1 2 3	The geochronological evolution of the Paleoproterozoic Baoulé- Mossi domain of the southern West African Craton
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#### 28 Keywords

West African Craton, Paleoproterozoic, Baoulé-Mossi domain, U-Pb zircon dating

31 Abstract

Generation and emplacement of felsic magmas in the Paleoproterozoic Baoulé-Mossi domain 32 33 of the West African Craton does not match the apparent peaks of global crust generation identified between ca. 2900-2600, 1900-1600 and 1200-900 Ma. In contrast, across the Baoulé-34 35 Mossi domain, the emplacement of felsic intrusions ranges from ca. 2300 to 2000 Ma. It has proven difficult to place this magmatism within a robust geodynamic framework due to the 36 lack of accurate geochronological data from across the West African Craton. The present study 37 38 addresses this issue by presenting eighty-four new felsic intrusions zircon ion microprobe and LA-ICP-MS U-Pb ages from areas that up until now have not been targeted for geochronology. 39 The new dataset, when fully integrated with existing age data, reveals a craton-wide 40 diachronous geochronological pattern characterized by a magmatic front that migrated 41 westward. This migration proceeded at a rate of 35 km per million years, with an apparent 42 offset of the initiation and cessation of felsic magmatic activity between the east and west of 43 approximately 50 million years. The new data also show that although the entire Baoulé-Mossi 44 45 domain was subject to continuous magmatic activity for approximately at least 150 million 46 years, this magmatic activity displays a rather different record in the eastern and western portions of the domain. The differences are expressed as a westward migration of the magmatic 47 activity, cessation of activity around ca. 2100 Ma (easternmost portion) and ca. 2050 Ma 48 49 (westernmost portion) and a higher incidence of inherited ages in the westernmost portion when compared to the easternmost region. In addition, the new U-Pb data identify some of the oldest 50 felsic intrusions in the region, including a granite from Burkina Faso ( $2265 \pm 17$  Ma) and a 51

diorite porphyry ( $2216 \pm 5$  Ma) in southern Mali. This study also reveals inherited Archean zircon cores from across southern Mali. The combination of the new data presented here, along with previously published data, suggests that the Baoulé-Mossi domain formed from the accretion of two major crustal blocks. The Archean inherited ages open a window for further investigation of the interaction between the Archean Kénéma-Man and the Paleoproterozoic Baoulé-Mossi domains.

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#### 59 <u>1 Introduction</u>

60 Radiometric ages obtained from igneous and metamorphic rocks across the West African Craton are mainly concentrated between ca. 2300 and 2000 Ma. This period falls 61 outside the main peaks of global magmatic activity preserved at ca. 2900-2600, 1900-1600 and 62 63 1200-900 Ma (Cawood et al., 2009 and references therein; Condie, 1998, 2009). It is possible 64 that the complete magmatic record of the West African Craton is either under-represented or under-sampled in the current geochronological databases. The southern West African Craton, 65 66 known as the Leo-Man Rise, comprises the Archean Kénéma-Man and the Paleoproterozoic Baoulé-Mossi domains (Figure 1). Despite the wealth of studies aimed at deciphering the large 67 metallogenic endowment of the Leo-Man rise and in particular of the Baoulé-Mossi domain 68 (e.g. Béziat et al., 2000; Feybesse et al., 2006a; Milési et al., 1991, 1992; Oberthür et al., 1998), 69 70 the southern West African Craton remains one of the least understood and controversial 71 lithospheric blocks on Earth. One of those controversies is directly related to the age of emplacement of the felsic igneous suites, and the apparent lack of involvement of older 72 Archean crust in a region that is regarded to be the result of juvenile magmatic activity 73 74 (Abouchami et al., 1990; Boher et al., 1992).

Multiple studies on the geochronological evolution of the southern West African Craton
have been carried out across the Baoulé-Mossi domain (e. g. Baratoux et al., 2011; Block et

77 al., 2016a; de Kock et al., 2011, 2012; Egal et al., 2002; Feybesse et al., 2006a, 2006b, 2006c; Gueye et al., 2007; Tshibubudze et al., 2013, 2015). Nonetheless, most of these studies are the 78 result of mine-scale to belt-scale mapping projects, in many cases restricted to small regions or 79 particular countries, thus failing to attempt large-scale correlations across the Baoulé-Mossi 80 domain. According to these studies, the emplacement ages of felsic intrusions from across the 81 domain are mainly associated with the Eburnean Orogeny (ca. 2200-1800 Ma, Liégeois et al., 82 83 1991) and represent approximately half of the total rock exposures across the domain (Boher et al., 1992; Roddaz et al., 2007). 84

85 Felsic intrusions from across the Baoulé-Mossi domain were described by Bessoles (1977) and originally divided into 3 main types: Belt or Dixcove, Sedimentary-Basin or 86 Winneba and Basin or Cape Coast suites (e.g. Abouchami et al., 1990; Boher et al., 1992; Davis 87 88 et al., 1994; Hirdes et al., 1992, 1996; Taylor et al., 1992). de Kock et al. (2011), (2012) further 89 summarize the magmatic activity into 4 major age clusters or peaks at: ca. 2210-2190, 2185-2150, 2115-2100 and 2090-2070 Ma. Despite this apparent periodicity, published ages for these 90 91 clusters tend to overlap within uncertainty, suggesting a continuous period of magmatic activity 92 between ca. 2210 and 2050 Ma (de Kock et al., 2011, 2012).

The present study is a comprehensive evaluation of the chronological evolution of the 93 Paleoproterozoic Baoulé-Mossi domain of the southern portion of the West African Craton, 94 95 aimed at establishing regional-scale correlations and shedding new light on the evolution of 96 the region. The study area extends over Burkina Faso, southern Mali, eastern Guinea and parts 97 of Ghana (Figure 1). A total of seventy-five new ion microprobe (SHRIMP II) and nine LA-98 ICP-MS U-Pb zircon ages are presented in this study and covers an area of over 250 000 km<sup>2</sup>. 99 The new data establish that the magmatic activity across the Baoulé-Mossi domain was 100 continuous for approximately at least 150 million years (Myrs), and migrated westward at a rate of 35 km/Myrs. 101

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#### 103 <u>2 Geological Setting</u>

The West African Craton is composed of three major provinces: the Reguibat Rise to 104 the north, the Kédougou-Kéniéba and Kayes Inliers to the west and the Leo-Man rise to the 105 south (Abouchami et al., 1990; Bessoles, 1977; Boher et al., 1992) which circumscribe the 106 younger Taoudenni Basin (Figure 1). The Leo-Man Rise, covering Burkina Faso, Côte 107 108 d'Ivoire, Ghana, Guinea, Liberia, Mali, Niger, Senegal, Sierra Leone and Togo is geologically divided into the Archean Kénéma-Man and the Paleoproterozoic Baoulé-Mossi domains 109 110 (Figure 1). The Archean portion of the Leo-Man Rise is composed of highly metamorphosed, amphibolite to granulite facies, gneisses formed between ca. 3600 and 2600 Ma (Milési et al., 111 1992; Rollinson, 2016) and believed to be largely the result of the Leonian (ca. 3200-3000 Ma) 112 and/or Liberian (ca. 2800-2700 Ma) orogenic cycles (Egal et al., 2002). Recently De Waele et 113 al. (2015) refined the timing of crust formation to a pulse of magmatic activity at ca. 3400 Ma, 114 which was followed by semi-continuous magmatic activity between ca. 3000 and 2600 Ma. 115

116 The Paleoproterozoic counterpart which is divided into two main phases, the Eoeburnean or Tangaean (ca. 2266 and 2150 Ma) and the Eburnean (ca. 2130 and 1980 Ma) 117 phases (Baratoux et al., 2011, 2015; Block et al., 2015; de Kock et al., 2012; Feybesse et al., 118 2006; Hein 2010; Perrouty et al., 2012; Vidal et al., 1996). The Paleoproterozoic crust 119 comprises narrow sedimentary basins and linear to arcuate belts comprising volcanic and 120 121 volcaniclastic rocks intruded by multiple generations of granitic rocks (Abouchami et al., 1990; Boher et al., 1992; Taylor et al., 1992). The Eoeburnean phase is dominated by mafic and felsic 122 volcanism, granitic emplacement and folding as the result of a collisional event and crustal 123 thickening (Baratoux et al., 2015; Lambert-Smith et al., 2016; Tshibubudze et al., 2015), while 124 the Eburnean phase is characterized by plutonic activity. The Eoeburnean and Eburnean 125 terminology and characteristics are not uniform across the entire Paleoproterozoic domain as 126

127 s	ummarized by	Lambert-Smith et al.	(2016)	. The st	ratigraphic so	equence of the Ba	aoulé-Mossi
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domain is defined in Vidal et al. (1996) and later refined by Béziat et al. (2000), de Kock et al.,

129 (2009, 2011), Baratoux et al. (2011), and Ganne et al. (2014) (Figure 2). Recent studies by

130 Pitra et al. (2010), Baratoux et al. (2011), Ganne et al. (2014) and Block et al. (2015)<del>de Kock</del>

131 et al., (2009, 2011), Baratoux et al. (2011), Béziat et al. (2000), and Ganne et al. (2014) (Figure

132 2). Recent studies by Baratoux et al. (2011), Block et al. (2015), Ganne et al. (2014) and Pitra

et al. (2010) have reiterated that the lithostratigraphic sequence has been generally affected by
 greenschist facies metamorphism, but also highlight regional amphibolite facies and locally
 granulite facies metamorphism.

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#### 137 2.1 The Birimian terranes

The term "Birimian terranes" after the type locality defined from the Birim River Valley 138 in Ghana (Kitson, 1918) is applied to the Paleoproterozoic domain of the southern West African 139 140 Craton. The Birimian stratigraphy (sensu lato) is defined, bottom to top, by the presence of: 1) a thick sequence of locally pillowed basalts and gabbros of tholeiitic affinity (Hirdes et al., 141 1996; Leube et al., 1990), interlayered with immature sedimentary rocks and carbonates; 2) a 142 volcano-sedimentary sequence mainly dominated by turbidites, mudstones and carbonates, 143 interbedded with calc-alkaline volcanic and volcaniclastic rocks (Kesse, 1985; Olson et al., 144 145 1992); and 3) a coarse, clastic sedimentary sequence that was originally defined by Junner (1940), (1954) and later by Trashliev (1974) as a series of turbidites (Attoh, 1982; Béziat et al., 146 147 2000, 2008; Pouclet et al., 1996; Vidal et al., 1996).

Regionally, across Burkina Faso, the Birimian terranes comprise a series of basaltic to basaltic andesitic belts, from east to west, the NNW-striking Bouroum Belt, the NW-striking Goren Belt, and the N-S striking Boromo, Hounde and Banfora belts (Figure 1). All belts are intruded by N-S trending granitic bodies (Hein, 2010; Metelka et al., 2011). Additionally, **Commented [JL1]:** Should be in chronological order

Baratoux et al. (2011) and Castaing et al. (2003) summarized several NNW to NE-trending
shear zones, defined as the Greenville-Ferkessedougou-Bobo Dioulasso, the Bossie, the West
Batie and the Boromo-Poura shear zones (Figure 1).

Further to the west across southern Mali, the Birimian is composed of three N-S 155 trending volcano-sedimentary belts and two regional shear zones. These belts from east to west 156 are: 1) the Bagoe Belt, considered to be the NW extension of the Diaoulla-Boundiali Belt of 157 158 Côte d'Ivoire (Traoré et al., 2016; Turner, 1995) near the Burkina Faso-Mali border; 2) the Morila Belt, just east of the large Bougouni granitic batholith (Hammond et al., 2011; Parra-159 160 Avila et al., 2016); and 3) the Yanfolila Belt, which sits between the town of Bougouni and the Mali-Guinea border. Major shear zones in the region are the Siekeroli and Bannifin shear zones 161 (Figure 1) (Feybesse et al., 2006b, 2006c; Liégeois et al., 1991; McFarlane et al., 2011). 162

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164 2.2 Geochronology and geochemical overview of the Paleoproterozoic Baoulé-Mossi domain
 165 felsic intrusions

Felsic intrusions in Burkina Faso are divided according to their host volcanic belts. Across the NE-E portion of the country, authors such as Castaing et al. (2003), Hein et al. (2004), (2010), Naba et al. (2004), Tshibubudze et al. (2009), (2013), (2015) and Vegas et al. (2008) described the intrusions as NE-SW-trending, medium to coarse-grained equigranular granodiorites, tonalites, quartz-diorites, quartz-monzodiorites and granites. Zircon U-Pb ages indicate that the intrusions are as old as ca. 2260 Ma (Tshibubudze et al., 2015).

Metelka et al. (2011) subdivided the felsic intrusions across Burkina Faso into three types: 1) medium to coarse grained, amphibole and biotite rich, with minor occurrences of Kfeldspar tonalites, trondhjemites and granodiorites, emplaced between ca. 2150 and 2130 Ma; X-feldspar and biotite rich granodiorites and granites, rarely containing muscovite or amphibole, and granodiorites with ages between ca. 2110 and 2100 Ma; and 3) K-feldspar rich
potassic granites, which occasionally bear muscovite (ca. 2110-2090 Ma, Eburnean).

