0.74	1499	12	1543	10	1603	16	1603	16	94
RO-7	185	1550	2978	4.9	6.3172	0.9	2.0365	1.8	0.0933	1.5	0.85	575	8	1128	12	2437	16	2437	16	24
RO-7	186	209	212456	1.3	9.1901	0.8	4.7230	1.0	0.3149	0.7	0.68	1765	11	1771	9	1779	14	1779	14	99
RO-7	187	194	213291	1.1	9.1909	1.2	4.7278	1.6	0.3153	1.1	0.70	1767	18	1772	14	1779	21	1779	21	99
RO-7	188	112	42931	1.5	8.8347	0.9	4.9091	1.5	0.3147	1.2	0.81	1764	18	1804	12	1850	16	1850	16	95
RO-7	189	165	118130	1.8	9.3417	0.6	4.7742	1.2	0.3236	1.0	0.86	1807	16	1780	10	1749	12	1749	12	103
RO-7	190	276	178751	1.3	10.3659	0.7	3.4742	1.2	0.2613	1.0	0.83	1497	13	1521	9	1556	12	1556	12	96
RO-7	191	1483	94542	1.5	10.3849	0.8	3.4378	1.3	0.2590	1.0	0.79	1485	14	1513	10	1553	15	1553	15	96
RO-7	192	275	25275	1.0	8.7805	0.8	4.6566	1.3	0.2967	1.0	0.79	1675	15	1759	11	1862	14	1862	14	90
RO-7	193	93	81359	1.7	8.8793	0.8	4.9481	1.4	0.3188	1.2	0.81	1784	18	1810	12	1841	15	1841	15	97
RO-7	194	68	18784	1.1	9.1868	1.4	3.8228	2.0	0.2548	1.4	0.71	1463	18	1598	16	1779	25	1779	25	82
RO-7	195	313	95737	1.5	10.2234	0.7	3.4194	1.6	0.2536	1.5	0.91	1457	19	1509	13	1582	13	1582	13	92
RO-7	196	168	2600295	1.9	9.2924	0.8	4.6966	1.3	0.3167	1.1	0.81	1773	16	1767	11	1759	14	1759	14	101
RO-7	197	314	133922	1.5	9.3310	0.8	4.4884	1.2	0.3039	0.8	0.71	1711	12	1729	10	1751	15	1751	15	98
RO-7	198	119	81049	1.2	9.2780	0.6	4.8006	1.1	0.3232	0.9	0.84	1805	15	1785	9	1761	11	1761	11	102
RO-7	199	420	23695	1.7	9.8644	1.2	3.2604	1.7	0.2334	1.3	0.74	1352	16	1472	14	1649	22	1649	22	82
RO-7	200	92	27720	1.2	10.3608	1.1	3.6004	2.1	0.2707	1.8	0.84	1544	24	1550	17	1557	21	1557	21	99

RO-7	201	129	148317	1.7	9.0814	0.7	4.8543	1.4	0.3199	1.3	0.87	1789	20	1794	12	1800	13	1800	13	99
RO-7	202	187	456323	1.7	9.1304	0.9	4.7654	1.5	0.3157	1.2	0.82	1769	19	1779	13	1791	16	1791	16	99
RO-7	203	119	519735	2.1	9.2180	0.9	4.7413	2.0	0.3171	1.8	0.90	1776	27	1775	16	1773	16	1773	16	100
RO-7	204	437	90630	1.8	9.3682	0.6	4.6132	1.0	0.3136	0.8	0.80	1758	12	1752	8	1744	11	1744	11	101
RO-7	205	124	74256	2.2	9.4370	0.9	4.5950	1.7	0.3146	1.4	0.83	1763	22	1748	14	1730	17	1730	17	102
RO-7	206	76	91118	1.5	9.2071	1.0	4.6527	1.6	0.3108	1.2	0.77	1745	19	1759	13	1775	18	1775	18	98
RO-7	207	317	87884	1.3	9.2397	0.6	4.6133	1.3	0.3093	1.2	0.89	1737	18	1752	11	1769	11	1769	11	98
RO-7	208	210	36157	1.1	10.2248	0.7	3.5334	1.3	0.2621	1.2	0.87	1501	15	1535	11	1582	12	1582	12	95
RO-7	209	188	65148	1.9	8.6787	1.0	4.8868	1.7	0.3077	1.4	0.81	1730	21	1800	14	1883	18	1883	18	92
RO-7	210	324	113696	1.5	9.3268	0.6	4.6142	1.1	0.3123	0.9	0.81	1752	14	1752	9	1752	12	1752	12	100
RO-7	211	376	88135	1.7	9.1792	0.7	4.3962	1.9	0.2928	1.7	0.93	1656	25	1712	15	1781	12	1781	12	93
RO-7	212	619	67830	1.0	10.3571	0.6	3.4178	1.5	0.2568	1.3	0.90	1474	17	1508	12	1558	12	1558	12	95
RO-7	213	195	113465	1.4	9.2604	0.7	4.6297	1.2	0.3111	0.9	0.81	1746	14	1755	10	1765	12	1765	12	99
RO-7	214	207	141036	1.7	9.2751	0.8	4.7910	1.1	0.3224	0.8	0.73	1802	13	1783	10	1762	14	1762	14	102
RO-7	215	291	790410	1.2	8.9138	0.7	4.9272	1.4	0.3187	1.2	0.86	1783	19	1807	12	1834	13	1834	13	97
RO-7	216	417	1501509	1.3	10.3305	0.9	3.5528	1.6	0.2663	1.3	0.82	1522	17	1539	12	1563	17	1563	17	97
RO-7	217	109	93186	1.3	9.1864	0.7	4.8217	1.3	0.3214	1.1	0.84	1796	17	1789	11	1780	12	1780	12	101
RO-7	218	214	85448	0.8	9.1582	0.8	4.5308	1.3	0.3011	1.1	0.80	1697	16	1737	11	1785	14	1785	14	95
RO-7	219	360	114928	1.4	9.2324	0.9	4.4026	1.5	0.2949	1.1	0.77	1666	17	1713	12	1770	17	1770	17	94
RO-7	220	151	93310	1.6	9.0477	0.9	4.6847	1.5	0.3075	1.2	0.78	1729	17	1765	12	1807	17	1807	17	96
RO-7	221	195	95319	1.1	9.0350	0.7	4.2510	1.2	0.2787	0.9	0.79	1585	13	1684	10	1810	13	1810	13	88
RO-7	222	367	183779	1.0	9.3196	0.8	4.5358	1.3	0.3067	1.1	0.81	1725	16	1738	11	1753	14	1753	14	98
RO-7	223	112	5765	2.0	7.2626	4.5	7.7115	4.8	0.4064	1.5	0.31	2198	28	2198	43	2198	78	2198	78	100
RO-7	224	264	96804	1.0	10.5460	0.8	3.4227	1.3	0.2619	1.1	0.79	1500	14	1510	10	1524	15	1524	15	98
RO-7	225	52	67412	1.3	9.1609	0.8	4.4565	1.5	0.2962	1.3	0.86	1673	19	1723	12	1785	14	1785	14	94

RO-8	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
RO-8	1	250	113306	2.2	11.6115	0.7	2.6533	1.2	0.2235	1.0	0.80	1301	11	1316	9	1340	14	1340	14	97
RO-8	2	156	177346	2.2	10.5784	0.8	3.4095	1.1	0.2617	0.8	0.68	1499	10	1507	9	1518	16	1518	16	99
RO-8	3	393	358218	2.0	11.6438	0.6	2.8398	1.1	0.2399	1.0	0.87	1386	12	1366	9	1335	11	1335	11	104
RO-8	4	638	379191	2.2	10.4124	0.5	3.4942	1.0	0.2640	0.8	0.85	1510	11	1526	8	1548	10	1548	10	98
RO-8	5	129	44388	2.1	10.3949	0.7	3.5749	1.3	0.2696	1.1	0.83	1539	15	1544	10	1551	13	1551	13	99
RO-8	6	550	385919	5.6	10.3912	0.6	3.6123	1.0	0.2724	0.8	0.83	1553	11	1552	8	1552	10	1552	10	100
RO-8	7	286	32096	2.1	12.3537	0.8	2.1941	1.0	0.1967	0.6	0.60	1157	6	1179	7	1219	15	1219	15	95
RO-8	8	195	94947	2.0	10.4399	0.7	3.6401	1.2	0.2757	1.0	0.81	1570	14	1558	10	1543	13	1543	13	102
RO-8	9	94	82328	1.7	11.7507	0.9	2.5512	1.4	0.2175	1.0	0.74	1269	12	1287	10	1317	18	1317	18	96
RO-8	10	385	114765	2.8	10.4682	0.7	3.5820	1.2	0.2721	0.9	0.80	1551	13	1546	9	1538	13	1538	13	101
RO-8	11	172	833369	1.0	10.5193	0.5	3.5303	0.9	0.2695	0.7	0.83	1538	10	1534	7	1528	9	1528	9	101
RO-8	12	666	36678	2.4	9.7718	0.8	3.8852	1.2	0.2755	0.8	0.72	1569	12	1611	10	1666	15	1666	15	94
RO-8	13	278	722477	1.5	10.2942	0.6	3.6994	1.2	0.2763	1.1	0.87	1573	15	1571	10	1569	11	1569	11	100
RO-8	14	186	209088	1.8	10.3705	0.7	3.5679	1.2	0.2685	0.9	0.79	1533	13	1542	9	1555	13	1555	13	99
RO-8	15	121	106734	1.8	11.1217	0.8	3.0956	1.0	0.2498	0.7	0.65	1437	9	1432	8	1423	15	1423	15	101
RO-8	16	375	16079	2.1	10.3076	0.7	3.1202	1.0	0.2334	0.8	0.76	1352	10	1438	8	1567	13	1567	13	86
RO-8	17	385	564106	2.6	11.6453	0.7	2.8035	1.2	0.2369	0.9	0.79	1370	11	1356	9	1334	14	1334	14	103
RO-8	18	534	704535	2.4	13.5190	0.7	1.7940	1.1	0.1760	0.8	0.76	1045	8	1043	7	1040	15	1040	15	100
RO-8	19	1843	118141	2.4	10.1574	0.7	3.7238	1.3	0.2744	1.1	0.86	1563	15	1577	10	1594	12	1594	12	98
RO-8	20	149	448195	4.2	10.5047	0.6	3.5056	1.0	0.2672	0.9	0.82	1527	12	1528	8	1531	11	1531	11	100
RO-8	21	487	99543	2.4	10.3404	0.7	3.5936	1.2	0.2696	0.9	0.79	1539	13	1548	9	1561	13	1561	13	99
RO-8	22	152	117648	0.8	10.5418	0.6	3.6083	1.1	0.2760	1.0	0.83	1571	13	1551	9	1524	12	1524	12	103
RO-8	23	175	631536	2.2	10.5383	0.6	3.5275	1.1	0.2697	0.9	0.85	1539	13	1533	9	1525	11	1525	11	101
RO-8	24	122	70813	2.2	10.6007	0.7	3.5126	1.1	0.2702	0.8	0.76	1542	12	1530	9	1514	14	1514	14	102
RO-8	25	167	115123	2.5	10.2930	0.7	3.7255	1.2	0.2782	0.9	0.79	1582	13	1577	9	1569	13	1569	13	101
RO-8	26	245	783067	1.8	10.5248	0.7	3.5591	1.2	0.2718	1.0	0.82	1550	13	1540	9	1527	12	1527	12	101
RO-8	27	149	5047	1.0	5.0159	1.0	12.5532	1.3	0.4569	0.8	0.65	2426	17	2647	12	2820	16	2820	16	86
RO-8	28	244	17733	1.7	8.0615	0.7	5.8509	1.1	0.3422	0.8	0.73	1897	13	1954	9	2014	13	2014	13	94
RO-8	29	278	113855	1.4	10.5500	0.8	3.6586	1.3	0.2801	1.0	0.78	1592	14	1562	10	1523	15	1523	15	105
RO-8	30	275	303111	2.3	10.4066	0.8	3.4749	1.2	0.2624	1.0	0.77	1502	13	1522	10	1549	15	1549	15	97
RO-8	31	105	90012	2.2	10.7995	0.7	3.2847	1.3	0.2574	1.1	0.83	1476	14	1477	10	1479	14	1479	14	100
RO-8	32	364	172071	2.2	10.6231	0.6	3.4608	1.0	0.2668	0.9	0.83	1524	12	1518	8	1510	11	1510	11	101
RO-8	33	382	108851	1.7	10.4371	0.7	3.6760	1.2	0.2784	1.0	0.83	1583	14	1566	10	1543	13	1543	13	103
RO-8	34	224	227888	2.5	10.4210	0.6	3.6394	1.1	0.2752	0.9	0.83	1567	13	1558	9	1546	11	1546	11	101
RO-8	35	186	99832	1.6	10.4527	0.6	3.5452	1.1	0.2689	0.9	0.82	1535	13	1537	9	1540	12	1540	12	100
RO-8	36	383	214761	3.0	10.2239	0.8	3.7418	1.2	0.2776	0.9	0.76	1579	13	1580	9	1582	14	1582	14	100
RO-8	37	173	40481	2.0	10.2897	0.6	3.6732	1.2	0.2742	1.0	0.86	1562	14	1566	10	1570	11	1570	11	100
RO-8	38	395	18405	2.6	9.6514	0.8	3.9045	1.1	0.2734	0.8	0.71	1558	11	1615	9	1689	15	1689	15	92
RO-8	39	173	53175	2.6	13.7492	0.6	1.7561	1.1	0.1752	0.9	0.85	1041	9	1029	7	1006	12	1006	12	103

RO-8	40	185	265222	3.0	11.5513	0.7	2.8090	1.2	0.2354	1.0	0.82	1363	12	1358	9	1350	14	1350	14	101
RO-8	41	302	161419	1.0	11.4534	0.6	2.9544	1.1	0.2455	0.9	0.80	1415	11	1396	8	1366	12	1366	12	104
RO-8	42	478	77311	2.1	10.2778	0.6	3.7973	1.1	0.2832	1.0	0.86	1607	14	1592	9	1572	11	1572	11	102
RO-8	43	98	80312	1.5	11.8514	0.8	2.7270	1.2	0.2345	0.9	0.76	1358	11	1336	9	1300	15	1300	15	104
RO-8	44	533	41646	4.0	12.2673	0.8	2.2543	1.2	0.2007	1.0	0.78	1179	10	1198	9	1233	15	1233	15	96
RO-8	45	281	103307	2.0	10.3277	0.6	3.5481	1.2	0.2659	1.0	0.83	1520	13	1538	9	1563	12	1563	12	97
RO-8	46	247	95604	2.3	10.4230	0.6	3.5431	1.2	0.2680	1.0	0.85	1530	13	1537	9	1546	11	1546	11	99
RO-8	47	1273	6415532	2.5	10.2275	0.5	3.9133	1.2	0.2904	1.1	0.90	1644	16	1616	10	1581	10	1581	10	104
RO-8	48	168	115430	1.9	10.9956	0.6	3.1966	0.9	0.2550	0.7	0.72	1464	9	1456	7	1445	12	1445	12	101
RO-8	49	215	100547	2.0	10.6099	0.7	3.4326	1.4	0.2643	1.2	0.87	1512	16	1512	11	1512	13	1512	13	100
RO-8	50	265	89546	2.5	10.5252	0.7	3.3904	1.4	0.2589	1.2	0.85	1484	16	1502	11	1527	14	1527	14	97
RO-8	51	376	104379	2.0	10.2322	0.5	3.7502	1.1	0.2784	1.0	0.89	1583	14	1582	9	1580	9	1580	9	100
RO-8	52	142	1925929	1.6	11.6105	0.9	2.6607	1.3	0.2241	1.0	0.77	1304	12	1318	10	1340	16	1340	16	97
RO-8	53	86	24389	2.8	10.3777	0.8	3.7794	1.3	0.2846	1.1	0.80	1614	15	1588	11	1554	15	1554	15	104
RO-8	54	381	101089	2.5	10.4060	0.5	3.5954	1.0	0.2715	0.8	0.84	1548	11	1549	8	1549	10	1549	10	100
RO-8	55	217	425833	1.8	9.6915	0.6	4.1970	1.1	0.2951	1.0	0.83	1667	14	1673	9	1681	12	1681	12	99
RO-8	56	266	77515	1.8	10.0390	0.7	3.7342	1.2	0.2720	0.9	0.80	1551	13	1579	10	1616	13	1616	13	96
RO-8	57	475	19576	0.9	8.6343	0.7	4.9459	1.1	0.3099	0.9	0.77	1740	13	1810	10	1892	13	1892	13	92
RO-8	58	469	7870	1.8	8.7936	0.7	4.2096	1.1	0.2686	0.9	0.80	1534	12	1676	9	1859	12	1859	12	83
RO-8	59	178	116179	2.1	9.3586	0.8	4.7060	1.1	0.3196	0.8	0.71	1788	12	1768	9	1746	14	1746	14	102
RO-8	60	67	11441221	2.3	11.7398	0.9	2.5972	1.3	0.2212	1.0	0.73	1288	11	1300	10	1319	18	1319	18	98
RO-8	61	155	215173	1.5	8.6088	0.5	5.7835	0.9	0.3613	0.8	0.82	1988	13	1944	8	1897	10	1897	10	105
RO-8	62	1671	9916	2.8	8.9935	1.1	3.9511	1.7	0.2578	1.3	0.77	1479	17	1624	14	1818	20	1818	20	81
RO-8	63	182	67838	3.9	12.7076	0.9	2.2011	1.3	0.2029	0.9	0.73	1191	10	1181	9	1164	18	1164	18	102
RO-8	64	394	177777	2.0	9.2947	0.5	4.5903	1.0	0.3096	0.8	0.85	1739	13	1748	8	1758	10	1758	10	99
RO-8	65	208	92648	2.1	9.2379	0.6	4.6243	1.2	0.3100	1.0	0.83	1741	15	1754	10	1769	12	1769	12	98
RO-8	66	248	1628932	2.6	10.5839	0.6	3.4283	1.1	0.2633	0.9	0.84	1507	12	1511	8	1517	11	1517	11	99
RO-8	67	37	94009	1.4	10.4778	0.8	3.4746	1.3	0.2642	1.0	0.76	1511	13	1521	10	1536	16	1536	16	98
RO-8	68	494	65756	2.1	9.4316	0.6	4.3261	1.0	0.2961	0.9	0.85	1672	13	1698	9	1731	10	1731	10	97
RO-8	69	322	18480	3.1	11.0027	1.4	2.8527	1.7	0.2277	1.0	0.60	1323	13	1370	13	1443	27	1443	27	92
RO-8	70	418	446712	4.4	12.0933	0.7	2.4757	1.0	0.2172	0.8	0.76	1267	9	1265	7	1261	13	1261	13	100
RO-8	71	231	628095	1.3	10.5472	0.7	3.4742	1.0	0.2659	0.7	0.74	1520	10	1521	8	1524	13	1524	13	100
RO-8	72	153	69974	2.7	10.6541	0.7	3.4652	1.0	0.2679	0.8	0.76	1530	10	1519	8	1504	12	1504	12	102
RO-8	73	202	213785	2.1	10.2158	0.7	3.9325	1.2	0.2915	1.0	0.81	1649	14	1620	10	1583	13	1583	13	104
RO-8	74	464	110553	2.3	10.3633	0.6	3.5150	1.2	0.2643	1.0	0.85	1512	14	1531	10	1557	12	1557	12	97
RO-8	75	355	300015	2.3	10.4489	0.7	3.5207	1.3	0.2669	1.1	0.85	1525	14	1532	10	1541	13	1541	13	99
RO-8	76	225	762285	2.4	10.3952	0.8	3.4962	1.1	0.2637	0.7	0.68	1509	10	1526	8	1551	14	1551	14	97
RO-8	77	616	61424	2.6	9.5293	0.8	4.1320	1.1	0.2857	0.8	0.70	1620	11	1661	9	1712	14	1712	14	95
RO-8	78	427	8583	1.7	8.8431	1.4	4.1442	1.6	0.2659	0.8	0.51	1520	11	1663	13	1849	25	1849	25	82
RO-8	79	183	116831	2.6	10.3859	0.8	3.5960	1.2	0.2710	0.8	0.73	1546	12	1549	9	1552	15	1552	15	100
RO-8	80	457	249910	1.6	10.2840	0.8	3.6379	1.2	0.2715	0.9	0.74	1548	12	1558	9	1571	15	1571	15	99
RO-8	81	266	68725	3.0	11.8080	0.7	2.6724	1.2	0.2290	0.9	0.81	1329	11	1321	9	1308	13	1308	13	102
RO-8	82	300	106312	1.5	10.2720	0.7	3.6921	1.1	0.2752	0.8	0.77	1567	11	1570	8	1573	13	1573	13	100
RO-8	83	376	89239	1.6	10.8033	0.7	3.1755	1.2	0.2489	0.9	0.81	1433	12	1451	9	1478	13	1478	13	97
RO-8	84	93	383941	2.0	12.2439	0.7	2.3758	1.2	0.2111	1.0	0.83	1234	11	1235	9	1237	13	1237	13	100
RO-8	85	267	355896	2.8	10.4224	0.6	3.5959	1.0	0.2719	0.8	0.82	1551	11	1549	8	1546	11	1546	11	100
RO-8	86	269	3343354	3.3	11.4541	0.6	2.7941	1.0	0.2322	0.8	0.81	1346	10	1354	7	1366	11	1366	11	99
RO-8	87	1017	396775	3.3	11.4551	0.7	2.8201	1.3	0.2344	1.1	0.84	1357	13	1361	10	1366	13	1366	13	99
RO-8	88	136	20718	1.4	9.8782	1.6	3.5291	2.1	0.2529	1.3	0.64	1454	17	1534	16	1646	29	1646	29	88
RO-8	89	164	33745	2.4	10.2753	0.6	3.6050	1.1	0.2688	0.9	0.84	1535	13	1551	9	1573	11	1573	11	98
RO-8	90	291	106445	1.4	10.4214	0.7	3.5474	1.1	0.2682	0.8	0.76	1532	11	1538	9	1546	13	1546	13	99
RO-8	91	122	804093	1.0	8.6855	0.6	5.6008	1.1	0.3530	0.9	0.82	1949	15	1916	9	1881	11	1881	11	104
RO-8	92	83	23168	1.5	10.4273	0.9	3.6187	1.2	0.2738	0.8	0.69	1560	12	1554	10	1545	17	1545	17	101
RO-8	93	207	390494	1.4	10.4560	0.8	3.5191	1.3	0.2670	1.0	0.76	1525	13	1532	10	1540	16	1540	16	99
RO-8	94	119	157991	1.7	10.4985	0.7	3.6363	1.0	0.2770	0.7	0.71	1576	10	1558	8	1532	14	1532	14	103
RO-8	95	344	389466	4.1	10.4927	0.6	3.5633	1.1	0.2713	0.9	0.81	1547	12	1541	8	1533	12	1533	12	101
RO-8	96	416	31244	2.1	9.7403	1.2	3.8836	1.6	0.2745	1.1	0.67	1563	15	1610	13	1672	22	1672	22	94
RO-8	97	379	648217	1.5	9.4003	0.7	4.7069	1.2	0.3210	0.9	0.78	1795	14	1768	10	1737	13	1737	13	103
RO-8	98	1476	318416	2.7	10.2048	0.6	3.7601	1.2	0.2784	1.0	0.87	1583	14	1584	9	1585	11	1585	11	100
RO-8	99	427	123171	2.9	10.3857	0.7	3.5805	1.2	0.2698	0.9	0.80	1540	13	1545	9	1553	13	1553	13	99
RO-8	100	222	6073	2.0	7.9944	3.9	5.2596	4.2	0.3051	1.6	0.39	1716	25	1862	36	2029	68	2029	68	85
RO-8	101	552	50239	5.0	12.0979	0.6	2.3778	1.0	0.2087	0.8	0.80	1222	9	1236	7	1260	12	1260	12	97
RO-8	102	341	150611	2.0	10.5807	0.6	3.5757	1.3	0.2745	1.1	0.86	1564	15	1544	10	1518	12	1518	12	103
RO-8	103	270	97642	3.1	11.6861	0.7	2.7551	1.1	0.2336	0.9	0.81	1353	11	1343	8	1328	13	1328	13	102
RO-8	104	201	101431	1.6	10.4906	0.7	3.6145	1.4	0.2751	1.2	0.87	1567	16	1553	11	1534	13	1534	13	102
RO-8	105	321	128596	3.4	11.6244	0.6	2.8641	1.1	0.2416	0.9	0.83	1395	11	1373	8	1338	12	1338	12	104
RO-8	106	265	26177	1.5	8.7243	0.9	5.0186	1.3	0.3177	0.9	0.70	1778	14	1822	11	1873	17	1873	17	95

RO-8	107	403	174711	1.7	10.4252	0.6	3.6162	1.1	0.2735	0.9	0.83	1559	13	1553	9	1545	11	1545	11	101
RO-8	108	371	23925	2.8	9.6481	0.8	4.0280	1.1	0.2820	0.7	0.66	1601	10	1640	9	1690	15	1690	15	95
RO-8	109	186	84812	2.0	10.3805	0.7	3.6701	1.0	0.2764	0.8	0.76	1573	11	1565	8	1553	13	1553	13	101
RO-8	110	356	42249	2.6	10.0152	1.0	3.7574	1.3	0.2730	0.9	0.70	1556	13	1584	11	1620	18	1620	18	96
RO-8	111	443	25213	1.8	9.6746	1.0	3.8043	1.4	0.2671	1.0	0.68	1526	13	1594	11	1685	19	1685	19	91
RO-8	112	5141	5668	1.1	9.1868	0.6	1.4907	1.8	0.0994	1.7	0.94	611	10	927	11	1779	11	1779	11	34
RO-8	113	71	47243	1.3	10.5196	0.8	3.5110	1.4	0.2680	1.1	0.81	1531	15	1530	11	1528	15	1528	15	100
RO-8	114	237	624218	2.4	10.4044	0.7	3.6827	1.2	0.2780	1.0	0.82	1581	14	1568	10	1549	13	1549	13	102
RO-8	115	424	194506	2.6	10.5077	0.6	3.6275	1.0	0.2766	0.8	0.79	1574	11	1556	8	1531	12	1531	12	103
RO-8	116	4184	12131	5.3	9.5687	0.7	3.5980	1.7	0.2498	1.5	0.91	1437	19	1549	13	1705	13	1705	13	84
RO-8	117	297	75160	2.2	9.4357	0.7	4.5081	1.2	0.3086	1.0	0.83	1734	15	1732	10	1731	13	1731	13	100
RO-8	118	269	27088	1.7	10.2079	0.6	3.6500	1.2	0.2703	1.1	0.86	1543	15	1561	10	1585	12	1585	12	97
RO-8	119	314	15854	2.3	10.1584	0.8	2.9784	1.3	0.2195	1.1	0.79	1279	12	1402	10	1594	15	1594	15	80
RO-8	120	570	32651	2.4	9.9591	1.1	3.6863	1.5	0.2664	0.9	0.62	1522	12	1568	12	1631	21	1631	21	93
RO-8	121	384	103741	3.0	10.4204	0.4	3.6347	1.0	0.2748	0.9	0.89	1565	12	1557	8	1546	8	1546	8	101
RO-8	122	374	46933	2.3	10.1744	0.8	3.6902	1.0	0.2724	0.6	0.64	1553	9	1569	8	1591	14	1591	14	98
RO-8	123	238	13415	1.6	9.3261	0.7	4.2650	1.1	0.2886	0.9	0.81	1635	13	1687	9	1752	12	1752	12	93
RO-8	124	4337	7854	3.3	9.5245	0.6	3.4656	1.1	0.2395	0.9	0.83	1384	12	1519	9	1713	12	1713	12	81
RO-8	125	472	7276	2.3	8.6584	0.6	4.2182	1.1	0.2650	0.9	0.85	1515	13	1678	9	1887	11	1887	11	80
RO-8	126	1417	100201	20.5	9.5630	0.5	4.3722	1.1	0.3034	1.0	0.90	1708	15	1707	9	1706	9	1706	9	100
RO-8	127	205	87751	1.9	10.2410	0.6	3.8481	1.1	0.2859	0.9	0.83	1621	13	1603	9	1579	11	1579	11	103
RO-8	128	3596	1547	0.5	5.4553	1.3	1.8472	3.1	0.0731	2.8	0.90	455	12	1062	20	2682	22	2682	22	17
RO-8	129	277	9436	2.0	8.2666	1.8	4.8951	2.0	0.2936	1.0	0.48	1660	14	1801	17	1970	31	1970	31	84
RO-8	130	238	63293	3.0	10.3496	0.6	3.5666	1.1	0.2678	0.9	0.82	1530	12	1542	9	1559	11	1559	11	98
RO-8	131	84	96163	1.7	9.4470	0.9	4.4694	1.4	0.3064	1.0	0.77	1723	16	1725	11	1728	16	1728	16	100
RO-8	132	145	368593	1.5	9.1822	0.9	4.7176	1.3	0.3143	1.0	0.76	1762	16	1770	11	1780	16	1780	16	99
RO-8	133	1627	73634	2.4	9.7963	0.6	3.9885	1.4	0.2835	1.3	0.92	1609	19	1632	12	1661	10	1661	10	97
RO-8	134	386	796917	2.7	10.3774	0.6	3.7207	1.0	0.2802	0.8	0.81	1592	11	1576	8	1554	11	1554	11	102
RO-8	135	492	29870	4.2	4.3780	0.5	17.5883	0.9	0.5587	0.7	0.83	2861	17	2967	9	3040	8	3040	8	94
RO-8	136	211	429008	1.8	10.4327	0.5	3.5463	1.0	0.2684	0.9	0.87	1533	12	1538	8	1544	9	1544	9	99
RO-8	137	245	44818	1.3	10.8515	0.7	3.1713	1.0	0.2497	0.7	0.68	1437	9	1450	8	1470	14	1470	14	98
RO-8	138	1064	40650	3.7	9.8319	0.8	3.7967	1.5	0.2708	1.3	0.86	1545	17	1592	12	1655	14	1655	14	93
RO-8	139	2084	373083	2.8	10.2984	0.6	3.6085	1.3	0.2696	1.2	0.91	1539	17	1551	11	1568	10	1568	10	98
RO-8	140	662	254130	3.1	11.4744	0.6	2.7993	1.2	0.2331	1.0	0.85	1351	13	1355	9	1363	12	1363	12	99
RO-8	141	118	29014	1.1	10.4433	0.7	3.6678	1.2	0.2779	0.9	0.78	1581	13	1564	9	1542	14	1542	14	103
RO-8	142	389	30445	1.6	9.7144	0.7	3.7793	1.0	0.2664	0.8	0.77	1522	11	1588	8	1677	12	1677	12	91
RO-8	143	178	97589	1.1	10.3382	0.7	3.7287	1.1	0.2797	0.9	0.80	1590	12	1578	9	1561	12	1561	12	102
RO-8	144	450	12984	2.1	9.3427	0.6	3.9690	1.0	0.2691	0.8	0.77	1536	11	1628	8	1749	12	1749	12	88
RO-8	145	294	85823	1.9	11.0293	0.8	3.1041	1.1	0.2484	0.8	0.73	1430	11	1434	9	1439	15	1439	15	99
RO-8	146	70	13413	3.8	12.0107	0.8	2.5523	1.3	0.2224	1.0	0.79	1295	12	1287	9	1274	15	1274	15	102
RO-8	147	342	173063	2.6	10.4255	0.6	3.5292	1.2	0.2670	1.1	0.88	1525	15	1534	10	1545	11	1545	11	99
RO-8	148	64	27126	1.7	10.5073	0.9	3.5208	1.3	0.2684	1.0	0.75	1533	13	1532	10	1531	16	1531	16	100
RO-8	149	380	58897	2.8	11.5643	0.7	2.7214	1.2	0.2284	0.9	0.79	1326	11	1334	9	1348	14	1348	14	98
RO-8	150	1016	9413	6.5	8.4892	0.9	4.5526	1.4	0.2804	1.2	0.80	1593	16	1741	12	1922	15	1922	15	83
RO-8	151	537	1068363	2.5	11.1836	0.6	2.8892	1.1	0.2345	1.0	0.83	1358	12	1379	9	1412	12	1412	12	96
RO-8	152	102	51832	2.3	10.1283	0.9	3.7779	1.2	0.2776	0.8	0.68	1579	11	1588	9	1600	16	1600	16	99
RO-8	153	1151	13738	3.2	9.2785	1.1	4.1656	1.6	0.2804	1.1	0.73	1594	16	1667	13	1761	19	1761	19	90
RO-8	154	301	129445	1.9	10.3880	0.7	3.4721	1.1	0.2617	0.8	0.78	1499	11	1521	9	1552	13	1552	13	97
RO-8	155	409	45470	1.6	10.0397	0.8	3.7233	1.1	0.2712	0.8	0.73	1547	11	1576	9	1616	14	1616	14	96
RO-8	156	281	130661	3.9	10.2758	0.8	3.6167	1.3	0.2697	1.0	0.81	1539	14	1553	10	1572	14	1572	14	98
RO-8	157	488	13120	2.1	8.4905	2.8	4.5329	3.0	0.2793	1.0	0.33	1588	14	1737	25	1922	50	1922	50	83
RO-8	158	229	66279	2.4	9.8269	0.9	4.1346	1.2	0.2948	0.8	0.70	1666	12	1661	10	1656	16	1656	16	101
RO-8	159	561	198527	1.6	10.3050	0.6	3.6806	1.1	0.2752	0.9	0.81	1567	12	1567	8	1567	12	1567	12	100
RO-8	160	2384	621	0.6	2.8459	0.7	4.9942	1.4	0.1031	1.3	0.89	633	8	1818	12	3712	10	3712	10	17
RO-8	161	114	54212	1.2	9.1238	0.7	4.7677	1.1	0.3156	0.9	0.81	1768	14	1779	9	1792	12	1792	12	99
RO-8	162	1165	53220	2.4	10.7047	0.7	3.1129	1.4	0.2418	1.2	0.88	1396	16	1436	11	1496	13	1496	13	93
RO-8	163	169	110555	2.3	8.8535	0.8	5.0060	1.3	0.3216	1.0	0.79	1797	16	1820	11	1847	14	1847	14	97
RO-8	164	427	6899	0.9	7.9514	0.7	5.0523	1.3	0.2915	1.1	0.84	1649	16	1828	11	2039	13	2039	13	81
RO-8	165	148	100282	2.1	10.3942	0.7	3.5194	1.0	0.2654	0.7	0.73	1518	10	1532	8	1551	13	1551	13	98
RO-8	166	86	29250	6.5	10.5775	0.9	3.4054	1.3	0.2614	0.8	0.67	1497	11	1506	10	1518	18	1518	18	99
RO-8	167	386	203606	1.3	9.2476	0.6	4.6336	0.9	0.3109	0.6	0.70	1745	9	1755	7	1767	11	1767	11	99
RO-8	168	151	10175	1.7	9.1538	1.7	4.2347	2.0	0.2813	1.0	0.50	1598	14	1681	16	1786	32	1786	32	89
RO-8	169	300	811820	1.7	9.3556	0.6	4.5139	1.0	0.3064	0.9	0.85	1723	13	1734	9	1746	10	1746	10	99
RO-8	170	261	481220	3.1	10.4208	0.7	3.6559	1.2	0.2764	1.0	0.80	1573	13	1562	9	1546	13	1546	13	102
RO-8	171	612	82033	3.1	10.2287	0.7	3.6471	1.2	0.2707	1.0	0.84	1544	14	1560	10	1581	13	1581	13	98
RO-8	172	219	90411	2.1	10.4313	0.7	3.5415	1.1	0.2681	0.9	0.78	1531	12	1537	9	1544	13	1544	13	99
RO-8	173	299	72853	2.4	10.7010	0.8	3.1904	1.2	0.2477	1.0	0.78	1427	12	1455	10	1496	15	1496	15	95