Baratoux et al. (2011) suggested that volcanic activity across western Burkina Faso 178 occurred between ca. 2190 and 2160 Ma (Eoeburnean). Additionally, by combining field 179 observations and airborne geophysical data Baratoux et al. (2011), Block et al. (2015), and 180 Metelka et al. (2011) determined that the granitic intrusions in northern Ghana and western 181 182 Burkina Faso can be grouped into four main magmatic episodes: granite, granodiorite and gabbroid emplaced between 2195and 2160 Ma (Pre-ME1), ME1 composed mainly of tonalite, 183 184 trondhjemite, granodiorite (TTG) emplaced at ca. 2160-2120 Ma; ME2, dominated by granodiorites and granites (ca. 2120-2110 Ma, Eburnean); and ME3 represented by granites 185 (2110-2090 Ma, Eburnean). 186

187 Farther to the west across southern Mali, felsic intrusions are far less studied, and no 188 large-scale correlations have been made. Most studies across southern Mali are at the local/mine-scale. Liégeois et al. (1991) recognized three main types of N-S striking felsic 189 intrusions around the Bannifin shear zone: 1) plagioclase, microcline, guartz, hornblende and 190 biotite rich, equigranular, fine-grained (occasionally aplitic) quartz-diorites, quartz-191 monzodiorites and granodiorites (ca. 2075 Ma, Eburnean), locally known as the Sadiola type; 192 2) foliated homogenous potassic pink leucogranites known as the Massigui type; and 3) fine to 193 medium grained granitic intrusions containing biotite and variable amounts of K-feldspar, 194 195 locally known as the Doubalakoro type.

In a study around the Morila gold mine, McFarlane et al. (2011) identified gold-bearing granodiorites as well as foliated porphyritic intrusive bodies and granites with pegmatitic textures. Granodiorite bodies are described as being biotite rich with plagioclase phenocrysts, similar to the Sadiola type. The porphyritic intrusions are composed of very fine grained plagioclase, quartz, actinolite and biotite. A second generation of intrusions is described as

quartz diorites to biotite leucogranites similar to the Doubalakoro pluton of Liégeois et al. 201 (1991). Finally, the third generation described by McFarlane et al. (2011) consists of 202 leucogranites and two mica (muscovite/biotite) rich granites and pegmatites, with U-Pb zircon 203 ages ranging between ca. 2130 and 2090 Ma (Eburnean). In addition to the types described by 204 Liégeois et al. (1991) and McFarlane et al. (2011), an older generation has been documented 205 by Feybesse et al. (2006b), (2006c) and references therein. This older intrusion is represented 206 207 by a monzonitic orthogneiss that yielded a zircon U-Pb age of  $2150 \pm 15$  Ma, with an inherited zircon population at  $2174 \pm 8$  Ma (Eoeburnean) (Feybesse et al., 2006b, 2006c). 208

209 In general, intrusions across the Paleoproterozoic domain of the southern West African Craton have been mainly described as TTG-like (Doumbia et al., 1998; Vidal et al., 2009, and 210 references therein), based on normative Anorthite-Albite-Orthoclase discrimination diagrams 211 212 after Barker (1979) and O'connor (1965). The intrusions have historically been divided into 213 three main groups: 1) amphibole bearing granitic rocks, with or without biotite, usually foliated; 2) biotite bearing granitic rocks without amphibole; and 3) potassic alkaline plutons 214 (Castaing et al., 2003; Doumbia et al., 1998; Egal et al., 2002; Gasquet et al., 2003; Hirdes et 215 al., 1992, 1996; Liégeois et al., 1991; Lompo, 2009; Naba et al., 2004; Oberthür et al., 1998; 216 Tapsoba et al., 2013; Vegas et al., 2008). Supplementary Material A summarizes the 217 emplacement ages reported for these intrusions. 218

The geochemistry of felsic intrusions across Burkina Faso, Malia and Ghana, are extensively documented and broadly summarized as calc-alkaline/magnesian with arc-like trace element signatures, including negative Nb, Ta, P, Ti as well as REE fractionation and Eu anomalies (e.g. Baratoux et al., 2011; Block et al., 2016a; Castaing et al., 2003; Egal et al., 2002; Eglinger et al., 2017; Feybesse et al., 2006a, 2006b, 2006c; Gasquet et al., 2003; Hein et al., 2004, 2010; Lambert-Smith et al., 2016; McFarlane et al., 2011; Metelka et al., 2011; Naba et al., 2004; Peterssen et al., 2016, Tapsoba et al., 2013 and Vegas et al., 2008). 226

#### 227 <u>3 Samples and Analytical Methods</u>

To compare the magmatic activity of the Paleoproterozoic Baoulé-Mossi domain, 228 where precise ages are scarce, with the age peaks recognized in the global magmatic record an 229 integrated geochronological dataset on igneous rocks from southern Mali, was established. 230 Additional samples from Burkina Faso and some from eastern Guinea and Ghana provide ages 231 232 from the whole Paleoproterozoic domain. Samples were collected over 3 field seasons and were carefully selected to give the most representative and comprehensive overview of the 233 234 characteristics of the different plutons across the region (Figure 3). Each sample was approximately 3-6 kg in weight. 235

In Burkina Faso, granitic intrusions were sampled from east to west: 1) across the Po-236 Tenkodogo-Yamba region and the Goren Belt; 2) around the Inata-Belahouro gold district, 237 238 Bouroum Belt; 3) in the surroundings of the Perkoa zinc mine, Boromo Belt; 4) in the Gaoua region, Hounde Belt; and 5) adjacent to the Banfora Belt. In Mali, sampling focused: 1) across 239 the Syama Mine, Bagoe Belt; 2) on granitic intrusions around the Morila mine, Morila Belt; 3) 240 on granitic outcrops of the Bougouni region; and 4) across the Kalana and Komana regions of 241 the Yanfolila Belt. In Guinea, samples were obtained from granitic intrusions outcropping in 242 the Siguiri Basin area. Finally, in Ghana samples were obtained from the Koudougou-Tumu 243 granitic domain, northern Ghana, and across the Ashanti Belt-Kumasi Basin region of southern 244 245 Ghana (Table 1, Figure 1 and larger insets with the sample points). In addition to surface samples, a series of felsic porphyries were collected from drill cores provided by exploration 246 and mining operators, mainly across the Yanfolila Belt (Mali) and the Siguiri Basin (Guinea). 247

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249 3.1 Rock description and petrology

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Rock classification was made based on 3 parameters: 1) hand specimen observations;
2) CIPW norm; and 3) modal composition determined from microscopic evaluation of thin sections, characterized after Streckeisen (1976) (Tables 2 and 3).

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- 254 *3.2 Zircon morphology and U-Pb dating*

Zircon concentrates were obtained following the standard procedures described in
Claoué-Long et al. (1995). Sample processing to obtain zircon concentrates, zircon mount
procedures and zircon imaging, which include the use of backscattered electron (BSE) and
cathodoluminescence (CL) detectors, are described in Appendix A1. Detailed information
about U-Pb isotope analysis of zircon by SHRIMP (Appendix A2) and LA-ICP-MS (Appendix
A3), the criteria for rejection of analyses and data reduction are explained in Appendix A2.

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## 262 <u>4 Results</u>

#### 263 4.1 Rock description and Petrology overview

The petrological characteristics of the igneous rock samples are summarized in Table 265 2. Macroscopic and microscopic observations reveal that 48% of the samples are represented 266 by granites while the rest is-are represented by granodiorites, monzodiorites, diorites, aplites 267 and syenites. Additionally, two gabbros are identified. The drill core samples are classified as 268 porphyries (Tables 1 and 2).

Based on mineralogy, 3 main groups of intrusions were identified: 1) biotite bearing, characterized by plagioclase, alkali feldspar, quartz, with or without hornblende, titanite, apatite, zircon and variable amounts of sulfide and oxide phases (Figure 4-A, C and E); 2) two mica intrusions, rich in plagioclase, alkali feldspar, muscovite, biotite, quartz, and zircon as well as variable amounts of sulfides (Figure 4-B and G); and 3) porphyries, mainly from drill core samples, consisting of altered to very altered fine-grained and recrystallized matrix with abundant calcite (Figure 4-H). Other minerals within the matrix include biotite, traces of muscovite, epidote and chlorite. Overall, the biotite in the single mica intrusions is greenish to (primarily) reddish-brown. Biotite in the two mica intrusions is mainly greenish and occasionally reddish-brown. Hornblende appears to be only present in a limited number of single mica samples. Titanite is mainly euhedral, bladed and light brown in color, but is also present as wedge-shaped grains that are darker brown in color. Zircon forms euhedral, elongated grains with visible oscillatory zoning, characteristic of an igneous origin.

In the case of the porphyry samples, original matrix textures are not easily identifiable. Relict phenocrysts are for the most part plagioclase. Deformation and mineral alignment is evident in some samples. Phenocryst grain boundaries appear sharp and unaltered in some samples while in others they appear deformed, with signs of recrystallization.

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## 287 4.2 Zircon morphology

The majority of zircon grains are clear to slightly translucent and pale reddish-brown, 288 while a small percentage are more intense reddish-brown. Most crystals are elongated, with 289 290 either sharp or in some cases slightly rounded dipryramidal crystal formprismatic terminations, and between 25 to 80 µm wide and 120 to 300 µm in length. Fragmented or broken zircons are 291 probably the result of the mineral separation process. Most zircons show clear oscillatory 292 zoning of variable intricacy, whereas others have either faint or broad zoning. Additional 293 294 features evident in CL images include the recognition of high U concentration, which is identified due to metamict features, and distinct central regions with very dark brown 295 coloration, possibly reflecting the presence of xenocrystic cores (Figure 5). 296

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## 298 4.3 Zircon U-Pb dating

A total of 84 samples were dated by zircon U-Pb method, 27 samples from Burkina Faso, 50 from Mali, 5 from Guinea and 2 from Ghana (Figures 6 and 7, Table 3). Table 3 summarizes the <sup>207</sup>Pb/<sup>206</sup>Pb age results (weighted mean ages are at 95% confidence limit). Figures 8 and 9 shows U-Pb Concordia plots and weighted mean <sup>207</sup>Pb/<sup>206</sup>Pb ages for the 9 belts and 2 large batholiths studied. Supplementary Materials B (SHRIMP) C (LA-ICP-MS) contains the full set of (U-Th)-Pb isotope data.

Zircons from 58 samples yielded a single age population, while the remaining 26 samples contain zircon with older cores, which are interpreted as inherited components. The number of inherited grains is variable between samples and ranges from 1 or 2 analyses to 10 (Table 3). Across Burkina Faso, the Goren Belt/Po-Tenkodogo-Yamba regions, yield ages between ca. 2270 and 2120 Ma. For the Belahouro region the ages are between ca. 2180 and 2120 Ma and in the Boromo-Hounde belts the range is between ca. 2180 and 2110 Ma, while the Banfora region have ages between ca. 2150 and 2110 Ma (Figures 6 and 7).

In southern Mali, the felsic intrusion from the Syama mine (Bagoe Belt) is dated at ca. 2150 Ma. Farther to the west, the Morila Belt granites and granodiorites have inferred emplacement ages between 2140 to 2080 Ma. Across the Bougouni domain, the emplacement occurred between ca. 2100 and 2080 Ma while the Yanfolila Belt, was intruded between ca. 2220 and 2070 Ma (Table 3, Figures 6, 7 and 9).

The rocks analyzed are mainly granites and granodiorites with the bulk dated between ca. 2140 and 2080 Ma. The other dated intrusions are mainly porphyries, diorites and tonalites (Figure 6). Three of the 9 diorites have inherited grains of up to ca. 3500 Ma. A total of 12 granites have inherited zircon cores up to ca. 2250 Ma. The porphyry intrusions shows significant inheritance of material up to ca. 2500 Ma old. The granitic intrusions with Archean inheritance are mainly biotite bearing, characterized by plagioclase, alkali feldspar, quartz, with or without hornblende and muscovite. Assimilation of older crust during the generation of the 2 mica (biotite and muscovite) and 1 mica (mainly biotite) intrusions, as illustrated by inherited
zircon, is also evident.

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## 327 <u>5 Discussion</u>

The new data presented here constitute a comprehensive and spatially representative geochronological dataset from the Paleoproterozoic Baoulé-Mossi domain of the West African Craton. Together with previously reported ages, broad U-Pb age and inheritance patterns can be visualized across the craton. The implications of these new data for tectonic evolution are explored in the following sections.

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## 334 5.1 Magmatic activity; from the Goren/Po-Tenkodogo-Yamba to the Banfora Belt

A granodiorite from the Goren/Po-Tenkodogo-Yamba region (BF8) with an apparent age of  $2265 \pm 17$  Ma is similar to that obtained by Tshibubudze et al. (2013), (2015) for granites across the Oudalan-Gorouol Belt (ca. 2265 Ma) expanding the known occurrences of older intrusives presented in compiled data, by e.g. Baratoux et al. (2011), de Kock et al. (2011), (2012), Feybesse et al. (2006b), (2006c), McFarlane et al. (2011), Tapsoba et al. (2013) and Tshibubudze et al. (2015).

The youngest ages across the easternmost portion of the study area in Burkina Faso are 341 ~2105 Ma (BF12-05), 2115 Ma (HO640C) and 2120 Ma (BF1), belonging to the Eburnean 342 phase, which are mainly concentrated along the Banfora Belt region, with minor occurrences 343 in the Boromo-Hounde and Belahouro belts. These young granite ages make it clear that felsic 344 magmatic activity across the eastern portion of the Paleoproterozoic Baoulé-Mossi domain 345 346 occurred over a period of about 150-160 Myrs. Within-During this period, magmatism magmatic wasactivity was low-minor between ca. 2275 and 2190 Ma, after which activity it 347 348 increased to peak between 2140-2130 Ma. Magmatic activity, but then waned, with the last bodies emplaced at ca. 2105 Ma (Figures 6, 7, and 9). After ca. 2105 Ma the magmatic activity
appears to be concentrated in the western portion of the Baoulé-Mossi across southern Mali.