RO-8	174	288	53160	6.0	10.7724	0.7	3.2177	1.2	0.2515	1.0	0.82	1446	13	1461	9	1484	13	1484	13	97
RO-8	175	521	234418	2.6	10.4246	0.6	3.5605	1.2	0.2693	1.0	0.87	1537	14	1541	9	1546	11	1546	11	99
RO-8	176	322	53016	3.2	10.4796	0.8	3.4883	1.0	0.2652	0.7	0.68	1517	10	1525	8	1536	14	1536	14	99
RO-8	177	572	93705	3.3	10.3449	0.7	3.5784	1.0	0.2686	0.7	0.70	1534	9	1545	8	1560	13	1560	13	98
RO-8	178	944	133576	1.8	9.7670	0.5	4.2147	1.4	0.2987	1.3	0.92	1685	19	1677	11	1667	10	1667	10	101
RO-8	179	80	20887	1.6	10.6105	0.9	3.5377	1.3	0.2724	1.0	0.74	1553	14	1536	10	1512	17	1512	17	103
RO-8	180	367	221811	1.6	10.4780	0.5	3.6422	1.2	0.2769	1.0	0.89	1576	14	1559	9	1536	10	1536	10	103
RO-8	181	426	180746	2.4	11.6102	0.6	2.7235	1.2	0.2294	1.0	0.87	1332	12	1335	9	1340	11	1340	11	99
RO-8	182	144	111140	1.7	9.2721	0.6	4.7361	1.3	0.3186	1.2	0.88	1783	18	1774	11	1763	12	1763	12	101
RO-8	183	409	18690	1.8	9.5223	0.8	4.0112	1.1	0.2771	0.8	0.67	1577	11	1636	9	1714	15	1714	15	92
RO-8	184	238	68104	2.7	9.5097	0.7	4.3697	1.2	0.3015	1.0	0.82	1699	14	1707	10	1716	12	1716	12	99
RO-8	185	466	375675	3.1	10.4125	0.6	3.6508	1.0	0.2758	0.8	0.81	1570	12	1561	8	1548	11	1548	11	101
RO-8	186	113	136084	2.3	11.2957	0.9	2.8561	1.3	0.2341	1.0	0.74	1356	12	1370	10	1393	17	1393	17	97
RO-8	187	281	16849	2.7	10.1745	0.6	3.3739	1.2	0.2491	1.0	0.84	1434	13	1498	9	1591	12	1591	12	90
RO-8	188	337	56006	4.2	12.5426	0.7	2.2605	1.2	0.2057	0.9	0.79	1206	10	1200	8	1189	15	1189	15	101
RO-8	189	217	76369	3.8	11.8577	0.6	2.5920	1.2	0.2230	1.0	0.87	1298	12	1298	9	1299	12	1299	12	100
RO-8	190	235	97315	3.7	11.0901	0.7	3.1959	1.1	0.2572	0.8	0.74	1475	10	1456	8	1428	14	1428	14	103
RO-8	191	199	114529	3.1	10.4286	0.6	3.4267	1.1	0.2593	1.0	0.84	1486	13	1511	9	1545	11	1545	11	96
RO-8	192	342	98257	1.9	10.4005	0.6	3.6303	0.9	0.2740	0.6	0.75	1561	9	1556	7	1550	11	1550	11	101
RO-8	193	136	29598	2.3	12.3572	0.7	2.4208	1.2	0.2171	1.0	0.81	1266	12	1249	9	1219	14	1219	14	104
RO-8	194	299	118911	2.4	10.5959	0.6	3.5183	1.1	0.2705	0.9	0.83	1543	13	1531	9	1515	12	1515	12	102
RO-8	195	143	124714	2.0	9.4122	0.6	4.4826	1.3	0.3061	1.1	0.86	1722	17	1728	11	1735	12	1735	12	99
RO-8	196	102	11529	1.7	10.0435	0.7	3.7024	1.1	0.2698	0.8	0.75	1540	11	1572	9	1615	13	1615	13	95
RO-8	197	597	89931	3.2	10.3101	0.5	3.6067	0.9	0.2698	0.7	0.81	1540	10	1551	7	1566	10	1566	10	98
RO-8	198	212	298579	2.3	10.3499	0.7	3.7276	1.0	0.2799	0.7	0.73	1591	10	1577	8	1559	13	1559	13	102
RO-8	199	257	172814	1.5	9.2816	0.6	4.5463	1.0	0.3062	0.8	0.78	1722	11	1739	8	1761	11	1761	11	98
RO-8	200	232	59356	3.0	10.6513	0.6	3.5470	1.0	0.2741	0.8	0.82	1562	11	1538	8	1505	11	1505	11	104
RO-8	201	428	91723	2.6	11.0467	0.6	3.1480	1.2	0.2523	1.0	0.86	1450	13	1445	9	1436	11	1436	11	101
RO-8	202	60	13282	1.9	10.7849	0.8	3.4652	1.1	0.2712	0.7	0.63	1547	9	1519	9	1481	16	1481	16	104
RO-8	203	576	9040	2.6	8.8648	1.0	4.1285	1.3	0.2656	0.7	0.58	1518	10	1660	10	1844	19	1844	19	82
RO-8	204	327	301607	2.8	10.3013	0.5	3.5842	0.9	0.2679	0.8	0.83	1530	11	1546	7	1568	10	1568	10	98
RO-8	205	190	211236	1.9	10.2040	0.7	3.6832	1.3	0.2727	1.1	0.84	1554	16	1568	11	1586	14	1586	14	98
RO-8	206	227	1041651	2.4	10.5508	0.7	3.4722	1.0	0.2658	0.8	0.75	1520	10	1521	8	1523	13	1523	13	100
RO-8	207	210	24347	2.0	16.2849	1.3	0.9068	1.6	0.1071	1.0	0.64	656	6	655	8	653	27	656	6	101
RO-8	208	591	114545	2.4	10.2981	0.7	3.6297	1.1	0.2712	0.8	0.75	1547	11	1556	9	1568	14	1568	14	99
RO-8	209	466	35996	1.9	10.1481	1.1	3.6333	1.5	0.2675	1.0	0.68	1528	14	1557	12	1596	20	1596	20	96
RO-8	210	318	163104	1.7	11.0493	0.5	3.1236	1.1	0.2504	1.0	0.90	1441	13	1439	9	1435	10	1435	10	100
RO-8	211	274	175793	1.8	8.1506	0.5	6.1812	1.0	0.3656	0.8	0.83	2008	14	2002	9	1995	10	1995	10	101
RO-8	212	355	584115	1.9	10.5142	0.6	3.4431	1.0	0.2627	0.8	0.82	1503	11	1514	8	1529	11	1529	11	98
RO-8	213	114	90030	1.4	10.2192	1.1	3.6635	1.4	0.2716	0.9	0.65	1549	12	1563	11	1583	20	1583	20	98
RO-8	214	277	196701	2.6	10.5181	0.7	3.4209	1.2	0.2611	1.0	0.84	1495	13	1509	9	1529	12	1529	12	98
RO-8	215	377	383757	2.7	10.5208	0.6	3.4814	1.1	0.2658	0.9	0.80	1519	12	1523	9	1528	12	1528	12	99
RO-8	216	186	293917	2.0	10.4066	0.8	3.6390	1.3	0.2748	1.0	0.76	1565	13	1558	10	1549	15	1549	15	101
RO-8	217	475	86858	3.3	10.1853	0.6	3.6922	1.0	0.2729	0.8	0.83	1555	11	1570	8	1589	10	1589	10	98
RO-8	218	1091	38445	2.7	11.1306	0.6	2.7509	1.2	0.2222	1.1	0.87	1293	13	1342	9	1421	12	1421	12	91
RO-8	219	440	106593	2.0	10.4704	0.5	3.6200	1.0	0.2750	0.9	0.88	1566	13	1554	8	1537	9	1537	9	102
RO-8	220	294	97041	1.8	9.3226	0.6	4.5785	1.2	0.3097	1.1	0.88	1739	16	1745	10	1753	10	1753	10	99
RO-8	221	381	93574	1.7	11.6563	0.7	2.7238	1.4	0.2304	1.1	0.85	1336	14	1335	10	1333	14	1333	14	100
RO-8	222	667	240488	3.5	13.7178	0.6	1.7121	1.1	0.1704	0.9	0.81	1014	8	1013	7	1010	13	1010	13	100
RO-8	223	106	253359	2.8	10.4802	0.7	3.5251	1.1	0.2681	0.9	0.79	1531	12	1533	9	1536	13	1536	13	100
RO-8	224	59	60268	1.6	10.6607	0.8	3.4811	1.2	0.2693	0.9	0.74	1537	12	1523	9	1503	15	1503	15	102
RO-8	225	505	24060	3.1	9.6436	0.9	3.7345	1.4	0.2613	1.1	0.78	1497	14	1579	11	1690	16	1690	16	89
RO-8	226	253	289565	2.0	10.3436	0.7	3.5043	1.1	0.2630	0.9	0.79	1505	12	1528	9	1560	13	1560	13	96
RO-8	227	410	201740	2.3	10.5013	0.6	3.4671	1.0	0.2642	0.8	0.80	1511	11	1520	8	1532	11	1532	11	99
RO-8	228	350	131648	2.4	10.3857	0.7	3.5993	1.0	0.2712	0.8	0.76	1547	11	1549	8	1553	12	1553	12	100
RO-8	229	185	142417	1.1	10.5482	0.6	3.4893	1.2	0.2671	1.0	0.84	1526	13	1525	9	1523	12	1523	12	100
RO-8	230	365	1347743	2.4	9.3453	0.7	4.6507	1.2	0.3154	1.1	0.85	1767	16	1758	10	1748	12	1748	12	101
RO-8	231	195	101252	1.8	9.3496	0.7	4.5361	1.2	0.3077	0.9	0.79	1729	14	1738	10	1747	13	1747	13	99
RO-8	232	131	112027	1.3	12.1096	0.8	2.4200	1.3	0.2126	1.0	0.78	1243	11	1249	9	1258	15	1258	15	99
RO-8	233	298	105173	1.5	10.3330	0.7	3.5743	1.3	0.2680	1.1	0.85	1531	15	1544	10	1562	13	1562	13	98
RO-8	234	254	91274	2.2	10.2177	0.5	3.7041	0.9	0.2746	0.7	0.82	1564	10	1572	7	1583	10	1583	10	99
RO-8	235	400	133031	2.3	10.4663	0.7	3.4986	1.3	0.2657	1.1	0.85	1519	15	1527	11	1538	13	1538	13	99
RO-8	236	123	1018963	2.4	10.5442	0.6	3.4975	1.0	0.2676	0.8	0.78	1529	11	1527	8	1524	12	1524	12	100
RO-8	237	535	48893	2.3	10.0950	0.7	3.6779	1.2	0.2694	0.9	0.79	1538	13	1567	9	1606	14	1606	14	96
RO-8	238	606	355920	3.5	11.7197	0.5	2.6509	1.2	0.2254	1.1	0.90	1310	13	1315	9	1322	10	1322	10	99
RO-8	239	231	397222	2.7	10.3608	0.6	3.5894	0.9	0.2698	0.7	0.73	1540	9	1547	8	1557	12	1557	12	99

RO-10	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
RO-10	1	147	32911	3.3	12.3953	0.5	2.3005	0.9	0.2069	0.7	0.82	1212	8	1212	6	1213	10	1213	10	100
RO-10	2	261	87900	8.5	10.4391	0.4	3.5442	0.8	0.2685	0.7	0.84	1533	9	1537	6	1543	8	1543	8	99
RO-10	3	20	23532	1.8	12.3145	1.1	2.2643	1.3	0.2023	0.7	0.52	1188	7	1201	9	1226	22	1226	22	97
RO-10	4	336	64948	2.5	11.0027	0.4	3.1198	0.7	0.2491	0.6	0.85	1434	8	1438	5	1443	7	1443	7	99
RO-10	5	681	78554	2.4	11.9014	0.4	2.5033	0.8	0.2162	0.7	0.87	1262	8	1273	6	1292	8	1292	8	98
RO-10	6	202	60199	1.4	12.4202	0.6	2.2662	0.9	0.2042	0.6	0.68	1198	6	1202	6	1209	12	1209	12	99
RO-10	7	117	273828	2.1	12.1168	0.8	2.3891	1.0	0.2100	0.6	0.61	1229	7	1239	7	1257	16	1257	16	98
RO-10	8	433	64782	6.2	11.2794	0.6	2.6149	1.2	0.2140	1.0	0.84	1250	11	1305	9	1396	12	1396	12	90
RO-10	9	225	4937606	3.0	11.5982	0.4	2.7383	0.6	0.2304	0.5	0.77	1337	6	1339	5	1342	8	1342	8	100
RO-10	10	321	311217	3.4	10.4761	0.4	3.3856	0.9	0.2574	0.8	0.87	1476	10	1501	7	1536	8	1536	8	96
RO-10	11	303	59329	4.0	12.4637	0.5	2.3140	0.7	0.2093	0.5	0.74	1225	6	1217	5	1202	9	1202	9	102
RO-10	12	725	29994	9.8	11.3783	0.4	2.6598	1.1	0.2196	1.1	0.95	1280	12	1317	8	1379	7	1379	7	93
RO-10	13	353	27100	3.4	10.2716	0.5	3.2282	1.1	0.2406	1.0	0.89	1390	13	1464	9	1573	9	1573	9	88
RO-10	14	349	58143	2.9	10.2842	0.5	3.5605	0.9	0.2657	0.8	0.87	1519	11	1541	7	1571	9	1571	9	97
RO-10	15	215	616466	3.2	12.0438	0.5	2.5598	0.8	0.2237	0.6	0.81	1301	8	1289	6	1269	9	1269	9	103
RO-10	16	868	57141	3.8	10.5423	0.4	3.3016	0.9	0.2525	0.8	0.90	1452	11	1481	7	1524	7	1524	7	95
RO-10	17	488	30479	4.0	12.1936	0.5	2.1064	1.0	0.1864	0.9	0.87	1102	9	1151	7	1245	10	1245	10	88
RO-10	18	185	113916	2.8	12.2552	0.5	2.4201	0.8	0.2152	0.6	0.77	1256	7	1249	6	1235	10	1235	10	102
RO-10	19	529	32258	2.5	11.3992	0.5	2.5815	1.1	0.2135	1.0	0.90	1248	11	1295	8	1376	9	1376	9	91
RO-10	20	79	46577	3.5	11.4281	0.6	2.5101	0.9	0.2081	0.6	0.75	1219	7	1275	6	1371	11	1371	11	89
RO-10	21	108	35403	1.4	9.1647	0.6	4.7737	0.9	0.3174	0.7	0.73	1777	10	1780	8	1784	11	1784	11	100
RO-10	22	75	67067	2.7	12.4118	0.7	2.3218	0.9	0.2091	0.6	0.68	1224	7	1219	6	1210	13	1210	13	101
RO-10	23	139	41612	3.4	12.5615	0.6	2.2439	1.0	0.2045	0.8	0.78	1200	9	1195	7	1186	13	1186	13	101
RO-10	24	246	2740340	2.3	10.1591	0.6	3.8314	0.9	0.2824	0.7	0.80	1604	10	1599	7	1594	10	1594	10	101
RO-10	25	155	45556	2.5	12.3917	0.5	2.3473	0.9	0.2110	0.7	0.81	1234	8	1227	7	1213	11	1213	11	102
RO-10	26	407	493968	2.2	12.1186	0.5	2.1535	1.8	0.1894	1.8	0.96	1118	18	1166	13	1257	9	1257	9	89
RO-10	27	136	234596	2.2	10.2475	0.5	3.8398	0.9	0.2855	0.7	0.77	1619	9	1601	7	1578	10	1578	10	103
RO-10	28	318	397277	3.3	10.9284	0.5	2.7931	1.0	0.2215	0.8	0.85	1290	10	1354	7	1456	10	1456	10	89
RO-10	29	206	137363	3.7	12.4181	0.5	2.2967	0.9	0.2069	0.7	0.79	1212	7	1211	6	1209	10	1209	10	100
RO-10	30	286	330277	4.0	11.5964	0.6	2.7240	1.0	0.2292	0.8	0.81	1330	10	1335	8	1343	12	1343	12	99
RO-10	31	634	384396	3.3	11.1020	0.4	3.0166	0.9	0.2430	0.8	0.90	1402	10	1412	7	1426	8	1426	8	98
RO-10	32	304	68314	3.3	12.4556	0.4	2.0919	0.9	0.1891	0.7	0.86	1116	8	1146	6	1203	9	1203	9	93
RO-10	33	1009	1455970	3.5	10.5166	0.4	3.5093	0.9	0.2678	0.8	0.88	1530	11	1529	7	1529	8	1529	8	100
RO-10	34	320	429983	1.2	12.2117	0.5	2.4054	0.8	0.2131	0.6	0.77	1245	7	1244	6	1242	10	1242	10	100
RO-10	35	350	459031	3.2	11.6555	0.5	2.7207	0.9	0.2301	0.8	0.83	1335	9	1334	7	1333	10	1333	10	100
RO-10	36	224	16391011	2.3	12.4962	0.6	2.1944	0.9	0.1990	0.7	0.77	1170	7	1179	6	1197	11	1197	11	98
RO-10	37	198	50655	1.6	12.2679	0.6	2.4279	1.0	0.2161	0.8	0.79	1261	9	1251	7	1233	12	1233	12	102
RO-10	38	365	26545	2.0	10.5217	0.6	2.8051	1.1	0.2141	0.9	0.85	1251	11	1357	8	1528	11	1528	11	82
RO-10	39	470	91144	1.7	12.0097	0.6	2.4136	1.2	0.2103	1.1	0.89	1231	12	1247	9	1275	11	1275	11	97
RO-10	40	2535	8171	1.8	11.3301	0.5	1.3524	1.3	0.1112	1.2	0.93	680	8	869	8	1387	9	1387	9	49
RO-10	41	407	151510	5.4	11.5248	0.4	2.9372	1.0	0.2456	0.9	0.91	1416	12	1392	8	1355	8	1355	8	105
RO-10	42	310	606895	3.6	10.3342	0.6	3.5093	1.0	0.2631	0.8	0.82	1506	11	1529	8	1562	11	1562	11	96
RO-10	43	266	82993	1.8	10.5020	0.6	3.5613	1.0	0.2714	0.8	0.80	1548	11	1541	8	1532	11	1532	11	101
RO-10	44	222	33283	1.6	12.2737	0.5	2.3671	0.9	0.2108	0.8	0.82	1233	8	1233	7	1232	10	1232	10	100
RO-10	45	132	206208	3.0	12.0848	0.7	2.4738	1.0	0.2169	0.7	0.68	1266	8	1264	7	1262	14	1262	14	100
RO-10	46	194	815743	4.3	12.3598	0.5	2.3210	0.8	0.2081	0.6	0.79	1219	7	1219	6	1218	10	1218	10	100
RO-10	47	359	66309	2.6	12.2766	0.5	2.3471	0.9	0.2091	0.8	0.83	1224	8	1227	7	1232	10	1232	10	99
RO-10	48	111	27887	2.9	12.7310	0.6	2.1483	0.9	0.1985	0.7	0.77	1167	8	1165	6	1160	12	1160	12	101
RO-10	49	138	252691	3.3	10.4531	0.9	3.5100	1.1	0.2662	0.6	0.56	1522	8	1529	8	1540	17	1540	17	99
RO-10	50	1377	103750	3.4	12.5287	0.5	2.2106	1.0	0.2010	0.9	0.88	1180	9	1184	7	1192	9	1192	9	99
RO-10	51	334	192092	2.5	11.5450	0.5	2.7354	0.9	0.2291	0.7	0.79	1330	8	1338	6	1351	10	1351	10	98
RO-10	52	199	779998	2.7	12.2675	0.4	2.2793	0.8	0.2029	0.7	0.85	1191	7	1206	5	1233	8	1233	8	97
RO-10	53	295	117784	3.7	12.4585	0.5	2.2380	0.8	0.2023	0.6	0.77	1188	7	1193	6	1203	11	1203	11	99
RO-10	54	275	873805	3.9	12.4650	0.4	2.2662	0.9	0.2050	0.7	0.87	1202	8	1202	6	1202	8	1202	8	100
RO-10	55	436	69478	2.3	10.7966	0.5	3.1642	0.8	0.2479	0.6	0.82	1428	8	1448	6	1479	9	1479	9	96
RO-10	56	509	2028922	2.8	12.4021	0.4	2.3302	0.7	0.2097	0.6	0.85	1227	6	1222	5	1212	7	1212	7	101
RO-10	57	644	1219569	6.1	11.0083	0.4	2.9945	0.9	0.2392	0.8	0.90	1382	10	1406	7	1442	7	1442	7	96
RO-10	58	85	104747	2.5	12.2419	0.6	2.3821	0.8	0.2116	0.6	0.72	1237	6	1237	6	1237	11	1237	11	100
RO-10	59	121	20744	3.5	12.4621	0.6	2.2855	0.9	0.2067	0.7	0.77	1211	8	1208	6	1202	11	1202	11	101
RO-10	60	464	70967	4.4	10.3424	0.5	3.1223	2.4	0.2343	2.4	0.98	1357	29	1438	19	1560	9	1560	9	87
RO-10	61	2661	1312	1.5	6.5539	0.6	0.6104	1.1	0.0290	1.0	0.88	184	2	484	4	2374	9	184	2	NA
RO-10	62	325	392567	2.5	12.4546	0.5	2.3063	0.8	0.2084	0.6	0.77	1220	6	1214	5	1203	9	1203	9	101
RO-10	63	1443	98722	2.4	12.2893	0.3	2.3232	0.8	0.2072	0.7	0.90	1214	7	1219	5	1230	7	1230	7	99
RO-10	64	402	70431	1.3	11.0709	0.3	2.6111	1.6	0.2097	1.5	0.97	1227	17	1304	11	1432	7	1432	7	86
RO-10	65	272	70539	5.6	10.7534	0.4	3.4020	0.7	0.2654	0.6	0.84	1518	8	1505	5	1487	7	1487	7	102

RO-10	66	981	53975	4.0	11.4716	0.4	2.6018	1.0	0.2166	1.0	0.93	1264	11	1301	8	1363	7	1363	7	93
RO-10	67	211	148059	2.0	10.9826	0.5	3.2038	0.8	0.2553	0.7	0.82	1466	9	1458	6	1447	9	1447	9	101
RO-10	68	284	586267	4.3	11.0739	0.4	3.0788	0.8	0.2474	0.7	0.85	1425	8	1427	6	1431	8	1431	8	100
RO-10	69	3388	1209	10.3	6.1693	1.2	0.3935	2.5	0.0176	2.2	0.87	113	2	337	7	2477	21	113	2	NA
RO-10	70	681	87132	3.2	10.9732	0.4	3.0118	1.1	0.2398	1.0	0.92	1386	12	1411	8	1448	8	1448	8	96
RO-10	71	150	479834	5.0	10.0872	0.6	3.8956	1.0	0.2851	0.8	0.81	1617	11	1613	8	1607	11	1607	11	101
RO-10	72	1122	3044	1.1	7.7617	0.8	0.9523	2.4	0.0536	2.3	0.94	337	7	679	12	2081	14	337	7	NA
RO-10	73	594	496763	2.3	12.5439	0.4	2.1436	0.9	0.1951	0.8	0.89	1149	9	1163	6	1189	8	1189	8	97
RO-10	74	164	58090	3.0	10.5679	0.7	3.4820	0.9	0.2670	0.6	0.69	1526	9	1523	7	1520	13	1520	13	100
RO-10	75	112	16413	3.5	12.6668	0.6	2.2302	1.1	0.2050	0.9	0.83	1202	10	1191	8	1170	12	1170	12	103
RO-10	76	251	421663	3.6	10.8802	0.9	3.1575	1.3	0.2493	1.0	0.74	1435	13	1447	10	1465	17	1465	17	98
RO-10	77	46	13938	5.6	12.5064	0.9	2.3581	1.2	0.2140	0.8	0.68	1250	10	1230	9	1195	18	1195	18	105
RO-10	78	628	238000	3.0	10.4615	0.5	3.5121	1.1	0.2666	0.9	0.88	1523	13	1530	8	1539	9	1539	9	99
RO-10	79	1052	5860	11.4	10.1912	0.8	1.1281	1.3	0.0834	1.0	0.79	517	5	767	7	1588	15	1588	15	33
RO-10	80	221	62586	2.6	12.4704	0.5	2.2718	0.9	0.2056	0.7	0.78	1205	7	1204	6	1201	11	1201	11	100
RO-10	81	596	56155495	5.1	10.2656	0.4	3.5899	0.9	0.2674	0.8	0.89	1528	11	1547	7	1574	8	1574	8	97
RO-10	82	243	66192	2.5	10.5121	0.5	3.5459	0.9	0.2705	0.7	0.83	1543	10	1538	7	1530	9	1530	9	101
RO-10	83	333	82308	2.5	10.9794	0.4	2.9839	0.7	0.2377	0.6	0.85	1375	7	1404	5	1447	7	1447	7	95
RO-10	84	658	260753	3.1	11.6590	0.4	2.6817	1.1	0.2269	1.0	0.93	1318	12	1323	8	1332	8	1332	8	99
RO-10	85	300	1403064	2.4	12.3888	0.6	2.2306	1.0	0.2005	0.7	0.76	1178	8	1191	7	1214	12	1214	12	97
RO-10	86	271	69994	4.2	10.6101	0.4	3.4798	0.8	0.2679	0.7	0.85	1530	9	1523	6	1512	8	1512	8	101
RO-10	87	142	47609	3.3	11.7194	0.5	2.8053	0.8	0.2385	0.6	0.76	1379	8	1357	6	1322	10	1322	10	104
RO-10	88	508	1959986	2.7	12.1527	0.6	2.2766	1.1	0.2007	0.9	0.86	1179	10	1205	8	1251	11	1251	11	94
RO-10	89	1009	6183	6.0	8.6666	0.5	1.5502	1.1	0.0975	1.0	0.90	600	5	951	7	1885	9	1885	9	32
RO-10	90	92	48493	2.0	5.2843	0.5	13.4163	0.8	0.5144	0.6	0.77	2675	13	2709	7	2735	8	2735	8	98
RO-10	91	359	50454	1.7	9.4023	0.5	3.6898	1.4	0.2517	1.4	0.95	1447	18	1569	12	1737	9	1737	9	83
RO-10	92	197	69837	1.8	12.2819	0.5	2.1595	0.9	0.1924	0.8	0.84	1135	8	1168	6	1231	10	1231	10	92
RO-10	93	318	459123	5.9	10.8975	0.5	3.0016	0.9	0.2373	0.8	0.84	1373	10	1408	7	1462	10	1462	10	94
RO-10	94	541	90020	2.1	10.8079	0.6	3.2110	1.2	0.2518	1.0	0.88	1448	13	1460	9	1477	11	1477	11	98
RO-10	95	206	283615	2.1	12.3564	0.6	2.2791	1.1	0.2043	0.9	0.86	1199	10	1206	8	1219	11	1219	11	98
RO-10	96	1072	2689	1.4	8.4296	1.1	1.0215	1.5	0.0625	1.1	0.71	391	4	715	8	1935	19	391	4	NA
RO-10	97	57	27245	3.9	11.3000	0.8	2.9257	1.1	0.2399	0.7	0.67	1386	9	1389	8	1392	15	1392	15	100
RO-10	98	869	51059	2.4	12.4676	0.4	2.1095	1.0	0.1908	0.9	0.90	1126	9	1152	7	1201	9	1201	9	94
RO-10	99	1746	2333	8.3	8.0301	1.1	0.6258	3.5	0.0365	3.3	0.95	231	8	493	14	2021	20	231	8	NA
RO-10	100	5704	4372	2.7	11.5673	1.1	0.8923	1.6	0.0749	1.1	0.69	466	5	648	8	1347	22	1347	22	35
RO-10	101	512	1364975	2.3	10.2006	0.4	3.5964	1.1	0.2662	1.0	0.92	1521	13	1549	9	1586	8	1586	8	96
RO-10	102	674	60881	2.0	9.5819	0.7	3.6194	1.7	0.2516	1.5	0.90	1447	19	1554	13	1702	14	1702	14	85
RO-10	103	887	409815	2.8	12.5399	0.4	2.2205	0.9	0.2020	0.8	0.89	1186	8	1188	6	1190	8	1190	8	100
RO-10	104	101	76248	2.0	12.4578	0.7	2.1109	1.1	0.1908	0.8	0.71	1126	8	1152	7	1203	15	1203	15	94
RO-10	105	650	1408175	4.5	10.4721	0.4	3.5970	1.0	0.2733	0.9	0.92	1558	13	1549	8	1537	7	1537	7	101
RO-10	106	571	61768	2.2	12.2921	0.5	2.1612	1.1	0.1928	1.0	0.91	1136	11	1169	8	1229	9	1229	9	92
RO-10	107	225	947599	3.0	10.4348	0.5	3.3784	0.9	0.2558	0.8	0.83	1468	10	1499	7	1544	10	1544	10	95
RO-10	108	604	90673	2.2	10.3194	0.4	3.2933	1.0	0.2466	1.0	0.91	1421	12	1479	8	1565	8	1565	8	91
RO-10	109	56	39029	2.9	11.4291	0.7	2.8805	0.9	0.2389	0.6	0.68	1381	8	1377	7	1371	13	1371	13	101
RO-10	110	168	52495	3.2	11.1058	0.4	3.1095	0.7	0.2506	0.6	0.84	1441	8	1435	6	1426	8	1426	8	101
RO-10	111	107	27648	3.0	11.8636	0.6	2.6854	0.9	0.2312	0.6	0.69	1341	7	1324	7	1298	12	1298	12	103
RO-10	112	384	5316	3.2	9.2305	2.3	3.8793	2.3	0.2598	0.6	0.25	1489	8	1609	19	1771	41	1771	41	84
RO-10	113	282	35925	7.0	12.3371	0.5	2.1543	1.0	0.1928	0.8	0.83	1137	8	1166	7	1222	11	1222	11	93
RO-10	114	194	247762	2.6	12.2749	0.5	2.3786	0.8	0.2118	0.6	0.76	1239	7	1236	6	1232	10	1232	10	101
RO-10	115	218	63975	4.7	11.0690	0.4	3.1015	0.7	0.2491	0.6	0.81	1434	7	1433	5	1432	8	1432	8	100
RO-10	116	809	69959	2.8	12.4880	0.4	2.1972	0.9	0.1991	0.8	0.91	1170	9	1180	6	1198	7	1198	7	98
RO-10	117	493	78733	6.0	10.9494	0.5	3.0686	0.9	0.2438	0.8	0.87	1406	10	1425	7	1453	9	1453	9	97
RO-10	118	171	78524	3.5	12.7823	0.4	2.1198	0.8	0.1966	0.7	0.87	1157	7	1155	5	1152	8	1152	8	100
RO-10	119	900	8020	2.8	9.2699	0.5	1.5311	2.2	0.1030	2.1	0.98	632	13	943	13	1763	8	1763	8	36
RO-10	120	122	61707	4.7	12.2448	0.6	2.3207	0.8	0.2062	0.5	0.69	1208	6	1219	5	1237	11	1237	11	98
RO-10	121	327	50047	2.8	10.7896	0.4	2.8314	0.9	0.2217	0.8	0.89	1291	9	1364	6	1481	7	1481	7	87
RO-10	122	395	62422	3.0	10.7204	0.3	3.1589	0.8	0.2457	0.8	0.92	1416	10	1447	7	1493	6	1493	6	95
RO-10	123	224	95667	3.8	11.5748	0.4	2.8238	0.7	0.2372	0.5	0.76	1372	6	1362	5	1346	8	1346	8	102
RO-10	124	185	65249	3.3	11.8593	0.4	2.4540	0.6	0.2112	0.5	0.77	1235	6	1259	5	1299	8	1299	8	95
RO-10	125	131	102642	3.4	11.7250	0.5	2.7066	0.8	0.2303	0.7	0.82	1336	8	1330	6	1321	9	1321	9	101
RO-10	126	101	64638	4.2	12.4176	0.6	2.2759	0.9	0.2051	0.6	0.74	1202	7	1205	6	1209	12	1209	12	99
RO-10	127	177	38398	2.9	12.4099	0.5	2.3045	0.8	0.2075	0.6	0.80	1216	7	1214	6	1210	9	1210	9	100
RO-10	128	265	184816	2.9	10.4767	0.4	3.5518	0.8	0.2700	0.6	0.84	1541	9	1539	6	1536	8	1536	8	100
RO-10	129	1315	4145483	3.3	11.2987	0.4	2.8225	0.8	0.2314	0.6	0.82	1342	8	1362	6	1393	8	1393	8	96
RO-10	130	375	76790	1.6	10.2379	0.4	2.9744	1.1	0.2210	1.0	0.93	1287	12	1401	9	1579	8	1579	8	81
RO-10	131	467	62584	19.3	9.7511	0.4	3.8625	0.9	0.2733	0.8	0.92	1557	11	1606	7	1670	7	1670	7	93
RO-10	132	203	174982	2.3	10.9190	0.5	3.2793	0.8	0.2598	0.7	0.84	1489	9	1476	7	1458	9	1458	9	102