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## 352 5.2 Magmatic activity from the Banfora Belt to the Siguiri Basin

West of the Banfora Belt and into southern Mali and eastern Guinea, this study clearly 353 lengthens the magmatic evolution of the Baoulé-Mossi domain. Previous studies that evaluated 354 the magmatic activity indicated a period of 30 Myrs between ca. 2100 and 2070 Ma, which 355 was associated with the Eburnean orogenesis (Liégeois et al., 1991). Conversely, Doumbia et 356 357 al. (1998), Hirdes and Davis (2002), and Hirdes et al. (1996) indicated that the granitic intruded between ca. 2150 and 2070, a period of 80 Myrs. The Porphyries from the Yanfolila Belt, 358 however revealed intrusions at  $2159 \pm 11$  Ma (MWAXI-135),  $2174 \pm 15$  Ma (MWAXI-130) 359 and  $2216 \pm 15$  Ma (MWAXI-134) extending the range of magmatism across the region. The 360 361 felsic magmatic activity progressively increased during the Eburnean phase between ca. 2100 Ma and 2070 Ma, peaking around ca. 2090 Ma and abruptly waning declining after ca. 2070 362 363 Ma (Figures 6, 7 and 9). Overall the range of magmatic activity lasted about 150 Myrs, mostly concentrated between ca. 2100 and 2070 Ma. These findings thus may suggest an accretionary 364 evolution for the southern West African Craton (section 6). 365

366

## 367 5.3 Broad age patterns across the Baoulé-Mossi domain

The early and punctuated magmatic activity recorded in the Yanfolila Belt contrasts with the rest of southern Mali, where only a limited number of samples are older than ca. 2110 Ma. Volcanism in the belt has been recognized as early as ca. 2212 Ma by Lahondère et al. (2002) whom associated this early activity with felsic to intermediate volcanism resulting of from subduction or underplating. Early volcanism is present in the east of the Banfora Belt, as reported by Hein (2010) and Tshibubudze et al. (2013), (2015). Since these older ages (> ca. 2250 Ma in Burkina Faso and > ca. 2200 Ma in southern Mali) are not more common, either
the overall volume of magmatism was relatively low during this period, or intrusions of this
age are buried or have been eroded away. <u>Alternatively, a more mafic style of magmatism may</u>
have resulted in less zircon crystallization.

Integration of the new and published data shows that for the southern West African 378 379 Craton the emplacement ages fall into an "early" period at 22502260-2130 Ma, which is 380 dominated by pluton emplacement (Figure 11-A), followed diachronously by a "late" period (2130-2050 Ma). The boundary between the early and late periods was chosen after considering 381 382 peak metamorphism in the region, deformation history, and spatial distribution of the ages across the study area and identifiable age peaks (Figures 2, 6, 7 and 11). While the probability 383 of occurrence of ages shown in figure 10 suggests a boundary can be placed around ca. 2110 384 385 Ma, the spatial distribution is more in agreement with a boundary ca. 2140-2130 Ma. 386 Additionally, the peak metamorphism identified by Block et al. (2015) between ca. 2140-2130 Ma, roughly coincides with the peak of magmatism in the eastern portion of the study area. 387 388 The comparable to the Eoeburnean phase, The early period, which is comparable to the Eceburnean phase, is dominated by a major peak at ca. 2135 Ma and a secondary peak at ca. 389 2170 Ma. The late period coincides with the Eburnean phase of de Kock et al. (2011) and can 390 be further subdivided into two age brackets, between ca. 2130-2090 Ma (Figure 11-B) 391 dominated by craton wide magmatic activity, and 2090-2050 Ma (Figure 11-C) where 392 393 magmatic activity was predominantly concentrated in the western portion of the craton. As observed in figures 2 and 11 emplacement and deformation events did not occurred 394 395 synchronously across the study area and it is clear that diachronism between east and west 396 presents difficulties in the definition of the Eoeburnean and Eburnean phases across the study area as summarized in Lambert-Smith et al. (2016). 397

Additionally, when all magmatic, metamorphic and detrital zircon ages are plotted as a 398 function of longitude for the whole southern West African Craton (Figure 12-A), it is possible 399 to define the onset and cessation of magmatic activity as a function of distance across the 400 southern West African Craton. This reveals an apparent offset of 50 Myrs in the beginning and 401 end of magmatism between the eastern and western part of the Baoulé-Mossi domain (Figure 402 12-B). Such patterns indicate that magmatic activity progressively retreated from east to west 403 404 across the southern West African Craton at a rate of approximately 35 km/Myr (Section 6). This inference is strengthened by the fact that 95 % of the plotted ages lie above the dashed 405 406 bottom arrow in Figure 12-B, which shows the diachronism in the onset and offset-cessation of magmatism. 407

408

#### 409 5. 4 Zircon inheritance

The majority of the inherited zircons are within 50 Myrs or less of the crystallization 410 ages of the individual intrusions, and mostly occur across southern Mali and to a lesser extent 411 in the easternmost portion of Burkina Faso, across the Goren/Po-Tenkodogo-Yamba and 412 Belahouro belts. Inheritance is mainly present in samples younger than ca. 2130 Ma. Only a 413 limited number of samples have inherited cores/grains (30 out 90 samples), of which a half (15 414 samples) have inherited material older than 2200 Ma. The previous findings are in agreement 415 with studies along the southern margin of the Bole-Nangodi Belt of northern Ghana, where de 416 417 Kock et al (2011) identified Eoeburnean inheritance in intrusions up to 2130 Ma.

Only 4 samples (KADD119-M, KL000274, ML12-078 in Mali, and BF9 in Burkina
Faso) assimilated Archean crust, <u>as indicated by inherited zircons</u> with ages between ca. 3700
and 2500 Ma. Evaluation of rejected discordant analyses (criteria explained in Appendix A)
does not reveal age groups different from the inferred crystallization ages, or from the reported
inherited ages (Table 3).

423 With the exception of de Kock, (2011) and Lambert-Smith et al. (2016) that-who identified inherited Archean zircons, in northern Ghana and in the Kédougou-Kéniéba and 424 Kayes Inliers of Mali, respectively early studies failed to identify Archean inheritance. The 425 absence of Archean crust has been used to argue that the Baoulé-Mossi domain was mostly the 426 result of juvenile magmatic activity (Abouchami et al., 1990; Boher et al., 1992; Tapsoba et 427 al., 2013). The present study identified 2 zircon grains with ages between ca. 3600 and 3500 428 429 Ma, 1 grain at ca. 2880 Ma and 3 grains that yield ages between ca. 2600-2500 Ma; these are from across the Goren/Po-Tenkodogo-Yamba region and Belahouro Belts in Burkina Faso and 430 431 in the Yanfolila Belt in southwestern Mali (Table 3).

432

## 433 *5.4.1 Possible origin of the zircon inheritance*

Two scenarios are envisaged to explain the zircon inheritance found in some samples: 434 1) assimilation of older crust by ascending magmas (contamination of ascending magmas by 435 older basement rocks); and 2) assimilation from a sedimentary source where they were detrital 436 grains. Both scenarios could potentially be the result of Eburnean orogenesis. According to 437 Baratoux et al. (2011), Tshibubudze et al. (2013) and (2015) eastern Burkina Faso was subject 438 to an early compressional event (2200-2160 Ma) that led to significant shortening and crustal 439 thickening. Across southern Mali, Liégeois et al. (1991) also identified deformation events 440 441 across southern Mali that resulted in intense folding and thickening and, plausibly, subsequent 442 uplift. Recently, Block et al. (2015), (2016a), (2016b) described the implications of compressional deformation across northern Ghana and southwest Burkina Faso. These 443 compressional events resulted in significant crustal thickening. Crustal thickening provides a 444 way to underthrust and uplift sedimentary rocks, and allows greater interaction between the 445 older basement rocks and ascending magmas, facilitating the entrainment of older zircons. 446

The interleaving of Archean-Paleoproterozoic crust appears, to be limited and with the 447 exception of western Côte d'Ivoire, surface expressions indicate a relatively sharp, well 448 constrained Archean-Paleoproterozoic geological boundary (Eglinger et al., 2016), although 449 this may not be the case at depth. In addition, within the study area, there is no geochronological 450 or field evidence for the existence of large Archean exposures, arguing against the 451 Paleoproterozoic Baoulé-Mossi domain having underthrust the Archean Kénéma-Man domain. 452 453 If in contrast, the Archean block was overridden by, or resurfaced by, the Paleoproterozoic assemblage, it is likely that the juvenile magmas would have interacted with Archean crustal 454 455 fragments during their ascent, potentially entraining the older zircons. This hypothesis is at odds with the majority of published isotope Nd and Hf isotope data that advocates a 456 predominately juvenile origin with limited amount of reworked crust (e.g. Abati et al., 2012; 457 458 Abouchami et al., 1990; Boher et al., 1992; Petersson et al., 2016; Tapsoba et al., 2013; Taylor et al., 1992). 459

Alternatively, if the inherited ages are the result of reworking sedimentary rocks it is 460 necessary to account for long distance transport of detritus now represented by the inherited 461 components. The present geological configuration indicates that the distance between the 462 Banfora and Yanfolila belts is over 300 km, whereas the distance from the known Archean 463 Kénéma-Man domain and the Yanfolila Belt is over 80 km. It is expected that these distances 464 were greater at the time of emplacement at ca. 2200-2000 Ma. The uplifted units following 465 466 crustal thickening would have been eroded more easily, thus providing a source for the inherited zircon grains. This scenario provides a possible source for the Paleoproterozoic 467 inheritance found across the western portion of the study area, as zircons from the early 468 469 magmatic episode (ca. 2300-2130 Ma) are incorporated into magmatic intrusions emplaced after ca. 2130 Ma. Conversely, in the case of Archean inherited ages from across Burkina Faso 470 a plausible source of transported grains would be the Archean basement identified within the 471

Nigerian Shield, as reported by Bruguier et al. (1994) and Kröner et al. (2001) or previously unrecognized Archean slivers. The most likely source of inherited grains in the Mali samples is the Archean Kénéma-Man domain. We note that incorporation of older zircon cores from the reworking of sedimentary rocks is a testable hypothesis – in this case, the emplacementaged zircons of the host granite should have high  $\delta^{18}$ O values -(e.g. Hawkesworth and Kemp, 2006; Kemp et al., 2007, 2009; Valley, 2003; Valley et al., 1994).

478

## 479 <u>6 Tectonic implications and accretionary model</u>

480 The crustal evolutionary patterns of the southern West African Craton, and in particular of the Baoulé-Mossi domain, reflect a complex assemblage (puzzle) that requires 481 understanding of the spatial and temporal distribution of emplacement ages and the presence 482 483 of inherited zircon grains. During the Phanerozoic, migrating magmatic fronts and abrupt 484 cessations of magmatic activity, as inferred here, have been associated with arc type systems, such as the Andes in central Chile (Hildreth and Moorbath, 1988) and South China, where flat 485 slab subduction has been proposed (Li and Li, 2007). It is possible that similar accretionary 486 processes shaped the crustal evolution of the southern West African Craton 487

488 An If under such accretionary process may have involved at least two crustal blocks that join to formed the Baoulé-Mossi domain. During the Eoeburnean magmatic phase the 489 490 magmatic activity was mainly concentrated in the easternmost block of the study area (minor 491 peak at ca. 2170 Ma, figure 10). As the magmatic activity migrated westward a large pulse of magmatism is identified at around ca. 2135 Ma, potentially heralding preceding the docking of 492 the two blocks at ca. 2130 Ma. After ca. 2130 Ma the magmatic activity appears concentrated 493 494 in the westernmost region with peak magmatism at ca. 2090 Ma. The inherited age pattern is the result of the younger magmas sampling material derived from the easternmost portion 495 suggest the westward migration of the magmatic front (Figure 13). Recently, Block et al. 496

(2016a) proposed a collision model between blocks in Ghana and Burkina Faso/Côte d'Ivoire.
We suggest that the Paleoproterozoic Baoulé-Mossi domain was the result of the accretion of
at least two crustal blocks that were subsequently amalgamated with the Archean Kénéma-Man
domain (Figure 13).

The boundary between these inferred crustal blocks is based on the distribution of intrusion 501 502 emplacement ages and inherited zircons. East of the Banfora-Bagoe belts, intrusion ages are 503 predominantly older than ca. 2130 Ma, mostly free of inheritance, while to the west the ages are predominantly younger than ca. 2130 Ma and commonly contain an inherited component. 504 Multiple crustal blocks explain the occurrences of inherited ages between ca. 2250 and 2150 505 Ma across Southern Mali, due to potential crustal thickening and subsequent underthrusting or 506 uplift and erosion of older crust (section 5.4.1). Certainly, across southern Mali this study and 507 previous studies (e.g. Feybesse et al. (2006b), (2006c)) have identified ages between ca. 2215 508 and 2150 Ma, but the geographical distribution and number of identified intrusions within that 509 510 range does not account for the relatively widespread inheritance across southern Mali. Subsequently, the Paleoproterozoic crustal blocks of the Baoulé-Mossi domain, proposed here 511 were accreted into the Archean Kénéma-Man domain. 512

513

#### 514 <u>7 Conclusions</u>

The new data presented in this study support observations that the Paleoproterozoic
portion of the southern West African Craton developed during an accretion process, as follows:
Evaluation of all zircon ages (magmatic, metamorphic and detrital) plotted as a function
of longitude supports the notion that the Paleoproterozoic Baoulé-Mossi domain
underwent a diachronous evolution reflected by a westward migration of the magmatic
front. It also highlights an abrupt cessation and retreat of activity across the southern
West African Craton that started around ca. 2100 Ma at the eastern end of the craton

**Commented [JL2]:** I would say predominantly older than 2090 Ma – the 2090 to 2130 Ma map still has a large number of age data indicated in the eastern region....

and ended at ca. 2050 Ma at the westernmost portion. This retreat is represented by a westward migration of the magmatic front of approximately 35 km/Myr and is analogousue to that shown by Phanerozoic subduction- accretion systems as described by e.g. Li and Li<sub>5</sub> (2007) and Hildreth and Moorbath; (1988).