RO-10	133	379	62341	4.3	10.1682	0.4	3.3939	0.8	0.2504	0.7	0.85	1441	9	1503	6	1592	8	1592	8	90
RO-10	134	945	75248	3.0	10.3404	0.4	3.4822	1.0	0.2613	0.9	0.90	1496	12	1523	8	1561	8	1561	8	96
RO-10	135	141	83263	2.9	12.5009	0.5	2.3108	1.0	0.2096	0.8	0.83	1227	9	1216	7	1196	11	1196	11	103
RO-10	136	479	24493	1.6	10.2194	1.1	3.1087	1.5	0.2305	1.1	0.69	1337	13	1435	12	1583	21	1583	21	84
RO-10	137	492	224807	6.2	9.2196	0.8	4.5385	1.6	0.3036	1.4	0.86	1709	21	1738	14	1773	15	1773	15	96
RO-10	138	72	72131	1.8	9.0510	0.6	4.9801	1.0	0.3271	0.8	0.79	1824	12	1816	8	1807	11	1807	11	101
RO-10	139	1124	1101168	3.7	12.2109	0.5	2.2732	1.0	0.2014	0.9	0.89	1183	10	1204	7	1242	9	1242	9	95
RO-10	140	266	65302	3.0	9.3382	0.6	3.6914	1.8	0.2501	1.7	0.95	1439	22	1570	15	1750	11	1750	11	82
RO-10	141	127	88813	3.4	10.4730	0.6	3.5758	0.8	0.2717	0.5	0.67	1550	7	1544	6	1537	11	1537	11	101
RO-10	142	1387	15307	8.8	10.8682	1.1	2.8417	1.5	0.2241	1.0	0.70	1303	12	1367	11	1467	20	1467	20	89
RO-10	143	517	4307223	7.9	12.4722	0.5	2.2419	1.2	0.2029	1.1	0.91	1191	12	1194	9	1200	10	1200	10	99
RO-10	144	176	318789	1.6	9.3143	0.5	4.5277	0.9	0.3060	0.7	0.82	1721	11	1736	7	1754	9	1754	9	98
RO-10	145	267	111068	4.2	10.9923	0.5	3.0678	0.8	0.2447	0.7	0.81	1411	8	1425	6	1445	9	1445	9	98
RO-10	146	920	257779	2.8	12.5294	0.4	2.1493	0.9	0.1954	0.8	0.89	1151	9	1165	6	1192	8	1192	8	97
RO-10	147	980	21624	5.7	11.1047	0.7	2.7563	1.4	0.2221	1.2	0.87	1293	14	1344	11	1426	13	1426	13	91
RO-10	148	147	65372	4.7	11.0076	0.7	3.0261	1.0	0.2417	0.8	0.76	1395	10	1414	8	1443	13	1443	13	97
RO-10	149	213	81823	3.7	10.5077	0.5	3.4584	0.8	0.2637	0.7	0.79	1509	9	1518	7	1531	10	1531	10	99
RO-10	150	1462	1021010	3.0	11.9640	0.5	2.4132	1.0	0.2095	0.9	0.89	1226	10	1247	7	1282	9	1282	9	96
RO-10	151	1111	835416	2.9	12.5227	0.4	2.1656	1.0	0.1968	1.0	0.92	1158	10	1170	7	1193	8	1193	8	97
RO-10	152	48	26713	3.8	12.4351	0.8	2.2172	1.1	0.2001	0.7	0.66	1176	8	1186	7	1206	16	1206	16	97
RO-10	153	81	122824	1.3	10.5724	0.5	3.5447	0.9	0.2719	0.7	0.81	1551	10	1537	7	1519	10	1519	10	102
RO-10	154	463	176119	2.7	11.0130	0.8	3.0120	1.5	0.2407	1.3	0.84	1390	16	1411	12	1442	16	1442	16	96
RO-10	155	370	502101	4.6	10.5052	0.6	3.5833	1.0	0.2731	0.8	0.80	1557	11	1546	8	1531	11	1531	11	102
RO-10	156	264	88008	3.0	12.2353	0.5	2.3312	0.9	0.2070	0.7	0.81	1213	8	1222	6	1238	10	1238	10	98
RO-10	157	169	125530	3.4	10.2261	0.6	3.7188	1.0	0.2759	0.9	0.84	1571	12	1575	8	1582	11	1582	11	99
RO-10	158	246	617969	3.3	10.4232	0.6	3.5093	1.0	0.2654	0.8	0.82	1517	11	1529	8	1546	11	1546	11	98
RO-10	159	513	168526	2.9	12.4026	0.4	2.3180	1.2	0.2086	1.1	0.92	1221	12	1218	8	1212	9	1212	9	101
RO-10	160	82	221050	1.4	9.3479	0.6	4.6580	1.0	0.3159	0.9	0.84	1770	13	1760	9	1748	10	1748	10	101
RO-10	161	1272	68592	2.3	12.2567	0.6	2.2287	1.0	0.1982	0.8	0.79	1166	8	1190	7	1235	12	1235	12	94
RO-10	162	257	61945	3.1	10.4220	0.4	3.5912	0.9	0.2716	0.7	0.87	1549	10	1548	7	1546	8	1546	8	100
RO-10	163	320	137182	1.5	9.0651	0.5	4.8324	0.9	0.3178	0.7	0.83	1779	12	1791	7	1804	9	1804	9	99
RO-10	164	254	205725	3.2	11.5868	0.6	2.7589	0.8	0.2319	0.6	0.69	1345	7	1344	6	1344	12	1344	12	100
RO-10	165	461	48208	5.4	10.7583	0.5	2.7749	1.5	0.2166	1.4	0.93	1264	16	1349	11	1486	10	1486	10	85
RO-10	166	802	176364	2.2	10.4643	0.4	3.5031	1.1	0.2660	1.0	0.92	1520	14	1528	9	1538	8	1538	8	99
RO-10	167	275	58151	2.1	10.3999	0.6	3.2858	1.1	0.2479	0.9	0.82	1428	11	1478	8	1550	11	1550	11	92
RO-10	168	180	64837	4.0	11.4480	0.6	2.7684	1.0	0.2300	0.8	0.82	1334	10	1347	7	1367	11	1367	11	98
RO-10	169	416	555914	1.7	10.2406	0.5	3.7300	1.1	0.2772	1.0	0.88	1577	13	1578	9	1579	10	1579	10	100
RO-10	170	335	150081	3.6	11.5226	0.5	2.6405	0.9	0.2208	0.7	0.81	1286	9	1312	7	1355	10	1355	10	95
RO-10	171	2266	1353	4.8	6.4967	1.4	0.5229	2.2	0.0246	1.6	0.76	157	3	427	8	2389	24	157	3	NA
RO-10	172	354	146006	3.3	12.2634	0.6	2.3265	0.9	0.2070	0.8	0.80	1213	8	1220	7	1234	11	1234	11	98
RO-10	173	366	468239	5.2	11.0466	0.5	3.0587	0.9	0.2452	0.8	0.84	1413	10	1422	7	1436	10	1436	10	98
RO-10	174	208	43811	2.4	12.2824	0.6	2.3996	1.0	0.2139	0.8	0.83	1249	9	1242	7	1231	11	1231	11	102
RO-10	175	114	49230	1.6	10.3821	0.6	3.6411	0.9	0.2743	0.6	0.70	1563	8	1559	7	1553	12	1553	12	101
RO-10	176	219	46615	2.1	11.9288	0.6	2.2174	1.1	0.1919	0.9	0.82	1132	9	1187	7	1288	12	1288	12	88
RO-10	177	1302	100587	4.6	12.1218	0.4	2.3115	1.1	0.2033	1.0	0.91	1193	11	1216	8	1256	9	1256	9	95
RO-10	178	295	66804	2.3	11.4389	0.5	2.6908	0.9	0.2233	0.8	0.85	1299	9	1326	7	1369	9	1369	9	95
RO-10	179	318	98134	3.6	12.3102	0.5	2.3713	1.1	0.2118	1.0	0.89	1238	11	1234	8	1226	10	1226	10	101
RO-10	180	673	650201	1.9	10.1372	0.5	3.5792	0.9	0.2633	0.8	0.85	1507	10	1545	7	1598	9	1598	9	94
RO-10	181	236	283281	2.8	10.3588	0.6	3.6003	1.1	0.2706	0.9	0.85	1544	13	1550	9	1557	11	1557	11	99
RO-10	182	178	124678	3.1	11.7693	0.6	2.5767	1.0	0.2200	0.8	0.80	1282	10	1294	8	1314	12	1314	12	98
RO-10	183	117	60033	1.0	12.4299	0.7	1.9280	0.9	0.1739	0.7	0.70	1033	6	1091	6	1207	13	1207	13	86
RO-10	184	342	531347	3.2	10.6416	0.7	3.1630	1.2	0.2442	1.0	0.84	1409	13	1448	9	1507	12	1507	12	93
RO-10	185	903	68374	2.8	12.2735	0.6	2.1675	1.2	0.1930	1.0	0.87	1138	11	1171	8	1232	11	1232	11	92
RO-10	186	196	68451	2.1	10.8190	0.5	3.1969	0.9	0.2510	0.7	0.82	1443	9	1456	7	1475	10	1475	10	98
RO-10	187	350	405539	3.8	11.5891	0.6	2.7887	1.0	0.2345	0.9	0.84	1358	11	1353	8	1344	11	1344	11	101
RO-10	188	360	133687	3.0	11.9781	0.5	2.4962	0.8	0.2169	0.6	0.75	1266	7	1271	6	1280	11	1280	11	99
RO-10	189	247	79369	2.2	10.4132	0.6	3.4501	1.0	0.2607	0.8	0.77	1493	11	1516	8	1548	12	1548	12	96
RO-10	190	185	77447	3.2	11.7006	0.6	2.6446	1.0	0.2245	0.8	0.79	1306	9	1313	7	1325	12	1325	12	99
RO-10	191	582	269489	19.6	12.2301	0.5	2.4537	1.4	0.2177	1.3	0.94	1270	15	1259	10	1239	9	1239	9	102
RO-10	192	619	37028	2.3	10.2363	0.6	3.3841	2.0	0.2513	1.9	0.95	1445	25	1501	16	1580	11	1580	11	91
RO-10	193	373	162210	1.6	12.3711	0.5	2.3117	0.8	0.2075	0.6	0.80	1216	7	1216	6	1217	9	1217	9	100
RO-10	194	383	190102	5.2	11.3670	0.5	2.8440	0.8	0.2346	0.7	0.81	1358	8	1367	6	1381	10	1381	10	98
RO-10	195	956	8894	3.5	8.7830	0.5	1.7841	1.0	0.1137	0.9	0.89	694	6	1040	7	1861	9	1861	9	37
RO-10	196	263	53410	2.8	11.5048	0.5	2.3214	1.2	0.1938	1.1	0.91	1142	12	1219	9	1358	10	1358	10	84
RO-10	197	321	59183	1.8	12.1891	0.5	2.2669	0.9	0.2005	0.7	0.81	1178	8	1202	6	1246	10	1246	10	95
RO-10	198	286	102563	1.0	12.1716	0.5	2.4194	0.9	0.2137	0.7	0.82	1248	8	1248	6	1248	10	1248	10	100
RO-10	199	75	19198	2.8	12.5556	0.7	2.2512	1.1	0.2051	0.8	0.71	1203	8	1197	7	1187	15	1187	15	101

RO-10	200	246	70365	0.9	12.1817	0.5	2.4288	0.9	0.2147	0.7	0.82	1254	8	1251	6	1247	10	1247	10	101
RO-10	201	1296	41462	4.3	10.1945	0.7	3.4725	1.2	0.2569	1.0	0.83	1474	13	1521	9	1587	12	1587	12	93
RO-10	202	161	1052955	1.7	6.8320	0.5	8.8233	0.9	0.4374	0.8	0.84	2339	16	2320	9	2303	9	2303	9	102
RO-10	203	592	136818	3.2	10.3631	0.5	3.6397	1.2	0.2737	1.1	0.91	1559	15	1558	9	1557	9	1557	9	100
RO-10	204	229	688098	1.4	9.0289	0.6	4.9104	1.1	0.3217	0.9	0.85	1798	14	1804	9	1811	10	1811	10	99
RO-10	205	178	63184	3.8	11.0854	0.7	3.1417	1.2	0.2527	1.0	0.81	1452	13	1443	9	1429	14	1429	14	102
RO-10	206	48	10186	3.8	12.6260	1.1	2.2376	1.4	0.2050	0.9	0.63	1202	10	1193	10	1176	22	1176	22	102
RO-10	207	507	61158	4.8	12.1135	0.5	2.2043	1.6	0.1937	1.5	0.94	1142	16	1182	11	1258	11	1258	11	91
RO-10	208	557	649316	2.6	12.2809	0.6	2.3570	1.1	0.2100	0.9	0.84	1229	10	1230	8	1231	12	1231	12	100
RO-10	209	76	19760	1.5	9.4618	2.2	4.0249	2.4	0.2763	0.8	0.35	1573	11	1639	19	1726	41	1726	41	91
RO-10	210	115	103624	2.9	8.7429	0.9	5.2984	1.3	0.3361	1.0	0.76	1868	16	1869	11	1869	15	1869	15	100
RO-10	211	141	79940	4.0	11.8801	0.7	2.5994	1.0	0.2241	0.8	0.76	1303	9	1300	7	1296	13	1296	13	101
RO-10	212	107	167113	2.5	12.3456	0.8	2.2498	1.2	0.2015	1.0	0.79	1184	10	1197	9	1221	15	1221	15	97
RO-10	213	447	609083	3.4	12.3555	0.5	2.2895	1.0	0.2053	0.8	0.84	1203	9	1209	7	1219	11	1219	11	99
RO-10	214	691	278698	6.2	12.5608	0.5	2.2507	1.1	0.2051	1.0	0.88	1203	11	1197	8	1187	10	1187	10	101
RO-10	215	145	233971	3.2	12.2409	0.8	2.3989	1.2	0.2131	0.9	0.75	1245	10	1242	8	1237	15	1237	15	101
RO-10	216	74	16590	2.1	12.7758	0.8	2.1486	1.0	0.1992	0.7	0.65	1171	7	1165	7	1153	15	1153	15	102
RO-10	217	130	64260	3.6	12.2981	0.6	2.3442	0.9	0.2092	0.6	0.71	1224	7	1226	6	1228	12	1228	12	100
RO-10	218	4645	5896	1.7	11.1115	0.5	1.1675	1.2	0.0941	1.1	0.89	580	6	785	7	1425	10	1425	10	41
RO-10	219	786	304575	2.7	12.4365	0.5	2.3038	1.2	0.2079	1.0	0.89	1218	12	1213	8	1206	11	1206	11	101
RO-10	220	207	77268	2.9	11.8398	0.7	2.6044	1.0	0.2237	0.7	0.73	1302	9	1302	8	1302	14	1302	14	100
RO-10	221	908	1572244	2.7	10.2577	0.5	3.6282	1.0	0.2700	0.9	0.87	1541	12	1556	8	1576	10	1576	10	98
RO-10	222	381	309645	3.8	11.7377	0.7	2.5931	1.1	0.2208	0.8	0.78	1286	10	1299	8	1319	13	1319	13	98
RO-10	223	579	57346	3.5	10.3717	0.5	3.4347	1.1	0.2585	1.0	0.91	1482	14	1512	9	1555	9	1555	9	95
RO-10	224	967	106632	3.9	11.7065	0.5	2.6081	1.3	0.2215	1.1	0.91	1290	13	1303	9	1324	10	1324	10	97
RO-10	225	777	100425	10.0	11.0658	0.6	2.9326	1.8	0.2355	1.7	0.93	1363	20	1390	13	1432	12	1432	12	95
RO-10	226	460	11740	5.4	9.9503	2.1	3.4169	2.6	0.2467	1.6	0.61	1421	20	1508	20	1633	38	1633	38	87
RO-10	227	227	68817	2.1	12.3517	0.7	2.3208	1.0	0.2080	0.7	0.72	1218	8	1219	7	1220	13	1220	13	100
RO-10	228	21	20755	2.8	12.2712	1.4	2.3453	1.6	0.2088	0.8	0.51	1223	9	1226	11	1232	27	1232	27	99
RO-10	229	183	24264	2.3	10.1917	0.8	3.5814	1.3	0.2648	0.9	0.74	1515	13	1545	10	1588	16	1588	16	95
RO-10	230	416	1220780	3.7	12.3862	0.5	2.2831	1.3	0.2052	1.3	0.94	1203	14	1207	10	1214	9	1214	9	99
RO-10	231	93	49540	0.7	9.4680	0.7	4.5161	1.1	0.3102	0.9	0.81	1742	14	1734	9	1724	12	1724	12	101
RO-10	232	449	24099	1.3	9.7890	0.5	3.7810	1.0	0.2686	0.9	0.89	1533	12	1589	8	1663	9	1663	9	92
RO-10	233	186	297348	3.0	10.0546	0.9	3.8443	1.2	0.2805	0.9	0.71	1594	12	1602	10	1613	16	1613	16	99
RO-10	234	361	61648	2.6	10.6033	0.6	3.4278	1.0	0.2637	0.8	0.81	1509	11	1511	8	1513	11	1513	11	100
RO-10	235	370	8076	6.3	10.1230	1.6	3.2482	1.8	0.2386	0.8	0.42	1379	10	1469	14	1600	31	1600	31	86
RO-10	236	183	483215	1.0	11.4148	0.7	2.8448	1.1	0.2356	0.9	0.79	1364	10	1367	8	1373	13	1373	13	99
RO-10	237	174	60014	3.3	12.3562	0.7	2.3272	1.1	0.2086	0.8	0.76	1222	9	1221	8	1219	14	1219	14	100
RO-10	238	193	64834	5.3	12.4888	0.8	2.1902	1.3	0.1985	1.0	0.79	1167	11	1178	9	1198	16	1198	16	97
RO-10	239	137	497811	2.8	10.2054	0.5	3.4825	1.0	0.2579	0.9	0.86	1479	11	1523	8	1585	10	1585	10	93
RO-10	240	136	76970	2.3	9.1165	0.5	4.7786	0.9	0.3161	0.8	0.83	1771	12	1781	8	1793	10	1793	10	99
RO-10	241	110	120724	4.5	10.7804	0.7	3.2345	1.1	0.2530	0.9	0.81	1454	12	1465	9	1482	12	1482	12	98
RO-10	242	68	9380	3.3	12.6574	0.7	2.2274	1.2	0.2046	0.9	0.78	1200	10	1190	8	1171	15	1171	15	102
RO-10	243	228	67367	4.0	12.4310	0.6	2.2802	1.0	0.2057	0.8	0.80	1206	8	1206	7	1207	11	1207	11	100
RO-10	244	206	73180	1.6	10.1894	0.6	3.7511	1.0	0.2773	0.8	0.79	1578	11	1582	8	1588	11	1588	11	99
RO-10	245	422	278390	1.8	10.3559	0.5	3.6637	1.3	0.2753	1.2	0.93	1568	17	1563	11	1558	9	1558	9	101
RO-10	246	271	77459	2.3	10.2338	0.5	3.6037	0.9	0.2676	0.8	0.86	1529	11	1550	7	1580	9	1580	9	97
RO-10	247	142	56384	2.6	11.5552	0.6	2.7555	1.1	0.2310	0.9	0.84	1340	11	1344	8	1349	12	1349	12	99
RO-10	248	201	217192	3.0	11.0845	0.6	2.9890	1.0	0.2404	0.8	0.79	1389	10	1405	8	1429	12	1429	12	97
RO-10	249	734	80835	1.5	12.1584	0.5	2.3147	1.8	0.2042	1.7	0.96	1198	19	1217	13	1251	10	1251	10	96
RO-10	250	287	61523	4.4	12.7384	0.6	2.1577	1.0	0.1994	0.9	0.84	1172	9	1168	7	1159	11	1159	11	101
RO-10	251	189	78659	3.6	11.1305	0.7	3.1015	1.1	0.2505	0.8	0.76	1441	11	1433	9	1421	14	1421	14	101
RO-10	252	1081	235296	5.5	11.6116	0.6	2.6336	1.1	0.2219	0.9	0.82	1292	11	1310	8	1340	12	1340	12	96
RO-10	253	292	70482	1.1	12.2095	0.5	2.3235	1.0	0.2058	0.8	0.85	1207	9	1220	7	1242	10	1242	10	97
RO-10	254	126	180428	2.9	10.5851	0.6	3.4949	1.0	0.2684	0.8	0.80	1533	11	1526	8	1517	11	1517	11	101
RO-10	255	162	48271	3.0	12.2515	0.9	2.2244	1.7	0.1977	1.5	0.86	1163	16	1189	12	1236	18	1236	18	94
RO-10	256	105	69854	3.4	10.9611	0.7	3.2436	1.0	0.2580	0.7	0.74	1479	10	1468	8	1451	13	1451	13	102
RO-10	257	880	4924	3.9	10.1025	0.6	1.1636	1.4	0.0853	1.2	0.89	528	6	784	7	1604	11	1604	11	33
RO-10	258	117	84479	1.9	12.4648	0.6	2.2934	0.9	0.2074	0.7	0.77	1215	8	1210	6	1202	11	1202	11	101
RO-10	259	568	171825	1.4	12.2221	0.4	2.3590	1.1	0.2092	1.0	0.92	1225	12	1230	8	1240	9	1240	9	99
RO-10	260	33	12603	4.0	12.5965	1.1	2.1876	1.4	0.1999	0.9	0.61	1175	9	1177	10	1181	23	1181	23	99
RO-10	261	538	177072	1.8	11.4899	0.4	2.7408	0.9	0.2285	0.8	0.88	1327	10	1340	7	1360	8	1360	8	98
RO-10	262	520	118414	3.2	10.3531	0.4	3.5355	1.1	0.2656	1.1	0.94	1518	14	1535	9	1558	8	1558	8	97
RO-10	263	131	682218	1.7	12.2448	0.7	2.3643	0.9	0.2101	0.6	0.69	1229	7	1232	7	1237	13	1237	13	99
RO-10	264	716	38042	2.9	12.0794	0.9	2.2586	1.4	0.1980	1.0	0.75	1164	11	1199	10	1263	17	1263	17	92
RO-10	265	58	8416	4.6	12.5206	0.7	2.3151	0.9	0.2103	0.6	0.63	1231	7	1217	7	1193	14	1193	14	103
RO-10	266	440	707211	2.1	12.5496	0.4	2.1705	0.8	0.1976	0.7	0.86	1163	7	1172	5	1188	8	1188	8	98

RO-10	267	366	79684	2.1	12.2409	0.4	2.4047	0.8	0.2136	0.7	0.85	1248	8	1244	6	1237	8	1237	8	101
RO-10	268	230	105682	1.7	12.3230	0.5	2.3084	0.8	0.2064	0.6	0.79	1210	7	1215	5	1224	9	1224	9	99
RO-10	269	240	534101	1.6	12.3189	0.5	2.2903	0.8	0.2047	0.6	0.73	1201	6	1209	5	1225	10	1225	10	98
RO-10	270	641	67674	4.0	10.2006	0.4	3.4017	1.0	0.2518	1.0	0.93	1448	13	1505	8	1586	7	1586	7	91
RO-10	271	447	260588	2.0	10.7802	0.4	3.3132	0.8	0.2592	0.7	0.86	1486	10	1484	7	1482	8	1482	8	100
RO-10	272	159	52780	2.1	10.5487	0.5	3.3797	0.7	0.2587	0.5	0.71	1483	7	1500	6	1523	10	1523	10	97
RO-10	273	143	139174	1.6	9.1598	0.6	4.8505	1.0	0.3224	0.8	0.82	1801	13	1794	8	1785	10	1785	10	101
RO-10	274	744	13180	1.1	9.5566	1.2	3.8228	1.6	0.2651	1.0	0.63	1516	14	1598	13	1707	23	1707	23	89
RO-10	275	94	501758	3.6	12.3967	0.6	2.2249	0.9	0.2001	0.6	0.69	1176	6	1189	6	1212	12	1212	12	97
RO-10	276	347	386826	1.3	12.2178	0.5	2.3789	0.9	0.2109	0.7	0.81	1234	8	1236	6	1241	10	1241	10	99
RO-10	277	174	60425	1.6	9.4533	0.5	4.4646	0.8	0.3062	0.7	0.83	1722	11	1724	7	1727	9	1727	9	100
RO-10	278	175	63066	4.6	12.3253	0.5	2.2745	0.9	0.2034	0.7	0.81	1194	8	1204	6	1224	10	1224	10	98
RO-10	279	1983	21177	3.0	11.6226	0.5	2.1850	2.0	0.1843	2.0	0.97	1090	20	1176	14	1338	9	1338	9	81
RO-10	280	164	62428	2.0	10.5444	0.6	3.4799	1.1	0.2662	0.9	0.83	1522	13	1523	9	1524	12	1524	12	100
RO-10	281	176	30991	2.5	12.4170	0.7	2.3174	1.0	0.2088	0.7	0.74	1222	8	1218	7	1209	13	1209	13	101
RO-10	282	443	1137669	2.3	10.5494	0.6	3.6006	1.2	0.2756	1.0	0.88	1569	14	1550	9	1523	11	1523	11	103
RO-10	283	238	156268	1.9	12.2763	0.6	2.3204	0.8	0.2067	0.6	0.68	1211	6	1219	6	1232	12	1232	12	98
RO-10	284	538	1603066	2.9	10.3999	0.5	3.6024	1.0	0.2718	0.9	0.87	1550	12	1550	8	1550	9	1550	9	100
RO-10	285	622	85067	3.8	12.4233	0.4	2.1933	1.1	0.1977	1.0	0.93	1163	11	1179	8	1208	8	1208	8	96
RO-10	286	240	543923	5.9	9.2393	1.1	4.3599	2.3	0.2923	2.0	0.87	1653	29	1705	19	1769	21	1769	21	93

RO-12	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
RO-12	1	45	14957	1.4	10.2845	1.1	3.5713	1.5	0.2665	1.1	0.71	1523	15	1543	12	1571	20	1473	23	96
RO-12	2	480	82877	3.3	10.3695	0.7	3.5716	1.4	0.2687	1.2	0.85	1534	16	1543	11	1555	14	1550	13	98
RO-12	3	539	234692	2.4	9.6439	0.8	4.1794	1.4	0.2925	1.2	0.84	1654	17	1670	11	1690	14	1532	17	99
RO-12	4	170	69815	2.1	10.8773	1.0	3.2416	1.9	0.2558	1.6	0.85	1469	21	1467	15	1465	19	1597	20	98
RO-12	5	203	96797	3.6	10.4343	0.8	3.5990	1.7	0.2725	1.5	0.88	1553	20	1549	13	1544	15	1770	15	96
RO-12	6	223	85455	4.0	10.1979	1.0	3.6633	1.7	0.2711	1.4	0.82	1546	19	1563	13	1587	18	1523	14	102
RO-12	7	381	64388	4.0	10.5240	0.8	3.2972	1.7	0.2518	1.5	0.88	1448	19	1480	13	1528	15	1025	21	100
RO-12	8	137	63801	2.3	7.5478	1.1	7.2095	1.8	0.3948	1.4	0.79	2145	26	2138	16	2130	19	1778	11	101
RO-12	9	101	56272	2.1	10.7131	0.9	3.1228	1.8	0.2427	1.6	0.88	1401	20	1438	14	1494	16	1494	16	94
RO-12	10	493	88833	4.1	10.2583	0.8	3.5217	1.3	0.2621	1.0	0.77	1501	14	1532	10	1576	16	1147	17	96
RO-12	11	93	40116	1.5	8.2038	0.8	6.0513	1.5	0.3602	1.2	0.83	1983	21	1983	13	1983	15	1578	19	98
RO-12	12	20	12923	1.0	10.8795	1.3	3.0695	1.9	0.2423	1.4	0.72	1399	17	1425	15	1465	25	1359	16	101
RO-12	13	119	39876	2.4	10.0827	0.9	3.7044	1.6	0.2710	1.3	0.82	1546	18	1572	13	1608	17	1452	11	99
RO-12	14	352	3059502	1.9	9.1910	0.8	4.6896	1.5	0.3127	1.2	0.84	1754	19	1765	12	1779	15	1549	11	101
RO-12	15	242	115491	2.4	10.4251	0.8	3.5631	1.4	0.2695	1.2	0.84	1538	16	1541	11	1545	15	1561	13	99
RO-12	16	90	29510	1.1	9.1285	0.8	4.8590	1.4	0.3218	1.1	0.83	1799	18	1795	12	1791	14	1748	19	100
RO-12	17	42	128529	0.8	13.1611	1.0	1.7767	1.5	0.1697	1.1	0.74	1010	11	1037	10	1094	21	1094	21	92
RO-12	18	90	10735	2.2	8.6200	0.9	5.0647	1.4	0.3168	1.0	0.73	1774	16	1830	12	1895	17	1895	17	94
RO-12	19	443	780153	2.3	10.3354	0.6	3.5995	1.2	0.2699	1.0	0.85	1540	14	1549	9	1562	12	1551	11	100
RO-12	20	178	35920	2.2	10.7287	0.6	3.3536	1.1	0.2611	0.9	0.81	1495	12	1494	8	1491	12	1608	17	96
RO-12	21	219	71638	1.6	11.0762	0.9	3.1401	1.5	0.2524	1.1	0.77	1451	14	1443	11	1431	18	1854	12	102
RO-12	22	146	20256	1.0	10.6329	0.7	3.2592	1.5	0.2514	1.3	0.88	1446	17	1471	11	1508	13	1427	17	100
RO-12	23	422	125240	3.0	10.2952	0.7	3.6024	1.4	0.2691	1.2	0.87	1536	17	1550	11	1569	13	1533	14	98
RO-12	24	493	33846	3.0	11.0074	0.7	2.8617	1.4	0.2286	1.2	0.87	1327	15	1372	11	1443	13	1443	13	92
RO-12	25	502	106115	5.0	13.3450	0.8	1.7981	1.5	0.1741	1.3	0.86	1035	12	1045	10	1066	15	1498	14	100
RO-12	26	172	96311	1.8	9.0272	0.9	5.0574	1.5	0.3313	1.2	0.78	1844	19	1829	13	1811	17	1966	10	104
RO-12	27	290	71278	1.2	8.8404	0.6	4.9943	1.1	0.3204	0.9	0.83	1791	14	1818	9	1849	11	1468	13	97
RO-12	28	1308	592801	3.4	10.4426	0.6	3.5629	1.2	0.2700	1.0	0.85	1541	14	1541	9	1542	12	1575	12	95
RO-12	29	114	65140	3.8	10.4663	1.0	3.5518	1.6	0.2697	1.3	0.80	1539	17	1539	13	1538	18	1584	15	100
RO-12	30	145	144599	0.9	9.0293	0.6	4.9656	1.1	0.3253	0.9	0.85	1816	15	1813	9	1811	11	1605	20	95
RO-12	31	307	157023	1.7	9.2439	0.7	4.7592	1.3	0.3192	1.1	0.86	1786	17	1778	11	1768	12	1791	14	100
RO-12	32	136	44073	1.2	5.5681	0.6	12.7699	1.1	0.5159	0.9	0.83	2682	21	2663	11	2648	10	1821	14	98
RO-12	33	236	81282	3.6	10.8967	0.9	3.0480	1.6	0.2410	1.3	0.82	1392	17	1420	12	1462	17	1139	16	97
RO-12	34	210	94023	2.6	10.6722	0.8	3.3940	1.3	0.2628	1.1	0.82	1504	15	1503	11	1501	15	1588	15	97
RO-12	35	95	29104	4.3	10.3937	0.8	3.6418	1.3	0.2746	1.0	0.78	1564	14	1559	10	1551	15	1782	13	97
RO-12	36	1098	48315	1.5	11.3628	1.0	2.6585	1.5	0.2192	1.1	0.74	1278	13	1317	11	1382	20	1382	20	92
RO-12	37	236	77714	2.3	8.2838	0.6	6.1871	1.2	0.3719	1.0	0.87	2038	18	2003	10	1966	10	2651	11	99
RO-12	38	362	105643	3.6	10.5024	0.7	3.5389	1.2	0.2697	1.0	0.82	1539	13	1536	9	1532	13	1761	14	101
RO-12	39	539	32501	1.3	5.5139	0.6	9.7985	2.1	0.3920	2.0	0.96	2132	36	2416	19	2665	9	2665	9	80
RO-12	40	469	172706	4.0	10.3570	0.7	3.6363	1.2	0.2733	0.9	0.80	1557	13	1558	9	1558	13	1578	14	99
RO-12	41	359	318339	1.0	9.2490	0.6	4.7012	1.0	0.3155	0.8	0.76	1768	12	1767	8	1767	12	1578	19	98
RO-12	42	208	52765	1.2	8.9955	0.7	4.9135	1.3	0.3207	1.0	0.82	1793	16	1805	11	1818	13	1551	11	97
RO-12	43	1320	73486	2.1	10.2477	0.7	3.6676	1.3	0.2727	1.0	0.80	1555	14	1564	10	1578	14	1545	15	100
RO-12	44	384	75054	2.9	10.4727	0.7	3.5798	1.2	0.2720	1.0	0.83	1551	14	1545	9	1537	13	1784	13	101
RO-12	45	423	141094	4.3	10.5872	0.7	3.5368	1.3	0.2717	1.1	0.85	1549	15	1535	10	1516	13	2004	16	100
RO-12	46	150	36511	1.7	9.2546	0.7	4.8343	1.1	0.3246	0.8	0.76	1812	13	1791	9	1766	13	2135	9	97
RO-12	47	211	67232	1.4	9.4256	0.6	4.4957	1.1	0.3075	0.9	0.83	1728	14	1730	9	1733	12	1569	17	99
RO-12	48	447	834783	2.4	10.3283	0.7	3.5838	1.2	0.2686	1.0	0.80	1534	13	1546	10	1563	13	1538	18	100
RO-12	49	178	59110	1.1	9.2615	0.8	4.5347	1.3	0.3047	1.0	0.79	1715	15	1737	11	1765	14	1501	15	100
RO-12	50	343	355338	2.3	9.1854	0.5	4.7126	1.2	0.3141	1.1	0.89	1761	16	1769	10	1780	10	1555	14	99
RO-12	51	287	97351	0.8	8.1982	0.7	5.8641	1.3	0.3488	1.1	0.84	1929	19	1956	12	1985	13	1509	16	100
RO-12	52	155	220538	3.5	10.6902	0.7	3.3788	1.2	0.2621	1.0	0.81	1500	14	1499	10	1498	14	1587	18	97
RO-12	53	216	132299	1.9	5.5585	0.7	12.3985	1.3	0.5001	1.1	0.86	2614	24	2635	12	2651	11	1548	12	100
RO-12	54	51	16561	2.3	10.5042	0.9	3.6289	1.5	0.2766	1.2	0.80	1574	17	1556	12	1531	17	2189	14	99
RO-12	55	53	14162	1.9	11.1331	1.5	3.1952	2.2	0.2581	1.6	0.73	1480	21	1456	17	1421	29	3330	14	100
RO-12	56	529	294992	3.2	10.2437	1.0	3.6469	1.7	0.2711	1.3	0.79	1546	18	1560	13	1578	19	1535	12	98
RO-12	57	331	79084	2.2	10.3831	0.9	3.5650	1.6	0.2686	1.3	0.82	1534	18	1542	13	1553	17	1552	13	98
RO-12	58	138	64025	2.9	10.5464	0.9	3.6001	1.3	0.2755	1.0	0.75	1569	14	1550	11	1524	17	2491	12	102
RO-12	59	190	4636770	1.4	8.7112	0.8	5.4682	1.2	0.3456	0.9	0.75	1914	15	1896	10	1876	15	1985	13	97
RO-12	60	415	350166	2.8	10.2900	0.8	3.6752	1.6	0.2744	1.5	0.88	1563	20	1566	13	1570	14	1562	13	98
RO-12	61	443	297465	2.2	10.3452	0.8	3.6608	1.5	0.2748	1.2	0.85	1565	17	1563	12	1560	14	1677	12	99
RO-12	62	330	56267	3.0	10.5358	0.6	3.5349	1.4	0.2702	1.2	0.89	1542	17	1535	11	1526	12	1797	16	99
RO-12	63	134	9200155	3.5	10.5783	0.7	3.5468	1.2	0.2722	1.1	0.85	1552	15	1538	10	1518	12	2013	13	99
RO-12	64	176	69123	2.5	10.1578	0.8	3.8053	1.3	0.2805	1.0	0.77	1594	14	1594	10	1594	15	1578	13	97
RO-12	65	1102	21032	1.8	10.3874	0.8	3.2271	1.5	0.2432	1.3	0.86	1403	16	1464	12	1552	14	1552	14	90