- The offset of magmatism and distribution of inherited zircons indicates that the
   Paleoproterozoic domain part of this study was composed of at least two crustal blocks
   with the boundary probably located between the Banfora and Bagoe belts.
- An accretionary process might have started as early as ca. 2175 Ma. At this time a minor
   peak of magmatic activity is identified east of the Banfora Belt.
- Early peak metamorphism identified at ca. 2130 Ma (Block et al., 2015) is taken as an 531 indication of the timing at which the two blocks were docked and it coincides with peak 532 magmatism in the eastern portion of the study area. Intrusions younger than ca. 2130 533 534 Ma generally contain inherited grains with ages up to 2250 Ma. This suggests that the crust was thicker after that time, allowing for incorporation of older components, which 535 536 is also consistent with an accretionary model. Additionally the distribution of inherited 537 ages up to ca. 2250 Ma indicates that the ca. 2130 Ma magmas interacted with, or sampled sediments derived from, previously emplaced intrusions with ages between ca. 538 2250 and 2150 Ma. 539 These observations are consistent with an arc type environment, as suggested by e.g. 540
- Ama Salah et al. (1996), Béziat et al. (2000), Sylvester and Attoh (1992), Abati et al. (2012),
  Block et al. (2015) and (2016b), Lambert-Smith et al. (2016), Petersson et al. (2016) and
- 543 Tapsoba et al. (2013). are type environment, as suggested by e.g. <u>Ama Salah et al. (1996)</u>,
- 544 Béziat et al. (2000), Sylvester and Attoh (1992), Abati et al. (2012), Block et al. (2015),
- 545 Lambert-Smith et al. (2016), Petersson et al. (2016) and Tapsoba et al. (2013), and Block et al.
- 546 <u>(2016b)</u>.

**Commented [JL3]:** Sort out repetition here.

This study identified Archean zircon inheritance, particularly in the <2130 Ma 547 intrusions. These occurrences could imply a greater involvement of Archean crust in the 548 Paleoproterozoic granitic magmas than previously proposed. Recent studies, Abati et al. 549 (2012), Begg et al. (2009) and Petersson et al. (2016), have also advocated a greater role of 550 Archean crust, and future isotope studies are required to evaluate this further. Ultimately, 551 however, the distribution and scarcity of Archean inheritance points toward a predominately 552 553 juvenile crustal growth during the Paleoproterozoic across the Baoulé-Mossi domain, as long argued by Nd and Hf isotope studies (e.g. Abati et al., 2012; Abouchami et al., 1990; Boher et 554 555 al., 1992; Tapsoba et al., 2013; Taylor et al., 1992).

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# 572 <u>GEMOC Key Centre (http://www.gemoc.mq.edu.au).</u>"This is the CCFS contribution number 573 XXXXXX.

574

#### 575 <u>9 Tables, Figures and Supplementary Materials</u>

- 576 *Table 1* Sample information, location, rock type and basic field description as part of the present study.
- 577 *Table 2* Summary of main mineralogical characteristics by volcanic belt or geologic region of interest.
- 578 *Table 3* Summary of interpreted crystallization ages and identified inherited ages.
- Figure 1 A) Simplified geological map of the West African craton after Boher et al. (1992) Sketch shows the
  extension of the Leo-Man rise in the southern portion of the craton, defined by the Archean Kénéma-Man and
  Paleoproterozoic Baoulé-Mossi domain. Boxed area shown in detail in insert B; B) Simplified geological map,
  after Lebrun et al. (2016) of the study areas delineated in insert A. Zone 1 covers Burkina Faso, Mali northern
  Ghana and eastern Guinea, while zone 2 covers a portion of the Ashanti belt in southern Ghana. Map includes
  major structures and samples collected for geochronological work.
- Figure 2 Simplified lithostratigraphic, deformation, geochronological chart highlighting geologic areas of
  interest for the present study, showing the timing of emplacement of the studied felsic intrusions. Modified after
  Baratoux et al. (2011), Block et al. (2015), (2016b), Lebrun et al. (2016), Miller et al. (2013), Perrouty et al.
  (2012), (2015), Miller et al. (2013) and Tshibubudze et al. (2015).
- Figure 3 A) Characteristic rock exposure found across southern Mali and Burkina Faso; B) Granitic intrusion
  mostly composed of a fine grained quartz matrix, mineral assemblage includes biotite, quartz, and plagioclase
  phenocrysts of 2 mm by 4 to 5 mm (ML12-080); C) Least deformed portion of the Diallo Granite, which is quartzfeldspar-biotite rich (SU-021); and D) A granite, of equigranular texture, fine to medium grained. K-feldspar
  dominated, quartz and some plagioclase, black minerals are mostly biotite (ML12-105). All images refer to
  exposures in southern Mali.
- Figure 4 Thin section images in XPL of characteristic samples showing mineral composition of rock samples
  identified across the study area; A) Major minerals, K-feldspar, quartz, plagioclase, biotite, small amounts of
  hornblende. Chlorite, sericitic alteration and traces of sulphides, other minerals include zircons, titanite and some
  hematite (ML12-068); B) Quartz, plagioclase, small amounts of K-feldspar, traces of pyrite and chalcopyrite,
  biotite and hornblende (SU\_002); C) Angular K-feldspar crystals, minor amounts of plagioclase, relatively large
  amounts of brownish red biotite and some hornblende, chlorite and quartz (SU 001); D) Sericitic alteration,
- 601 primary structures relatively easy to identify, mainly composed of large plagioclase crystals within a quartz matrix

602 and traces of biotite, titanite, zircon, epidote and chlorite (BE5); E) Plagioclase, K-feldspar, quartz. Biotite is 603 common, small amounts of sericitic alteration, most feldspar crystals appear intact (ML12-104); F) Plagioclase 604 rich, original textures hard to identify due to pervasive sericitic alteration from the center of the crystals outwards, 605 amphibole (hornblende) in some cases visible alteration into chlorite, minor amounts of quartz and small amounts 606 of biotite, visible apatite/zircons, and additionally extensive occurrence of opaque minerals, majority of which 607 appear to be pyrite (BNF150559); G) Quartz, plagioclase, biotite and muscovite. Quartz matrix is fine grained 608 when compared to the plagioclase crystals. Accessory minerals include titanite, zircon, chlorite, ilmenite, signs 609 of alteration some sericite visible (SU 007); and H) Quartz content between 5 to 15%, sample is plagioclase 610 dominated, k-feldspar is not visible as samples is strongly altered and it is difficult to identify minerals and 611 textures. Biotite and hornblende are also present. Alteration products are chlorite, epidote, and maybe actinolite 612 (ML12-086).

613 Figure 5 Selected zircon images showing the different morphological characteristics of zircon. A and B) Granites 614 from the Belahouro Belt; C) Granodiorite from the Boromo-Hounde belts; D and E) Represent zircons from a 615 diorite and a granite from the Banfora Belt; F) Zircon obtain from a granite of the Morila Belt; G, H, I and J) 616 Zircons representing a porphyry, two granites and a syenite representative of the Yanfolila Belt; and K, L and M) 617 Zircons from a granite, a dacite and a diorite from the Siguiri Basin. Notice that the zircons from granites and 618 granodiorites are mostly elongated and tabular, while the zircons from diorites are slightly more rounded and 619 display a faint zoning instead of the well-defined oscillatory zoning of zircons from the granites. Scale bar in all 620 images represents 100 µm.

- *Figure 6* A) Histogram showing new interpreted U-Pb crystallization ages distributed by belts and regions of
  geologic interest as described in the regional geology section; and B) Histogram showing the age distribution of
  the studied samples base on identified rock types.
- Figure 7 Age distribution by longitude color coded by volcanic belts and regions of geologic interest. A) Shows
  all ages while B) focuses on the age range between 2400 and 2000 Ma. Solid symbols represent U-Pb ages
  interpreted as crystallization ages; open symbols represent individual U-Pb analyses interpreted to represent
  inherited ages.
- Figure 8 Left Weight mean average age; right Concordia age plots. Black symbols are accepted analyses while
  red symbols represent rejected analyses. From top to bottom samples: across Burkina Faso, BF1 (Goren/PoTenkodogo-Yamba), BE5 (Belahouro Belt), HO629 (Boromo-Hounde belts). BNF 150559 (Banfora Belt) and
  from Mali ML12-086 (Bagoe Belt).

*Figure 9* Weight mean average age; right Concordia age plots. Black symbols are accepted analyses while red
symbols represent rejected analyses. Samples from across Mali: ML12-105 (Morila Belt), ML12-107 Bougouni
region, MWAXI-126 (Yanfolila Belt), and from Guinea, KL000565 (Siguiri Basin).

Figure 10 Relative probability density diagrams, top A) this study ages east of the Bagoe Belt dominated by ages
older than 2130 Ma Main peak ca. 2135 Ma, secondary peak at 2175 Ma; Bottom B) ages west of the Bagoe Belt
dominated by ages between ca. 2100 and 2070 with a major peak at ca. 2095 Ma. 2130 Ma boundary after peak
metamorphism exhumation of high-grade rocks identified by Block et al. (2015).

- Figure 11 Zircon and monazite U-Pb age distribution across the southern West African Craton for the period
  between 2250 and 2050 Ma. A)) Ages between 2300 and 2130 Ma, showing a marked concentration of ages in
  the eastern craton, and no recorded ages within the Archaean host rocks; B) Ages between 2130 and 2090 Ma,
  showing a uniform coverage of ages across craton for this age bracket, and several ages recorded within the
  Archaean host rocks; and C) Ages for the period 2090-2050 Ma, clearly showing that most ages are concentrated
  west of the Banfora-Bagoe belts in the westernmost portion of the study area. (520 ages from bibliography,
  Supplementary Material A).
- 646 Figure 12 Longitudinal variations in magmatic activity. A) Zircon and monazite U-Pb age distribution as a 647 function of longitude (520 ages from bibliography, Supplementary Material A, Table 1, WAXI II compilation and 648 this work). Notice this compilation only includes interpreted crystallization ages and metamorphic ages. Other 649 not specified refers to ages from which the reference does not clarifies specify source rock type or if it is a 650 crystallization or metamorphic age. The sharp cessation of magmatism across the craton is clearly defined, with 651 subsequent reworking limited to the margins of the craton, dashed line; B) zircon and monazite U-Pb age 652 distribution as a function of longitude for the age bracket 2300-2000 Ma (455 ages) (Table 1, WAXI II age 653 compilation and this work). The progressive cessation of the magmatic activity from east to west during this period 654 in the southern West African Craton equates to a migration of approximately 35 km/Myr. Over 95% of all ages 655 plot above the offset of magmatism line "magmatic front" (dashed bottom arrow).
- Figure 13 Schematic cartoon showing the proposed boundaries and crustal blocks. Top, shows the Archean
  Kénéma-Man and the Baoulé-Mossi domain. The Baoulé-Mossi domain, which is divided into two blocks during
  the period 2160-2130 Ma. During the mentioned period the assemblage blocks is are affected by compressional
  forces, first N-S (D1) as mentioned described by Baratoux et al. (2011), Block et al. (2016a), and Perrouty et al.
  (2012) the followed by a E-W compression (D2) (Baratoux et al., 2011; Block et al., 2016a; Perrouty et al., 2012).
  Density of the dot pattern indicates distribution of magmatic activity. Greater density = greater magmatism, and

- less density = less magmatism; and Bottom shows the amalgamation of the Paleoproterozoic blocks under a D2
- 663 compressions for the period 2130-2110 Ma. Notice the occurrence of inherited grains. Inheritance is mainly
- 664 concentrated in the eastern portion of the Baoulé-Mossi and predominately represented by ages between ca. 2500
- and 2125 Ma which are common crystallization ages across the easternmost portion of the study area, indicating
- that the western block is contaminated by crustal material derived from the eastern block.
- 667 Supplementary Material A. Summary of published ages. The ages include emplacement and metamorphic events
- 668 as well as multiple dating methods. Blank spaces indicate a lack of available information in the data source.
- 669 Supplementary Material B. Raw SHRIMP U-Pb data.
- 670 Supplementary Material C. Raw LA-ICP-MS data.
- 671

#### 672 **<u>10 Appendix A – Sample Preparation and Analytical Methods.</u>**

#### 673 A.1 Zircon mount preparation

The epoxy mounts are discs of 5 mm thick by 25 mm diameter. Three to four samples 674 were placed in each mount. Chips of the primary zircon standards BR266 (559 Ma, 903 U ppm; 675 Stern (2001)) or M257 (561.3 Ma and 840 ppm; Nasdala et al. (2008)), were used for U/Pb 676 calibration. Accuracy and reproducibility was monitored by including the secondary zircon 677 standards OGC1 (3465 Ma; Stern et al. (2009)), and Temora2 (416.8 Ma; Black et al. (2004)). 678 In addition chips of the silicate glass NIST 610 were included in the mounts for instrument set-679 up purposes. The mounts were polished with diamond film polishing mats as fine as 0.5 µm. 680 681 Subsequently, the epoxy discs were cleaned using ethanol and petroleum spirits, a soap solution, and rinsed with deionized water in an ultrasonic bath. Mounts were oven dried (1 hour 682 at 60°C) and the analytical surface was coated with a 40 µm gold layer. Detailed mounting 683 684 procedures and preparation can be reviewed in Claoué-Long et al. (1995).