RO-12	66	207	69089	2.2	10.2406	0.7	3.3789	1.4	0.2511	1.2	0.88	1444	15	1500	11	1579	12	1579	12	91
RO-12	67	535	77019	3.9	10.5487	0.7	3.5435	1.5	0.2712	1.4	0.88	1547	19	1537	12	1523	14	1877	14	101
RO-12	68	400	205736	4.2	10.4478	0.7	3.5365	1.2	0.2681	0.9	0.79	1531	12	1535	9	1541	13	1560	14	100
RO-12	69	369	63195	2.0	12.6914	0.6	2.1653	1.1	0.1994	0.9	0.80	1172	9	1170	7	1166	13	1766	13	103
RO-12	70	140	835386	2.0	10.7210	0.8	3.3944	1.4	0.2640	1.1	0.81	1511	15	1503	11	1493	15	1813	10	97
RO-12	71	172	62417	2.5	10.6905	0.7	2.9954	1.4	0.2323	1.2	0.86	1347	14	1406	10	1498	13	1498	13	90
RO-12	72	634	91167	1.8	10.5406	0.8	3.4082	1.4	0.2607	1.1	0.82	1493	15	1506	11	1525	15	1535	12	99
RO-12	73	80	16387	1.5	9.2070	0.7	4.8176	1.1	0.3218	0.9	0.80	1799	14	1788	9	1775	12	1829	12	100
RO-12	74	398	200268	3.9	10.4363	0.6	3.5031	1.1	0.2653	0.9	0.81	1517	12	1528	9	1543	12	1541	12	99
RO-12	75	277	63832	1.1	10.4705	0.7	3.5370	1.3	0.2687	1.1	0.84	1534	15	1536	10	1537	14	1571	15	100
RO-12	76	775	195774	3.5	10.3726	0.6	3.4062	1.9	0.2564	1.8	0.94	1471	23	1506	15	1555	12	624	6	98
RO-12	77	270	44216	3.0	10.5965	0.5	3.5072	1.2	0.2697	1.1	0.90	1539	15	1529	10	1515	10	1910	11	99
RO-12	78	130	47443	3.2	10.8302	1.2	3.1187	1.7	0.2451	1.2	0.70	1413	15	1437	13	1473	23	1431	18	101
RO-12	79	284	51557	1.5	8.8819	0.6	4.6883	1.5	0.3021	1.4	0.91	1702	21	1765	13	1841	12	1841	12	92
RO-12	80	250	863436	1.4	5.5744	0.5	12.2430	1.0	0.4952	0.9	0.86	2593	19	2623	10	2647	9	1536	14	98
RO-12	81	344	69033	3.1	11.9774	0.7	2.2926	1.1	0.1992	0.9	0.77	1171	9	1210	8	1280	14	1280	14	92
RO-12	82	349	128204	2.2	10.9550	0.6	3.1502	1.2	0.2504	1.0	0.87	1441	13	1445	9	1452	11	1559	14	98
RO-12	83	220	120305	3.4	10.6095	0.7	3.4759	1.3	0.2676	1.1	0.86	1529	15	1522	10	1512	12	1792	16	99
RO-12	84	226	65355	1.7	10.7297	0.6	3.3262	1.1	0.2590	0.9	0.85	1484	12	1487	8	1491	10	1562	12	99
RO-12	85	455	197642	2.6	10.4313	0.7	3.5685	1.1	0.2701	0.8	0.79	1541	12	1543	8	1544	12	1570	14	100
RO-12	86	208	63132	3.5	10.3411	0.7	3.6031	1.1	0.2704	0.8	0.76	1543	11	1550	9	1561	13	1553	17	99
RO-12	87	260	639718	2.4	10.3370	0.7	3.6229	1.3	0.2717	1.1	0.85	1550	15	1555	10	1561	13	1559	13	97
RO-12	88	89	54250	0.6	9.2807	0.8	4.7301	1.3	0.3185	1.0	0.79	1783	15	1773	11	1761	14	1818	13	98
RO-12	89	601	109614	3.0	11.1490	0.6	2.7813	1.2	0.2250	1.0	0.85	1308	12	1351	9	1418	12	1418	12	92
RO-12	90	384	74530	9.2	10.3512	0.7	3.6286	1.5	0.2725	1.3	0.89	1554	18	1556	12	1559	13	1565	14	100
RO-12	91	85	194269	1.1	8.1103	0.9	6.2016	1.3	0.3649	1.0	0.72	2006	16	2005	12	2004	16	1584	15	96
RO-12	92	795	374602	2.7	10.3837	0.6	3.5139	1.3	0.2647	1.1	0.87	1514	15	1530	10	1553	12	1525	15	98
RO-12	93	255	75404	4.6	10.0994	1.1	3.6414	1.7	0.2668	1.2	0.75	1525	17	1559	13	1605	20	1132	20	99
RO-12	94	165	90171	0.9	11.0056	0.6	3.2277	1.3	0.2577	1.1	0.89	1478	15	1464	10	1443	11	2060	12	99
RO-12	95	196	39174	2.8	10.3418	0.8	3.6143	1.3	0.2712	1.0	0.79	1547	14	1553	10	1560	15	1558	13	100
RO-12	96	588	190482	3.1	10.2022	0.8	3.6967	1.2	0.2736	0.9	0.78	1559	13	1571	10	1586	14	1541	13	99
RO-12	97	466	1258148	4.1	10.3639	0.7	3.5857	1.1	0.2696	0.9	0.81	1539	13	1546	9	1556	12	1553	19	97
RO-12	98	182	36480	3.1	10.4301	0.7	3.6147	1.4	0.2736	1.1	0.85	1559	16	1553	11	1545	14	1784	11	97
RO-12	99	661	122449	2.5	10.2933	0.7	3.4551	1.3	0.2581	1.1	0.86	1480	15	1517	10	1569	12	1569	12	94
RO-12	100	521	2235363	4.4	10.2356	0.6	3.6152	1.3	0.2685	1.2	0.90	1533	16	1553	10	1580	11	1495	13	98
RO-12	101	219	61783	0.8	8.5491	0.6	5.4842	1.1	0.3402	0.9	0.84	1888	15	1898	10	1910	11	1553	12	97
RO-12	102	82	61008	1.5	10.4087	0.9	3.5532	1.6	0.2684	1.3	0.83	1532	18	1539	13	1548	17	1556	17	102
RO-12	103	581	84118	3.1	12.8149	0.8	1.9983	1.5	0.1858	1.3	0.84	1099	13	1115	10	1147	17	1389	15	101
RO-12	104	412	62960	3.9	10.5389	0.9	3.4584	1.9	0.2645	1.7	0.89	1513	23	1518	15	1525	16	1558	16	100
RO-12	105	268	61171	3.4	10.3584	0.9	3.6070	1.3	0.2711	1.0	0.75	1546	14	1551	11	1557	16	1559	21	98
RO-12	106	515	219186	3.3	10.2149	0.8	3.5900	1.7	0.2661	1.5	0.87	1521	20	1547	13	1584	15	1445	13	99
RO-12	107	283	29811	5.8	10.4820	0.9	3.4308	1.7	0.2609	1.5	0.86	1495	20	1511	14	1535	17	1515	10	102
RO-12	108	116	63743	1.7	9.2597	0.9	4.7326	1.7	0.3180	1.5	0.86	1780	23	1773	14	1765	16	1780	10	99
RO-12	109	99	41724	0.9	8.6984	0.6	5.4692	1.1	0.3452	0.9	0.83	1912	15	1896	10	1879	11	1958	15	97
RO-12	110	384	113871	2.7	10.2366	0.8	3.6130	1.4	0.2684	1.2	0.85	1532	17	1552	11	1580	14	1491	12	100
RO-12	111	70	10367	1.9	9.2930	0.8	4.7628	1.4	0.3212	1.1	0.78	1795	17	1778	11	1758	15	1992	14	101
RO-12	112	290	2932534	0.8	8.8601	0.7	5.0738	1.4	0.3262	1.2	0.85	1820	19	1832	12	1845	13	1548	17	99
RO-12	113	269	42751	3.3	10.3536	0.7	3.5540	1.7	0.2670	1.5	0.91	1526	21	1539	13	1558	13	1533	15	101
RO-12	114	492	132858	19.5	8.0458	0.8	5.9668	1.4	0.3483	1.2	0.85	1927	20	1971	12	2018	13	1340	13	101
RO-12	115	109	67353	0.7	10.9412	0.8	3.1230	1.2	0.2479	0.9	0.75	1428	12	1438	9	1454	15	1540	11	98
RO-12	116	238	78258	3.2	10.2876	0.8	3.6884	1.3	0.2753	1.0	0.79	1568	14	1569	10	1570	14	1572	14	95
RO-12	117	48	4979	3.7	17.2634	2.1	0.8150	2.4	0.1021	1.2	0.49	627	7	605	11	526	45	627	7	119
RO-12	118	628	278011	2.9	10.2622	0.6	3.5256	1.4	0.2625	1.2	0.88	1503	16	1533	11	1575	12	1207	15	101
RO-12	119	484	118251	3.9	10.3059	0.7	3.6025	1.2	0.2694	1.0	0.81	1538	14	1550	10	1567	13	1538	12	99
RO-12	120	400	123781	1.9	8.9809	0.8	4.8893	1.3	0.3186	1.1	0.81	1783	17	1800	11	1821	14	1534	13	100
RO-12	121	208	63357	4.7	10.5021	0.7	3.5386	1.2	0.2696	0.9	0.81	1539	13	1536	9	1532	13	1759	13	98
RO-12	122	291	63988	2.9	10.3715	0.7	3.6461	1.3	0.2744	1.1	0.87	1563	16	1560	10	1555	12	1765	16	101
RO-12	123	301	402423	2.7	10.3417	0.8	3.5528	1.3	0.2666	1.0	0.80	1523	14	1539	10	1560	15	1530	15	101
RO-12	124	80	15184	1.0	9.2339	0.9	4.6577	1.6	0.3121	1.3	0.81	1751	20	1760	13	1770	17	1555	14	100
RO-12	125	179	54757	3.3	10.7635	0.8	3.1437	1.2	0.2455	0.9	0.75	1415	11	1443	9	1485	15	1158	15	95
RO-12	126	276	33179	2.0	9.7154	0.7	4.1808	1.1	0.2947	0.9	0.79	1665	13	1670	9	1677	12	1560	13	96
RO-12	127	115	78644	4.9	10.3258	0.9	3.5146	1.4	0.2633	1.1	0.77	1507	15	1531	11	1563	17	1462	17	95
RO-12	128	2030	7448	2.3	9.0049	1.3	4.1456	1.7	0.2709	1.1	0.64	1545	15	1663	14	1816	23	1816	23	85
RO-12	129	190	58282	2.3	10.6807	0.7	3.3115	1.3	0.2566	1.1	0.84	1473	14	1484	10	1500	13	1539	18	99
RO-12	130	380	56165	4.0	10.3457	0.7	3.4848	1.3	0.2616	1.1	0.83	1498	14	1524	10	1560	13	1443	11	102
RO-12	131	611	129206	3.2	10.3938	0.6	3.5027	1.4	0.2642	1.2	0.90	1511	17	1528	11	1551	11	1522	18	101
RO-12	132	160	73298	3.4	10.5496	0.8	3.5013	1.2	0.2680	1.0	0.79	1531	13	1528	10	1523	14	1765	14	97

RO-12	133	830	46701	1.7	9.9441	0.6	3.5051	1.3	0.2529	1.2	0.89	1453	15	1528	10	1634	11	1634	11	89
RO-12	134	241	67204	1.7	9.2367	0.8	4.5028	1.2	0.3018	0.9	0.76	1700	14	1731	10	1770	15	1450	17	99
RO-12	135	48	486722	2.7	16.3871	1.5	0.8555	1.8	0.1017	0.9	0.54	624	6	628	8	639	32	1531	12	100
RO-12	136	339	58660	5.7	10.4950	0.8	3.5845	1.1	0.2730	0.8	0.73	1556	11	1546	9	1533	15	1864	12	100
RO-12	137	127	31983	1.3	11.3194	0.8	2.9597	1.2	0.2431	1.0	0.77	1403	12	1397	9	1389	15	1790	14	101
RO-12	138	262	76753	3.3	10.4966	0.7	3.4922	1.2	0.2660	1.0	0.84	1520	14	1525	10	1533	12	1558	13	98
RO-12	139	89	26925	1.8	10.8589	0.7	3.1374	1.3	0.2472	1.1	0.86	1424	14	1442	10	1468	13	1474	20	95
RO-12	140	90	20928	1.0	12.9122	1.0	2.0185	1.4	0.1891	1.0	0.72	1117	11	1122	10	1132	20	1551	15	101
RO-12	141	416	291201	2.5	10.2480	0.7	3.6239	1.4	0.2695	1.2	0.86	1538	17	1555	11	1578	13	1525	16	99
RO-12	142	337	184121	4.5	10.3352	0.7	3.5799	1.1	0.2685	0.9	0.81	1533	13	1545	9	1562	13	1538	19	98
RO-12	143	290	137098	3.5	10.4192	0.6	3.4197	1.2	0.2585	1.0	0.86	1482	13	1509	9	1546	11	1421	29	104
RO-12	144	105	10853	1.4	10.6274	0.9	3.4032	1.3	0.2624	1.0	0.74	1502	13	1505	10	1509	16	1560	15	98
RO-12	145	703	2580380	2.9	10.3149	0.6	3.5076	1.4	0.2625	1.2	0.88	1503	16	1529	11	1565	12	1438	16	103
RO-12	146	178	73366	3.1	10.3717	0.7	3.5479	1.1	0.2670	0.9	0.80	1526	12	1538	9	1555	12	1538	17	97
RO-12	147	523	185258	4.1	10.4375	0.6	3.6350	1.2	0.2753	1.0	0.85	1568	14	1557	9	1543	11	1879	11	102
RO-12	148	412	68327	216.5	13.8024	0.8	1.6816	1.2	0.1684	0.9	0.74	1003	9	1002	8	998	17	1767	12	100
RO-12	149	183	42547	1.9	9.1248	0.9	4.7866	1.4	0.3169	1.1	0.80	1775	17	1783	12	1792	16	1556	12	99
RO-12	150	351	561055	3.3	10.9919	0.7	3.1048	1.2	0.2476	1.0	0.82	1426	13	1434	9	1445	13	1551	17	98
RO-12	151	100	177133	1.0	8.9386	0.7	5.0610	1.2	0.3282	1.0	0.84	1830	16	1830	10	1829	12	1580	14	97
RO-12	152	110	124635	2.1	10.5284	0.9	3.5461	1.4	0.2709	1.0	0.75	1545	14	1538	11	1527	17	1818	13	99
RO-12	153	258	171862	3.1	10.7722	0.7	3.1011	1.1	0.2424	0.9	0.79	1399	11	1433	9	1484	13	1484	13	94
RO-12	154	534	293036	3.8	10.3504	0.7	3.5642	1.0	0.2677	0.7	0.71	1529	10	1542	8	1559	14	1537	14	100
RO-12	155	318	43174	139.3	13.3812	0.7	1.6976	1.0	0.1648	0.8	0.78	984	7	1008	7	1060	13	1060	13	93
RO-12	156	231	74675	3.6	10.5220	0.5	3.6543	1.2	0.2790	1.1	0.91	1586	16	1561	10	1528	10	2770	14	97
RO-12	157	140	453669	1.7	8.7279	0.5	5.3200	0.9	0.3369	0.8	0.83	1872	12	1872	8	1872	9	1577	16	98
RO-12	158	305	74806	3.9	10.3735	0.7	3.6103	1.1	0.2717	0.8	0.75	1550	12	1552	9	1555	14	1565	12	96
RO-12	159	398	526526	3.1	10.3779	0.7	3.6824	1.2	0.2773	1.0	0.84	1578	15	1568	10	1554	13	1872	9	100
RO-12	160	156	88833	0.5	8.3274	0.7	5.6808	1.3	0.3432	1.1	0.82	1902	18	1928	11	1957	13	1511	11	101
RO-12	161	124	23114	2.1	10.5574	0.9	3.5124	1.4	0.2691	1.1	0.75	1536	15	1530	11	1522	18	1787	14	97
RO-12	162	344	128214	4.3	10.3897	0.7	3.5187	1.3	0.2653	1.1	0.83	1517	15	1531	10	1552	14	1532	13	100
RO-12	163	1406	1548	3.9	6.1979	0.8	2.1613	1.7	0.0972	1.5	0.89	598	9	1169	12	2469	13	2469	13	24
RO-12	164	432	80989	2.6	10.4053	0.6	3.6371	1.4	0.2746	1.2	0.90	1564	17	1558	11	1549	11	1790	9	98
RO-12	165	309	164938	3.0	8.9935	0.7	4.8538	1.2	0.3167	1.0	0.81	1774	15	1794	10	1818	13	1527	13	99
RO-12	166	149	110799	1.5	9.1337	0.8	4.8715	1.2	0.3228	0.9	0.76	1804	15	1797	10	1790	14	1779	15	99
RO-12	167	259	55293	2.8	10.2616	0.9	3.5072	1.4	0.2611	1.0	0.74	1496	14	1529	11	1575	17	1066	15	97
RO-12	168	502	371737	3.8	10.3221	0.8	3.5107	1.6	0.2629	1.3	0.86	1505	18	1530	12	1564	15	1454	15	98
RO-12	169	215	55130	1.6	9.0167	0.6	4.8103	1.3	0.3147	1.1	0.90	1764	18	1787	11	1813	10	1512	12	101
RO-12	170	34	24044	0.9	9.4445	1.3	4.3130	1.8	0.2956	1.3	0.72	1669	19	1696	15	1729	23	1465	25	95
RO-12	171	242	136839	2.0	10.8808	0.8	3.1664	1.2	0.2500	0.9	0.75	1438	11	1449	9	1465	15	1540	10	101
RO-12	172	98	34125	1.0	8.3233	0.8	5.6981	1.3	0.3441	1.0	0.78	1906	17	1931	11	1958	15	1516	13	102
RO-12	173	407	121592	4.2	10.4927	0.7	3.4435	1.3	0.2622	1.1	0.83	1501	15	1514	10	1533	14	1533	15	100
RO-12	174	479	109149	3.4	10.3877	0.6	3.5190	1.4	0.2652	1.3	0.89	1517	17	1531	11	1552	12	1531	15	100
RO-12	175	401	72845	4.0	10.1901	0.8	3.6709	1.3	0.2714	1.1	0.80	1548	15	1565	11	1588	15	1524	17	103
RO-12	176	488	337273	0.8	8.9604	0.9	4.6496	1.5	0.3023	1.2	0.78	1703	17	1758	12	1825	17	1825	17	93
RO-12	177	1182	64218	3.4	10.3502	0.7	3.5249	1.3	0.2647	1.0	0.83	1514	14	1533	10	1559	13	1500	13	98
RO-12	178	581	70479	3.4	10.2804	0.8	3.5101	1.4	0.2618	1.2	0.84	1499	16	1529	11	1572	14	1199	15	100
RO-12	179	145	28273	2.4	10.3139	1.0	3.6605	1.5	0.2739	1.2	0.78	1561	17	1563	12	1566	18	1566	18	100
RO-12	180	81	7263	2.2	16.8418	2.2	0.8581	2.7	0.1049	1.4	0.54	643	9	629	12	580	49	643	9	111
RO-12	181	283	83274	2.5	10.2964	0.9	3.6430	1.6	0.2722	1.3	0.81	1552	18	1559	13	1569	17	1555	12	95
RO-12	182	450	70930	3.1	10.2467	1.0	3.6255	1.9	0.2696	1.6	0.85	1539	22	1555	15	1578	19	1525	14	101
RO-12	183	161	42293	3.4	10.3917	0.9	3.5128	1.7	0.2649	1.5	0.85	1515	20	1530	14	1551	17	1531	12	101
RO-12	184	117	962058	3.1	10.3493	1.1	3.5659	1.6	0.2678	1.2	0.74	1529	16	1542	13	1559	21	1538	12	98
RO-12	185	270	38917	4.0	10.4582	1.0	3.5066	1.5	0.2661	1.2	0.77	1521	16	1529	12	1539	18	1552	12	98
RO-12	186	128	2926327	1.5	8.7047	0.8	5.3943	1.3	0.3407	1.0	0.81	1890	17	1884	11	1877	14	1775	12	101
RO-12	187	91	35097	1.4	9.3132	0.9	4.8425	1.4	0.3272	1.1	0.79	1825	18	1792	12	1755	16	2999	9	100
RO-12	188	562	94393	3.0	10.3675	0.7	3.5683	1.3	0.2684	1.1	0.86	1533	15	1543	10	1556	13	1544	12	100
RO-12	189	159	188734	1.7	6.1174	0.7	10.9476	1.3	0.4859	1.1	0.84	2553	23	2519	12	2491	12	2130	19	101
RO-12	190	222	50099	2.5	10.2832	0.8	3.7178	1.4	0.2774	1.1	0.80	1578	15	1575	11	1571	15	1755	16	104
RO-12	191	469	71183	4.7	10.3989	0.8	3.4895	1.5	0.2633	1.2	0.83	1507	17	1525	12	1550	16	1508	13	96
RO-12	192	307	130230	1.9	10.6003	0.8	3.3719	1.5	0.2593	1.3	0.84	1487	17	1498	12	1514	15	1539	16	100
RO-12	193	196	81288	1.2	9.1894	0.8	4.7112	1.3	0.3141	1.0	0.77	1761	15	1769	11	1779	15	1556	13	99
RO-12	194	531	855195	2.8	10.3445	0.8	3.5408	1.2	0.2658	1.0	0.79	1519	13	1536	10	1560	14	1518	12	102
RO-12	195	128	29912	2.7	12.4302	0.8	2.2996	1.2	0.2074	0.9	0.77	1215	10	1212	9	1207	15	1770	17	99
RO-12	196	217	65347	3.4	12.7440	0.7	2.0221	1.4	0.1870	1.2	0.85	1105	12	1123	10	1158	15	1257	13	98
RO-12	197	251	205889	1.0	12.4807	0.8	2.2538	1.2	0.2041	1.0	0.79	1197	11	1198	9	1199	15	1574	12	99
RO-12	198	165	106181	1.0	8.1692	0.9	6.1299	1.5	0.3633	1.2	0.79	1998	21	1995	13	1991	17	1733	12	100
RO-12	199	280	198834	5.5	10.4665	0.9	3.4287	1.8	0.2604	1.5	0.87	1492	21	1511	14	1538	17	1485	15	95

RO-12	200	165	72269	3.8	10.2692	0.6	3.6658	1.5	0.2731	1.4	0.91	1557	19	1564	12	1574	12	1555	12	101
RO-12	201	165	69289	4.1	10.3478	0.8	3.6351	1.7	0.2729	1.5	0.90	1556	21	1557	14	1559	14	1569	13	98
RO-12	202	200	33807	2.4	10.2337	0.8	3.7256	1.3	0.2766	1.0	0.76	1574	14	1577	10	1580	15	1565	14	98
RO-12	203	312	150280	4.5	10.4669	0.7	3.4622	1.4	0.2629	1.3	0.89	1505	17	1519	11	1538	12	1533	12	99
RO-12	204	156	284525	1.9	11.6144	0.7	2.7816	1.5	0.2344	1.4	0.90	1358	17	1351	11	1340	13	1845	13	99
RO-12	205	414	99413	4.0	10.4801	0.8	3.4610	1.2	0.2632	1.0	0.80	1506	13	1518	10	1536	14	1537	11	99
RO-12	206	120	41100	1.2	7.8644	0.7	6.7659	1.5	0.3861	1.4	0.90	2105	24	2081	13	2058	12	2018	13	95
RO-12	207	261	45875	1.8	9.2318	0.6	4.6806	1.1	0.3135	0.9	0.82	1758	14	1764	9	1771	12	1559	14	100
RO-12	208	271	183369	2.5	7.8564	0.7	6.4933	1.5	0.3702	1.3	0.89	2030	23	2045	13	2060	12	1545	14	98
RO-12	209	1242	35627	2.5	9.9663	0.9	3.6441	1.6	0.2635	1.4	0.83	1508	18	1559	13	1630	17	1630	17	93
RO-12	210	86	15104	1.5	9.1628	0.7	4.8585	1.5	0.3230	1.3	0.89	1804	21	1795	13	1784	13	1811	11	100
RO-12	211	314	67194	3.1	10.3416	0.9	3.5359	1.3	0.2653	1.0	0.74	1517	13	1535	11	1561	17	1510	13	102
RO-12	212	92	54610	1.3	10.8291	1.1	3.0994	1.5	0.2435	1.1	0.73	1405	14	1433	12	1474	20	1166	13	101
RO-12	213	234	46217	3.3	10.4626	0.8	3.5557	1.7	0.2699	1.5	0.88	1540	21	1540	14	1539	16	1586	14	98
RO-12	214	298	58919	2.7	10.3879	0.9	3.5120	1.7	0.2647	1.4	0.86	1514	19	1530	13	1552	16	1527	17	101
RO-12	215	122	70855	2.9	10.2535	0.7	3.7610	1.2	0.2798	1.0	0.81	1590	14	1584	10	1577	13	1782	15	103
RO-12	216	501	571979	0.6	5.1738	0.9	13.7771	1.6	0.5172	1.3	0.84	2687	29	2735	15	2770	14	1493	15	101
RO-12	217	133	38083	1.9	10.9636	0.9	3.1304	1.5	0.2490	1.2	0.80	1433	15	1440	12	1450	17	1553	15	99
RO-12	218	448	408293	3.4	10.3598	0.9	3.5962	1.4	0.2703	1.1	0.77	1542	15	1549	11	1557	16	1557	16	99
RO-12	219	185	78630	2.2	3.6457	0.9	25.5854	1.4	0.6768	1.0	0.75	3332	26	3331	13	3330	14	1582	13	99
RO-12	220	174	76075	2.3	10.4983	0.9	3.4650	1.6	0.2639	1.3	0.82	1510	17	1519	12	1532	17	1546	11	96
RO-12	221	456	262153	3.0	10.2675	0.8	3.5652	1.6	0.2656	1.4	0.85	1518	19	1542	13	1574	16	1465	15	98
RO-12	222	373	15934	2.0	8.8365	0.9	4.4565	1.4	0.2857	1.1	0.79	1620	16	1723	12	1850	16	1850	16	88
RO-12	223	154	80111	2.1	8.7693	0.7	5.2905	1.3	0.3366	1.1	0.84	1870	17	1867	11	1864	12	1729	23	97
RO-12	224	203	79155	1.1	8.8181	1.0	5.1262	1.5	0.3280	1.1	0.72	1829	17	1840	12	1854	18	1550	16	97
RO-12	225	302	112721	2.6	10.2231	0.7	3.6875	1.5	0.2735	1.3	0.87	1559	18	1569	12	1582	13	1545	14	101
RO-12	226	201	79631	2.5	8.0697	0.7	6.1735	1.5	0.3615	1.3	0.87	1989	22	2001	13	2013	13	1553	13	98
RO-12	227	299	94416	3.8	10.4469	0.6	3.6429	1.1	0.2761	0.9	0.83	1572	13	1559	9	1541	11	1983	15	100
RO-12	228	316	84761	2.8	10.5098	0.8	3.5390	1.4	0.2699	1.1	0.82	1540	15	1536	11	1530	15	1771	12	99
RO-12	229	217	68748	3.2	10.3884	0.7	3.5327	1.1	0.2663	0.9	0.77	1522	12	1535	9	1552	13	1537	13	101
RO-12	230	137	143031	1.2	8.8191	0.7	5.3058	1.3	0.3395	1.1	0.87	1884	19	1870	11	1854	12	1957	13	97
RO-12	231	192	69951	1.5	9.1470	0.8	4.6651	1.3	0.3096	1.0	0.80	1739	15	1761	11	1787	14	1514	15	102
RO-12	232	314	107962	1.3	8.6069	0.7	5.4715	1.2	0.3417	1.0	0.84	1895	17	1896	10	1898	12	1574	16	96
RO-12	233	527	436350	1.7	10.5300	0.7	3.2420	1.4	0.2477	1.1	0.84	1427	15	1467	11	1527	14	1527	14	93
RO-12	234	454	509129	3.2	10.4811	0.7	3.4583	1.3	0.2630	1.1	0.85	1505	14	1518	10	1535	12	1537	11	96
RO-12	235	326	78344	4.6	10.5034	0.6	3.5266	1.2	0.2688	1.0	0.85	1535	14	1533	10	1531	12	1594	15	100
RO-12	236	329	64311	3.5	10.4858	0.6	3.5126	1.2	0.2672	1.0	0.85	1527	14	1530	10	1535	12	1560	15	99
RO-12	237	126	65561	2.3	10.3162	0.7	3.6669	1.3	0.2745	1.0	0.82	1563	15	1564	10	1565	14	1575	17	95
RO-12	238	218	96147	4.3	12.1216	0.7	2.3855	1.3	0.2098	1.1	0.85	1228	12	1238	9	1257	13	1532	13	100
RO-12	239	168	52522	3.5	10.6224	0.7	3.4839	1.3	0.2685	1.1	0.84	1533	15	1524	10	1510	13	1876	15	102
RO-12	240	533	8029	3.1	8.8730	2.1	4.1465	2.5	0.2670	1.5	0.57	1525	20	1664	21	1843	38	1843	38	83
RO-12	241	159	70435	3.3	10.5282	0.7	3.4681	1.0	0.2649	0.7	0.72	1515	9	1520	8	1527	13	1559	13	100
RO-12	242	122	36302	4.1	10.5432	0.7	3.4723	1.2	0.2656	1.0	0.84	1519	14	1521	10	1524	13	1564	15	96
RO-12	243	54	18164	1.2	9.3449	1.0	4.5914	1.6	0.3113	1.3	0.77	1747	19	1748	14	1748	19	1577	13	101
RO-12	244	290	509028	3.4	10.3841	0.7	3.5519	1.0	0.2676	0.7	0.73	1529	10	1539	8	1553	13	1544	15	101
RO-12	245	202	97743	3.4	10.4708	0.6	3.5288	1.1	0.2681	0.9	0.84	1531	13	1534	9	1537	11	1563	17	96
RO-12	246	149	429736	2.4	10.2118	0.8	3.7514	1.4	0.2780	1.1	0.80	1581	15	1582	11	1584	15	1571	20	97
RO-12	247	377	6738	5.2	9.2014	1.2	3.7755	1.7	0.2521	1.3	0.75	1449	17	1588	14	1777	21	1777	21	82
RO-12	248	59	53601	1.9	13.6204	1.0	1.7440	1.6	0.1724	1.3	0.78	1025	12	1025	10	1025	21	1580	11	97
RO-12	249	291	79184	2.4	10.4250	0.7	3.5173	1.2	0.2661	1.0	0.81	1521	13	1531	10	1545	14	1543	11	102
RO-12	250	1011	254262	3.5	10.2509	0.8	3.6221	1.5	0.2694	1.3	0.83	1538	17	1554	12	1577	16	1526	12	101
RO-12	251	246	76367	2.9	10.4319	0.7	3.4935	1.3	0.2644	1.2	0.86	1512	16	1526	11	1544	13	1535	17	97
RO-12	252	382	456113	1.3	9.0833	0.7	4.7523	1.2	0.3132	1.0	0.80	1756	15	1777	10	1800	13	1528	10	104
RO-12	253	293	67845	3.3	10.6019	0.8	3.5294	1.4	0.2715	1.1	0.81	1548	15	1534	11	1514	15	2058	12	102
RO-12	254	150	116898	4.9	10.3827	1.0	3.5118	1.6	0.2646	1.2	0.78	1513	17	1530	13	1553	19	1523	14	101
RO-12	255	175	119081	1.2	4.4934	0.5	18.0856	1.2	0.5896	1.0	0.88	2988	24	2994	11	2999	9	1565	15	97
RO-12	256	227	43607	2.1	10.4744	0.6	3.3725	1.1	0.2563	1.0	0.86	1471	13	1498	9	1537	11	1384	12	95
RO-12	257	188	116552	4.1	10.4646	1.0	3.4860	1.6	0.2647	1.2	0.78	1514	17	1524	13	1538	19	1543	12	98
RO-12	258	256	82843	5.1	10.4655	0.6	3.5262	1.1	0.2678	0.9	0.82	1529	12	1533	9	1538	12	1560	14	97
RO-12	259	283	97269	1.8	10.5725	0.8	3.4464	1.3	0.2644	1.0	0.79	1512	13	1515	10	1519	15	1561	13	99
RO-12	260	117	287069	1.1	7.2989	0.8	7.5536	1.3	0.4000	1.1	0.81	2169	20	2179	12	2189	14	1557	16	99
RO-12	261	505	275531	1.6	9.1965	0.6	4.7895	1.1	0.3196	0.9	0.83	1788	14	1783	9	1778	11	1768	12	101
RO-12	262	402	183973	4.2	10.5032	0.8	3.5154	1.1	0.2679	0.8	0.73	1530	11	1531	9	1531	15	1576	16	95
RO-12	263	212	90763	3.8	10.3828	0.8	3.5722	1.3	0.2691	1.0	0.79	1536	14	1543	10	1553	15	1555	12	98
RO-12	264	124	93207	2.1	10.5375	0.7	3.5454	1.1	0.2711	0.9	0.77	1546	12	1537	9	1525	14	1849	11	97
RO-12	265	268	62357	1.4	9.2889	0.7	4.5693	1.3	0.3080	1.1	0.85	1731	17	1744	11	1759	13	1543	17	100
RO-12	266	170	329367	4.4	12.8687	0.8	1.9934	1.4	0.1861	1.1	0.81	1100	11	1113	9	1139	16	1465	19	100

RO-12	267	368	62444	3.2	10.4541	0.5	3.6051	1.0	0.2735	0.8	0.84	1558	12	1551	8	1540	10	1813	13	101
RO-12	268	227	38493	3.1	10.5074	0.6	3.5581	1.2	0.2713	1.0	0.85	1547	14	1540	9	1531	12	1800	13	98
RO-12	269	451	141847	3.0	11.3505	0.6	2.7390	1.2	0.2256	1.1	0.86	1311	13	1339	9	1384	12	998	17	101
RO-12	270	243	24193	1.0	9.1622	0.6	4.6336	1.1	0.3080	1.0	0.85	1731	15	1755	10	1784	11	1491	10	100
RO-12	271	158	70565	0.6	9.0214	0.7	5.0256	1.3	0.3290	1.0	0.82	1833	16	1824	11	1813	13	1811	17	102
RO-12	272	242	91256	1.8	8.7965	0.6	5.3612	1.3	0.3422	1.1	0.88	1897	18	1879	11	1858	11	1991	17	100
RO-12	273	451	613497	3.1	10.4557	0.6	3.4765	1.1	0.2637	0.9	0.84	1509	12	1522	9	1540	11	1536	13	100
RO-12	274	365	56899	1.1	7.5266	0.5	6.9731	1.2	0.3808	1.1	0.90	2080	19	2108	10	2135	9	1519	15	100
RO-12	275	322	791188	3.5	10.4105	0.6	3.6071	1.1	0.2725	0.9	0.83	1553	13	1551	9	1548	12	1690	14	98
RO-12	276	217	58085	2.4	10.7093	0.7	3.2857	1.1	0.2553	0.9	0.81	1466	12	1478	9	1495	13	1537	11	100
RO-12	277	190	28145	1.2	10.1651	0.6	3.3497	1.3	0.2471	1.1	0.88	1423	14	1493	10	1593	11	1593	11	89
RO-12	278	154	50040	2.0	9.1744	0.7	4.6388	1.1	0.3088	0.8	0.76	1735	13	1756	9	1782	13	1514	15	98
RO-12	279	130	136016	2.8	11.4964	0.8	2.8607	1.2	0.2386	0.9	0.74	1380	11	1372	9	1359	16	1858	11	102
RO-12	280	63	7609	2.5	11.3470	2.2	2.5049	2.4	0.2062	0.9	0.37	1209	10	1273	17	1384	43	1384	43	87
RO-12	281	87	15304	2.1	11.0360	0.8	3.2302	1.3	0.2587	1.0	0.77	1483	13	1464	10	1438	16	2647	9	98
RO-12	282	50	83645	1.4	8.1645	0.8	6.1697	1.3	0.3655	1.0	0.80	2008	17	2000	11	1992	14	1779	15	99
RO-12	283	224	133332	1.8	9.1343	0.5	4.7384	1.0	0.3140	0.9	0.89	1761	14	1774	9	1790	9	1542	12	100
RO-12	284	385	81702	4.8	10.4863	0.7	3.5247	1.1	0.2682	0.9	0.80	1532	12	1533	9	1534	13	1572	11	98
RO-12	285	438	60896	3.8	10.6168	0.6	3.4864	1.0	0.2686	0.9	0.83	1534	12	1524	8	1511	11	1854	18	99
RO-12	286	627	124096	3.7	10.3976	0.7	3.5056	1.5	0.2645	1.4	0.90	1513	18	1528	12	1550	13	1528	15	95
RO-12	287	130	61305	1.3	9.1733	0.8	4.9587	1.3	0.3300	1.0	0.77	1839	16	1812	11	1782	15	2648	10	101
RO-12	288	393	105475	3.9	10.4769	0.7	3.5226	1.2	0.2678	0.9	0.80	1530	13	1532	9	1536	13	1563	13	98
RO-12	289	145	23628	0.9	11.0968	0.9	3.0679	1.5	0.2470	1.2	0.79	1423	15	1425	11	1427	17	1567	13	98
RO-12	290	144	54080	2.0	10.3680	0.9	3.6933	1.6	0.2778	1.3	0.80	1580	18	1570	12	1556	17	1898	12	100
RO-12	291	236	32362	2.6	10.1441	1.1	3.7534	1.5	0.2763	1.1	0.70	1573	15	1583	12	1597	20	1544	13	98
RO-12	292	122	35487	5.1	10.4962	0.8	3.5058	1.2	0.2670	0.9	0.75	1526	12	1529	9	1533	15	1561	17	97
RO-12	293	257	239178	2.5	10.3558	0.8	3.6401	1.3	0.2735	1.0	0.76	1559	14	1558	10	1558	16	1580	15	100
RO-12	294	947	74435	2.0	10.2805	0.6	3.6032	1.4	0.2688	1.3	0.91	1535	18	1550	11	1572	11	1531	17	103
RO-12	295	203	70550	4.6	10.4399	0.9	3.5609	1.4	0.2697	1.1	0.79	1539	16	1541	11	1543	17	1570	14	100
RO-12	296	159	39894	0.8	9.1008	0.9	4.8058	1.3	0.3173	0.9	0.73	1777	14	1786	11	1797	16	1554	13	102
RO-12	297	397	133852	3.7	10.4703	0.6	3.4950	1.1	0.2655	0.9	0.82	1518	12	1526	8	1537	11	1552	14	98
RO-12	298	506	1757460	2.8	10.3939	0.6	3.6260	1.1	0.2735	1.0	0.85	1558	13	1555	9	1551	11	1758	15	102
RO-12	299	226	143710	5.0	10.4491	0.6	3.5132	1.3	0.2664	1.1	0.87	1522	15	1530	10	1541	12	1552	16	98
RO-12	300	163	101255	2.0	10.3191	0.7	3.6008	1.1	0.2696	0.8	0.73	1539	11	1550	9	1565	14	1541	11	102
RO-12	301	367	65466	2.8	10.3162	0.8	3.5679	1.4	0.2671	1.1	0.81	1526	15	1542	11	1565	15	1524	13	100

MT-13	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
MT-13	1	119	98183	1.1	11.7103	0.8	2.6924	1.3	0.2288	1.0	0.79	1328	12	1326	10	1324	15	1324	15	100
MT-13	2	616	1842171	3.7	11.2055	0.6	2.8796	1.2	0.2341	1.0	0.86	1356	12	1377	9	1409	11	1409	11	96
MT-13	3	513	224385	1.9	11.1786	0.5	3.0475	1.0	0.2472	0.8	0.84	1424	11	1420	8	1413	10	1413	10	101
MT-13	4	797	77067	1.9	10.9572	0.4	2.8632	1.1	0.2276	1.0	0.93	1322	12	1372	8	1451	8	1451	8	91
MT-13	5	764	2244420	1.9	9.2411	0.5	4.7743	1.1	0.3201	1.0	0.89	1790	16	1780	10	1769	10	1769	10	101
MT-13	6	445	227742	2.8	11.3032	0.6	2.7073	1.2	0.2220	1.0	0.84	1293	12	1330	9	1392	12	1392	12	93
MT-13	7	599	66610	2.9	11.1444	0.5	2.7968	0.9	0.2262	0.8	0.86	1314	10	1355	7	1419	9	1419	9	93
MT-13	8	243	173277	2.4	10.6840	0.7	3.3077	1.0	0.2564	0.8	0.74	1472	10	1483	8	1499	13	1499	13	98
MT-13	9	230	157974	1.7	11.5854	0.6	2.7263	1.2	0.2292	1.1	0.89	1330	13	1336	9	1344	11	1344	11	99
MT-13	10	284	466531	3.1	10.6508	0.8	3.2770	1.1	0.2533	0.8	0.69	1455	10	1476	9	1505	15	1505	15	97
MT-13	11	171	203386	1.5	11.0447	0.7	3.2026	1.1	0.2567	0.8	0.73	1473	10	1458	8	1436	14	1436	14	103
MT-13	12	283	205577	4.2	11.0828	0.6	3.1696	1.0	0.2549	0.8	0.82	1464	11	1450	8	1430	11	1430	11	102
MT-13	13	313	431888	1.7	11.6214	0.6	2.7737	1.0	0.2339	0.8	0.83	1355	10	1348	8	1338	11	1338	11	101
MT-13	14	192	219201	1.0	11.4960	0.7	2.8372	1.1	0.2367	0.8	0.76	1369	10	1365	8	1359	13	1359	13	101
MT-13	15	272	234419	2.5	11.2072	0.8	2.9651	1.3	0.2411	1.0	0.77	1392	13	1399	10	1408	16	1408	16	99
MT-13	16	176	212283	2.8	11.2404	0.6	2.9935	0.9	0.2441	0.7	0.75	1408	9	1406	7	1403	12	1403	12	100
MT-13	17	45	16030	2.0	11.3797	1.1	2.7912	1.5	0.2305	1.0	0.68	1337	12	1353	11	1379	22	1379	22	97
MT-13	18	400	191569	1.5	11.4157	0.5	2.7954	1.0	0.2315	0.9	0.88	1343	11	1354	8	1373	9	1373	9	98
MT-13	19	91	112122	2.8	11.3678	0.8	2.9896	1.3	0.2466	1.0	0.80	1421	13	1405	10	1381	15	1381	15	103
MT-13	20	232	225868	4.1	11.2878	0.5	3.0409	0.9	0.2491	0.7	0.78	1434	9	1418	7	1394	10	1394	10	103
MT-13	21	415	195466	17.1	11.1658	0.7	3.1011	1.3	0.2512	1.0	0.83	1445	13	1433	10	1415	13	1415	13	102
MT-13	22	639	3793225	1.0	11.5153	0.6	2.7752	1.4	0.2319	1.2	0.89	1344	15	1349	10	1356	12	1356	12	99
MT-13	23	771	989386	2.8	11.4310	0.5	2.8101	1.3	0.2331	1.1	0.90	1351	14	1358	9	1370	11	1370	11	99
MT-13	24	1103	731430	4.6	10.4267	0.6	3.5969	1.1	0.2721	0.9	0.85	1552	12	1549	8	1545	11	1545	11	100
MT-13	25	325	730318	3.2	11.1234	0.7	3.0322	1.0	0.2447	0.8	0.77	1411	10	1416	8	1423	12	1423	12	99
MT-13	26	434	173735	4.6	11.3158	0.7	2.9273	1.1	0.2403	0.8	0.75	1389	10	1389	8	1390	14	1390	14	100
MT-13	27	752	224529	3.2	11.4154	0.6	2.7627	1.2	0.2288	1.1	0.88	1328	13	1346	9	1373	11	1373	11	97
MT-13	28	262	1086943	2.3	10.6557	0.5	3.4155	0.9	0.2641	0.8	0.86	1511	11	1508	7	1504	9	1504	9	100
MT-13	29	218	113268	3.3	11.2559	0.6	3.0094	1.2	0.2458	1.0	0.87	1417	13	1410	9	1400	11	1400	11	101

MT-13	30	985	299224	3.5	11.4333	0.5	2.7189	1.3	0.2256	1.2	0.92	1311	15	1334	10	1370	10	1370	10	96
MT-13	31	384	105360	1.6	18.2638	0.7	0.5119	1.3	0.0678	1.1	0.84	423	5	420	5	401	16	423	5	105
MT-13	32	233	199497	5.9	11.1161	0.6	3.0775	1.0	0.2482	0.8	0.81	1429	11	1427	8	1424	11	1424	11	100
MT-13	33	293	242023	6.1	11.0679	0.7	3.1179	1.2	0.2504	0.9	0.78	1440	12	1437	9	1432	14	1432	14	101
MT-13	34	683	227447	3.3	11.4477	0.5	2.7872	1.2	0.2315	1.1	0.89	1342	13	1352	9	1367	10	1367	10	98
MT-13	35	641	692706	3.4	11.4747	0.6	2.7681	1.4	0.2305	1.2	0.90	1337	15	1347	10	1363	11	1363	11	98
MT-13	36	492	294774	3.3	11.4745	0.6	2.7345	1.5	0.2277	1.4	0.93	1322	17	1338	11	1363	11	1363	11	97
MT-13	37	560	315972	1.6	11.2850	0.5	2.9230	1.0	0.2393	0.8	0.84	1383	10	1388	7	1395	10	1395	10	99
MT-13	38	407	250343	2.1	11.5409	0.5	2.7304	1.1	0.2286	0.9	0.88	1327	11	1337	8	1352	10	1352	10	98
MT-13	39	377	1720178	3.8	11.5908	0.6	2.7751	1.0	0.2334	0.8	0.80	1352	10	1349	8	1344	12	1344	12	101
MT-13	40	284	531669	2.6	11.2387	0.5	2.9462	1.1	0.2403	1.0	0.88	1388	12	1394	8	1403	10	1403	10	99
MT-13	41	236	135984	1.6	11.2472	0.6	3.0572	0.9	0.2495	0.7	0.76	1436	9	1422	7	1401	12	1401	12	102
MT-13	42	500	525328	3.7	10.7989	0.6	3.1728	1.1	0.2486	0.9	0.82	1431	12	1451	9	1479	12	1479	12	97
MT-13	43	467	3147080	3.4	11.5770	0.7	2.7916	1.2	0.2345	0.9	0.80	1358	11	1353	9	1346	13	1346	13	101
MT-13	44	86	49617	1.0	11.6490	0.6	2.8628	1.0	0.2420	0.8	0.80	1397	10	1372	7	1334	11	1334	11	105
MT-13	45	403	361213	1.6	11.3277	0.6	2.8361	1.2	0.2331	1.1	0.88	1351	13	1365	9	1388	11	1388	11	97
MT-13	46	349	163926	2.9	11.1849	0.7	2.9648	1.6	0.2406	1.5	0.90	1390	18	1399	12	1412	13	1412	13	98
MT-13	47	1549	33223	12.1	10.3692	0.8	2.8917	1.7	0.2176	1.5	0.89	1269	17	1380	13	1556	14	1556	14	82
MT-13	48	1060	201839	11.0	11.2827	0.6	2.6881	1.3	0.2201	1.2	0.90	1282	14	1325	10	1395	11	1395	11	92
MT-13	49	230	212219	2.5	11.2822	0.7	2.9912	1.1	0.2449	0.8	0.78	1412	11	1405	8	1395	13	1395	13	101
MT-13	50	352	417485	8.5	11.6296	0.6	2.7550	1.2	0.2325	1.0	0.86	1347	12	1343	9	1337	11	1337	11	101
MT-13	51	272	534117	5.2	11.0866	0.7	3.1119	1.1	0.2503	0.8	0.77	1440	11	1436	8	1429	13	1429	13	101
MT-13	52	752	587713	4.7	11.2647	0.6	2.9264	1.3	0.2392	1.2	0.90	1382	14	1389	10	1398	11	1398	11	99
MT-13	53	419	188453	2.3	9.2814	0.6	4.6501	1.1	0.3132	0.9	0.86	1756	14	1758	9	1761	10	1761	10	100
MT-13	54	64	54253	1.8	11.4130	0.8	2.8637	1.1	0.2371	0.7	0.64	1372	9	1372	8	1373	16	1373	16	100
MT-13	55	428	7203575	3.3	11.5712	0.4	2.8065	0.9	0.2356	0.8	0.88	1364	10	1357	7	1347	8	1347	8	101
MT-13	56	332	103706	2.4	11.6876	0.8	2.7633	1.1	0.2343	0.8	0.71	1357	9	1346	8	1327	15	1327	15	102
MT-13	57	384	1140585	2.0	11.6082	0.7	2.7980	1.1	0.2357	0.8	0.76	1364	10	1355	8	1341	14	1341	14	102
MT-13	58	222	180704	3.4	11.2784	0.6	3.0328	1.1	0.2482	0.9	0.80	1429	11	1416	8	1396	12	1396	12	102
MT-13	59	113	100010	1.5	11.3757	0.6	2.8642	0.9	0.2364	0.7	0.78	1368	9	1373	7	1380	11	1380	11	99
MT-13	60	287	852884	3.3	10.9958	0.7	3.2617	2.1	0.2602	1.9	0.94	1491	26	1472	16	1445	13	1445	13	103
MT-13	61	195	696381	2.0	10.6967	0.6	3.2921	0.9	0.2555	0.6	0.69	1467	8	1479	7	1497	12	1497	12	98
MT-13	62	340	273530	1.9	11.5502	0.6	2.7725	1.0	0.2323	0.8	0.77	1347	9	1348	8	1350	12	1350	12	100
MT-13	63	262	5548217	1.5	11.6475	0.6	2.7277	0.9	0.2305	0.6	0.72	1337	8	1336	6	1334	12	1334	12	100
MT-13	64	367	204800	6.7	11.2162	0.5	2.9869	0.8	0.2431	0.6	0.76	1403	7	1404	6	1407	10	1407	10	100
MT-13	65	237	5548442	5.2	11.1994	0.7	2.9330	1.0	0.2383	0.8	0.76	1378	9	1390	8	1410	13	1410	13	98
MT-13	66	166	205127	1.6	11.6964	0.6	2.7213	1.1	0.2309	0.9	0.83	1339	11	1334	8	1326	12	1326	12	101
MT-13	67	246	763215	2.1	11.3289	0.6	2.8074	1.2	0.2308	1.0	0.86	1339	12	1358	9	1388	11	1388	11	96
MT-13	68	118	1227451	1.5	9.9824	0.7	4.0098	1.3	0.2904	1.0	0.82	1644	15	1636	10	1627	14	1627	14	101
MT-13	69	512	152564	2.2	11.6212	0.5	2.8120	1.0	0.2371	0.9	0.90	1372	11	1359	8	1338	9	1338	9	102
MT-13	70	407	1229925	2.3	11.4393	0.5	2.9114	1.0	0.2417	0.9	0.87	1395	11	1385	8	1369	10	1369	10	102
MT-13	71	411	1247015	2.6	10.9474	0.7	3.1663	1.1	0.2515	0.9	0.81	1446	12	1449	9	1453	13	1453	13	100
MT-13	72	241	224390	2.7	11.0112	0.7	3.1707	1.1	0.2533	0.9	0.78	1456	11	1450	9	1442	13	1442	13	101
MT-13	73	474	217200	1.4	11.2545	0.5	2.9284	1.0	0.2391	0.9	0.85	1382	11	1389	8	1400	10	1400	10	99
MT-13	74	160	155209	1.3	9.3016	0.5	4.7453	1.2	0.3203	1.1	0.91	1791	17	1775	10	1757	9	1757	9	102
MT-13	75	78	255539	1.7	11.0183	0.8	3.1595	1.2	0.2526	0.9	0.76	1452	12	1447	10	1441	15	1441	15	101
MT-13	76	337	320337	2.4	10.3817	0.6	3.7199	1.0	0.2802	0.8	0.79	1592	11	1576	8	1553	11	1553	11	103
MT-13	77	22	30856	5.7	11.0119	1.2	3.0774	1.8	0.2459	1.2	0.71	1417	16	1427	14	1442	24	1442	24	98
MT-13	78	177	75877	1.2	11.6332	0.6	2.7653	1.0	0.2334	0.8	0.78	1352	9	1346	7	1336	12	1336	12	101
MT-13	79	378	228424	3.6	11.4363	0.5	2.8975	1.1	0.2404	1.0	0.90	1389	12	1381	8	1369	9	1369	9	101
MT-13	80	131	238038	1.9	11.4284	0.8	2.6362	1.3	0.2186	1.0	0.80	1274	12	1311	10	1371	15	1371	15	93
MT-13	81	113	71829	3.1	11.2358	0.9	2.9602	1.4	0.2413	1.1	0.76	1394	13	1397	11	1403	17	1403	17	99
MT-13	82	153	285414	1.5	11.7170	0.6	2.7771	1.0	0.2361	0.8	0.79	1366	10	1349	8	1323	12	1323	12	103
MT-13	83	637	207436	2.8	11.5427	0.6	2.7518	1.1	0.2305	0.9	0.85	1337	11	1343	8	1352	11	1352	11	99
MT-13	84	127	140805	1.2	11.6568	0.5	2.6516	1.0	0.2243	0.9	0.85	1304	11	1315	8	1333	10	1333	10	98
MT-13	85	131	4137686	4.4	11.2692	0.6	3.0700	1.1	0.2510	0.9	0.82	1444	12	1425	8	1398	12	1398	12	103
MT-13	86	623	694091	2.6	11.2596	0.5	2.9237	1.2	0.2389	1.1	0.90	1381	13	1388	9	1399	10	1399	10	99
MT-13	87	576	212323	3.5	11.4397	0.4	2.6795	1.1	0.2224	1.0	0.92	1295	12	1323	8	1369	8	1369	8	95
MT-13	88	868	6214922	2.6	11.3504	0.5	2.8836	1.1	0.2375	1.0	0.91	1374	12	1378	8	1384	9	1384	9	99
MT-13	89	33	125076	1.2	11.4126	1.0	2.6921	1.4	0.2229	1.0	0.71	1297	12	1326	10	1373	19	1373	19	94
MT-13	90	96	90555	2.7	11.3238	0.8	2.9209	1.1	0.2400	0.7	0.67	1387	9	1387	8	1388	16	1388	16	100
MT-13	91	281	1601536	1.9	11.5512	0.6	2.6703	1.1	0.2238	1.0	0.86	1302	11	1320	8	1350	11	1350	11	96
MT-13	92	155	46960	1.8	11.2391	0.7	2.9617	1.0	0.2415	0.8	0.76	1395	10	1398	8	1403	13	1403	13	99
MT-13	93	708	363347	2.4	11.4749	0.5	2.7685	1.1	0.2305	0.9	0.86	1337	11	1347	8	1363	10	1363	10	98
MT-13	94	86	55883	3.1	10.7463	0.7	3.2908	1.2	0.2566	0.9	0.80	1472	12	1479	9	1488	14	1488	14	99
MT-13	95	330	302877	1.8	10.9385	0.6	3.1188	1.0	0.2475	0.8	0.80	1426	10	1437	7	1455	11	1455	11	98
MT-13	96	120	95133	3.1	11.3255	0.7	2.9463	1.1	0.2421	0.8	0.74	1398	10	1394	8	1388	14	1388	14	101

MT-13	97	109	70822	1.7	11.3581	0.8	2.9825	1.1	0.2458	0.8	0.70	1417	10	1403	8	1383	15	1383	15	102
MT-13	98	181	139130	1.0	11.7325	0.5	2.7474	0.9	0.2339	0.8	0.85	1355	10	1341	7	1320	10	1320	10	103
MT-13	99	155	339950	1.5	10.5177	0.7	3.4610	1.2	0.2641	1.0	0.82	1511	14	1518	10	1529	13	1529	13	99
MT-13	100	631	177119	8.2	11.0628	0.4	2.9616	1.1	0.2377	1.1	0.94	1375	13	1398	9	1433	7	1433	7	96
MT-13	101	1368	84236	2.6	11.0954	0.5	2.8019	1.1	0.2256	0.9	0.86	1311	11	1356	8	1427	10	1427	10	92
MT-13	102	397	252579	2.8	10.9034	0.6	3.1465	1.1	0.2489	0.9	0.84	1433	12	1444	8	1461	11	1461	11	98
MT-13	103	126	1345611	1.4	11.7323	0.6	2.6872	1.1	0.2288	0.8	0.80	1328	10	1325	8	1320	12	1320	12	101
MT-13	104	257	155302	5.3	11.1779	0.5	3.0414	1.0	0.2467	0.8	0.83	1421	10	1418	7	1413	10	1413	10	101
MT-13	105	255	198059	2.0	11.2248	0.5	2.9971	1.1	0.2441	1.0	0.92	1408	13	1407	9	1405	9	1405	9	100
MT-13	106	274	284363	1.5	11.2157	0.5	3.0365	1.2	0.2471	1.0	0.90	1424	13	1417	9	1407	10	1407	10	101
MT-13	107	337	524046	8.3	10.7877	0.6	3.1947	1.0	0.2501	0.8	0.80	1439	10	1456	8	1481	11	1481	11	97
MT-13	108	543	279053	3.6	11.5537	0.7	2.7276	1.4	0.2287	1.2	0.86	1327	14	1336	10	1350	13	1350	13	98
MT-13	109	560	23811966	2.7	11.4566	0.6	2.7641	1.2	0.2298	1.0	0.87	1333	13	1346	9	1366	12	1366	12	98
MT-13	110	80	74696	1.8	11.2302	0.9	3.0093	1.3	0.2452	0.9	0.71	1414	11	1410	10	1404	17	1404	17	101
MT-13	111	351	201168	2.6	11.1196	0.7	3.0335	1.1	0.2448	0.8	0.75	1411	10	1416	8	1423	13	1423	13	99
MT-13	112	369	343824	3.4	11.5198	0.6	2.7580	1.1	0.2305	0.9	0.82	1337	11	1344	8	1355	12	1355	12	99
MT-13	113	197	199275	3.7	10.7651	0.7	3.3326	1.2	0.2603	1.0	0.80	1491	13	1489	10	1485	14	1485	14	100
MT-13	114	183	1249463	3.3	9.1967	0.6	4.7531	1.2	0.3172	1.0	0.85	1776	16	1777	10	1778	12	1778	12	100
MT-13	115	1642	48889	3.4	10.3357	0.6	3.1040	1.2	0.2328	1.0	0.86	1349	12	1434	9	1562	11	1562	11	86
MT-13	116	246	651851	6.6	11.1648	0.6	2.9923	1.0	0.2424	0.8	0.80	1399	10	1406	8	1415	12	1415	12	99
MT-13	117	624	337328	8.4	11.4547	0.6	2.7476	1.2	0.2284	1.0	0.88	1326	12	1341	9	1366	11	1366	11	97
MT-13	118	181	191819	1.4	11.4448	0.6	2.8257	1.3	0.2346	1.1	0.88	1359	14	1362	10	1368	12	1368	12	99
MT-13	119	164	241392	1.0	11.6364	0.8	2.7392	1.2	0.2313	0.9	0.77	1341	11	1339	9	1336	15	1336	15	100
MT-13	120	273	154604	2.3	9.0720	0.7	4.8092	1.1	0.3166	0.9	0.78	1773	14	1787	10	1802	13	1802	13	98
MT-13	121	485	2927612	2.4	11.6347	0.5	2.7863	1.1	0.2352	1.0	0.88	1362	12	1352	9	1336	10	1336	10	102
MT-13	122	245	255474	5.0	10.5576	0.6	3.4927	1.0	0.2676	0.8	0.79	1528	11	1526	8	1522	12	1522	12	100
MT-13	123	277	372502	0.9	11.5161	0.5	2.8315	1.1	0.2366	0.9	0.87	1369	11	1364	8	1356	10	1356	10	101
MT-13	124	429	1861267	3.4	11.5773	0.7	2.7795	1.1	0.2335	0.9	0.78	1353	11	1350	8	1346	14	1346	14	101
MT-13	125	182	2513918	3.4	11.5140	0.7	2.8848	1.2	0.2410	1.0	0.83	1392	13	1378	9	1356	13	1356	13	103
MT-13	126	370	385998	5.7	11.1183	0.6	3.0175	1.0	0.2434	0.8	0.82	1405	11	1412	8	1423	11	1423	11	99
MT-13	127	721	191775	3.9	11.0589	0.7	2.9207	1.6	0.2344	1.4	0.91	1357	18	1387	12	1434	13	1434	13	95
MT-13	128	536	416127	3.0	11.6822	0.7	2.7237	1.2	0.2309	1.0	0.84	1339	13	1335	9	1328	13	1328	13	101
MT-13	129	905	229144	9.2	11.0417	0.6	3.0328	1.3	0.2430	1.2	0.89	1402	15	1416	10	1437	12	1437	12	98
MT-13	130	198	530550	2.0	11.3433	0.8	2.6758	1.7	0.2202	1.5	0.89	1283	17	1322	12	1385	14	1385	14	93
MT-13	131	46	80550	4.2	11.1974	1.0	2.9951	1.3	0.2433	0.9	0.67	1404	11	1406	10	1410	19	1410	19	100
MT-13	132	213	156550	1.1	11.6384	0.7	2.7123	1.1	0.2290	0.9	0.80	1330	11	1332	8	1336	13	1336	13	100
MT-13	133	112	382764	0.7	11.7097	0.7	2.6825	1.2	0.2279	1.0	0.83	1324	12	1324	9	1324	13	1324	13	100
MT-13	134	149	3382421	1.5	11.3683	0.6	2.8796	1.1	0.2375	0.9	0.84	1374	11	1377	8	1381	11	1381	11	99
MT-13	135	354	230625	7.3	11.2769	0.6	2.8528	1.1	0.2334	0.9	0.83	1352	11	1370	8	1396	12	1396	12	97
MT-13	136	75	104318	1.9	11.2796	0.6	2.9375	1.1	0.2404	0.9	0.82	1389	12	1392	9	1396	12	1396	12	99
MT-13	137	61	893886	1.2	11.8264	0.6	2.7171	1.0	0.2332	0.8	0.79	1351	10	1333	8	1305	12	1305	12	104
MT-13	138	344	783580	2.7	11.0341	0.5	3.0661	1.0	0.2455	0.8	0.85	1415	10	1424	7	1438	9	1438	9	98
MT-13	139	220	272343	7.9	11.1166	0.7	3.0195	1.3	0.2436	1.1	0.82	1405	13	1413	10	1424	14	1424	14	99
MT-13	140	51	126507	1.0	11.7958	0.9	2.7177	1.4	0.2326	1.0	0.77	1348	13	1333	10	1310	17	1310	17	103
MT-13	141	680	329729	1.7	10.8021	0.6	3.1815	1.4	0.2494	1.2	0.88	1435	16	1453	11	1478	12	1478	12	97
MT-13	142	344	341325	4.3	11.1340	0.7	3.0446	1.0	0.2460	0.8	0.77	1418	10	1419	8	1421	13	1421	13	100
MT-13	143	402	214791	1.5	11.3014	0.6	2.9238	1.0	0.2398	0.8	0.80	1385	10	1388	7	1392	11	1392	11	100
MT-13	144	225	245386	1.8	11.5172	0.6	2.7426	1.2	0.2292	1.0	0.85	1330	12	1340	9	1356	12	1356	12	98
MT-13	145	78	113943	0.6	11.5063	0.9	2.6615	1.2	0.2222	0.8	0.66	1293	10	1318	9	1358	18	1358	18	95
MT-13	146	257	309827	3.4	11.1218	0.7	2.9739	1.0	0.2400	0.8	0.76	1387	10	1401	8	1423	13	1423	13	97
MT-13	147	199	235706	2.1	11.1782	0.5	3.0396	0.9	0.2465	0.7	0.79	1421	9	1418	7	1413	10	1413	10	101
MT-13	148	355	197671	1.4	11.3072	0.5	2.8175	1.0	0.2312	0.9	0.87	1341	11	1360	8	1391	10	1391	10	96
MT-13	149	344	129738	4.4	10.0393	0.7	3.6224	1.2	0.2639	1.0	0.81	1510	13	1554	9	1616	13	1616	13	93
MT-13	150	382	187011	2.0	11.5035	0.6	2.6957	1.1	0.2250	0.9	0.82	1308	11	1327	8	1358	12	1358	12	96
MT-13	151	46	75193	0.9	11.7264	0.7	2.6692	1.1	0.2271	0.8	0.75	1319	10	1320	8	1321	14	1321	14	100
MT-13	152	179	211762	2.4	11.5564	0.6	2.7322	1.1	0.2291	0.9	0.82	1330	11	1337	8	1349	12	1349	12	99
MT-13	153	1332	458858	2.9	11.3247	0.5	2.9259	1.3	0.2404	1.2	0.91	1389	15	1389	10	1388	10	1388	10	100
MT-13	154	154	66924	1.6	11.3677	0.7	3.0019	1.0	0.2476	0.7	0.69	1426	9	1408	7	1381	14	1381	14	103
MT-13	155	358	196764	1.6	9.2454	0.6	4.6467	1.0	0.3117	0.8	0.82	1749	13	1758	8	1768	11	1768	11	99
MT-13	156	1042	1100094	4.7	10.4782	0.6	3.5105	1.3	0.2669	1.1	0.88	1525	16	1530	10	1536	12	1536	12	99
MT-13	157	276	420221	3.2	9.2453	0.6	4.7133	1.0	0.3162	0.8	0.79	1771	12	1770	8	1768	11	1768	11	100
MT-13	158	23	20839	0.7	11.6527	1.2	2.6129	1.5	0.2209	0.9	0.63	1287	11	1304	11	1333	22	1333	22	97
MT-13	159	92	231383	0.9	11.7368	0.7	2.7874	1.0	0.2374	0.7	0.71	1373	9	1352	8	1319	14	1319	14	104
MT-13	160	190	164708	5.0	11.2186	0.4	3.0069	0.9	0.2448	0.8	0.89	1411	10	1409	7	1406	8	1406	8	100
MT-13	161	363	166566	3.0	11.5396	0.5	2.7053	0.9	0.2265	0.7	0.81	1316	8	1330	6	1352	10	1352	10	97
MT-13	162	279	1314411	3.1	11.6574	0.7	2.7175	1.2	0.2299	1.0	0.79	1334	12	1333	9	1332	14	1332	14	100
MT-13	163	81	340328	4.1	11.4490	0.7	2.8776	1.3	0.2390	1.1	0.84	1382	14	1376	10	1367	13	1367	13	101

MT-13	164	49	284975	3.1	11.5546	0.9	2.8454	1.2	0.2386	0.8	0.68	1379	10	1368	9	1350	18	1350	18	102
MT-13	165	478	581179	4.0	11.5581	0.5	2.7168	1.0	0.2278	0.9	0.85	1323	11	1333	8	1349	10	1349	10	98
MT-13	166	1635	123336	8.1	11.0294	0.7	2.7509	1.2	0.2201	1.0	0.82	1283	12	1342	9	1439	13	1439	13	89
MT-13	167	147	234112	2.4	11.0864	0.7	2.9898	1.2	0.2405	0.9	0.77	1389	11	1405	9	1429	14	1429	14	97
MT-13	168	186	194641	1.6	11.7572	0.4	2.7274	0.9	0.2327	0.8	0.90	1349	10	1336	7	1316	8	1316	8	102
MT-13	169	491	1551208	1.8	11.5523	0.6	2.7554	1.1	0.2310	1.0	0.83	1340	12	1344	9	1350	12	1350	12	99
MT-13	170	104	63368	1.2	11.3121	0.8	2.6084	1.3	0.2141	1.0	0.78	1251	12	1303	10	1390	16	1390	16	90
MT-13	171	542	611265	1.9	8.9354	0.5	5.1617	1.0	0.3347	0.9	0.86	1861	14	1846	9	1830	10	1830	10	102
MT-13	172	582	882392	1.7	10.1004	0.6	3.8046	1.4	0.2788	1.3	0.92	1585	18	1594	11	1605	10	1605	10	99
MT-13	173	247	149663	1.3	11.5274	0.6	2.6350	1.2	0.2204	1.1	0.88	1284	12	1310	9	1354	11	1354	11	95
MT-13	174	642	496327	1.1	11.3369	0.5	2.8361	1.2	0.2333	1.1	0.90	1352	13	1365	9	1386	10	1386	10	98
MT-13	175	812	120661	2.4	10.7637	1.1	3.0690	1.5	0.2397	1.1	0.69	1385	13	1425	12	1485	21	1485	21	93
MT-13	176	530	1383839	2.9	11.5686	0.5	2.7668	1.0	0.2322	0.9	0.85	1346	11	1347	8	1347	11	1347	11	100
MT-13	177	270	100370033	3.1	11.5916	0.6	2.7829	0.8	0.2341	0.6	0.73	1356	7	1351	6	1343	11	1343	11	101
MT-13	178	104	124136	1.2	11.6522	0.7	2.6988	1.2	0.2282	0.9	0.80	1325	11	1328	9	1333	13	1333	13	99
MT-13	179	287	44111	1.2	10.7258	0.8	2.7964	1.5	0.2176	1.3	0.85	1269	15	1355	11	1492	15	1492	15	85
MT-13	180	273	246628	3.0	11.4323	0.6	2.8303	1.2	0.2348	1.0	0.86	1359	12	1364	9	1370	12	1370	12	99
MT-13	181	201	135110	4.2	11.0225	0.7	3.1894	1.2	0.2551	0.9	0.78	1465	12	1455	9	1440	14	1440	14	102
MT-13	182	103	98996	2.4	11.3148	0.6	2.9759	1.0	0.2443	0.8	0.82	1409	10	1401	8	1390	11	1390	11	101
MT-13	183	582	228779	0.6	11.5133	0.5	2.8492	1.1	0.2380	1.0	0.87	1376	12	1369	8	1356	10	1356	10	101
MT-13	184	213	229194	1.5	11.2995	0.7	2.8489	1.3	0.2336	1.0	0.81	1353	13	1369	10	1392	14	1392	14	97
MT-13	185	279	211574	2.9	11.6263	0.5	2.6822	1.0	0.2263	0.9	0.85	1315	10	1324	8	1338	10	1338	10	98
MT-13	186	282	221851	3.0	11.5399	0.5	2.7788	0.9	0.2327	0.8	0.84	1348	9	1350	7	1352	10	1352	10	100
MT-13	187	413	1777731	2.0	11.6118	0.7	2.7457	1.2	0.2313	1.0	0.84	1341	13	1341	9	1340	13	1340	13	100
MT-13	188	230	104971	2.6	11.0972	0.8	3.0009	1.2	0.2416	1.0	0.78	1395	12	1408	10	1427	15	1427	15	98
MT-13	189	145	186796	1.8	9.1743	0.7	4.7952	1.2	0.3192	0.9	0.78	1786	15	1784	10	1782	14	1782	14	100
MT-13	190	1095	639756	4.3	10.4790	0.6	3.4829	1.2	0.2648	1.1	0.88	1514	15	1523	10	1536	11	1536	11	99
MT-13	191	656	2033021	2.9	10.9639	0.6	3.1531	1.5	0.2508	1.3	0.90	1443	17	1446	11	1450	12	1450	12	99
MT-13	192	82	139668	3.6	11.1188	0.9	2.9872	1.4	0.2410	1.0	0.76	1392	13	1404	10	1423	17	1423	17	98
MT-13	193	45	49284	1.0	11.3562	0.9	2.8249	1.3	0.2328	0.9	0.72	1349	11	1362	10	1383	17	1383	17	98
MT-13	194	827	22413	1.1	9.6077	2.0	3.5102	2.3	0.2447	1.2	0.51	1411	15	1530	18	1697	36	1697	36	83
MT-13	195	170	86594	2.1	11.5387	0.8	2.7548	1.1	0.2306	0.8	0.70	1338	9	1343	8	1352	15	1352	15	99
MT-13	196	382	114250	2.3	11.4810	0.6	2.8273	1.1	0.2355	0.9	0.82	1363	11	1363	8	1362	12	1362	12	100
MT-13	197	219	122274	1.6	11.2070	0.6	2.9502	1.3	0.2399	1.1	0.89	1386	14	1395	10	1408	11	1408	11	98
MT-13	198	150	655171	2.6	11.3198	0.5	2.8829	0.9	0.2368	0.8	0.83	1370	10	1377	7	1389	10	1389	10	99
MT-13	199	627	625684	2.7	9.1538	0.6	4.6928	1.1	0.3117	1.0	0.84	1749	15	1766	10	1786	11	1786	11	98
MT-13	200	517	905822	2.2	11.5729	0.8	2.7777	1.2	0.2332	1.0	0.77	1351	12	1350	9	1346	15	1346	15	100
MT-13	201	126	107869	2.0	11.1673	0.8	2.9704	1.3	0.2407	1.1	0.83	1390	14	1400	10	1415	14	1415	14	98
MT-13	202	660	330585	1.5	11.5886	0.6	2.7432	1.3	0.2307	1.2	0.90	1338	14	1340	10	1344	11	1344	11	100
MT-13	203	109	64784	1.9	9.3093	0.5	4.7249	0.9	0.3192	0.7	0.81	1786	12	1772	8	1755	10	1755	10	102
MT-13	204	239	293242	3.9	11.1868	0.5	3.0542	0.9	0.2479	0.8	0.83	1428	10	1421	7	1412	10	1412	10	101
MT-13	205	265	247361	1.9	11.4042	0.7	2.8701	1.2	0.2375	0.9	0.80	1374	11	1374	9	1375	13	1375	13	100
MT-13	206	282	81682	3.0	11.6827	0.6	2.7649	0.9	0.2344	0.7	0.79	1357	9	1346	7	1328	11	1328	11	102
MT-13	207	352	345463	3.1	11.6234	0.5	2.7411	0.9	0.2312	0.7	0.81	1341	9	1340	7	1338	10	1338	10	100
MT-13	208	192	212161	2.4	11.2965	0.7	2.9728	1.2	0.2437	0.9	0.77	1406	11	1401	9	1393	14	1393	14	101
MT-13	209	690	128470	4.6	10.2635	0.6	3.4530	1.5	0.2571	1.4	0.92	1475	18	1517	12	1575	11	1575	11	94
MT-13	210	1291	281173	17.0	11.4210	0.5	2.8726	1.3	0.2381	1.2	0.91	1377	15	1375	10	1372	10	1372	10	100
MT-13	211	62	65484	1.1	11.5904	0.8	2.7798	1.1	0.2338	0.7	0.67	1354	9	1350	8	1344	16	1344	16	101
MT-13	212	244	106742	1.3	9.2221	0.8	4.5975	1.1	0.3076	0.9	0.75	1729	13	1749	10	1772	14	1772	14	98
MT-13	213	117	191353	1.6	11.1997	0.6	2.8273	0.9	0.2298	0.7	0.71	1333	8	1363	7	1409	12	1409	12	95
MT-13	214	264	731206	2.9	11.6594	0.6	2.7124	1.0	0.2295	0.8	0.80	1332	10	1332	7	1332	12	1332	12	100
MT-13	215	350	2432034	3.3	11.5678	0.6	2.7953	1.1	0.2346	0.9	0.82	1359	11	1354	8	1347	12	1347	12	101
MT-13	216	550	130353	2.8	11.4768	0.6	2.6693	1.2	0.2223	1.0	0.85	1294	12	1320	9	1363	12	1363	12	95
MT-13	217	71	82209	0.4	11.6918	0.7	2.7881	1.2	0.2365	1.0	0.81	1369	12	1352	9	1327	14	1327	14	103
MT-13	218	293	1321196	1.1	11.3765	0.6	2.8039	1.0	0.2315	0.7	0.74	1342	9	1357	7	1379	12	1379	12	97
MT-13	219	637	328549	13.7	11.4317	0.7	2.6898	1.6	0.2231	1.5	0.92	1298	18	1326	12	1370	13	1370	13	95
MT-13	220	254	4623773	2.9	11.2085	0.8	2.9305	1.4	0.2383	1.2	0.83	1378	14	1390	11	1408	15	1408	15	98
MT-13	221	140	168432	1.6	11.2772	0.6	2.9384	1.0	0.2404	0.8	0.77	1389	10	1392	8	1396	12	1396	12	99
MT-13	222	122	256898	4.3	11.2283	0.7	2.9822	1.3	0.2430	1.1	0.86	1402	14	1403	10	1405	13	1405	13	100
MT-13	223	376	4008373	2.3	9.2245	0.6	4.7238	1.1	0.3162	1.0	0.87	1771	15	1771	10	1772	10	1772	10	100
MT-13	224	454	5283899	3.0	11.1249	0.5	3.0096	1.0	0.2429	0.9	0.87	1402	11	1410	8	1422	10	1422	10	99
MT-13	225	121	1821029	0.9	11.6383	0.7	2.6730	1.5	0.2257	1.3	0.87	1312	15	1321	11	1336	14	1336	14	98
MT-13	226	175	479272	2.5	11.6175	0.6	2.7318	1.1	0.2303	0.9	0.85	1336	11	1337	8	1339	11	1339	11	100
MT-13	227	531	110288	4.6	11.0979	0.5	3.0612	1.1	0.2465	1.0	0.88	1420	12	1423	8	1427	10	1427	10	100
MT-13	228	234	260592	2.1	11.5838	0.5	2.7520	1.1	0.2313	0.9	0.87	1341	11	1343	8	1345	10	1345	10	100
MT-13	229	349	769099	1.2	5.3449	0.5	13.6285	0.9	0.5285	0.8	0.85	2735	17	2724	8	2716	8	2716	8	101
MT-13	230	156	154576	2.1	11.3326	0.7	3.0315	1.2	0.2493	1.0	0.81	1435	13	1416	9	1387	14	1387	14	103