Mounts were imaged using the backscattered electron and cathodoluminescence detectors of a JEOL 6400 Scanning Electron Microscope (SEM) or a VEGA 3 Tescan SEM at the Centre for Microscopy, Characterization and Analysis (CMCA), University of Western Australia (UWA). The acquired images allowed the identification of internal structures. Grains showing a large number of cracks or obvious radiation damage were not analyzed.

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# 691 A.2 Sensitive High Resolution Ion Micro Probe (SHRIMP) dating

Zircon mounts were analyzed by means of Sensitive High Resolution Ion Micro Probe 692 (SHRIMP II) at the John de Laeter (JDL) Centre for Isotope Research of Curtin University, 693 Perth, Australia. Details of instrument operating conditions are described in De Laeter and 694 695 Kennedy (1998) and Kennedy and De Laeter (1994) while analytical conditions are described in detail in Claoué-Long et al. (1995), Compston et al. (1984), and Williams (1988). The 696 697 analytical procedure usually includes the use of a 25-30 µm diameter elliptical spot due to a mass-filtered  $(O_2)^-$  primary beam between 2.0 and 2.5 nA. Each dataset included six scans 698 699 through the mass range of  ${}^{196}$ Zr<sub>2</sub>O<sup>+</sup> (2 seconds),  ${}^{204}$ Pb<sup>+</sup> (10 seconds), background (204.1) (10 seconds), <sup>206</sup>Pb<sup>+</sup> (20 seconds), <sup>207</sup>Pb<sup>+</sup> (30 seconds), <sup>208</sup>Pb<sup>+</sup> (10 seconds), <sup>238</sup>U<sup>+</sup> (5 seconds), 700 <sup>248</sup>ThO<sup>+</sup> (5 seconds), and <sup>254</sup>UO<sup>+</sup> (2 seconds) (Nasdala et al., 2008). The data from each sample 701 were reduced using the excel-based add-in program SQUID version 2.2 (Ludwig, 2003). Data 702 703 reduction procedures were after Wingate and Kirkland (2014).

Zircon is a very resilient, refractory mineral that can survive partial melting and high 704 grade regional metamorphism without losing its isotopic information (Mezger and Krogstad, 705 1997 references therein; Scherer et al., 2007). However, low grade metamorphism, fluid 706 707 circulation and in some instances weathering can affect the U-Pb systematics, which results in 708 discordant U-Pb ages. These discordant ages are for the most part due to Pb-loss (Mezger and Krogstad, 1997 references therein). In order to minimize the difficulties associated with 709 potentially disturbed U-Pb systematics, for the purpose of this study U-Pb ages were only 710 711 calculated from concordant to near concordant grains (discordance between -5% and +10%). Additionally, analyses that comprise more than 1% of non-radiogenic <sup>206</sup>Pb (i.e., from common 712 lead) and yield U concentrations over a 1000 ppm were also rejected. 713

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## 715 A.3 LA-ICP-MS Zircon dating

Laser ablation U-Pb zircon dating was carried out at the GEMOC/CCFS Centre. The 716 method used an Agilent 7700 quadrupole Inducted Coupled Plasma Mass Spectrometer (ICP-717 MS) attached to a New Wave/Merchantek UP-213 laser ablation system ( $\lambda$ =213 nm). Beam 718 diameter was set at 30 or 40µm, based on zircon size. Beam repetition was set at 5 Hz rate and 719 720 energy around 0.06 µJ and 8 J/cm2. He was used as transport media, as it increases sample transport efficiency during the ablation process. Using He provides a more stable signal, and 721 722 therefore a more reproducible Pb/U fractionation. Additional description and details are founded in Belousova et al. (2010) and Jackson et al. (2004). 723

U-Pb data was determined by analyzing twelve unknown samples for every two 724 725 analyses of the GEMOC GJ-1 zircon standard (Elhlou et al., 2006). GJ-1, TIMS<sup>207</sup>Pb/<sup>206</sup>Pb age of 608.5 Ma (Jackson et al., 2004). Zircon standards 91500 (U-Pb age 1065 Ma, Wiedenbeck 726 et al., 1995) and Mud Tank (U-Pb age 732 Ma, Black and Gulson, 1978) were analyzed as 727 secondary control standards for reproducibility and instrument accuracy. U-Pb ages were 728 calculated from the raw signal data using the GLITTER software program after Griffin et al. 729 (2008). Further details on integrated ration, fractionation, time resolved intervals, and 730 instrumental mass bias and calibrating procedures are provided in Griffin et al. (2008) and 731 Jackson et al. (2004). Information on common-Pb correction procedures are provided in 732 733 Andersen (2002). Analyses reported in this study were corrected assuming recent Pb-loss and a common-Pb composition similar to present day average orogenic Pb as given by the second-734 stage growth curve of Stacey and Kramers (1975) for  ${}^{238}\text{U}/{}^{204}\text{Pb} = 9.74$ . No correction has been 735 applied to analyses that are concordant within  $2\sigma$  analytical error in  ${}^{206}Pb/{}^{238}U$  and  ${}^{207}Pb/{}^{235}U$ , 736 or which have less than 0.2% common-Pb. All described procedures are after Andersen et al. 737 738 (2004), Belousova et al. (2010), Griffin et al. (2008) and Jackson et al. (2004).

#### 740 <u>11 References</u>

- Abati, J., Aghzer, A.M., Gerdes, A., Ennih, N., 2012. Insights on the crustal evolution of the
  West African Craton from Hf isotopes in detrital zircons from the Anti-Atlas belt.
  Precambrian Research 212, 263-274.
- Abouchami, W., Boher, M., Michard, A., Albarede, F., 1990. A major 2.1 Ga event of mafic
  magmatism in west Africa: An Early stage of crustal accretion. Journal of Geophysical
  Research: Solid Earth 95, 17605-17629.
- Ama Salah, I., Liegeois, J.P., Pouclet, A., 1996. Evolution d'un arc insulaire océanique birimien
   précoce au Liptako nigérien (Sirba): géologie, géochronologie et géochimie. Journal of
   African Earth Sciences 22, 235-254.
- Andersen, T., 2002. Correction of common lead in U-Pb analyses that do not report <sup>204</sup>Pb.
  Chemical Geology. 192, 59-79.
- Andersen, T., Griffin, W.L., Jackson, S.E., Knudsen, T.L., Pearson, N.J., 2004. MidProterozoic magmatic arc evolution at the southwest margin of the Baltic Shield.
  Lithos. 73, 289-318.
- Attoh, K., 1982. Structure, gravity models and stratigraphy of an early Proterozoic volcanic—
  sedimentary belt in northeastern Ghana. Precambrian Research 18, 275-290.
- Baratoux, L., Metelka, V., Naba, S., Jessell, M.W., Grégoire, M., Ganne, J., 2011. Juvenile
  Paleoproterozoic crust evolution during the Eburnean orogeny (~2.2–2.0 Ga), western
  Burkina Faso. Precambrian Research 191, 18-45.

- Barker, F., 1979. Trondhjemite: definition, environment and hypotheses of origin.
  Trondhjemites, dacites and related rocks. Elsevier, Amsterdam 1, 12.
- Begg, G.C., Griffin, W.L., Natapov, L.M., O'Reilly, S.Y., Grand, S.P., O'Neill, C.J., Hronsky,
  J.M.A., Djomani, Y.P., Swain, C.J., Deen, T., Bowden, P., 2009. The lithospheric
  architecture of Africa: Seismic tomography, mantle petrology, and tectonic evolution.
  Geosphere 5, 23-50.
- Belousova, E., Kostitsyn, Y., Griffin, W.L., Begg, G.C., O'Reilly, S.Y., Pearson, N.J., 2010.
  The growth of the continental crust: constraints from zircon Hf-isotope data. Lithos,
  119. 457-466.

769 Bessoles, B., 1977. Géologie de l'Afrique: le craton ouest africain. B.R.G.M.

- Béziat, D., Bourges, F., Debat, P., Lompo, M., Martin, F., Tollon, F., 2000. A Paleoproterozoic
  ultramafic-mafic assemblage and associated volcanic rocks of the Boromo greenstone
  belt: fractionates originating from island-arc volcanic activity in the West African
  craton. Precambrian Research 101, 25-47.
- Béziat, D., Dubois, M., Debat, P., Nikiéma, S., Salvi, S., Tollon, F., 2008. Gold metallogeny
  in the Birimian craton of Burkina Faso (West Africa). Journal of African Earth Sciences
  50, 215-233.
- Black, L.P., Kamo, S.L., Allen, C.M., Davis, D.W., Aleinikoff, J.N., Valley, J.W., Mundil, R.,
  Campbell, I.H., Korsch, R.J., Williams, I.S., Foudoulis, C., 2004. Improved <sup>206</sup>Pb/<sup>238</sup>U
  microprobe geochronology by the monitoring of a trace-element-related matrix effect;
  SHRIMP, ID–TIMS, ELA–ICP–MS and oxygen isotope documentation for a series of
  zircon standards. Chemical Geology. 205, 115-140.

782	Block, S., Baratoux, L., Zeh, A., Laurent, O., Bruguier, O., Jessell, M., Ailleres, L., Sagna, R.,
783	Parra-Avila, L.A., Bosch, D., 2016a. Paleoproterozoic juvenile crust formation and
784	stabilisation in the south-eastern West African Craton (Ghana); New insights from U-
785	Pb-Hf zircon data and geochemistry. Precambrian Research 287, 1-30.

- Block, S., Ganne, J., Baratoux, L., Zeh, A., Parra-Avila, L.A., Jessell, M., Ailleres, L.,
  Siebenaller, L., 2015. Petrological and geochronological constraints on lower crust
  exhumation during Paleoproterozoic (Eburnean) orogeny, NW Ghana, West African
  Craton. Journal of Metamorphic Geology 33, 463-494.
- Block, S., Jessell, M., Aillères, L., Baratoux, L., Bruguier, O., Zeh, A., Bosch, D., Caby, R.,
  Mensah, E., 2016b. Lower crust exhumation during Paleoproterozoic (Eburnean)
  orogeny, NW Ghana, West African Craton: Interplay of coeval contractional
  deformation and extensional gravitational collapse. Precambrian Research 274, 82-109.
- Boher, M., Abouchami, W., Michard, A., Albarede, F., Arndt, N.T., 1992. Crustal growth in
  West Africa at 2.1 Ga. Journal of Geophysical Research: Solid Earth 97, 345-369.
- Bruguier, O., Dada, S., Lancelot, J., 1994. Early Archaean component (> 3.5 Ga) within a 3.05
  Ga orthogneiss from northern Nigeria: U-Pb zircon evidence. Earth and Planetary
  Science Letters 125, 89-103.
- Castaing, C., Billa, M., Milési, J.P., Thiéblemont, D., Le Métour, J., Egal, E., Donzeau, M.,
  (BRGM) (coordonnateurs), G.C., Cocherie A, Chévremont P, Tegyey M, Itard Y
  (BRGM), Zida B, Ouédraogo I, Koté S, Kaboré BE, Ouédraogo C (BUMIGEB), Ki JC,
  Zunino C (ANTEA), 2003. Notice explicative de la carte géologique et miniére du
  Burkina Faso a` 1/1 000 000, in: BRGM (Ed.), Orléans, France,, p. 147.