MT-13	231	518	1705298	3.4	11.6178	0.5	2.7464	1.0	0.2315	0.9	0.87	1342	11	1341	8	1339	10	1339	10	100
MT-13	232	296	180136	2.5	11.1290	0.8	3.0577	1.2	0.2469	1.0	0.79	1423	12	1422	9	1422	15	1422	15	100
MT-13	233	121	178761	1.4	11.2133	0.8	2.9723	1.1	0.2418	0.8	0.68	1396	10	1401	9	1407	16	1407	16	99
MT-13	234	436	259740	5.5	11.5394	0.6	2.6783	1.2	0.2242	1.0	0.84	1304	12	1322	9	1352	12	1352	12	96
MT-13	235	220	243918	2.0	10.5869	0.6	3.3953	1.1	0.2608	0.9	0.85	1494	12	1503	8	1516	11	1516	11	99
MT-13	236	247	776653	2.3	11.6441	0.6	2.6455	1.1	0.2235	1.0	0.86	1300	11	1313	8	1335	11	1335	11	97
MT-13	237	85	369242	2.4	10.5074	0.7	3.4998	1.1	0.2668	0.8	0.78	1525	11	1527	8	1531	13	1531	13	100
MT-13	238	218	183908	2.9	11.2272	0.8	2.9815	1.2	0.2429	0.8	0.73	1402	11	1403	9	1405	15	1405	15	100
MT-13	239	202	225735	1.6	11.3857	0.7	2.7864	1.0	0.2302	0.8	0.78	1336	10	1352	8	1378	13	1378	13	97
MT-13	240	889	341547	2.8	11.4056	0.5	2.7542	1.1	0.2279	0.9	0.87	1324	11	1343	8	1375	10	1375	10	96
MT-13	241	88	223184	1.3	11.5695	0.8	2.6928	1.3	0.2261	1.0	0.80	1314	12	1326	10	1347	15	1347	15	98
MT-13	242	140	141429	3.1	11.3066	0.6	2.9302	1.1	0.2404	0.9	0.84	1389	12	1390	9	1391	12	1391	12	100
MT-13	243	315	17206	2.8	9.4278	4.1	3.8021	4.4	0.2601	1.5	0.34	1490	20	1593	35	1732	75	1732	75	86
MT-13	244	127	92476	1.8	9.3001	0.7	4.6897	1.0	0.3165	0.8	0.76	1772	12	1765	8	1757	12	1757	12	101
MT-13	245	252	586968	4.6	11.1250	0.5	3.0201	0.9	0.2438	0.7	0.80	1406	9	1413	7	1422	10	1422	10	99
MT-13	246	370	696253	4.5	10.4281	0.6	3.5273	1.0	0.2669	0.8	0.82	1525	11	1533	8	1545	11	1545	11	99
MT-13	247	175	156870	1.5	11.0340	0.8	2.9930	1.2	0.2396	0.9	0.72	1385	11	1406	9	1438	16	1438	16	96
MT-13	248	319	1316344	3.9	10.3948	0.6	3.5471	0.9	0.2675	0.7	0.76	1528	9	1538	7	1551	11	1551	11	99
MT-13	249	188	191891	2.4	10.6502	0.6	3.3909	1.0	0.2620	0.8	0.79	1500	10	1502	8	1505	11	1505	11	100
MT-13	250	259	224053	1.1	11.2993	0.5	2.9779	1.0	0.2441	0.9	0.86	1408	11	1402	8	1393	10	1393	10	101
MT-13	251	315	632397	1.0	8.8045	0.5	5.1064	1.1	0.3262	1.0	0.88	1820	16	1837	10	1857	10	1857	10	98
MT-13	252	1444	6239359	1.4	11.4030	0.5	2.8787	1.2	0.2382	1.1	0.90	1377	13	1376	9	1375	10	1375	10	100
MT-13	253	433	618585	1.3	9.2174	0.6	4.7560	1.1	0.3181	0.9	0.82	1780	14	1777	9	1773	11	1773	11	100
MT-13	254	217	344536	2.3	11.1930	0.7	2.9670	1.1	0.2410	0.8	0.77	1392	10	1399	8	1411	13	1411	13	99
MT-13	255	2122	547546	2.4	10.7916	0.5	3.1178	1.1	0.2441	1.0	0.90	1408	12	1437	8	1480	9	1480	9	95
MT-13	256	270	145077	4.2	11.3347	0.6	2.9132	1.1	0.2396	0.9	0.86	1385	12	1385	8	1387	11	1387	11	100
MT-13	257	692	551378	2.7	11.5892	0.6	2.8196	1.3	0.2371	1.1	0.89	1372	14	1361	10	1344	11	1344	11	102
MT-13	258	570	226019	2.8	11.3646	0.4	2.8974	1.2	0.2389	1.2	0.95	1381	14	1381	9	1381	7	1381	7	100
MT-13	259	331	633128	2.2	11.3802	0.7	2.7824	1.3	0.2297	1.0	0.82	1333	13	1351	9	1379	14	1379	14	97
MT-13	260	63	497526	1.0	9.3208	0.6	4.4824	0.9	0.3031	0.7	0.76	1707	11	1728	8	1753	11	1753	11	97
MT-13	261	229	85465	2.3	11.1885	0.6	2.9519	1.1	0.2396	0.9	0.84	1385	12	1395	8	1411	12	1411	12	98
MT-13	262	270	935759	1.4	11.4128	0.7	2.8452	1.0	0.2356	0.6	0.65	1364	8	1368	7	1373	14	1373	14	99
MT-13	263	403	629564	2.0	11.3554	0.7	2.7854	1.1	0.2295	0.9	0.79	1332	11	1352	9	1383	14	1383	14	96
MT-13	264	172	144424	1.3	11.4157	0.5	2.8715	1.0	0.2378	0.8	0.85	1376	10	1374	7	1373	10	1373	10	100
MT-13	265	222	159253	2.1	11.2571	0.7	2.9647	1.4	0.2422	1.2	0.87	1398	15	1399	10	1400	13	1400	13	100
MT-13	266	571	267215	4.9	11.1996	0.5	3.0466	1.0	0.2476	0.9	0.86	1426	11	1419	8	1410	10	1410	10	101
MT-13	267	528	196254	16.4	11.2286	0.5	2.9860	1.0	0.2433	0.9	0.86	1404	11	1404	8	1405	10	1405	10	100
MT-13	268	343	159111	5.2	11.1339	0.8	2.9928	1.1	0.2418	0.8	0.74	1396	10	1406	9	1421	15	1421	15	98
MT-13	269	126	112044	1.7	11.3517	0.6	2.9548	1.1	0.2434	0.9	0.81	1404	11	1396	8	1384	12	1384	12	101
MT-13	270	184	289231	4.1	9.5970	0.7	4.5355	1.1	0.3158	0.9	0.81	1769	14	1737	10	1699	12	1699	12	104
MT-13	271	240	335040	1.3	11.3824	0.6	2.7384	1.3	0.2262	1.2	0.89	1314	14	1339	10	1378	12	1378	12	95
MT-13	272	301	1231527	16.8	6.0370	0.6	10.8317	1.1	0.4745	0.9	0.84	2503	19	2509	10	2513	10	2513	10	100
MT-13	273	277	158112	4.3	11.1073	0.7	3.1064	1.1	0.2504	0.9	0.78	1440	11	1434	8	1425	13	1425	13	101
MT-13	274	1698	437855	0.8	10.4695	0.5	3.4528	1.1	0.2623	0.9	0.87	1502	12	1517	8	1537	10	1537	10	98
MT-13	275	459	1796318	2.0	11.0222	0.5	3.1346	1.2	0.2507	1.0	0.89	1442	13	1441	9	1440	10	1440	10	100
MT-13	276	1820	602506	59.7	11.4988	0.4	2.7314	1.1	0.2279	1.0	0.92	1323	12	1337	8	1359	8	1359	8	97
MT-13	277	136	192576	2.2	11.6757	0.8	2.6749	1.3	0.2266	1.0	0.78	1317	12	1322	10	1329	16	1329	16	99
MT-13	278	592	250978	16.5	9.3650	0.6	4.4748	1.2	0.3041	1.0	0.86	1711	15	1726	10	1744	11	1744	11	98
MT-13	279	245	2127532	1.9	11.2215	0.6	2.8918	1.3	0.2355	1.1	0.89	1363	14	1380	10	1406	11	1406	11	97
MT-13	280	598	191032	3.6	11.3186	0.5	2.6924	0.9	0.2211	0.7	0.83	1288	9	1326	7	1389	10	1389	10	93
MT-13	281	65	230174	0.8	11.5556	0.7	2.6425	1.2	0.2216	0.9	0.80	1290	11	1313	9	1349	14	1349	14	96
MT-13	282	159	1029476	2.6	11.6675	0.7	2.7510	1.1	0.2329	0.9	0.80	1350	11	1342	8	1331	13	1331	13	101
MT-13	283	511	403759	3.1	9.3005	0.7	4.5989	1.2	0.3103	1.0	0.82	1742	15	1749	10	1757	13	1757	13	99
MT-13	284	320	221054	2.3	11.2536	0.6	2.9982	1.0	0.2448	0.8	0.80	1412	10	1407	8	1400	11	1400	11	101
MT-13	285	156	126665	2.0	11.1857	0.6	2.8885	1.2	0.2344	1.0	0.85	1358	12	1379	9	1412	12	1412	12	96
MT-13	286	44	60496	2.0	11.6034	1.0	2.6926	1.3	0.2267	0.7	0.59	1317	9	1326	9	1341	20	1341	20	98
MT-13	287	646	3861312	1.9	11.5611	0.6	2.7213	1.5	0.2283	1.3	0.91	1325	16	1334	11	1348	12	1348	12	98
MT-13	288	217	86711	2.0	11.0826	1.0	2.7639	1.8	0.2223	1.5	0.82	1294	18	1346	14	1430	20	1430	20	90
MT-13	289	499	275904	2.9	10.9279	0.6	3.1511	1.2	0.2499	1.0	0.86	1438	14	1445	9	1456	12	1456	12	99
MT-13	290	113	182910	1.9	9.0095	1.1	4.7115	1.4	0.3080	0.9	0.65	1731	14	1769	12	1815	19	1815	19	95
MT-13	291	193	467977	2.0	11.1957	0.7	3.0179	1.0	0.2452	0.8	0.75	1413	10	1412	8	1410	13	1410	13	100
MT-13	292	229	163912	2.6	11.1519	0.7	3.0538	1.1	0.2471	0.8	0.77	1424	10	1421	8	1418	13	1418	13	100
MT-13	293	210	250962	2.8	11.0266	0.6	3.1262	1.2	0.2501	1.0	0.86	1439	13	1439	9	1439	12	1439	12	100
MT-13	294	551	241756	5.5	9.2725	0.6	4.4834	1.0	0.3016	0.9	0.82	1699	13	1728	9	1763	11	1763	11	96
MT-13	295	217	122690	1.8	11.5874	0.7	2.7640	1.2	0.2324	0.9	0.78	1347	11	1346	9	1344	14	1344	14	100
MT-13	296	220	348937	1.5	11.4923	0.7	2.7245	1.3	0.2272	1.1	0.83	1320	13	1335	10	1360	14	1360	14	97
MT-13	297	138	167547	1.4	11.5014	0.8	2.7540	1.2	0.2298	0.9	0.76	1334	11	1343	9	1358	15	1358	15	98

MT-13	298	1414	151656	3.5	11.1583	0.7	2.7571	1.3	0.2232	1.1	0.84	1299	13	1344	10	1417	14	1417	14	92
MT-13	299	1443	209521	1.4	10.8867	0.6	3.1058	1.2	0.2453	1.1	0.87	1414	14	1434	10	1464	12	1464	12	97
MT-13	300	104	79381	0.7	11.7118	0.8	2.6945	1.1	0.2290	0.9	0.74	1329	10	1327	9	1323	15	1323	15	100
MT-13	301	145	93061	5.6	10.6801	0.8	3.3158	1.3	0.2570	1.1	0.82	1474	14	1485	10	1500	14	1500	14	98
MT-13	302	851	433900	12.1	11.6631	0.5	2.7280	1.3	0.2309	1.2	0.92	1339	14	1336	9	1331	10	1331	10	101
MT-13	303	203	191759	4.4	11.0738	0.5	2.9641	1.0	0.2382	0.8	0.83	1377	10	1398	7	1431	10	1431	10	96

MT-14	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
MT-14	1	267	101289	1.9	12.5946	0.5	2.2079	0.7	0.2018	0.5	0.70	1185	6	1184	5	1181	10	1181	10	100
MT-14	2	555	747265	3.5	14.0493	0.4	1.5731	0.7	0.1604	0.6	0.84	959	5	960	4	962	8	962	8	100
MT-14	3	115	56566	1.6	9.4344	0.4	4.5086	0.7	0.3086	0.6	0.87	1734	10	1733	6	1731	7	1731	7	100
MT-14	4	516	159025	2.2	9.5949	0.3	4.3571	0.7	0.3033	0.6	0.87	1708	9	1704	6	1700	6	1700	6	100
MT-14	5	69	60568	1.1	8.1393	0.6	5.9431	0.8	0.3510	0.6	0.73	1939	10	1968	7	1997	10	1997	10	97
MT-14	6	1177	1081286	4.8	12.5643	0.4	2.2281	0.8	0.2031	0.7	0.84	1192	7	1190	6	1186	9	1186	9	101
MT-14	7	196	1059833	2.5	10.1914	0.4	3.7723	0.6	0.2790	0.5	0.80	1586	7	1587	5	1588	7	1588	7	100
MT-14	8	346	180619	1.4	11.8112	0.4	2.6992	0.7	0.2313	0.5	0.79	1341	6	1328	5	1307	8	1307	8	103
MT-14	9	166	245024	2.8	11.6266	0.5	2.7472	0.7	0.2318	0.6	0.78	1344	7	1341	6	1338	9	1338	9	100
MT-14	10	374	2327780	2.3	12.3403	0.5	2.3553	0.8	0.2109	0.7	0.83	1234	8	1229	6	1221	9	1221	9	101
MT-14	11	325	371902	3.6	12.2557	0.6	2.4150	0.8	0.2148	0.5	0.70	1254	6	1247	6	1235	11	1235	11	102
MT-14	12	172	26470	2.4	14.4327	0.5	1.4777	0.9	0.1547	0.7	0.78	928	6	921	5	906	11	906	11	102
MT-14	13	311	78620	5.0	12.5045	0.4	2.1462	1.1	0.1947	1.0	0.92	1147	11	1164	8	1195	9	1195	9	96
MT-14	14	288	171937094	1.1	9.3157	0.5	4.3693	0.8	0.2953	0.7	0.82	1668	10	1707	7	1754	8	1754	8	95
MT-14	15	596	101293	1.7	10.9276	0.3	2.8926	0.7	0.2294	0.6	0.87	1331	7	1380	5	1456	7	1456	7	91
MT-14	16	149	38956	1.1	9.0751	0.4	5.0718	0.8	0.3340	0.6	0.82	1858	10	1831	7	1802	8	1802	8	103
MT-14	17	1197	109932	3.1	12.4048	0.4	2.1173	1.0	0.1906	0.9	0.93	1124	10	1154	7	1211	7	1211	7	93
MT-14	18	215	44356	2.9	11.6410	0.6	2.7800	0.9	0.2348	0.7	0.78	1360	9	1350	7	1335	11	1335	11	102
MT-14	19	216	2655337	1.5	9.6350	0.5	4.4284	0.8	0.3096	0.6	0.77	1739	9	1718	6	1692	9	1692	9	103
MT-14	20	64	37818	2.0	11.8856	0.7	2.6558	1.2	0.2290	1.0	0.80	1329	12	1316	9	1295	14	1295	14	103
MT-14	21	197	665929	1.6	9.2108	0.5	4.6753	0.8	0.3125	0.6	0.78	1753	9	1763	7	1775	9	1775	9	99
MT-14	22	244	57785	5.2	12.0111	0.6	2.5693	0.8	0.2239	0.6	0.72	1303	7	1292	6	1274	11	1274	11	102
MT-14	23	114	74571	2.0	10.0094	0.6	3.7969	1.0	0.2758	0.8	0.81	1570	11	1592	8	1622	10	1622	10	97
MT-14	24	158	118533	3.6	12.6627	0.6	2.2382	0.9	0.2056	0.7	0.80	1206	8	1193	7	1171	11	1171	11	103
MT-14	25	11	4293	1.3	13.5869	2.5	1.8373	2.7	0.1811	1.0	0.37	1073	10	1059	18	1030	51	1030	51	104
MT-14	26	80	33678	1.1	11.7250	0.7	2.6744	1.1	0.2275	0.8	0.75	1322	9	1321	8	1321	13	1321	13	100
MT-14	27	142	65176	2.3	12.2185	0.5	2.3967	0.8	0.2125	0.7	0.83	1242	8	1242	6	1241	9	1241	9	100
MT-14	28	64	41345	1.5	12.3926	3.3	1.9198	3.5	0.1726	1.2	0.35	1027	12	1088	23	1213	64	1213	64	85
MT-14	29	403	103413	1.4	11.7638	0.5	2.6238	0.8	0.2240	0.7	0.82	1303	8	1307	6	1315	9	1315	9	99
MT-14	30	463	158453	1.3	11.5947	0.5	2.7828	0.8	0.2341	0.6	0.81	1356	8	1351	6	1343	9	1343	9	101
MT-14	31	235	225341	2.0	9.5102	0.4	4.4008	0.7	0.3037	0.6	0.81	1710	9	1712	6	1716	8	1716	8	100
MT-14	32	155	116191	0.7	11.6620	0.5	2.7520	0.8	0.2329	0.6	0.76	1349	7	1343	6	1332	10	1332	10	101
MT-14	33	606	1352753	2.1	11.7762	0.3	2.6568	0.9	0.2270	0.8	0.93	1319	10	1317	7	1313	6	1313	6	100
MT-14	34	116	82596	1.3	9.2792	0.5	4.7037	1.0	0.3167	0.8	0.86	1774	13	1768	8	1761	9	1761	9	101
MT-14	35	320	173097	2.6	10.2198	0.5	3.6933	0.9	0.2739	0.7	0.82	1560	10	1570	7	1583	10	1583	10	99
MT-14	36	155	31041	1.7	12.3891	0.6	2.3094	1.0	0.2076	0.8	0.81	1216	9	1215	7	1214	12	1214	12	100
MT-14	37	243	78268	6.2	12.2871	0.5	2.3244	0.7	0.2072	0.5	0.74	1214	6	1220	5	1230	9	1230	9	99
MT-14	38	387	121456	3.6	12.7417	0.6	2.1135	0.9	0.1954	0.7	0.78	1151	7	1153	6	1158	11	1158	11	99
MT-14	39	110	32236	1.6	12.6850	0.6	2.1926	1.0	0.2018	0.8	0.79	1185	8	1179	7	1167	11	1167	11	102
MT-14	40	195	65418	1.5	11.6441	0.6	2.7255	0.9	0.2303	0.7	0.75	1336	8	1335	7	1335	11	1335	11	100
MT-14	41	708	296612	4.7	12.2886	0.4	2.3218	1.1	0.2070	1.0	0.93	1213	11	1219	8	1230	8	1230	8	99
MT-14	42	154	112649	2.6	10.3325	0.6	3.6016	1.1	0.2700	0.9	0.85	1541	13	1550	9	1562	11	1562	11	99
MT-14	43	70	101980	1.6	13.3183	0.8	1.8120	1.1	0.1751	0.7	0.69	1040	7	1050	7	1070	16	1070	16	97
MT-14	44	112	100440	1.3	13.0423	0.7	2.0236	1.1	0.1915	0.8	0.72	1129	8	1123	7	1112	15	1112	15	102
MT-14	45	94	103999	1.7	9.1320	0.7	4.8329	1.0	0.3202	0.8	0.75	1791	12	1791	8	1790	12	1790	12	100
MT-14	46	220	511314	1.3	8.6006	0.5	5.4939	1.0	0.3428	0.9	0.88	1900	14	1900	8	1899	8	1899	8	100
MT-14	47	15	24385	0.9	10.4643	1.2	3.2063	1.5	0.2434	0.9	0.59	1405	11	1459	12	1538	23	1538	23	91
MT-14	48	109	199792	4.4	12.3214	0.8	2.3092	1.2	0.2064	0.8	0.69	1210	9	1215	8	1224	16	1224	16	99
MT-14	49	88	1008706	1.9	12.6343	0.8	2.0927	1.1	0.1918	0.7	0.67	1131	7	1146	7	1175	16	1175	16	96
MT-14	50	172	83830	4.2	12.6902	0.6	2.1619	1.0	0.1991	0.8	0.79	1170	9	1169	7	1166	12	1166	12	100
MT-14	51	110	45082	1.1	9.6182	0.6	4.2866	1.0	0.2992	0.8	0.79	1687	12	1691	8	1695	11	1695	11	100
MT-14	52	363	133668	4.7	12.6184	0.5	2.1775	1.0	0.1994	0.8	0.84	1172	9	1174	7	1178	10	1178	10	100
MT-14	53	273	208542	2.3	10.3991	0.4	3.4979	0.8	0.2639	0.6	0.85	1510	9	1527	6	1550	7	1550	7	97
MT-14	54	173	62676	1.6	12.9550	0.8	2.0700	1.0	0.1946	0.7	0.65	1146	7	1139	7	1125	16	1125	16	102
MT-14	55	196	70413	3.2	12.5675	0.7	2.1846	1.0	0.1992	0.7	0.73	1171	8	1176	7	1186	13	1186	13	99
MT-14	56	455	698499	1.9	11.6292	0.5	2.7976	0.8	0.2361	0.6	0.81	1366	8	1355	6	1337	9	1337	9	102
MT-14	57	567	118135	4.4	14.3234	0.5	1.5077	0.9	0.1567	0.8	0.83	938	7	934	6	922	10	922	10	102
MT-14	58	249	88548	2.1	12.3471	0.5	2.3091	0.9	0.2069	0.7	0.83	1212	8	1215	6	1220	9	1220	9	99
MT-14	59	338	365655	3.7	12.6019	0.4	2.2388	0.7	0.2047	0.5	0.80	1201	6	1193	5	1180	8	1180	8	102
MT-14	60	206	256006	2.6	12.3620	0.6	2.3220	1.0	0.2083	0.7	0.77	1220	8	1219	7	1218	12	1218	12	100
MT-14	61	172	54752	1.1	12.7718	0.6	1.9919	0.9	0.1846	0.7	0.76	1092	7	1113	6	1154	12	1154	12	95
MT-14	62	229	443164	2.7	12.5381	0.6	2.1806	1.1	0.1984	0.9	0.85	1167	10	1175	7	1190	11	1190	11	98
MT-14	63	230	238638	1.9	9.2951	0.5	4.6080	0.7	0.3108	0.5	0.68	1745	7	1751	6	1758	10	1758	10	99
MT-14	64	286	118804	3.2	13.6107	0.5	1.7544	0.9	0.1733	0.7	0.80	1030	7	1029	6	1026	11	1026	11	100
MT-14	65	356	120439	2.9	12.6464	0.5	2.1814	0.9	0.2002	0.7	0.80	1176	7	1175	6	1173	10	1173	10	100

MT-14	66	299	797564	3.1	12.3614	0.5	2.1958	0.8	0.1969	0.7	0.82	1159	7	1180	6	1218	9	1218	9	95
MT-14	67	205	108137	2.8	9.6940	0.5	4.3522	0.8	0.3061	0.6	0.79	1722	9	1703	6	1681	9	1681	9	102
MT-14	68	294	175539	2.9	12.1604	0.5	2.4723	0.9	0.2181	0.7	0.78	1272	8	1264	6	1250	10	1250	10	102
MT-14	69	557	116585	4.0	12.7627	0.5	2.0596	0.9	0.1907	0.7	0.82	1125	7	1135	6	1155	10	1155	10	97
MT-14	70	49	144804	2.1	12.5150	0.9	2.3074	1.1	0.2095	0.7	0.65	1226	8	1215	8	1194	17	1194	17	103
MT-14	71	728	236860	5.0	12.3856	0.4	2.3113	0.9	0.2077	0.8	0.89	1217	9	1216	6	1214	8	1214	8	100
MT-14	72	401	1961846	5.4	13.7051	0.5	1.7307	0.8	0.1721	0.6	0.75	1024	5	1020	5	1012	10	1012	10	101
MT-14	73	50	70783	1.2	9.5974	0.7	4.5401	1.2	0.3162	1.0	0.81	1771	15	1738	10	1699	13	1699	13	104
MT-14	74	217	76196	1.4	13.1397	0.7	1.9501	1.1	0.1859	0.8	0.76	1099	9	1098	7	1097	14	1097	14	100
MT-14	75	667	527211	2.9	12.6318	0.4	2.1838	0.8	0.2002	0.6	0.83	1176	7	1176	5	1175	8	1175	8	100
MT-14	76	123	1733620	2.4	12.6944	0.5	2.2187	1.0	0.2044	0.8	0.84	1199	9	1187	7	1166	11	1166	11	103
MT-14	77	257	104576	3.5	12.4187	0.5	2.2998	0.8	0.2072	0.6	0.77	1214	7	1212	6	1209	10	1209	10	100
MT-14	78	144	77976	1.7	12.5911	0.6	2.1888	0.9	0.2000	0.6	0.69	1175	6	1177	6	1182	13	1182	13	99
MT-14	79	190	634572	4.0	12.7741	0.5	2.1684	0.7	0.2010	0.6	0.77	1181	6	1171	5	1153	9	1153	9	102
MT-14	80	608	698063	6.3	10.1211	0.4	3.8811	1.0	0.2850	0.9	0.92	1617	13	1610	8	1601	8	1601	8	101
MT-14	81	187	125331	4.3	14.3338	0.6	1.5105	0.8	0.1571	0.5	0.69	941	5	935	5	921	12	921	12	102
MT-14	82	126	110458	2.5	12.6680	0.4	2.1842	0.6	0.2008	0.5	0.76	1179	5	1176	4	1170	8	1170	8	101
MT-14	83	63	42659	0.7	13.2733	0.9	1.8959	1.3	0.1826	0.9	0.70	1081	9	1080	8	1077	18	1077	18	100
MT-14	84	578	313326	3.4	9.8018	0.4	4.0888	0.8	0.2908	0.7	0.88	1646	11	1652	7	1660	8	1660	8	99
MT-14	85	138	36373	4.8	12.7823	0.6	2.2032	0.9	0.2043	0.6	0.72	1199	7	1182	6	1152	12	1152	12	104
MT-14	86	301	100750	3.8	14.1261	0.6	1.5186	0.9	0.1557	0.8	0.80	933	7	938	6	951	12	951	12	98
MT-14	87	412	131725	0.9	9.4934	0.5	4.4076	0.8	0.3036	0.7	0.84	1709	11	1714	7	1719	8	1719	8	99
MT-14	88	395	126692	1.2	12.3095	0.4	2.3755	0.6	0.2122	0.5	0.75	1240	5	1235	5	1226	8	1226	8	101
MT-14	89	75	18904	1.6	12.5902	0.9	2.2439	1.2	0.2050	0.8	0.66	1202	9	1195	9	1182	18	1182	18	102
MT-14	90	396	186706	2.5	13.3002	0.4	1.8899	0.9	0.1824	0.8	0.87	1080	8	1078	6	1073	9	1073	9	101
MT-14	91	845	373223	3.5	10.0127	0.4	3.7605	1.0	0.2732	0.9	0.91	1557	13	1584	8	1621	8	1621	8	96
MT-14	92	511	243967	1.7	11.9057	0.5	2.5817	0.8	0.2230	0.6	0.79	1298	7	1295	6	1292	9	1292	9	100
MT-14	93	200	34768	3.0	12.4610	0.7	2.3435	1.0	0.2119	0.7	0.70	1239	8	1226	7	1202	14	1202	14	103
MT-14	94	231	284559	1.0	13.2208	0.5	1.8946	0.8	0.1817	0.6	0.80	1077	6	1079	5	1085	10	1085	10	99
MT-14	95	654	906705	3.6	10.3383	0.5	3.6597	1.0	0.2745	0.9	0.88	1564	12	1563	8	1561	9	1561	9	100
MT-14	96	181	160078	1.3	8.8842	0.4	5.0287	1.1	0.3242	1.0	0.92	1810	16	1824	9	1840	8	1840	8	98
MT-14	97	181	1668396	1.2	11.7483	0.5	2.7714	0.8	0.2362	0.6	0.77	1367	8	1348	6	1317	10	1317	10	104
MT-14	98	369	123472	1.4	13.3074	0.4	1.9549	0.8	0.1888	0.7	0.84	1115	7	1100	6	1072	9	1072	9	104
MT-14	99	410	354885	9.3	12.1413	0.5	2.4343	0.9	0.2145	0.7	0.82	1253	9	1253	7	1253	10	1253	10	100
MT-14	100	818	1204330	2.5	12.3453	0.4	2.3772	0.9	0.2129	0.8	0.89	1244	9	1236	7	1221	8	1221	8	102
MT-14	101	493	2261835	3.8	8.2826	0.4	5.7385	0.9	0.3449	0.8	0.89	1910	13	1937	8	1966	7	1966	7	97
MT-14	102	81	54231	3.8	12.7998	0.8	2.1415	1.1	0.1989	0.7	0.63	1169	7	1162	7	1149	16	1149	16	102
MT-14	103	154	38299	0.7	11.7328	0.6	2.6378	1.2	0.2246	1.0	0.87	1306	12	1311	9	1320	11	1320	11	99
MT-14	104	841	312341	40.2	10.4149	0.5	3.6331	1.1	0.2745	1.0	0.89	1564	14	1557	9	1547	10	1547	10	101
MT-14	105	149	243078	1.6	12.3931	0.6	2.4156	1.2	0.2172	1.0	0.84	1267	11	1247	8	1213	13	1213	13	104
MT-14	106	242	97328	2.7	13.6444	0.6	1.7611	1.1	0.1743	0.9	0.83	1036	9	1031	7	1021	13	1021	13	101
MT-14	107	132	100290	1.7	11.4066	0.6	2.9588	0.9	0.2449	0.7	0.75	1412	8	1397	7	1374	11	1374	11	103
MT-14	108	176	40584	2.6	12.5082	0.5	2.3624	0.9	0.2144	0.8	0.83	1252	9	1231	7	1195	10	1195	10	105
MT-14	109	178	3773470	3.5	12.6841	0.6	2.2445	1.0	0.2066	0.7	0.75	1211	8	1195	7	1167	13	1167	13	104
MT-14	110	118	21878	1.9	13.2432	0.6	1.9455	0.9	0.1869	0.7	0.78	1105	7	1097	6	1081	11	1081	11	102
MT-14	111	50	34832	1.6	14.2758	0.9	1.5326	1.2	0.1587	0.7	0.64	950	7	944	7	929	18	929	18	102
MT-14	112	113	148072	0.5	11.7336	0.7	2.7164	1.0	0.2313	0.7	0.69	1341	9	1333	8	1320	14	1320	14	102
MT-14	113	126	91731	0.8	12.6119	0.6	2.2677	0.9	0.2075	0.6	0.72	1216	7	1202	6	1179	12	1179	12	103
MT-14	114	236	40867	1.4	12.5000	0.6	2.3593	0.8	0.2140	0.6	0.71	1250	7	1230	6	1196	11	1196	11	105
MT-14	115	984	151529	5.2	11.6078	0.3	2.6962	0.7	0.2271	0.7	0.91	1319	8	1327	5	1341	6	1341	6	98
MT-14	116	210	578631	1.4	12.7837	0.5	2.2146	0.8	0.2054	0.6	0.76	1204	7	1186	6	1152	11	1152	11	105
MT-14	117	308	2288027	2.7	13.5880	0.5	1.7884	0.9	0.1763	0.7	0.78	1047	7	1041	6	1029	11	1029	11	102
MT-14	118	86	49438	1.5	14.1748	0.9	1.5560	1.1	0.1600	0.7	0.61	957	6	953	7	943	18	943	18	101
MT-14	119	57	36129	1.6	12.4508	0.8	2.3202	1.1	0.2096	0.7	0.66	1227	8	1218	8	1204	17	1204	17	102
MT-14	120	889	281689	3.6	12.7362	0.3	2.2059	0.9	0.2039	0.8	0.93	1196	9	1183	6	1159	6	1159	6	103
MT-14	121	52	28049	1.5	12.3452	0.7	2.3744	1.0	0.2127	0.7	0.71	1243	8	1235	7	1221	14	1221	14	102
MT-14	122	160	105322	1.4	13.2379	0.5	1.9185	1.0	0.1843	0.9	0.86	1090	9	1088	7	1082	11	1082	11	101
MT-14	123	56	68489	0.5	13.2699	0.8	1.9430	1.1	0.1871	0.7	0.65	1106	7	1096	7	1077	17	1077	17	103
MT-14	124	149	87539	6.3	12.9041	0.7	2.0435	1.0	0.1913	0.7	0.71	1129	8	1130	7	1133	15	1133	15	100
MT-14	125	385	498157	3.8	13.6412	0.5	1.7837	0.8	0.1765	0.6	0.80	1048	6	1040	5	1022	10	1022	10	103
MT-14	126	208	61802	3.7	13.6924	0.6	1.7374	0.8	0.1726	0.5	0.67	1026	5	1023	5	1014	12	1014	12	101
MT-14	127	351	91336	2.9	11.7504	0.5	2.6339	0.7	0.2246	0.5	0.75	1306	6	1310	5	1317	9	1317	9	99
MT-14	128	389	104493	4.3	12.2255	0.4	2.4502	0.7	0.2174	0.6	0.80	1268	7	1257	5	1240	9	1240	9	102
MT-14	129	128	47677	2.8	11.5378	0.7	2.8718	0.9	0.2404	0.6	0.64	1389	7	1375	7	1352	13	1352	13	103
MT-14	130	240	95630	2.3	12.0831	0.8	2.5339	1.9	0.2222	1.8	0.90	1293	21	1282	14	1263	16	1263	16	102
MT-14	131	183	192048	3.6	12.6070	0.5	2.1855	0.8	0.1999	0.7	0.81	1175	7	1176	6	1179	10	1179	10	100
MT-14	132	164	75641	2.8	12.5779	0.6	2.2526	0.8	0.2056	0.6	0.72	1205	7	1198	6	1184	12	1184	12	102

MT-14	133	1528	2326456	28.8	10.8075	0.4	3.0255	0.8	0.2373	0.8	0.90	1372	9	1414	6	1477	7	1477	7	93
MT-14	134	555	975288	2.7	11.4610	0.5	2.8942	0.7	0.2407	0.6	0.79	1390	7	1380	6	1365	9	1365	9	102
MT-14	135	219	80099	3.3	12.7537	0.5	2.2283	0.8	0.2062	0.7	0.83	1209	8	1190	6	1156	9	1156	9	105
MT-14	136	210	70567	3.8	13.5970	0.5	1.7427	0.8	0.1719	0.6	0.79	1023	6	1024	5	1028	10	1028	10	99
MT-14	137	55	37635	1.9	12.4203	0.8	2.2975	0.9	0.2070	0.5	0.57	1213	6	1212	7	1209	15	1209	15	100
MT-14	138	237	32821	3.9	13.6567	0.5	1.7754	0.9	0.1759	0.7	0.80	1045	7	1036	6	1019	11	1019	11	102
MT-14	139	175	69659	2.9	12.5121	0.7	2.3250	1.0	0.2111	0.7	0.73	1235	8	1220	7	1194	13	1194	13	103
MT-14	140	482	98698	3.2	14.2575	0.5	1.5002	0.9	0.1552	0.8	0.82	930	7	930	6	932	11	932	11	100
MT-14	141	300	30736	1.5	11.7824	0.6	2.2588	1.0	0.1931	0.9	0.84	1138	9	1200	7	1312	11	1312	11	87
MT-14	142	88	62150	3.5	12.8718	0.6	2.1099	0.9	0.1971	0.7	0.77	1159	7	1152	6	1138	11	1138	11	102
MT-14	143	641	102505	1.1	15.2895	0.6	0.9871	0.9	0.1095	0.7	0.79	670	4	697	4	786	12	670	4	85
MT-14	144	178	41002	2.2	12.8557	0.6	2.1472	1.0	0.2003	0.8	0.82	1177	9	1164	7	1141	11	1141	11	103
MT-14	145	220	95338	1.4	11.0075	0.4	3.1299	0.9	0.2500	0.8	0.88	1438	10	1440	7	1443	8	1443	8	100
MT-14	146	157	34193	2.8	11.7604	0.4	2.7417	0.7	0.2340	0.6	0.82	1355	7	1340	5	1315	8	1315	8	103
MT-14	147	77	58705	2.0	9.4379	0.5	4.5758	2.6	0.3134	2.5	0.98	1757	39	1745	21	1730	10	1730	10	102
MT-14	148	70	12033	1.0	13.4305	0.8	1.8789	1.2	0.1831	0.8	0.70	1084	8	1074	8	1053	17	1053	17	103
MT-14	149	421	2246346	1.2	11.6417	0.5	2.7429	0.9	0.2317	0.8	0.87	1343	10	1340	7	1335	9	1335	9	101
MT-14	150	219	222762	5.3	13.1641	0.6	1.9386	0.9	0.1852	0.7	0.75	1095	7	1095	6	1093	13	1093	13	100
MT-14	151	325	149278	2.5	9.7047	0.4	4.2041	0.9	0.2960	0.8	0.89	1672	12	1675	8	1679	8	1679	8	100
MT-14	152	182	262606	3.3	12.6253	0.7	2.1538	1.0	0.1973	0.7	0.73	1161	8	1166	7	1176	13	1176	13	99
MT-14	153	898	215206	4.0	10.5874	0.3	3.3749	0.9	0.2593	0.9	0.95	1486	11	1499	7	1516	6	1516	6	98
MT-14	154	82	182183	0.6	10.5143	0.6	3.5507	1.0	0.2709	0.8	0.78	1545	11	1539	8	1529	12	1529	12	101
MT-14	155	466	110064	4.0	13.2034	0.5	1.8856	0.8	0.1806	0.7	0.82	1070	7	1076	6	1087	10	1087	10	98
MT-14	156	168	43549	2.1	12.0049	0.5	2.4125	0.9	0.2101	0.8	0.84	1230	9	1246	7	1275	10	1275	10	96
MT-14	157	56	39030	2.7	13.5653	1.0	1.7881	1.2	0.1760	0.8	0.63	1045	8	1041	8	1033	19	1033	19	101
MT-14	158	29	19250	3.0	12.4994	1.0	2.2756	1.3	0.2064	0.9	0.66	1210	10	1205	9	1196	20	1196	20	101
MT-14	159	226	126663	2.1	9.5909	0.5	4.2442	0.9	0.2954	0.7	0.81	1668	11	1683	7	1701	10	1701	10	98
MT-14	160	130	86733	2.4	14.2488	0.7	1.5272	1.1	0.1579	0.8	0.77	945	7	941	7	933	14	933	14	101
MT-14	161	244	74719	1.7	13.1951	0.5	1.8827	0.8	0.1803	0.7	0.83	1068	7	1075	5	1089	9	1089	9	98
MT-14	162	140	32934	1.2	9.0927	1.1	4.7591	1.4	0.3140	1.0	0.68	1760	15	1778	12	1798	19	1798	19	98
MT-14	163	209	252625	4.1	12.9346	0.6	1.8574	1.6	0.1743	1.4	0.92	1036	14	1066	10	1128	12	1128	12	92
MT-14	164	231	65635	2.6	12.4042	0.7	2.2737	1.2	0.2046	1.0	0.85	1200	11	1204	9	1211	13	1211	13	99
MT-14	165	29	9741	2.8	12.2584	1.4	2.4088	1.6	0.2143	0.9	0.53	1251	10	1245	12	1235	27	1235	27	101
MT-14	166	402	492993	2.1	11.0801	0.4	3.0232	0.8	0.2430	0.7	0.85	1403	9	1413	6	1430	8	1430	8	98
MT-14	167	86	210767	1.7	9.2552	0.5	4.8216	1.0	0.3238	0.8	0.84	1808	13	1789	8	1766	10	1766	10	102
MT-14	168	137	55778	2.3	12.4764	0.5	2.1641	1.0	0.1959	0.9	0.85	1153	9	1170	7	1200	11	1200	11	96
MT-14	169	231	79670	0.7	12.2788	0.6	2.3319	0.9	0.2078	0.7	0.79	1217	8	1222	7	1231	11	1231	11	99
MT-14	170	334	219888	1.2	8.6676	0.3	5.4716	0.7	0.3441	0.6	0.89	1906	11	1896	6	1885	6	1885	6	101
MT-14	171	103	193042	1.2	10.1336	0.6	3.7850	0.8	0.2783	0.6	0.76	1583	9	1590	7	1599	10	1599	10	99
MT-14	172	337	251839	1.2	9.5248	0.5	4.3474	0.9	0.3004	0.8	0.85	1694	12	1702	8	1713	9	1713	9	99
MT-14	173	135	94936	2.4	12.3096	0.6	2.3527	0.9	0.2101	0.7	0.72	1230	7	1228	6	1226	12	1226	12	100
MT-14	174	112	2149632	1.7	11.6581	0.7	2.7071	1.1	0.2290	0.8	0.77	1329	10	1330	8	1332	13	1332	13	100
MT-14	175	106	71228	2.8	14.3526	1.0	1.4749	1.5	0.1536	1.1	0.75	921	9	920	9	918	20	918	20	100
MT-14	176	345	242775	1.5	10.3471	0.4	3.6347	0.7	0.2729	0.6	0.84	1555	9	1557	6	1560	7	1560	7	100
MT-14	177	158	61682	2.6	12.3230	0.7	2.3583	1.1	0.2109	0.9	0.80	1233	10	1230	8	1224	13	1224	13	101
MT-14	178	31	5044	1.3	11.6285	0.9	2.7283	1.2	0.2302	0.8	0.64	1336	9	1336	9	1337	18	1337	18	100
MT-14	179	315	493725	1.5	9.4771	0.5	4.4346	0.8	0.3049	0.6	0.76	1716	9	1719	6	1723	9	1723	9	100
MT-14	180	377	115723	6.0	12.2750	0.6	2.3304	0.9	0.2076	0.7	0.79	1216	8	1222	6	1232	11	1232	11	99
MT-14	181	456	228145	1.6	12.3705	0.5	2.3323	0.9	0.2093	0.7	0.84	1225	8	1222	6	1217	9	1217	9	101
MT-14	182	335	174225	3.7	12.7143	0.6	2.1543	0.8	0.1987	0.5	0.65	1169	6	1166	6	1162	12	1162	12	101
MT-14	183	196	72701	2.0	12.9022	0.6	2.0156	1.0	0.1887	0.8	0.80	1114	8	1121	7	1133	12	1133	12	98
MT-14	184	240	62581	1.9	12.3962	0.4	2.3175	0.7	0.2084	0.6	0.81	1221	7	1218	5	1213	8	1213	8	101
MT-14	185	376	192565	3.5	11.5317	0.5	2.7429	0.9	0.2295	0.7	0.81	1332	9	1340	7	1353	10	1353	10	98
MT-14	186	213	50235	2.5	12.6697	0.8	2.1987	1.2	0.2021	0.9	0.76	1187	9	1181	8	1169	15	1169	15	101
MT-14	187	299	80478	9.4	13.6651	0.6	1.7188	1.0	0.1704	0.8	0.79	1014	7	1016	6	1018	12	1018	12	100
MT-14	188	165	87790	1.0	11.7755	0.5	2.6448	1.2	0.2260	1.1	0.92	1313	13	1313	9	1313	10	1313	10	100
MT-14	189	74	21974	1.1	12.4146	0.7	2.2829	1.1	0.2056	0.8	0.75	1206	9	1207	8	1210	14	1210	14	100
MT-14	190	97	93547	1.5	9.1774	0.7	4.7225	1.1	0.3145	0.9	0.78	1763	13	1771	9	1781	13	1781	13	99
MT-14	191	374	176915	3.7	12.6081	0.6	2.1708	0.9	0.1986	0.7	0.76	1168	8	1172	7	1179	12	1179	12	99
MT-14	192	445	122694	5.9	12.6835	0.6	2.1840	0.9	0.2010	0.7	0.78	1181	8	1176	6	1167	11	1167	11	101
MT-14	193	593	1409920	35.7	13.6631	0.6	1.7170	1.0	0.1702	0.8	0.80	1013	7	1015	6	1018	12	1018	12	100
MT-14	194	190	100351	1.0	9.3258	0.6	4.6491	1.0	0.3146	0.8	0.80	1763	13	1758	9	1752	11	1752	11	101
MT-14	195	145	40424	3.3	10.9374	0.6	3.1171	1.0	0.2474	0.8	0.79	1425	10	1437	7	1455	11	1455	11	98
MT-14	196	953	653956	161.6	13.9125	0.5	1.6349	1.0	0.1650	0.9	0.87	985	8	984	6	982	10	982	10	100
MT-14	197	84	15942	1.4	12.9277	0.9	2.0107	1.2	0.1886	0.8	0.68	1114	8	1119	8	1129	17	1129	17	99
MT-14	198	88	36428	2.6	14.1488	0.8	1.5396	1.1	0.1581	0.8	0.68	946	7	946	7	947	17	947	17	100
MT-14	199	731	130761	4.1	12.5862	0.5	2.1771	0.9	0.1988	0.8	0.86	1169	9	1174	7	1183	9	1183	9	99

MT-14	200	674	120013	9.1	12.2603	0.4	2.4411	0.7	0.2172	0.7	0.88	1267	7	1255	5	1234	7	1234	7	103
MT-14	201	72	12102	3.4	12.4072	0.9	2.3149	1.2	0.2084	0.8	0.68	1220	9	1217	9	1211	18	1211	18	101
MT-14	202	1155	633866	2.9	12.4612	0.4	2.1450	0.9	0.1939	0.8	0.89	1143	9	1163	6	1202	8	1202	8	95
MT-14	203	743	395575	6.1	12.2228	0.5	2.3975	1.1	0.2126	0.9	0.87	1243	11	1242	8	1240	10	1240	10	100
MT-14	204	239	1159467	4.7	12.5141	0.6	2.2206	0.9	0.2016	0.7	0.77	1184	7	1188	6	1194	11	1194	11	99
MT-14	205	194	110493	3.7	12.3488	0.6	2.3851	1.0	0.2137	0.8	0.79	1249	9	1238	7	1220	12	1220	12	102
MT-14	206	776	246321	2.4	10.3390	0.6	3.6463	1.1	0.2735	0.9	0.86	1559	13	1560	9	1561	10	1561	10	100
MT-14	207	24	18082	4.2	13.9217	1.2	1.6963	1.6	0.1714	1.0	0.66	1020	10	1007	10	980	24	980	24	104
MT-14	208	68	154047	1.4	12.0793	0.9	2.5512	1.3	0.2236	0.9	0.69	1301	10	1287	9	1263	18	1263	18	103
MT-14	209	191	109711	3.9	12.9105	0.7	1.9276	1.0	0.1806	0.7	0.72	1070	7	1091	7	1132	14	1132	14	95
MT-14	210	725	296976	2.6	12.2905	0.5	2.3131	0.9	0.2063	0.8	0.84	1209	9	1216	7	1229	10	1229	10	98
MT-14	211	110	26301	1.9	13.2206	0.7	1.9340	1.0	0.1855	0.6	0.66	1097	6	1093	6	1085	15	1085	15	101
MT-14	212	183	361269	2.6	9.3067	0.6	4.7031	1.0	0.3176	0.8	0.78	1778	12	1768	9	1756	12	1756	12	101
MT-14	213	112	67833	1.9	14.2499	0.7	1.5293	1.0	0.1581	0.7	0.72	946	6	942	6	933	14	933	14	101
MT-14	214	153	117165	1.7	12.2659	0.5	2.4156	0.9	0.2150	0.8	0.84	1255	9	1247	7	1233	10	1233	10	102
MT-14	215	230	132793	2.6	12.2697	0.3	2.3724	0.7	0.2112	0.6	0.87	1235	7	1234	5	1233	7	1233	7	100
MT-14	216	216	107774	1.0	9.6209	0.5	4.2874	0.8	0.2993	0.7	0.82	1688	10	1691	7	1695	8	1695	8	100
MT-14	217	598	693472	4.0	12.7121	0.5	2.1855	1.0	0.2016	0.8	0.87	1184	9	1176	7	1163	10	1163	10	102
MT-14	218	225	179922	3.7	13.7419	0.5	1.6797	0.9	0.1675	0.8	0.82	998	7	1001	6	1007	11	1007	11	99
MT-14	219	184	98697	3.5	12.3828	0.5	2.3557	0.8	0.2117	0.6	0.78	1238	7	1229	6	1215	10	1215	10	102
MT-14	220	150	36253	2.0	12.6423	0.6	2.0648	1.0	0.1894	0.8	0.82	1118	9	1137	7	1174	12	1174	12	95
MT-14	221	60	15354	2.8	14.0110	1.4	1.5196	1.7	0.1545	0.9	0.54	926	8	938	10	967	29	967	29	96
MT-14	222	152	96946	2.6	10.6172	0.6	3.4568	0.9	0.2663	0.6	0.74	1522	9	1517	7	1511	11	1511	11	101
MT-14	223	196	117409	2.0	12.1956	0.6	2.5097	1.1	0.2221	0.9	0.82	1293	10	1275	8	1245	12	1245	12	104
MT-14	224	159	188625	2.5	11.7751	0.6	2.5041	1.0	0.2139	0.8	0.78	1250	9	1273	7	1313	12	1313	12	95
MT-14	225	362	795254	5.1	12.6504	0.5	2.1851	0.9	0.2006	0.8	0.82	1178	8	1176	7	1173	11	1173	11	100
MT-14	226	216	58973	2.9	11.5077	0.6	2.7446	0.9	0.2292	0.7	0.76	1330	8	1341	7	1357	11	1357	11	98
MT-14	227	163	27649	1.4	12.3463	0.7	2.1473	1.1	0.1924	0.8	0.76	1134	8	1164	7	1220	13	1220	13	93
MT-14	228	121	56485	1.7	12.5437	0.6	2.2299	0.9	0.2030	0.7	0.76	1191	8	1190	7	1189	12	1189	12	100
MT-14	229	513	262052	6.2	10.5214	0.3	3.5273	0.7	0.2693	0.7	0.89	1537	9	1533	6	1528	6	1528	6	101
MT-14	230	48	15486	1.8	13.0008	1.1	2.0974	1.3	0.1979	0.7	0.54	1164	7	1148	9	1118	22	1118	22	104
MT-14	231	109	15196	2.0	13.8321	0.9	1.6810	1.2	0.1687	0.8	0.68	1005	7	1001	7	993	17	993	17	101
MT-14	232	394	481907	2.8	14.1493	0.5	1.5629	0.8	0.1605	0.7	0.83	959	6	956	5	947	9	947	9	101
MT-14	233	171	98707	4.0	10.9554	0.6	3.2194	0.9	0.2559	0.7	0.78	1469	10	1462	7	1452	11	1452	11	101
MT-14	234	403	106213	0.8	13.3216	0.4	1.8782	0.8	0.1815	0.7	0.84	1075	7	1073	6	1069	9	1069	9	101
MT-14	235	337	136693	2.3	10.7604	0.5	3.2793	0.9	0.2560	0.7	0.85	1470	10	1476	7	1486	9	1486	9	99
MT-14	236	312	97242	4.2	11.0291	0.4	3.1034	0.7	0.2483	0.5	0.76	1430	6	1434	5	1439	8	1439	8	99
MT-14	237	324	153218	0.9	11.5957	0.4	2.7424	0.7	0.2307	0.6	0.80	1338	7	1340	5	1343	8	1343	8	100
MT-14	238	153	127862	2.0	12.4523	0.6	2.3321	0.8	0.2107	0.6	0.72	1233	7	1222	6	1204	11	1204	11	102
MT-14	239	268	271188	4.2	11.9651	0.5	2.5135	0.9	0.2182	0.7	0.79	1272	8	1276	6	1282	10	1282	10	99
MT-14	240	87	30954	3.8	14.5079	0.9	1.4608	1.2	0.1538	0.7	0.61	922	6	914	7	896	19	896	19	103
MT-14	241	258	152193	3.5	12.7738	0.6	2.1770	0.9	0.2018	0.6	0.75	1185	7	1174	6	1153	11	1153	11	103
MT-14	242	198	84907	0.6	11.6541	0.8	2.7004	1.2	0.2283	1.0	0.79	1326	12	1329	9	1333	15	1333	15	99
MT-14	243	245	104670	3.5	12.3738	0.5	2.3304	0.9	0.2092	0.7	0.81	1225	8	1222	7	1216	11	1216	11	101
MT-14	244	102	19400	0.8	13.7856	0.7	1.6914	1.0	0.1692	0.6	0.65	1008	6	1005	6	1000	15	1000	15	101
MT-14	245	160	37325	1.6	13.2871	0.7	1.9685	1.1	0.1898	0.8	0.75	1120	8	1105	7	1075	14	1075	14	104
MT-14	246	232	182798	3.7	11.8828	0.5	2.6228	1.2	0.2261	1.0	0.88	1314	12	1307	9	1295	11	1295	11	101

MT-15	Grain	U	206Pb	U/Th	206Pb*	±	207Pb*	±	206Pb*	±	error	206Pb*	±	207Pb*	±	206Pb*	±	Best age	±	Conc
Sample	No.	(ppm)	204Pb		207Pb*	(%)	235U*	(%)	238U	(%)	corr.	238U*		235U		207Pb*		(Ma)		(%)
MT-15	1	194	118225	2.3	11.3115	0.7	2.9279	1.4	0.2403	1.2	0.87	1388	15	1389	10	1390	13	1390	13	100
MT-15	2	223	125897	1.2	11.8227	0.7	2.6647	1.3	0.2286	1.0	0.81	1327	12	1319	9	1305	14	1305	14	102
MT-15	3	130	238672	2.4	11.3829	0.7	2.7944	1.3	0.2308	1.1	0.83	1339	13	1354	10	1378	14	1378	14	97
MT-15	4	111	117507	2.2	12.2196	1.0	2.3952	1.5	0.2124	1.0	0.72	1241	12	1241	10	1241	20	1241	20	100
MT-15	5	53	34447	2.5	10.8008	1.0	3.0726	1.4	0.2408	1.0	0.71	1391	12	1426	11	1479	18	1479	18	94
MT-15	6	312	408040	0.6	12.1507	0.8	2.4089	1.3	0.2124	1.0	0.80	1241	11	1245	9	1252	15	1252	15	99
MT-15	7	73	121101	2.4	11.6742	1.0	2.6628	1.5	0.2256	1.1	0.73	1311	13	1318	11	1330	20	1330	20	99
MT-15	8	388	504115	2.4	11.2467	1.0	2.8653	1.5	0.2338	1.2	0.77	1355	14	1373	11	1401	19	1401	19	97
MT-15	9	253	324183	2.3	12.0729	0.8	2.3848	1.1	0.2089	0.8	0.73	1223	9	1238	8	1264	15	1264	15	97
MT-15	10	80	87420	4.6	11.7273	1.1	2.7191	1.6	0.2314	1.2	0.75	1342	15	1334	12	1321	21	1321	21	102
MT-15	11	184	159943	2.4	12.1039	0.7	2.3966	1.1	0.2105	0.8	0.75	1231	9	1242	8	1259	13	1259	13	98
MT-15	12	158	234656	2.8	11.0453	0.8	3.0821	1.3	0.2470	1.1	0.79	1423	14	1428	10	1436	15	1436	15	99
MT-15	13	369	247504	2.3	11.0798	0.6	3.0297	1.1	0.2436	0.9	0.83	1405	12	1415	9	1430	12	1430	12	98
MT-15	14	287	399039	0.9	11.7863	0.9	2.6096	1.3	0.2232	0.9	0.74	1299	11	1303	9	1311	17	1311	17	99
MT-15	15	268	1057441	2.3	10.6578	0.6	3.3902	1.2	0.2622	1.0	0.83	1501	13	1502	9	1504	12	1504	12	100
MT-15	16	140	189725	1.2	9.1732	0.8	4.7045	1.3	0.3131	1.0	0.80	1756	15	1768	10	1782	14	1782	14	99
MT-15	17	470	289049	1.0	9.5322	0.7	3.9393	1.2	0.2725	1.0	0.82	1553	13	1622	10	1712	13	1712	13	91
MT-15	18	129	162080	2.0	11.6469	0.7	2.5894	1.1	0.2188	0.9	0.79	1276	10	1298	8	1334	13	1334	13	96
MT-15	19	214	253052	3.4	12.7131	0.8	2.0991	1.3	0.1936	1.0	0.77	1141	10	1149	9	1163	16	1163	16	98
MT-15	20	273	317641	14.5	10.9396	0.7	3.1311	1.3	0.2485	1.1	0.84	1431	14	1440	10	1454	13	1454	13	98
MT-15	21	290	184953	1.8	12.1116	0.7	2.4058	1.2	0.2114	1.0	0.83	1236	11	1244	9	1258	13	1258	13	98
MT-15	22	15	8598	1.7	11.1209	1.5	3.0192	2.0	0.2436	1.3	0.64	1405	16	1412	15	1423	29	1423	29	99
MT-15	23	86	134271	2.5	10.8732	1.0	3.2900	1.4	0.2596	1.1	0.74	1488	14	1479	11	1466	18	1466	18	101
MT-15	24	244	289015	2.6	12.1544	0.7	2.4338	1.3	0.2146	1.1	0.83	1253	12	1253	9	1251	14	1251	14	100
MT-15	25	269	550467	3.0	10.9379	0.6	3.1670	1.2	0.2513	1.0	0.85	1445	13	1449	9	1455	12	1455	12	99
MT-15	26	271	185146	1.8	10.7824	0.6	3.1072	1.2	0.2431	1.1	0.87	1403	14	1434	10	1482	12	1482	12	95
MT-15	27	97	4523145	3.6	10.9465	0.9	3.0961	1.4	0.2459	1.1	0.78	1417	14	1432	11	1453	16	1453	16	98
MT-15	28	302	323302	10.8	12.1244	0.7	2.4791	1.3	0.2181	1.0	0.83	1272	12	1266	9	1256	14	1256	14	101
MT-15	29	235	297082	3.8	11.0703	0.8	3.1051	1.3	0.2494	1.0	0.78	1435	13	1434	10	1432	16	1432	16	100
MT-15	30	128	285745	1.8	11.6867	0.8	2.5741	1.3	0.2183	1.0	0.77	1273	12	1293	9	1328	16	1328	16	96
MT-15	31	307	8333857	1.7	11.4051	0.6	2.8253	1.1	0.2338	0.9	0.83	1354	11	1362	8	1375	12	1375	12	99
MT-15	32	180	133964	2.1	11.5107	0.7	2.7313	1.1	0.2281	0.8	0.77	1325	10	1337	8	1357	13	1357	13	98
MT-15	33	345	29352114	3.2	11.1227	0.6	3.1026	1.2	0.2504	1.1	0.89	1441	14	1433	9	1423	11	1423	11	101
MT-15	34	519	92688	1.8	11.5550	0.8	2.2854	1.4	0.1916	1.2	0.83	1130	12	1208	10	1349	15	1349	15	84
MT-15	35	471	169841	14.1	11.5092	0.6	2.8076	1.0	0.2345	0.8	0.80	1358	10	1358	7	1357	11	1357	11	100
MT-15	36	67	186581	1.7	11.7644	0.8	2.5914	1.3	0.2212	1.0	0.81	1288	12	1298	9	1315	15	1315	15	98
MT-15	37	305	609165	3.4	10.6074	0.6	3.4831	1.2	0.2681	1.1	0.86	1531	15	1523	10	1513	12	1513	12	101
MT-15	38	360	36741	0.6	10.3756	1.5	2.9391	1.9	0.2213	1.2	0.63	1289	14	1392	15	1554	28	1554	28	83
MT-15	39	121	1163218	1.0	8.6502	0.8	5.2491	1.2	0.3295	1.0	0.79	1836	16	1861	10	1889	14	1889	14	97
MT-15	40	254	255647	1.4	10.9349	0.7	3.1441	1.1	0.2495	0.9	0.82	1436	12	1444	9	1455	12	1455	12	99
MT-15	41	266	349563	1.7	11.0243	0.8	3.0619	1.1	0.2449	0.8	0.73	1412	10	1423	9	1440	15	1440	15	98
MT-15	42	297	265285	1.4	10.5805	0.7	3.2010	1.3	0.2457	1.1	0.84	1416	14	1457	10	1518	13	1518	13	93
MT-15	43	123	314826	0.8	10.8382	0.9	3.1027	1.2	0.2440	0.9	0.72	1407	11	1433	10	1472	16	1472	16	96
MT-15	44	472	5287695	1.6	11.4427	0.6	2.7332	1.1	0.2269	0.9	0.83	1318	10	1338	8	1368	11	1368	11	96
MT-15	45	291	407427	3.4	11.0028	0.7	3.0348	1.2	0.2423	0.9	0.78	1399	12	1416	9	1443	14	1443	14	97
MT-15	46	471	856853	1.1	11.4283	0.7	2.8474	1.2	0.2361	0.9	0.78	1366	11	1368	9	1371	14	1371	14	100
MT-15	47	353	459526	1.3	9.0840	0.6	4.9118	1.1	0.3237	0.9	0.82	1808	14	1804	9	1800	11	1800	11	100
MT-15	48	415	1635596	1.9	11.7060	0.5	2.7089	1.1	0.2301	0.9	0.87	1335	11	1331	8	1324	10	1324	10	101
MT-15	49	246	15811051	2.4	9.3015	0.7	4.7505	1.4	0.3206	1.2	0.88	1793	19	1776	12	1757	12	1757	12	102
MT-15	50	119	97950	1.4	12.2735	0.9	2.3645	1.3	0.2106	1.0	0.76	1232	11	1232	9	1232	17	1232	17	100
MT-15	51	333	755328	2.1	12.8339	0.7	2.0346	1.2	0.1895	1.0	0.80	1118	10	1127	8	1144	15	1144	15	98
MT-15	52	34	112419	1.5	10.9873	1.2	2.8764	1.7	0.2293	1.1	0.67	1331	13	1376	13	1446	24	1446	24	92
MT-15	53	227	224166	1.8	11.9743	0.8	2.5712	1.2	0.2234	0.9	0.74	1300	11	1292	9	1280	16	1280	16	102
MT-15	54	276	779905	2.9	11.0283	0.7	3.1297	1.4	0.2504	1.2	0.86	1441	15	1440	10	1439	13	1439	13	100
MT-15	55	398	193812	2.8	12.6174	0.7	2.1012	1.2	0.1924	1.0	0.81	1134	10	1149	8	1178	14	1178	14	96
MT-15	56	90	58786	2.4	11.8312	0.9	2.5400	1.3	0.2180	1.0	0.74	1272	11	1284	9	1304	17	1304	17	98
MT-15	57	65	45821	1.7	11.8883	1.0	2.5477	1.3	0.2198	0.9	0.65	1281	10	1286	10	1294	20	1294	20	99
MT-15	58	180	1151622	3.5	12.3347	0.8	2.3912	1.3	0.2140	1.0	0.80	1250	11	1240	9	1222	15	1222	15	102
MT-15	59	115	183068	1.9	11.5660	0.9	2.7225	1.3	0.2285	0.9	0.73	1327	11	1335	9	1348	17	1348	17	98
MT-15	60	66	115870	2.0	11.9001	1.0	2.5431	1.5	0.2196	1.1	0.74	1280	13	1284	11	1292	19	1292	19	99
MT-15	61	314	250150	1.5	11.2046	0.6	3.0054	1.1	0.2443	0.8	0.79	1409	11	1409	8	1409	12	1409	12	100
MT-15	62	110	4454924	1.5	11.4379	0.7	2.7612	1.1	0.2292	0.9	0.81	1330	11	1345	8	1369	13	1369	13	97
MT-15	63	209	147048	3.9	10.5835	0.6	3.4025	1.1	0.2613	0.9	0.82	1496	12	1505	9	1517	12	1517	12	99
MT-15	64	85	140438	1.5	12.2697	0.9	2.3056	1.4	0.2053	1.1	0.79	1204	12	1214	10	1233	17	1233	17	98
MT-15	65	199	276443	2.5	12.0119	0.6	2.4520	1.1	0.2137	0.9	0.84	1249	11	1258	8	1274	12	1274	12	98