804	Cawood, P.A., Kröner, A., Collins, W.J., Kusky, T.M., Mooney, W.D., Windley, B.F., 2009.
805	Accretionary orogens through Earth history. Geological Society, London, Special
806	Publications 318, 1-36.
807	Claoué-Long, J.C., Compston, W., Roberts, J., Fanning, C.M., 1995. Two Carboniferous ages:
808	a comparison of SHRIMP zircon dating with conventional zircon ages and <sup>40</sup> Ar/ <sup>39</sup> Ar
809	analysis, in Time Scales and Global Stratigraphic Correlation edited by WA Berggren,

- B10 DV Kent, M-P Aubrey, and J Hardenbol. Society for Sedimentary Geology, Special
  B11 Publication 54, 3-21.
- Compston, W., Williams, I., Meyer, C., 1984. U-Pb geochronology of zircons from lunar
  breccia 73217 using a sensitive high mass-resolution ion microprobe. Journal of
  Geophysical Research: Solid Earth (1978–2012). 89, B525-B534.
- Condie, K.C., 1998. Episodic continental growth and supercontinents: a mantle avalanche
  connection? Earth and Planetary Science Letters 163, 97-108.
- 817 Condie, K.C., O'Neill, C., Aster, R.C., 2009. Evidence and implications for a widespread
  818 magmatic shutdown for 250 My on Earth. Earth and Planetary Science Letters 282,
  819 294-298.
- Davis, D.W., Hirdes, W., Schaltegger, U., Nunoo, E.A., 1994. U-Pb age constraints on
  deposition and provenance of Birimian and gold-bearing Tarkwaian sediments in
  Ghana, West Africa. Precambrian Research 67, 89-107.
- de Kock, G.S., Armstrong, R.A., Siegfried, H.P., Thomas, E., 2011. Geochronology of the
  Birim Supergroup of the West African craton in the Wa-Bolé region of west-central

- 825 Ghana: Implications for the stratigraphic framework. Journal of African Earth Sciences826 59, 1-40.
- de Kock, G.S., Théveniaut, H., Botha, P.M.W., Gyapong, W., 2012. Timing the structural
  events in the Palaeoproterozoic Bolé–Nangodi belt terrane and adjacent Maluwe basin,
  West African craton, in central-west Ghana. Journal of African Earth Sciences 65, 124.
- Bater, J.R., Kennedy, A.K., 1998. A double focusing mass spectrometer for
  geochronology. International Journal of Mass Spectrometry. 178, 43-50.
- Biggin De Waele, B., Lacorde, M., Vergara, F., Chan, G., 2015. New insights on proterozoic tectonics
  and sedimentation along the peri-Gondwanan West African margin based on zircon UPb SHRIMP geochronology. Precambrian Research 259, 156-175.
- Boumbia, S., Pouclet, A., Kouamelan, A., Peucat, J.J., Vidal, M., Delor, C., 1998. Petrogenesis
  of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West
  Africa: geochemistry and geochronology. Precambrian Research 87, 33-63.
- Egal, E., Thiéblemont, D., Lahondère, D., Guerrot, C., Costea, C.A., Iliescu, D., Delor, C.,
  Goujou, J.-C., Lafon, J.M., Tegyey, M., Diaby, S., Kolié, P., 2002. Late Eburnean
  granitization and tectonics along the western and northwestern margin of the Archean
  Kénéma–Man domain (Guinea, West African Craton). Precambrian Research 117, 57843
- <u>Eglinger, A., Thébaud, N., Zeh, A., Davis, J., Miller, J., Parra-Avila, L.A., Loucks, R.,</u>
  <u>McCuaig, C., Belousova, E., 2017. New insights into the crustal growth of the</u>

- 846 <u>Paleoproterozoic margin of the Archean Kéména-Man domain, West African craton</u>
  847 (Guinea): Implications for gold mineral system. Precambrian Research 292, 258-289.
- Elhlou, S., Belousova, E., Griffin, W.L., Pearson, N.J., O'Reilly, S.Y., 2006. Trace element
  and isotopic composition of GJ-red zircon standard by laser ablation. Geochimica et
  Cosmochimica Acta. 70, A158.
- Feybesse, J.L., Billa, M., Guerrot, C., Duguey, E., Lescuyer, J.L., Milési, J.P., Bouchot, V.,
  2006a. The paleoproterozoic Ghanaian province: Geodynamic model and ore controls,
  including regional stress modeling. Precambrian Research 149, 149-196.
- Feybesse, J.L., Sidibé, Y., Konaté, C., Lacomme, A., Zammit, C., Guerrot, C., Liégeois, J.P.,
  De Waele, B., 2006b. Notice explicative de la Carte géologique de la République du
  Mali à 1/200 000, Feuille n° NC-29-XVII, Tienko.–Bamako (Mali).
- Feybesse, J.L., Sidibé, Y., Konaté, C., Lacomme, A., Zammit, C., Guerrot, C., Liégeois, J.P.,
  De Waele, B., 2006c. Notice explicative de la Carte géologique de la République du
  Mali à 1/200 000, Feuille n° NC-29-XVIII, Tingréla.–Bamako (Mali).
- Ganne, J., Gerbault, M., Block, S., 2014. Thermo-mechanical modeling of lower crust
  exhumation-Constraints from the metamorphic record of the Palaeoproterozoic
  Eburnean orogeny, West African Craton. Precambrian Research 243, 88-109.
- Gasquet, D., Barbey, P., Adou, M., Paquette, J.L., 2003. Structure, Sr-Nd isotope geochemistry
  and zircon U-Pb geochronology of the granitoids of the Dabakala area (Côte d'Ivoire):
  evidence for a 2.3 Ga crustal growth event in the Palaeoproterozoic of West Africa?
  Precambrian Research 127, 329-354.

867	Griffin, W., Powell, W., Pearson, N., O'Reilly, S., 2008. GLITTER: data reduction softwar
868	for laser ablation ICP-MS. Laser Ablation-ICP-MS in the Earth Science
869	Mineralogical Association of Canada Short Course Series. 40, 204-207.

Gueye, M., Siegesmund, S., Wemmer, K., Pawlig, S., Drobe, M., Nolte, N., Layer, P., 2007.

- New evidences for an early Birimian evolution in the West African Craton: An example
  from the Kédougou-Kénieba inlier, southeast Senegal. South African Journal of
  Geology 110, 511-534.
- Hammond, N.Q., Robb, L., Foya, S., Ishiyama, D., 2011. Mineralogical, fluid inclusion and
  stable isotope characteristics of Birimian orogenic gold mineralization at the Morila
  Mine, Mali, West Africa. Ore Geology Reviews 39, 218-229.
- Hawkesworth, C.J., Kemp, A.I.S., 2006. Using hafnium and oxygen isotopes in zircons to
  unravel the record of crustal evolution. Chemical Geology 226, 144-162.
- Hein, K.A.A., 2010. Succession of structural events in the Goren greenstone belt (Burkina
  Faso): Implications for West African tectonics. Journal of African Earth Sciences 56,
  881 83-94.
- Hein, K.A.A., Morel, V., Kagoné, O., Kiemde, F., Mayes, K., 2004. Birimian lithological
  succession and structural evolution in the Goren segment of the Boromo-Goren
  Greenstone Belt, Burkina Faso. Journal of African Earth Sciences 39, 1-23.
- Hildreth, W., Moorbath, S., 1988. Crustal contributions to arc magmatism in the Andes of
  central Chile. Contributions to mineralogy and petrology 98, 455-489.
| 887 | Hirdes, W., Davis, D., Eisenlohr, B., 1992. Reassessment of Proterozoic granitoid ages in |
|-----|---|
| 888 | Ghana on the basis of U-Pb zircon and monazite dating. Precambrian Research 56, 89-       |
| 889 | 96.   |

Hirdes, W., Davis, D.W., 2002. U-Pb geochronology of Paleoproterozoic rocks in the southern
part of the Kedougou-Kéniéba Inlier, Senegal, West Africa: Evidence for diachronous
accretionary development of the Eburnean Province. Precambrian Research 118, 8399.

- Hirdes, W., Davis, D.W., Lüdtke, G., Konan, G., 1996. Two generations of Birimian
  (Paleoproterozoic) volcanic belts in northeastern Côte d'Ivoire (West Africa):
  consequences for the 'Birimian controversy'. Precambrian Research 80, 173-191.
- Jackson, S.E., Pearson, N.J., Griffin, W.L., Belousova, E.A., 2004. The application of laser
  ablation-inductively coupled plasma-mass spectrometry to in situ U-Pb zircon
  geochronology. Chemical Geology. 211, 47-69.
- Junner, N., 1940. Geology of the Gold Coast and Western Togoland with revised geological
  map. Gold Coast, Geological Survey.
- Junner, N., 1954. Notes on the classification of the Precambrian of West Africa. XIX
  International Geological Congress. Algiers 20, 114-117.
- Kemp, A.I.S., Foster, G.L., Scherstén, A., Whitehouse, M.J., Darling, J., Storey, C., 2009.
  Concurrent Pb-Hf isotope analysis of zircon by laser ablation multi-collector ICP-MS,
  with implications for the crustal evolution of Greenland and the Himalayas. Chemical
  Geology 261, 244-260.

908	Kemp, A.I.S., Hawkesworth, C.J., Foster, G.L., Paterson, B.A., Woodhead, J.D., Hergt, J.M.,
909	Gray, C.M., Whitehouse, M.J., 2007. Magmatic and crustal differentiation history of
910	granitic rocks from Hf-O isotopes in zircon. Science 315, 980-983.

- Kennedy, A., De Laeter, J., 1994. The performance characteristics of the WA SHRIMP II ion
  microprobe. Unite States Geological Survey Circular. 1107, 16.
- 913 Kesse, G.O., 1985. The mineral and rock resources of Ghana.
- Kitson, A.E., 1918. Annual Report. Gold Coast Geological Survey for 1916/17, Accra. (non
  publ.), Accra.
- Kröner, A., Ekwueme, B.N., Pidgeon, R.T., 2001. The oldest rocks in West Africa: SHRIMP
  zircon age for early Archean migmatitic orthogneiss at Kaduna, northern Nigeria. The
  Journal of Geology 109, 399-406.
- Lahondère, D., Thiéblemont, D., Tegyey, M., Guerrot, C., Diabate, B., 2002. First evidence of
  early Birimian (2.21 Ga) volcanic activity in Upper Guinea: the volcanics and
  associated rocks of the Niani suite. Journal of African Earth Sciences 35, 417-431.
- Lambert-Smith, J.S., Lawrence, D.M., Müller, W., Treloar, P.J., 2016. Palaeotectonic setting
  of the south-eastern Kédougou-Kéniéba Inlier, West Africa: New insights from igneous
  trace element geochemistry and U-Pb zircon ages. Precambrian Research 274, 110-135.
- Lebrun, E., Thébaud, N., Miller, J., Ulrich, S., Bourget, J., Terblanche, O., 2016.
  Geochronology and lithostratigraphy of the Siguiri district: Implications for gold
  mineralisation in the Siguiri Basin (Guinea, West Africa). Precambrian Research 274,
  136-160.

- Leube, A., Hirdes, W., Mauer, R., Kesse, G.O., 1990. The early Proterozoic Birimian
  Supergroup of Ghana and some aspects of its associated gold mineralization.
  Precambrian Research 46, 139-165.
- Li, Z.X., Li, X.H., 2007. Formation of the 1300-km-wide intracontinental orogen and
  postorogenic magmatic province in Mesozoic South China: A flat-slab subduction
  model. Geology 35, 179-182.
- Liégeois, J.P., Claessens, W., Camara, D., Klerkx, J., 1991. Short-lived Eburnian orogeny in
  southern Mali. Geology, tectonics, U-Pb and Rb-Sr geochronology. Precambrian
  Research 50, 111-136.
- Lompo, M., 2009. Geodynamic evolution of the 2.25-2.0 Ga Palaeoproterozoic magmatic rocks
  in the Man-Leo Shield of the West African Craton. A model of subsidence of an oceanic
  plateau. Geological Society, London, Special Publications 323, 231-254.
- Ludwig, K.R., 2003. User's manual for Isoplot 3.00: a geochronological toolkit for Microsoft
  Excel. Kenneth R. Ludwig.
- McFarlane, C.R.M., Mavrogenes, J., Lentz, D., King, K., Allibone, A., Holcombe, R., 2011.
  Geology and intrusion-related affinity of the Morila Gold Mine, Southeast Mali.
  Economic Geology 106, 727-750.
- Metelka, V., Baratoux, L., Naba, S., Jessell, M.W., 2011. A geophysically constrained lithostructural analysis of the Eburnean greenstone belts and associated granitoid domains,
  Burkina Faso, West Africa. Precambrian Research 190, 48-69.
- Mezger, K., Krogstad, E.J., 1997. Interpretation of discordant U-Pb zircon ages: An evaluation.
  Journal of Metamorphic Geology. 15, 127-140.

951	Milési, J., Feybesse, J., Pinna, P., Deschamps, Y., Kampunzu, H., Muhongo, S., Lescuyer, J.,
952	Le Goff, E., Delor, C., Billa, M., 2004. Geological map of Africa 1: 10,000,000,
953	SIGAfrique project, 20th Conference of African Geology, BRGM, Orléans, France, pp.
954	2-7.

- Milési, J.P., Ledru, P., Ankrah, P., Johan, V., Marcoux, E., Vinchon, C., 1991. The
  metallogenic relationship between Birimian and Tarkwaian gold deposits in Ghana.
  Mineral. Deposita 26, 228-238.
- Milési, J.P, Ledru, P., Feybesse, J.L., Dommanget, A., Marcoux, E., 1992. Early proterozoic
  ore deposits and tectonics of the Birimian orogenic belt, West Africa. Precambrian
  Research 58, 305-344.
- Miller, J.M., Davis, J., Baratoux, L., McCuaig, T.C., Metelka, V., Jessel, M., 2013. Evolution
  of gold systems in Guinea, southern Mali and western Burkina Faso: AMIRA
  International Ltd P934A West African Exploration Initiative Stage 2 Final report,
  Appendix D1, unpublished.
- Naba, S., Lompo, M., Debat, P., Bouchez, J.L., Béziat, D., 2004. Structure and emplacement
  model for late-orogenic Paleoproterozoic granitoids: the Tenkodogo–Yamba elongate
  pluton (Eastern Burkina Faso). Journal of African Earth Sciences 38, 41-57.
- Nasdala, L., Hofmeister, W., Norberg, N., Martinson, J.M., Corfu, F., Dörr, W., Kamo, S.L.,
  Kennedy, A.K., Kronz, A., Reiners, P.W., 2008. Zircon M257-a homogeneous natural
  reference material for the ion microprobe U-Pb analysis of zircon. Geostandards and
  Geoanalytical Research. 32, 247-265.

- O'Connor, J., 1965. A classification for quartz-rich igneous rocks based on feldspar ratios.
  United States Geological Survey Professional Paper B 525, 79-84.
- Oberthür, T., Vetter, U., Davis, D.W., Amanor, J.A., 1998. Age constraints on gold
  mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern
  Ghana. Precambrian Research 89, 129-143.
- Olson, S.F., Diakite, K., Ott, L., Guindo, A., Ford, C.R.B., Winer, N., Hanssen, E., Lay, N.,
  Bradley, R., Pohl, D., 1992. Regional setting, structure, and descriptive geology of the
  middle Proterozoic Syama gold deposit, Mali, West Africa. Economic Geology 87,
  310-331.
- Parra-Avila, L.A., Belousova, E., Fiorentini, M.L., Baratoux, L., Davis, J., Miller, J., McCuaig,
  T.C., 2016. Crustal evolution of the Paleoproterozoic Birimian terranes of the BaouléMossi domain, southern West African Craton: U-Pb and Hf-isotope studies of detrital
  zircons. Precambrian Research 274, 25-60.
- Petersson, A., Scherstén, A., Kemp, A.I.S., Kristinsdóttir, B., Kalvig, P., Anum, S., 2016.
  Zircon U-Pb-Hf evidence for subduction related crustal growth and reworking of
  Archaean crust within the Palaeoproterozoic Birimian terrane, West African Craton, SE
  Ghana. Precambrian Research 275, 286-309.
- Pitra, P., Kouamelan, A., Ballevre, M., Peucat, J.J., 2010. Palaeoproterozoic high-pressure
  granulite overprint of the Archean continental crust: evidence for homogeneous crustal
  thickening (Man Rise, Ivory Coast). Journal of Metamorphic Geology 28, 41-58.
- Pouclet, A., Vidal, M., Delor, C., Simeon, Y., Alric, G., 1996. Le volcanisme birimien du nordest de la Cote-d'Ivoire, mise en evidence de deux phases volcano-tectoniques distinctes

- 994 dans l'evolution geodynamique du Paleoproterozoique. Bulletin de la Societe
  995 Geologique de France 167, 529-541.
- Roddaz, M., Debat, P., Nikiéma, S., 2007. Geochemistry of Upper Birimian sediments (major
  and trace elements and Nd-Sr isotopes) and implications for weathering and tectonic
  setting of the Late Paleoproterozoic crust. Precambrian Research 159, 197-211.
- Rollinson, H., 2016. Archaean crustal evolution in West Africa: A new synthesis of the
  Archaean geology in Sierra Leone, Liberia, Guinea and Ivory Coast. Precambrian
  Research 281, 1-12.
- Scherer, E.E., Whitehouse, M.J., Münker, C., 2007. Zircon as a monitor of crustal growth.
  Elements. 3, 19-24.
- Stacey, J.S., Kramers, J.D., 1975. Approximation of terrestrial lead isotope evolution by a twostage model. Earth and Planetary Science Letters. 26, 207-221.
- Stern, R.A., 2001. A new isotopic and trace-element standard for the ion microprobe:
   preliminary thermal ionization mass spectrometry (TIMS) U-Pb and electron microprobe data. Ressources naturelles Canada.
- Stern, R.A., Bodorkos, S., Kamo, S.L., Hickman, A.H., Corfu, F., 2009. Measurement of SIMS
   instrumental mass fractionation of Pb isotopes During zircon dating. Geostandards and
   Geoanalytical Research. 33, 145-168.
- 1012 Streckeisen, A., 1976. To each plutonic rock its proper name. Earth-Science Reviews 12, 1-33.

1013	Sylvester, P.J., Attoh, K., 1992. Lithostratigraphy and composition of 2.1 Ga greenstone belts
1014	of the West African craton and their bearing on crustal evolution and the Archean-
1015	Proterozoic boundary. Journal of Geology 100, 377-393.

- 1016 Tapsoba, B., Lo, C.-H., Jahn, B.-M., Chung, S.-L., Wenmenga, U., Iizuka, Y., 2013. Chemical
- and Sr–Nd isotopic compositions and zircon U–Pb ages of the Birimian granitoids from
   NE Burkina Faso, West African Craton: Implications on the geodynamic setting and
   crustal evolution. Precambrian Research 224, 364-396.
- Taylor, P.N., Moorbath, S., Leube, A., Hirdes, W., 1992. Early Proterozoic crustal evolution
  in the Birimian of Ghana: constraints from geochronology and isotope geochemistry.
  Precambrian Research 56, 97-111.
- Traoré, Y.D., Siebenaller, L., Salvi, S., Béziat, D., Bouaré, M.L., 2016. Progressive gold
   mineralization along the Syama corridor, southern Mali (West Africa). Ore Geology
   Reviews 78, 586-598.
- Trashliev, S., 1974. The geology of ¼ field sheets 82 (Wiawso SE) and 46 (Asankragwa NE).
  Unpublished Report of Ghana Geological Survey.
- Tshibubudze, A., Hein, K.A.A., Marquis, P., 2009. The Markoye Shear Zone in NE Burkina
  Faso. Journal of African Earth Sciences 55, 245-256.
- 1030 Tshibubudze, A., Hein, K.A.A., McCuaig, T.C., 2015. The relative and absolute chronology of
- strato-tectonic events in the Gorom-Gorom granitoid terrane and Oudalan-Gorouol belt,
  northeast Burkina Faso. Journal of African Earth Sciences 112, Part B, 382-418.

1033	Tshibubudze, A., Hein, K.A.A., Peters, L.F.H., Woolfe, A.J., McCuaig, T.C., 2013. Oldest U-
1034	Pb crystallisation age for the West African Craton from the Oudalan-Gorouol Belt of
1035	Burkina Faso. South African Journal of Geology 116, 169-181.

Turner, P., 1995. Evolution of the early Proterozoic Boundiali-Bagoe supracrustal belt and
 associated granitic rocks, northern Cote d'Ivoire, West Africa. University of
 Portsmouth.

1039 Valley, J.W., 2003. Oxygen Isotopes in Zircon. Reviews in Mineralogy and Geochemistry 53,
1040 343-385.

Valley, J.W., Chiarenzelli, J.R., McLelland, J.M., 1994. Oxygen isotope geochemistry of
zircon. Earth and Planetary Science Letters 126, 187-206.

Vegas, N., Naba, S., Bouchez, J.L., Jessell, M., 2008. Structure and emplacement of granite
plutons in the Paleoproterozoic crust of Eastern Burkina Faso: rheological implications.
International Journal of Earth Sciences 97, 1165-1180.

Vidal, M., Delor, C., Pouclet, A., Simeon, Y., Alric, G., 1996. Geodynamic evolution of the
West Africa between 2.2 and 2 Ga : The Archaean style of the Birimian greenstone
belts and the sedimentary basins in northeastern Ivory-Coast. Bulletin de la Societe
Geologique de France 167, 307-319.

Vidal, M., Gumiaux, C., Cagnard, F., Pouclet, A., Ouattara, G., Pichon, M., 2009. Evolution
of a Paleoproterozoic "weak type" orogeny in the West African Craton (Ivory Coast).
Tectonophysics 477, 145-159.

Wiedenbeck, M.A.P.C., Alle, P., Corfu, F., Griffin, W.L., Meier, M., Oberli, F.V., Quadt, A.V.,
Roddick, J.C. and Spiegel, W., 1995. Three natural zircon standards for U-Th-Pb,

- Lu-Hf, trace element and REE analyses. Geostandards and Geoanalytical Research, 19,
  1056 1-23.
- Williams, I.S., 1988. U-Th-Pb geochronology by ion microprobe, in: McKibben, M.A.,
  Shanks, W.C., III and Ridley, W.I. (Eds.), Applications of microanalytical techniques
  to understanding mineralizing processes. Reviews in Economic Geology. Society of
  Economic Geologists. 1-35.
- Wingate, M., Kirkland, C., 2014. Introduction to geochronology information released in 2014.
  Geological Survey of Western Australia 207.

# The geochronological evolution of the Paleoproterozoic Baoulé-Mossi domain of the southern West African Craton

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# <u>Highlights</u>

• 84 new U-Pb zircon ages on rocks from across the Paleoproterozoic Baoulé-Mossi domain.

• Newly identified U-Pb age patterns and distribution across the southern West African Craton with a westward migration of the magmatic front.

• Recognition of U-Pb age inherited patterns as well as Archean inherited grains across the Paleoproterozoic Baoulé-Mossi domain of the West African Craton.

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#### 27 <u>Keywords</u>

West African Craton, Paleoproterozoic, Baoulé-Mossi domain, U-Pb zircon dating

30 Abstract

Generation and emplacement of felsic magmas in the Paleoproterozoic Baoulé-Mossi domain, 31 West African Craton does not match the apparent peaks of global crust generation identified 32 between ca. 2900-2600, 1900-1600 and 1200-900 Ma. In contrast, across the Baoulé-Mossi 33 domain, the emplacement of felsic intrusions ranges from ca. 2300 to 2000 Ma. It has proven 34 35 difficult to place this magmatism within a robust geodynamic framework due to the lack of accurate geochronological data from across the West African Craton. The present study 36 addresses this issue by presenting eighty-four new felsic intrusions zircon ion microprobe and 37 38 LA-ICP-MS U-Pb ages from areas that up until now have not been targeted for geochronology. 39 The new dataset, when fully integrated with existing age data, reveals a craton-wide diachronous geochronological pattern characterized by a magmatic front that migrated 40 westward. This migration proceeded at a rate of 35 km per million years, with an apparent 41 offset of the initiation and cessation of felsic magmatic activity between the east and west of 42 approximately 50 million years. The new data also show that although the entire Baoulé-Mossi 43 domain was subject to continuous magmatic activity for at least 150 million years, this 44 magmatic activity displays a rather different record in the eastern and western portions of the 45 domain. The differences are expressed as a westward migration of the magmatic activity, 46 cessation of activity around ca. 2100 Ma (easternmost portion) and ca. 2050 Ma (westernmost 47 portion) and a higher incidence of inherited ages in the westernmost portion when compared 48 49 to the easternmost region. In addition, the new U-Pb data identify some of the oldest felsic intrusions in the region, including a granite from Burkina Faso  $(2265 \pm 17 \text{ Ma})$  and a diorite 50 porphyry  $(2216 \pm 5 \text{ Ma})$  in southern Mali. This study also reveals inherited Archean zircon 51

52 cores from across southern Mali. The combination of the new data presented here, along with 53 previously published data, suggests that the Baoulé-Mossi domain formed from the accretion 54 of two major crustal blocks. The Archean inherited ages open a window for further 55 investigation of the interaction between the Archean Kénéma-Man and the Paleoproterozoic 56 Baoulé-Mossi domains.

57

# 58 <u>1 Introduction</u>

Radiometric ages obtained from igneous and metamorphic rocks across the West 59 60 African Craton are mainly concentrated between ca. 2300 and 2000 Ma. This period falls outside the main peaks of global magmatic activity preserved at ca. 2900-2600, 1900-1600 and 61 1200-900 Ma (Cawood et al., 2009 and references therein; Condie, 1998, 2009). It is possible 62 63 that the complete magmatic record of the West African Craton is either under-represented or 64 under-sampled in the current geochronological databases. The southern West African Craton, known as the Leo-Man Rise, comprises the Archean Kénéma-Man and the Paleoproterozoic 65 66 Baoulé-Mossi domains (Figure 1). Despite the wealth of studies aimed at deciphering the large metallogenic endowment of the Leo-Man rise and in particular of the Baoulé-Mossi domain 67 (e.g. Béziat et al., 2000; Feybesse et al., 2006a; Milési et al., 1991, 1992; Oberthür et al., 1998), 68 the southern West African Craton remains one of the least understood and controversial 69 lithospheric blocks on Earth. One of those controversies is directly related to the age of 70 71 emplacement of the felsic igneous suites, and the apparent lack of involvement of older Archean crust in a region that is regarded to be the result of juvenile magmatic activity 72 (Abouchami et al., 1990; Boher et al., 1992). 73

Multiple studies on the geochronological evolution of the southern West African Craton have been carried out across the Baoulé-Mossi domain (e. g. Baratoux et al., 2011; Block et al., 2016a; de Kock et al., 2011, 2012; Egal et al., 2002; Feybesse et al., 2006a, 2006b, 2006c; Gueye et al., 2007; Tshibubudze et al., 2013, 2015). Nonetheless, most of these studies are the
result of mine-scale to belt-scale mapping projects, in many cases restricted to small regions or
particular countries, thus failing to attempt large-scale correlations across the Baoulé-Mossi
domain. According to these studies, the emplacement ages of felsic intrusions from across the
domain are mainly associated with the Eburnean Orogeny (ca. 2200-1800 Ma, Liégeois et al.,
1991) and represent approximately half of the total rock exposures across the domain (Boher
et al., 1992; Roddaz et al., 2007).

Felsic intrusions from across the Baoulé-Mossi domain were described by Bessoles 84 85 (1977) and originally divided into 3 main types: Belt or Dixcove, Sedimentary-Basin or Winneba and Basin or Cape Coast suites (e.g. Abouchami et al., 1990; Boher et al., 1992; Davis 86 et al., 1994; Hirdes et al., 1992, 1996; Taylor et al., 1992). de Kock et al. (2011), (2012) further 87 88 summarize the magmatic activity into 4 major age clusters or peaks at: ca. 2210-2190, 2185-89 2150, 2115-2100 and 2090-2070 Ma. Despite this apparent periodicity, published ages for these clusters tend to overlap within uncertainty, suggesting a continuous period of magmatic activity 90 91 between ca. 2210 and 2050 Ma (de Kock et al., 2011, 2012).