MT-15	66	433	492522	0.8	11.7301	0.6	2.5875	1.0	0.2202	0.8	0.81	1283	9	1297	7	1320	11	1320	11	97
MT-15	67	130	276167	1.3	9.3024	0.7	4.5775	1.2	0.3090	1.0	0.84	1736	16	1745	10	1757	12	1757	12	99
MT-15	68	524	1072991	4.0	12.2597	0.7	2.3036	1.1	0.2049	0.9	0.80	1202	10	1213	8	1234	13	1234	13	97
MT-15	69	482	286495	2.4	11.0331	0.7	3.0261	1.2	0.2423	1.0	0.83	1398	13	1414	9	1438	13	1438	13	97
MT-15	70	122	264660	1.8	11.4946	0.8	2.7505	1.2	0.2294	0.9	0.73	1331	11	1342	9	1360	16	1360	16	98
MT-15	71	331	392683	4.8	11.1211	0.7	3.0795	1.1	0.2485	0.9	0.81	1431	12	1428	9	1423	13	1423	13	101
MT-15	72	369	3636585	7.0	12.0472	0.7	2.4087	1.2	0.2106	0.9	0.81	1232	11	1245	8	1269	13	1269	13	97
MT-15	73	116	221498	1.3	11.3602	0.7	2.7416	1.3	0.2260	1.1	0.83	1313	13	1340	10	1382	14	1382	14	95
MT-15	74	222	283647	1.7	11.8361	0.7	2.4810	1.5	0.2131	1.3	0.88	1245	15	1267	11	1303	14	1303	14	96
MT-15	75	68	77526	2.5	10.9198	0.8	2.9645	1.3	0.2349	1.1	0.79	1360	13	1399	10	1458	16	1458	16	93
MT-15	76	163	656597	1.9	10.1638	0.8	3.7333	1.2	0.2753	0.9	0.76	1568	13	1579	10	1593	15	1593	15	98
MT-15	77	102	170686	2.6	10.9432	0.8	3.1837	1.3	0.2528	1.0	0.75	1453	12	1453	10	1454	16	1454	16	100
MT-15	78	242	702598	3.5	12.1283	0.8	2.4333	1.3	0.2141	1.0	0.79	1251	12	1252	10	1255	16	1255	16	100
MT-15	79	565	250651	1.7	11.4360	0.6	2.8421	1.5	0.2358	1.3	0.91	1365	16	1367	11	1369	12	1369	12	100
MT-15	80	491	545879	1.1	11.7849	0.7	2.6611	1.2	0.2276	0.9	0.78	1322	11	1318	9	1311	14	1311	14	101
MT-15	81	399	218715	5.2	10.1789	0.8	3.7566	1.3	0.2775	1.0	0.80	1579	14	1584	10	1590	14	1590	14	99
MT-15	82	134	484955	1.9	11.8501	0.8	2.6213	1.5	0.2254	1.2	0.82	1310	14	1307	11	1301	16	1301	16	101
MT-15	83	396	1613672	3.8	10.9746	0.6	3.1515	1.2	0.2510	1.1	0.88	1443	14	1445	9	1448	11	1448	11	100
MT-15	84	160	383719	3.1	11.1534	0.8	2.9341	1.3	0.2374	1.1	0.82	1373	14	1391	10	1417	14	1417	14	97
MT-15	85	446	164475	2.8	10.7698	0.8	2.9020	1.2	0.2268	1.0	0.78	1318	12	1382	9	1484	15	1484	15	89
MT-15	86	151	494152	3.1	11.0624	0.8	3.0759	1.4	0.2469	1.2	0.84	1422	15	1427	11	1433	15	1433	15	99
MT-15	87	169	227288	1.4	12.2741	0.9	2.3765	1.5	0.2117	1.2	0.80	1238	13	1236	11	1232	17	1232	17	100
MT-15	88	258	328455	1.2	11.6995	0.9	2.6545	1.5	0.2253	1.2	0.82	1310	14	1316	11	1325	17	1325	17	99
MT-15	89	474	368001	2.3	10.2783	0.7	3.5863	1.3	0.2675	1.2	0.85	1528	16	1546	11	1572	13	1572	13	97
MT-15	90	207	1532986	3.9	10.5753	0.9	3.4627	1.3	0.2657	0.9	0.71	1519	12	1519	10	1518	17	1518	17	100
MT-15	91	133	262338	2.2	10.9142	0.8	2.9791	1.5	0.2359	1.3	0.86	1365	16	1402	12	1459	15	1459	15	94
MT-15	92	340	2264419	3.0	10.5114	0.7	3.5165	1.4	0.2682	1.2	0.86	1532	16	1531	11	1530	13	1530	13	100
MT-15	93	135	77833	3.1	12.6429	0.9	2.1221	1.3	0.1947	1.0	0.74	1147	10	1156	9	1174	17	1174	17	98
MT-15	94	153	240639	1.3	11.5224	0.8	2.7327	1.2	0.2285	0.9	0.75	1326	11	1337	9	1355	15	1355	15	98
MT-15	95	139	727048	4.3	11.0271	0.6	3.0636	1.2	0.2451	1.0	0.86	1413	13	1424	9	1439	12	1439	12	98
MT-15	96	234	788408	2.2	11.0697	0.9	3.0760	1.4	0.2471	1.1	0.80	1423	14	1427	11	1432	16	1432	16	99
MT-15	97	199	261355	3.1	10.5147	0.6	3.5315	1.4	0.2694	1.3	0.90	1538	18	1534	11	1529	12	1529	12	101
MT-15	98	350	140799	6.2	10.5998	0.7	3.3390	1.3	0.2568	1.1	0.86	1473	15	1490	10	1514	13	1514	13	97
MT-15	99	596	252248	2.0	10.9860	0.6	3.1625	1.6	0.2521	1.4	0.93	1449	19	1448	12	1446	11	1446	11	100
MT-15	100	487	546738	1.3	8.8000	0.8	4.8014	1.3	0.3066	1.1	0.81	1724	16	1785	11	1858	14	1858	14	93
MT-15	101	390	1275394	2.8	12.1426	0.8	2.2485	1.3	0.1981	1.0	0.80	1165	11	1196	9	1253	16	1253	16	93
MT-15	102	116	489486	3.1	10.6829	0.9	3.3061	1.4	0.2563	1.1	0.76	1471	14	1483	11	1499	18	1499	18	98
MT-15	103	226	1255536	1.7	11.7576	0.9	2.6349	1.5	0.2248	1.2	0.79	1307	14	1310	11	1316	18	1316	18	99
MT-15	104	325	1398866	2.6	11.0910	0.7	3.0155	1.5	0.2427	1.4	0.89	1401	17	1412	12	1428	13	1428	13	98
MT-15	105	154	202702	4.9	10.6307	1.2	3.2174	1.7	0.2482	1.1	0.67	1429	14	1461	13	1509	23	1509	23	95
MT-15	106	83	79110	1.7	11.3019	1.2	2.8724	1.8	0.2355	1.3	0.75	1364	16	1375	13	1392	23	1392	23	98
MT-15	107	357	154654	1.6	11.7206	0.8	2.6109	1.6	0.2220	1.3	0.85	1293	16	1304	11	1322	16	1322	16	98
MT-15	108	139	473479	2.7	11.2213	0.9	2.9537	1.3	0.2405	1.0	0.75	1389	12	1396	10	1406	16	1406	16	99
MT-15	109	647	2116215	2.5	11.2613	0.9	2.8461	1.5	0.2326	1.3	0.82	1348	15	1368	12	1399	17	1399	17	96
MT-15	110	539	114310	3.6	10.5148	0.8	2.8372	1.7	0.2165	1.5	0.87	1263	17	1365	13	1529	16	1529	16	83
MT-15	111	284	4780449	1.5	8.9749	1.0	4.9808	1.8	0.3244	1.5	0.83	1811	23	1816	15	1822	18	1822	18	99
MT-15	112	231	191193	1.0	11.7763	0.7	2.6180	1.5	0.2237	1.3	0.87	1301	15	1306	11	1313	14	1313	14	99
MT-15	113	113	178166	1.5	11.9928	1.1	2.4012	1.7	0.2089	1.3	0.78	1223	15	1243	12	1277	21	1277	21	96
MT-15	114	165	167730	1.6	11.3509	1.2	2.8428	1.8	0.2341	1.4	0.76	1356	17	1367	14	1384	23	1384	23	98
MT-15	115	166	84056	4.1	10.5118	0.9	3.4178	1.8	0.2607	1.5	0.86	1493	20	1509	14	1530	17	1530	17	98
MT-15	116	286	230637	3.1	11.3967	0.9	2.7802	1.6	0.2299	1.3	0.81	1334	15	1350	12	1376	18	1376	18	97
MT-15	117	304	140898	2.3	11.3291	1.1	2.8019	1.9	0.2303	1.6	0.81	1336	19	1356	14	1387	22	1387	22	96
MT-15	118	211	1105427	2.1	11.7152	1.0	2.5869	1.9	0.2199	1.6	0.84	1281	19	1297	14	1323	20	1323	20	97
MT-15	119	308	242612	4.6	12.0872	0.8	2.4125	1.3	0.2116	1.0	0.78	1237	11	1246	9	1262	16	1262	16	98
MT-15	120	197	317092	1.2	11.3365	0.6	2.9124	1.2	0.2396	1.0	0.87	1384	13	1385	9	1386	11	1386	11	100
MT-15	121	73	1576953	1.8	11.0895	1.1	2.9365	1.9	0.2363	1.6	0.83	1367	20	1391	15	1428	21	1428	21	96
MT-15	122	100	294896	3.4	10.9902	1.1	3.0979	1.7	0.2470	1.3	0.75	1423	16	1432	13	1446	22	1446	22	98
MT-15	123	197	1370954	3.5	10.9898	1.0	3.1371	1.7	0.2502	1.4	0.81	1439	18	1442	13	1446	20	1446	20	100
MT-15	124	147	294222	2.2	11.0375	1.2	3.0118	1.8	0.2412	1.3	0.75	1393	17	1411	13	1437	22	1437	22	97
MT-15	125	201	180061	1.5	11.7882	0.7	2.6582	1.3	0.2274	1.1	0.85	1321	13	1317	10	1311	14	1311	14	101
MT-15	126	248	1643934	0.7	11.9957	1.0	2.2297	1.7	0.1941	1.3	0.79	1143	14	1190	12	1277	20	1277	20	90
MT-15	127	217	364535	2.9	11.3757	0.8	2.8448	1.8	0.2348	1.6	0.89	1360	20	1367	14	1380	16	1380	16	99
MT-15	128	533	559718	1.6	10.4476	1.0	3.4857	1.9	0.2642	1.6	0.85	1511	22	1524	15	1541	19	1541	19	98
MT-15	129	320	3391025	2.6	10.8477	0.9	3.2405	1.9	0.2551	1.7	0.87	1464	22	1467	15	1470	18	1470	18	100
MT-15	130	245	359452	3.7	12.2179	0.9	2.5148	1.5	0.2229	1.3	0.81	1297	15	1276	11	1241	18	1241	18	105
MT-15	131	450	439825	1.9	10.6625	0.8	2.8185	2.3	0.2181	2.1	0.94	1272	25	1360	17	1503	15	1503	15	85
MT-15	132	142	123668	3.1	12.1232	1.1	2.4091	1.7	0.2119	1.3	0.77	1239	15	1245	12	1256	22	1256	22	99

MT-15	133	46	125422	2.9	10.8436	1.1	3.0964	1.7	0.2436	1.3	0.78	1405	17	1432	13	1471	20	1471	20	96
MT-15	134	168	855827	5.0	11.0115	1.1	3.0809	1.8	0.2462	1.4	0.81	1419	18	1428	14	1442	20	1442	20	98
MT-15	135	317	238603	3.4	10.5461	0.9	3.2330	2.0	0.2474	1.8	0.89	1425	23	1465	16	1524	17	1524	17	94
MT-15	136	291	244611	4.6	12.1441	1.1	2.3733	1.8	0.2091	1.4	0.79	1224	16	1235	13	1253	22	1253	22	98
MT-15	137	149	246704	2.2	11.7972	0.9	2.5354	1.6	0.2170	1.3	0.82	1266	15	1282	11	1309	17	1309	17	97
MT-15	138	96	106799	2.2	11.1339	1.1	3.1052	1.9	0.2509	1.5	0.81	1443	20	1434	15	1421	21	1421	21	102
MT-15	139	81	1538606	2.2	11.0528	1.0	3.0065	1.8	0.2411	1.5	0.83	1392	19	1409	14	1435	20	1435	20	97
MT-15	140	223	145293	1.7	10.9230	0.9	3.0642	2.0	0.2429	1.8	0.88	1401	22	1424	15	1457	18	1457	18	96
MT-15	141	544	180914	1.4	11.5567	1.1	2.2328	2.9	0.1872	2.6	0.92	1106	27	1191	20	1349	22	1349	22	82
MT-15	142	240	781711	3.1	10.6960	0.9	3.4494	1.3	0.2677	1.0	0.75	1529	14	1516	10	1497	16	1497	16	102
MT-15	143	169	131486	1.0	11.7066	1.0	2.7720	1.8	0.2355	1.4	0.81	1363	17	1348	13	1324	20	1324	20	103
MT-15	144	320	164673	3.5	12.0833	0.9	2.4439	1.6	0.2143	1.3	0.81	1252	15	1256	11	1263	18	1263	18	99
MT-15	145	172	352334	1.4	10.6586	0.9	3.2462	1.6	0.2511	1.4	0.83	1444	18	1468	13	1504	18	1504	18	96
MT-15	146	436	252235	7.5	10.9584	0.6	3.0380	1.2	0.2416	1.1	0.86	1395	14	1417	10	1451	12	1451	12	96
MT-15	147	122	497915	4.4	11.1505	0.9	2.9284	1.6	0.2369	1.4	0.84	1371	17	1389	12	1418	17	1418	17	97
MT-15	148	547	790378	1.7	11.4321	0.8	2.6976	1.5	0.2238	1.2	0.83	1302	15	1328	11	1370	16	1370	16	95
MT-15	149	230	102124	2.8	12.0660	0.8	2.3844	1.5	0.2087	1.3	0.85	1222	14	1238	11	1265	15	1265	15	97
MT-15	150	150	1121451	1.8	11.2590	0.8	2.9172	1.6	0.2383	1.3	0.85	1378	17	1386	12	1399	16	1399	16	98
MT-15	151	137	161527	1.3	11.3391	1.2	2.8497	1.8	0.2345	1.3	0.75	1358	16	1369	13	1386	22	1386	22	98
MT-15	152	247	111804	1.3	11.3463	1.0	2.8618	1.6	0.2356	1.2	0.78	1364	15	1372	12	1385	19	1385	19	99
MT-15	153	245	856281	2.7	11.4449	0.9	2.7902	1.6	0.2317	1.3	0.83	1343	16	1353	12	1368	17	1368	17	98
MT-15	154	299	262504	2.6	10.4438	0.6	3.4696	1.2	0.2629	1.0	0.85	1505	14	1520	10	1542	12	1542	12	98
MT-15	155	343	174783	3.2	11.0155	1.0	3.1149	1.6	0.2490	1.3	0.81	1433	17	1436	12	1441	18	1441	18	99
MT-15	156	72	228087	2.9	10.4324	1.1	3.3371	1.8	0.2526	1.4	0.77	1452	18	1490	14	1544	22	1544	22	94
MT-15	157	107	256231	0.7	11.8113	1.0	2.6989	1.6	0.2313	1.3	0.78	1341	16	1328	12	1307	20	1307	20	103
MT-15	158	178	103793	1.7	11.8110	1.1	2.6152	1.7	0.2241	1.3	0.77	1304	15	1305	12	1307	21	1307	21	100
MT-15	159	357	139870	2.0	10.7792	0.8	3.0684	1.6	0.2400	1.4	0.86	1387	18	1425	13	1482	16	1482	16	94
MT-15	160	163	1581073	1.9	11.0660	1.0	3.0205	1.8	0.2425	1.4	0.81	1400	18	1413	13	1432	20	1432	20	98
MT-15	161	408	362896	1.7	10.7868	0.9	2.9320	1.7	0.2295	1.5	0.87	1332	18	1390	13	1481	16	1481	16	90
MT-15	162	452	370300	3.5	10.9187	0.9	3.1041	1.8	0.2459	1.6	0.87	1417	20	1434	14	1458	17	1458	17	97
MT-15	163	299	287877	1.2	11.8314	0.8	2.6092	1.3	0.2240	1.1	0.80	1303	13	1303	10	1304	16	1304	16	100
MT-15	164	197	279488	4.6	11.0245	0.7	3.0865	1.1	0.2469	0.9	0.81	1422	12	1429	9	1440	13	1440	13	99
MT-15	165	122	391687	0.8	11.4494	1.0	2.7732	1.8	0.2304	1.5	0.82	1337	18	1348	13	1367	19	1367	19	98
MT-15	166	136	301533	1.2	11.8770	1.0	2.5101	1.4	0.2163	1.1	0.73	1262	12	1275	10	1296	19	1296	19	97
MT-15	167	297	251113	0.5	11.6567	0.8	2.6329	1.3	0.2227	1.0	0.78	1296	12	1310	10	1333	16	1333	16	97
MT-15	168	105	141386	2.6	10.7485	0.7	3.3227	1.2	0.2591	1.1	0.84	1485	14	1486	10	1488	13	1488	13	100
MT-15	169	20	51814	5.0	11.2407	1.2	3.0638	1.6	0.2499	1.1	0.69	1438	14	1424	13	1403	23	1403	23	103
MT-15	170	247	126633	3.7	10.9658	0.6	3.1974	1.3	0.2544	1.2	0.90	1461	15	1457	10	1450	11	1450	11	101
MT-15	171	45	71874	1.9	9.2817	0.9	4.4683	1.3	0.3009	1.0	0.75	1696	15	1725	11	1761	16	1761	16	96
MT-15	172	98	263228	1.9	11.1923	0.9	3.0593	1.4	0.2484	1.0	0.73	1430	13	1423	10	1411	18	1411	18	101
MT-15	173	454	947753	0.9	11.7817	0.7	2.6051	1.2	0.2227	1.0	0.82	1296	12	1302	9	1312	13	1312	13	99
MT-15	174	282	946714	3.0	12.2923	0.8	2.4327	1.5	0.2170	1.3	0.84	1266	14	1252	11	1229	16	1229	16	103
MT-15	175	212	248456	1.1	11.3001	0.8	2.8131	1.3	0.2306	1.1	0.78	1338	13	1359	10	1392	16	1392	16	96
MT-15	176	229	166514	3.1	10.9715	0.8	3.0689	1.5	0.2443	1.3	0.84	1409	16	1425	12	1449	16	1449	16	97
MT-15	177	251	220010994	2.3	11.4491	0.9	2.8264	1.5	0.2348	1.2	0.81	1360	15	1363	11	1367	17	1367	17	99
MT-15	178	175	718855	1.2	11.7803	0.8	2.5026	1.4	0.2139	1.2	0.83	1250	14	1273	10	1312	15	1312	15	95
MT-15	179	369	243425	1.7	11.0907	0.8	3.0810	1.3	0.2479	1.0	0.78	1428	13	1428	10	1428	16	1428	16	100
MT-15	180	199	101846	2.7	12.1455	0.8	2.4854	1.3	0.2190	1.1	0.81	1277	12	1268	10	1253	15	1253	15	102
MT-15	181	269	757120	1.2	11.4295	0.9	2.8230	1.5	0.2341	1.2	0.80	1356	15	1362	11	1371	17	1371	17	99
MT-15	182	184	255044	1.9	9.3215	0.8	4.7079	1.5	0.3184	1.2	0.85	1782	19	1769	12	1753	14	1753	14	102
MT-15	183	261	677940	0.6	9.1998	0.8	4.5064	1.3	0.3008	1.0	0.80	1695	15	1732	10	1777	14	1777	14	95
MT-15	184	216	292442	2.2	10.9321	0.8	3.0536	1.5	0.2422	1.3	0.87	1398	17	1421	12	1456	15	1456	15	96
MT-15	185	75	169508	1.0	11.6273	1.1	2.7466	1.7	0.2317	1.2	0.74	1343	15	1341	12	1337	22	1337	22	100
MT-15	186	86	509426	0.8	11.5940	0.7	2.6962	1.2	0.2268	1.0	0.83	1318	12	1327	9	1343	14	1343	14	98
MT-15	187	119	96626	4.0	10.9578	1.1	3.0491	1.6	0.2424	1.1	0.71	1399	14	1420	12	1451	21	1451	21	96
MT-15	188	192	127500	3.2	12.3120	0.9	2.4007	2.0	0.2145	1.7	0.88	1253	20	1243	14	1226	18	1226	18	102
MT-15	189	365	260024	1.2	11.6839	0.7	2.6481	1.5	0.2245	1.3	0.89	1306	16	1314	11	1328	13	1328	13	98
MT-15	190	424	156322	3.4	12.1997	0.7	2.4622	1.2	0.2180	1.0	0.82	1271	12	1261	9	1244	14	1244	14	102
MT-15	191	142	90095	1.7	10.9561	1.0	2.9896	1.4	0.2377	1.0	0.70	1375	12	1405	11	1451	19	1451	19	95
MT-15	192	112	722585	1.0	9.3298	0.8	4.5266	1.7	0.3064	1.5	0.88	1723	22	1736	14	1751	14	1751	14	98
MT-15	193	582	346932	3.4	12.6071	0.8	2.1373	1.3	0.1955	1.0	0.79	1151	11	1161	9	1179	16	1179	16	98
MT-15	194	638	311478	2.9	11.1047	0.7	2.8379	1.3	0.2287	1.1	0.85	1327	13	1366	10	1426	13	1426	13	93
MT-15	195	141	120130	1.7	11.1716	0.8	3.0188	1.3	0.2447	1.1	0.80	1411	14	1412	10	1414	15	1414	15	100
MT-15	196	95	61399	5.4	10.5959	0.9	3.5247	1.4	0.2710	1.0	0.77	1546	14	1533	11	1515	16	1515	16	102
MT-15	197	131	416213	0.5	8.2129	0.8	5.9809	1.3	0.3564	1.0	0.77	1965	17	1973	12	1981	15	1981	15	99
MT-15	198	305	174555	3.6	11.0578	0.7	3.0886	1.2	0.2478	0.9	0.80	1427	12	1430	9	1434	13	1434	13	100
MT-15	199	180	283549	1.7	11.9430	0.8	2.6666	1.3	0.2311	1.0	0.76	1340	12	1319	9	1285	16	1285	16	104

MT-15	200	234	8603081	1.9	10.7937	0.8	3.2831	1.1	0.2571	0.8	0.73	1475	11	1477	9	1480	14	1480	14	100
MT-15	201	230	184252	3.7	12.2065	0.8	2.3998	1.5	0.2125	1.2	0.84	1242	14	1243	11	1243	16	1243	16	100
MT-15	202	583	448423	3.5	12.6624	0.9	2.1542	1.4	0.1979	1.0	0.76	1164	11	1166	9	1171	17	1171	17	99
MT-15	203	96	295450	4.5	10.9648	1.1	3.1328	1.6	0.2492	1.2	0.76	1435	16	1441	13	1450	20	1450	20	99
MT-15	204	332	177426	1.5	10.7116	0.9	3.2170	1.9	0.2500	1.7	0.89	1439	21	1461	14	1494	16	1494	16	96
MT-15	205	45	67405	0.8	8.1702	1.3	5.8075	2.1	0.3443	1.7	0.80	1907	28	1948	18	1991	23	1991	23	96
MT-15	206	420	312436	3.0	11.0258	1.1	3.1774	1.7	0.2542	1.3	0.75	1460	16	1452	13	1439	21	1439	21	101
MT-15	207	207	295461	2.4	11.5739	1.2	2.8543	1.9	0.2397	1.5	0.78	1385	18	1370	14	1346	22	1346	22	103
MT-15	208	316	293178	2.5	11.4591	0.9	2.8239	1.7	0.2348	1.4	0.84	1360	17	1362	13	1366	18	1366	18	100
MT-15	209	60	41880	2.8	11.6323	1.2	2.6657	1.9	0.2250	1.4	0.76	1308	17	1319	14	1337	23	1337	23	98
MT-15	210	128	114387	1.3	9.1432	0.9	4.5574	1.6	0.3023	1.4	0.84	1703	21	1742	14	1788	16	1788	16	95
MT-15	211	131	370492	1.1	11.7214	1.0	2.6002	1.6	0.2211	1.2	0.77	1288	15	1301	12	1322	20	1322	20	97
MT-15	212	269	293866	2.7	11.1521	0.9	3.2032	1.4	0.2592	1.1	0.79	1486	15	1458	11	1418	16	1418	16	105
MT-15	213	38	21955	1.7	10.5985	0.9	3.4859	1.6	0.2681	1.3	0.82	1531	18	1524	13	1514	17	1514	17	101
MT-15	214	168	271236	1.6	11.4334	0.9	2.8971	1.3	0.2403	1.0	0.71	1388	12	1381	10	1370	18	1370	18	101
MT-15	215	182	843591	2.8	12.4485	1.3	2.2279	1.9	0.2012	1.4	0.74	1182	16	1190	14	1204	25	1204	25	98
MT-15	216	399	275389	2.2	9.1657	0.8	4.8388	1.8	0.3218	1.6	0.90	1799	25	1792	15	1784	14	1784	14	101
MT-15	217	279	310839	3.2	11.5152	1.1	2.8236	1.8	0.2359	1.4	0.80	1365	17	1362	13	1356	21	1356	21	101
MT-15	218	94	77399	3.4	11.0609	1.0	3.0989	1.7	0.2487	1.4	0.81	1432	18	1432	13	1433	19	1433	19	100
MT-15	219	448	459815	3.2	10.9112	0.9	3.1155	1.6	0.2467	1.3	0.84	1421	17	1437	12	1459	17	1459	17	97
MT-15	220	117	113913	1.8	10.9416	0.8	3.1303	1.5	0.2485	1.3	0.86	1431	16	1440	11	1454	15	1454	15	98
MT-15	221	193	236581	1.2	11.4619	2.1	2.9332	3.6	0.2439	3.0	0.82	1407	37	1391	27	1365	40	1365	40	103
MT-15	222	90	534717	3.8	11.0642	0.9	3.1157	1.4	0.2501	1.1	0.76	1439	14	1437	11	1433	17	1433	17	100
MT-15	223	151	89098	2.4	10.9422	0.8	3.1929	1.6	0.2535	1.4	0.87	1456	18	1455	12	1454	15	1454	15	100
MT-15	224	173	293816	2.6	11.0539	0.7	3.1494	1.6	0.2526	1.4	0.89	1452	18	1445	12	1435	14	1435	14	101
MT-15	225	329	309220	2.5	11.4830	0.8	2.7998	1.3	0.2333	1.0	0.77	1352	12	1355	10	1362	16	1362	16	99
MT-15	226	168	1356128	1.9	10.6786	0.7	3.1844	1.5	0.2467	1.3	0.87	1422	17	1453	12	1500	14	1500	14	95
MT-15	227	255	178886	2.5	10.4953	0.8	3.4158	1.7	0.2601	1.4	0.87	1490	19	1508	13	1533	16	1533	16	97
MT-15	228	15	14572	1.3	8.6404	1.6	5.2550	2.0	0.3295	1.3	0.63	1836	21	1862	17	1891	28	1891	28	97
MT-15	229	51	129457	4.7	10.5010	1.2	3.3830	1.7	0.2578	1.3	0.74	1478	17	1500	14	1532	22	1532	22	97
MT-15	230	130	434934	3.3	12.2563	0.8	2.3120	1.7	0.2056	1.5	0.88	1205	16	1216	12	1235	15	1235	15	98
MT-15	231	344	929264	1.3	11.8351	0.9	2.6810	1.4	0.2302	1.0	0.75	1336	13	1323	10	1303	18	1303	18	102
MT-15	232	270	29470751	2.5	10.9866	1.0	3.1002	1.6	0.2471	1.2	0.77	1424	15	1433	12	1446	19	1446	19	98
MT-15	233	592	129629	3.1	11.7282	1.0	2.2137	1.7	0.1884	1.4	0.83	1113	15	1185	12	1321	18	1321	18	84
MT-15	234	54	71576	1.1	11.8268	1.2	2.6814	1.9	0.2301	1.5	0.78	1335	18	1323	14	1304	23	1304	23	102
MT-15	235	138	277452	6.5	10.9530	1.1	3.0726	1.7	0.2442	1.3	0.75	1408	16	1426	13	1452	21	1452	21	97
MT-15	236	204	118103	2.7	12.1518	1.0	2.4488	1.5	0.2159	1.2	0.79	1260	14	1257	11	1252	19	1252	19	101
MT-15	237	231	234834	1.2	11.3865	0.7	2.8964	1.2	0.2393	1.0	0.83	1383	13	1381	9	1378	13	1378	13	100
MT-15	238	323	193781	3.5	11.0443	0.7	3.1927	1.3	0.2558	1.1	0.84	1469	15	1455	10	1436	14	1436	14	102
MT-15	239	155	572959	1.4	9.1410	0.8	4.7504	1.5	0.3151	1.2	0.84	1766	19	1776	12	1789	14	1789	14	99
MT-15	240	1130	4928505	3.1	11.2647	0.9	2.7217	1.6	0.2225	1.3	0.82	1295	16	1334	12	1398	18	1398	18	93
MT-15	241	178	263736	3.3	12.0625	0.9	2.4574	1.6	0.2151	1.3	0.81	1256	15	1260	12	1266	18	1266	18	99
MT-15	242	171	208380	3.2	11.0591	0.7	3.1334	1.4	0.2514	1.3	0.88	1446	16	1441	11	1434	13	1434	13	101
MT-15	243	357	1569909	3.2	10.9454	0.7	3.0622	1.5	0.2432	1.3	0.88	1403	17	1423	12	1453	14	1453	14	97
MT-15	244	218	183253	2.6	11.6064	0.8	2.7413	1.6	0.2309	1.4	0.86	1339	17	1340	12	1341	16	1341	16	100
MT-15	245	425	194169	1.9	10.7729	1.1	2.8648	1.7	0.2239	1.3	0.76	1303	15	1373	13	1483	21	1483	21	88
MT-15	246	131	222330	1.8	11.1256	0.9	3.0852	1.3	0.2491	1.0	0.75	1434	12	1429	10	1422	16	1422	16	101
MT-15	247	321	390163	2.6	11.1355	0.8	3.0160	1.8	0.2437	1.6	0.89	1406	20	1412	14	1420	15	1420	15	99
MT-15	248	282	236440	3.2	10.8781	0.8	3.1624	1.3	0.2496	1.0	0.79	1436	13	1448	10	1465	15	1465	15	98
MT-15	249	131	156003	2.2	11.2363	0.9	3.0908	1.6	0.2520	1.3	0.82	1449	17	1430	13	1403	18	1403	18	103
MT-15	250	209	530981	2.7	11.0628	0.8	3.0179	1.4	0.2422	1.2	0.81	1398	15	1412	11	1433	16	1433	16	98
MT-15	251	121	276201	1.7	11.7208	0.9	2.7027	1.4	0.2298	1.1	0.76	1334	13	1329	10	1322	18	1322	18	101
MT-15	252	236	430931	1.8	10.9291	0.8	3.0749	1.4	0.2438	1.2	0.85	1407	16	1426	11	1456	15	1456	15	97
MT-15	253	198	808145	1.5	11.1124	1.0	2.8848	1.4	0.2326	1.0	0.68	1348	12	1378	11	1424	20	1424	20	95
MT-15	254	178	379321	7.9	10.5398	0.9	3.4332	1.3	0.2626	1.0	0.73	1503	13	1512	10	1525	17	1525	17	99
MT-15	255	326	171822	2.2	10.5426	0.8	3.2433	1.5	0.2481	1.3	0.84	1429	16	1468	12	1524	15	1524	15	94
MT-15	256	302	620172	3.2	10.8574	0.9	3.1329	1.5	0.2468	1.2	0.80	1422	15	1441	12	1469	17	1469	17	97
MT-15	257	371	395447	1.2	11.6909	0.9	2.6349	1.5	0.2235	1.2	0.82	1300	14	1310	11	1327	17	1327	17	98
MT-15	258	158	265109	2.7	10.4483	0.8	3.4308	1.5	0.2601	1.3	0.84	1490	17	1511	12	1541	16	1541	16	97
MT-15	259	267	844053	1.2	10.7084	1.0	3.0399	2.0	0.2362	1.7	0.85	1367	20	1418	15	1495	19	1495	19	91
MT-15	260	66	113064	1.4	11.2253	1.1	2.9343	1.7	0.2390	1.2	0.73	1381	15	1391	12	1405	22	1405	22	98
MT-15	261	396	166104	3.0	11.5070	0.8	2.7578	1.6	0.2303	1.4	0.86	1336	17	1344	12	1357	16	1357	16	98
MT-15	262	137	219540	2.4	11.6836	0.8	2.7533	1.4	0.2334	1.2	0.82	1352	14	1343	11	1328	16	1328	16	102
MT-15	263	263	144746	3.0	11.1851	1.0	2.8934	1.8	0.2348	1.5	0.83	1360	18	1380	14	1412	19	1412	19	96
MT-15	264	353	172576	10.6	12.0740	0.7	2.5017	1.4	0.2192	1.3	0.88	1277	15	1273	10	1264	13	1264	13	101
MT-15	265	255	48570	2.6	10.8825	0.8	3.1443	1.4	0.2483	1.1	0.82	1430	14	1444	11	1464	15	1464	15	98
MT-15	266	67	49379	5.3	9.8745	0.9	3.8391	1.5	0.2751	1.2	0.80	1566	17	1601	12	1647	17	1647	17	95

MT-15	267	245	352450	2.8	11.7030	0.8	2.7070	1.6	0.2299	1.4	0.86	1334	17	1330	12	1325	16	1325	16	101
MT-15	268	263	310022	3.0	10.9968	0.9	3.0957	1.4	0.2470	1.1	0.78	1423	14	1432	11	1444	17	1444	17	99
MT-15	269	299	3609411	2.7	11.0284	0.7	3.1085	1.2	0.2487	0.9	0.79	1432	12	1435	9	1439	14	1439	14	100
MT-15	270	44	31034	1.0	11.2714	1.2	2.8952	1.5	0.2368	1.0	0.64	1370	12	1381	12	1397	23	1397	23	98
MT-15	271	219	1020844	1.3	11.3267	0.8	2.8384	1.4	0.2333	1.1	0.82	1352	14	1366	10	1388	15	1388	15	97
MT-15	272	82	1306473	1.2	8.2426	0.8	5.9970	1.4	0.3587	1.1	0.81	1976	19	1975	12	1975	15	1975	15	100
MT-15	273	173	59164	7.5	11.6829	0.7	2.6911	1.1	0.2281	0.9	0.77	1325	10	1326	8	1328	14	1328	14	100
MT-15	274	369	303252	2.6	11.5570	0.6	2.7614	1.3	0.2316	1.1	0.87	1343	14	1345	10	1349	12	1349	12	100
MT-15	275	232	115415	2.7	11.0752	0.6	3.0079	1.1	0.2417	0.9	0.81	1396	11	1410	8	1431	12	1431	12	98
MT-15	276	143	239457	0.9	11.6203	0.6	2.7249	1.3	0.2298	1.2	0.90	1333	14	1335	10	1339	12	1339	12	100
MT-15	277	70	32542	3.4	11.6710	1.2	2.5494	1.7	0.2159	1.2	0.70	1260	14	1286	12	1330	23	1330	23	95
MT-15	278	105	73646	2.8	11.0316	1.1	2.9677	1.5	0.2375	1.0	0.67	1374	12	1399	11	1438	21	1438	21	96
MT-15	279	528	7424752	2.8	10.9058	0.7	3.1059	1.3	0.2458	1.0	0.82	1417	13	1434	10	1460	14	1460	14	97
MT-15	280	512	841540	0.8	11.2299	1.0	2.8764	1.5	0.2344	1.2	0.78	1357	15	1376	12	1404	18	1404	18	97
MT-15	281	171	340561	1.6	11.5001	0.9	2.8060	1.2	0.2341	0.9	0.72	1356	11	1357	9	1359	17	1359	17	100
MT-15	282	253	3788891	3.3	10.6177	0.8	3.4106	1.5	0.2628	1.2	0.82	1504	16	1507	11	1511	16	1511	16	100
MT-15	283	81	51855	3.2	12.4870	1.0	2.1626	1.7	0.1959	1.3	0.78	1153	14	1169	12	1198	20	1198	20	96
MT-15	284	268	390283	3.1	12.7039	0.6	2.1657	1.2	0.1996	1.0	0.87	1173	11	1170	8	1164	12	1164	12	101
MT-15	285	116	784300	1.9	11.5504	0.9	2.6346	1.4	0.2208	1.1	0.76	1286	13	1310	10	1350	18	1350	18	95
MT-15	286	527	350448	1.1	11.2290	0.7	2.9140	1.2	0.2374	0.9	0.79	1373	11	1386	9	1405	14	1405	14	98
MT-15	287	157	170680	4.9	11.8357	0.8	2.5698	1.4	0.2207	1.1	0.80	1286	13	1292	10	1303	16	1303	16	99
MT-15	288	225	308057	2.4	10.9374	0.8	3.0817	1.3	0.2446	1.1	0.83	1410	14	1428	10	1455	14	1455	14	97
MT-15	289	272	841906	2.9	9.1840	0.9	4.6368	1.4	0.3090	1.1	0.74	1736	16	1756	12	1780	17	1780	17	98
MT-15	290	208	917904	1.3	11.4947	0.8	2.8131	1.4	0.2346	1.2	0.84	1359	15	1359	11	1360	15	1360	15	100
MT-15	291	152	236508	2.7	10.7538	0.9	3.0824	1.5	0.2405	1.3	0.82	1389	16	1428	12	1487	17	1487	17	93
MT-15	292	277	2494279	2.4	11.0230	0.7	3.0631	1.2	0.2450	0.9	0.79	1413	12	1424	9	1440	14	1440	14	98
MT-15	293	156	119170	3.5	11.0072	0.9	3.0410	1.5	0.2429	1.2	0.79	1402	14	1418	11	1443	17	1443	17	97

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VITA

Felicia Reneé Harris

Education:

- Bachelor of Science, Geology, University of West Georgia, Carrollton, Georgia

2018

Professional Positions:

- Research Assistant, University of Kentucky, Earth and Environmental Sciences,

2018-2020

- Teaching Assistant, University of West Georgia, Geology, 2018
- Student Research Assistant, University of West Georgia, Geology, 2017-2018

Scholastic Honors:

- Outstanding Teaching Assistant, University of Kentucky, Earth and Environmental Sciences, 2020.
- Outstanding Research Scholarship, University West Georgia, Geology, 2018

Publications

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