92 The present study is a comprehensive evaluation of the chronological evolution of the Paleoproterozoic Baoulé-Mossi domain of the southern portion of the West African Craton, 93 aimed at establishing regional-scale correlations and shedding new light on the evolution of 94 the region. The study area extends over Burkina Faso, southern Mali, eastern Guinea and parts 95 96 of Ghana (Figure 1). A total of seventy-five new ion microprobe (SHRIMP II) and nine LA-97 ICP-MS U-Pb zircon ages are presented in this study and cover an area of over 250 000 km<sup>2</sup>. The new data establish that the magmatic activity across the Baoulé-Mossi domain was 98 99 continuous for at least 150 million years (Myrs), and migrated westward at a rate of 35 km/Myrs. 100

101

#### 102 <u>2 Geological Setting</u>

The West African Craton is composed of three major provinces: the Reguibat Rise to 103 the north, the Kédougou-Kéniéba and Kayes Inliers to the west and the Leo-Man rise to the 104 south (Abouchami et al., 1990; Bessoles, 1977; Boher et al., 1992) which circumscribe the 105 younger Taoudenni Basin (Figure 1). The Leo-Man Rise, covering Burkina Faso, Côte 106 d'Ivoire, Ghana, Guinea, Liberia, Mali, Niger, Senegal, Sierra Leone and Togo is geologically 107 108 divided into the Archean Kénéma-Man and the Paleoproterozoic Baoulé-Mossi domains (Figure 1). The Archean portion of the Leo-Man Rise is composed of highly metamorphosed, 109 110 amphibolite to granulite facies, gneisses formed between ca. 3600 and 2600 Ma (Milési et al., 1992; Rollinson, 2016) and believed to be largely the result of the Leonian (ca. 3200-3000 Ma) 111 and/or Liberian (ca. 2800-2700 Ma) orogenic cycles (Egal et al., 2002). Recently De Waele et 112 al. (2015) refined the timing of crust formation to a pulse of magmatic activity at ca. 3400 Ma, 113 which was followed by semi-continuous magmatic activity between ca. 3000 and 2600 Ma. 114

The Paleoproterozoic counterpart is divided into two main phases, the Eoeburnean or 115 Tangaean (ca. 2266 and 2150 Ma) and the Eburnean (ca. 2130 and 1980 Ma) phases (Baratoux 116 et al., 2011, 2015; Block et al., 2015; de Kock et al., 2012; Feybesse et al., 2006; Hein 2010; 117 Perrouty et al., 2012; Vidal et al., 1996). The Paleoproterozoic crust comprises narrow 118 sedimentary basins and linear to arcuate belts comprising volcanic and volcaniclastic rocks 119 intruded by multiple generations of granitic rocks (Abouchami et al., 1990; Boher et al., 1992; 120 121 Taylor et al., 1992). The Eoeburnean phase is dominated by mafic and felsic volcanism, granitic emplacement and folding as the result of a collisional event and crustal thickening 122 (Baratoux et al., 2015; Lambert-Smith et al., 2016; Tshibubudze et al., 2015), while the 123 Eburnean phase is characterized by plutonic activity. The Eoeburnean and Eburnean 124 terminology and characteristics are not uniform across the entire Paleoproterozoic domain as 125 summarized by Lambert-Smith et al. (2016). The stratigraphic sequence of the Baoulé-Mossi 126

domain is defined in Vidal et al. (1996) and later refined by Béziat et al. (2000), de Kock et al.,
(2009, 2011), Baratoux et al. (2011), and Ganne et al. (2014) (Figure 2). Recent studies by
Pitra et al. (2010), Baratoux et al. (2011), Ganne et al. (2014) and Block et al. (2015) have
reiterated that the lithostratigraphic sequence has been generally affected by greenschist facies
metamorphism, but also highlight regional amphibolite facies and locally granulite facies
metamorphism.

133

#### 134 2.1 The Birimian terranes

135 The term "Birimian terranes" after the type locality defined from the Birim River Valley in Ghana (Kitson, 1918) is applied to the Paleoproterozoic domain of the southern West African 136 Craton. The Birimian stratigraphy (sensu lato) is defined, bottom to top, by the presence of: 1) 137 a thick sequence of locally pillowed basalts and gabbros of tholeiitic affinity (Hirdes et al., 138 1996; Leube et al., 1990), interlayered with immature sedimentary rocks and carbonates; 2) a 139 volcano-sedimentary sequence mainly dominated by turbidites, mudstones and carbonates, 140 interbedded with calc-alkaline volcanic and volcaniclastic rocks (Kesse, 1985; Olson et al., 141 1992); and 3) a coarse, clastic sedimentary sequence that was originally defined by Junner 142 (1940), (1954) and later by Trashliev (1974) as a series of turbidites (Attoh, 1982; Béziat et al., 143 2000, 2008; Pouclet et al., 1996; Vidal et al., 1996). 144

Regionally, across Burkina Faso, the Birimian terranes comprise a series of basaltic to basaltic andesitic belts, from east to west, the NNW-striking Bouroum Belt, the NW-striking Goren Belt, and the N-S striking Boromo, Hounde and Banfora belts (Figure 1). All belts are intruded by N-S trending granitic bodies (Hein, 2010; Metelka et al., 2011). Additionally, Baratoux et al. (2011) and Castaing et al. (2003) summarized several NNW to NE-trending shear zones, defined as the Greenville-Ferkessedougou-Bobo Dioulasso, the Bossie, the West Batie and the Boromo-Poura shear zones (Figure 1).

Further to the west across southern Mali, the Birimian is composed of three N-S 152 trending volcano-sedimentary belts and two regional shear zones. These belts from east to west 153 are: 1) the Bagoe Belt, considered to be the NW extension of the Diaoulla-Boundiali Belt of 154 Côte d'Ivoire (Traoré et al., 2016; Turner, 1995) near the Burkina Faso-Mali border; 2) the 155 Morila Belt, just east of the large Bougouni granitic batholith (Hammond et al., 2011; Parra-156 Avila et al., 2016); and 3) the Yanfolila Belt, which sits between the town of Bougouni and the 157 158 Mali-Guinea border. Major shear zones in the region are the Siekeroli and Bannifin shear zones (Figure 1) (Feybesse et al., 2006b, 2006c; Liégeois et al., 1991; McFarlane et al., 2011). 159

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# 161 2.2 Geochronology and geochemical overview of the Paleoproterozoic Baoulé-Mossi domain 162 felsic intrusions

Felsic intrusions in Burkina Faso are divided according to their host volcanic belts. Across the NE-E portion of the country, authors such as Castaing et al. (2003), Hein et al. (2004), (2010), Naba et al. (2004), Tshibubudze et al. (2009), (2013), (2015) and Vegas et al. (2008) described the intrusions as NE-SW-trending, medium to coarse-grained equigranular granodiorites, tonalites, quartz-diorites, quartz-monzodiorites and granites. Zircon U-Pb ages indicate that the intrusions are as old as ca. 2260 Ma (Tshibubudze et al., 2015).

Metelka et al. (2011) subdivided the felsic intrusions across Burkina Faso into three types: 1) medium to coarse grained, amphibole and biotite rich, with minor occurrences of Kfeldspar tonalites, trondhjemites and granodiorites, emplaced between ca. 2150 and 2130 Ma; 2) K-feldspar and biotite rich granodiorites and granites, rarely containing muscovite or amphibole, and granodiorites with ages between ca. 2110 and 2100 Ma; and 3) K-feldspar rich potassic granites, which occasionally bear muscovite (ca. 2110-2090 Ma, Eburnean).

Baratoux et al. (2011) suggested that volcanic activity across western Burkina Faso
occurred between ca. 2190 and 2160 Ma (Eoeburnean). Additionally, by combining field

observations and airborne geophysical data Baratoux et al. (2011), Block et al. (2015), and
Metelka et al. (2011) determined that the granitic intrusions in northern Ghana and western
Burkina Faso can be grouped into four main magmatic episodes: granite, granodiorite and
gabbroid emplaced between 2195and 2160 Ma (Pre –ME1), ME1 composed mainly of tonalite,
trondhjemite, granodiorite (TTG) emplaced at ca. 2160-2120 Ma; ME2, dominated by
granodiorites and granites (ca. 2120-2110 Ma, Eburnean); and ME3 represented by granites
(2110-2090 Ma, Eburnean).

Farther to the west across southern Mali, felsic intrusions are far less studied, and no 184 185 large-scale correlations have been made. Most studies across southern Mali are at the local/mine-scale. Liégeois et al. (1991) recognized three main types of N-S striking felsic 186 intrusions around the Bannifin shear zone: 1) plagioclase, microcline, quartz, hornblende and 187 188 biotite rich, equigranular, fine-grained (occasionally aplitic) quartz-diorites, quartz-189 monzodiorites and granodiorites (ca. 2075 Ma, Eburnean), locally known as the Sadiola type; 2) foliated homogenous potassic pink leucogranites known as the Massigui type; and 3) fine to 190 medium grained granitic intrusions containing biotite and variable amounts of K-feldspar, 191 locally known as the Doubalakoro type. 192

In a study around the Morila gold mine, McFarlane et al. (2011) identified gold-bearing 193 granodiorites as well as foliated porphyritic intrusive bodies and granites with pegmatitic 194 textures. Granodiorite bodies are described as being biotite rich with plagioclase phenocrysts, 195 196 similar to the Sadiola type. The porphyritic intrusions are composed of very fine grained 197 plagioclase, quartz, actinolite and biotite. A second generation of intrusions is described as quartz diorites to biotite leucogranites similar to the Doubalakoro pluton of Liégeois et al. 198 199 (1991). Finally, the third generation described by McFarlane et al. (2011) consists of leucogranites and two mica (muscovite/biotite) rich granites and pegmatites, with U-Pb zircon 200 ages ranging between ca. 2130 and 2090 Ma (Eburnean). In addition to the types described by 201

Liégeois et al. (1991) and McFarlane et al. (2011), an older generation has been documented by Feybesse et al. (2006b), (2006c) and references therein. This older intrusion is represented by a monzonitic orthogneiss that yielded a zircon U-Pb age of  $2150 \pm 15$  Ma, with an inherited zircon population at  $2174 \pm 8$  Ma (Eoeburnean) (Feybesse et al., 2006b, 2006c).

In general, intrusions across the Paleoproterozoic domain of the southern West African 206 Craton have been mainly described as TTG-like (Doumbia et al., 1998; Vidal et al., 2009, and 207 208 references therein), based on normative Anorthite-Albite-Orthoclase discrimination diagrams after Barker (1979) and O'connor (1965). The intrusions have historically been divided into 209 210 three main groups: 1) amphibole bearing granitic rocks, with or without biotite, usually foliated; 2) biotite bearing granitic rocks without amphibole; and 3) potassic alkaline plutons 211 (Castaing et al., 2003; Doumbia et al., 1998; Egal et al., 2002; Gasquet et al., 2003; Hirdes et 212 al., 1992, 1996; Liégeois et al., 1991; Lompo, 2009; Naba et al., 2004; Oberthür et al., 1998; 213 Tapsoba et al., 2013; Vegas et al., 2008). Supplementary Material A summarizes the 214 emplacement ages reported for these intrusions. 215

The geochemistry of felsic intrusions across Burkina Faso, Mali and Ghana, are extensively documented and broadly summarized as calc-alkaline/magnesian with arc-like trace element signatures, including negative Nb, Ta, P, Ti as well as REE fractionation and Eu anomalies (e.g. Baratoux et al., 2011; Block et al., 2016a; Castaing et al., 2003; Egal et al., 2002; Eglinger et al., 2017; Feybesse et al., 2006a, 2006b, 2006c; Gasquet et al., 2003; Hein et al., 2004, 2010; Lambert-Smith et al., 2016; McFarlane et al., 2011; Metelka et al., 2011; Naba et al., 2004; Peterssen et al., 2016, Tapsoba et al., 2013 and Vegas et al., 2008).

223

# 224 <u>3 Samples and Analytical Methods</u>

To compare the magmatic activity of the Paleoproterozoic Baoulé-Mossi domain, where precise ages are scarce, with the age peaks recognized in the global magmatic record an integrated geochronological dataset on igneous rocks from southern Mali, was established.
Additional samples from Burkina Faso and some from eastern Guinea and Ghana provide ages
from the whole Paleoproterozoic domain. Samples were collected over 3 field seasons and were
carefully selected to give the most representative and comprehensive overview of the
characteristics of the different plutons across the region (Figure 3). Each sample was
approximately 3-6 kg in weight.

233 In Burkina Faso, granitic intrusions were sampled from east to west: 1) across the Po-Tenkodogo-Yamba region and the Goren Belt; 2) around the Inata-Belahouro gold district, 234 235 Bouroum Belt; 3) in the surroundings of the Perkoa zinc mine, Boromo Belt; 4) in the Gaoua region, Hounde Belt; and 5) adjacent to the Banfora Belt. In Mali, sampling focused: 1) across 236 the Syama Mine, Bagoe Belt; 2) on granitic intrusions around the Morila mine, Morila Belt; 3) 237 on granitic outcrops of the Bougouni region; and 4) across the Kalana and Komana regions of 238 the Yanfolila Belt. In Guinea, samples were obtained from granitic intrusions outcropping in 239 the Siguiri Basin area. Finally, in Ghana samples were obtained from the Koudougou-Tumu 240 granitic domain, northern Ghana, and across the Ashanti Belt-Kumasi Basin region of southern 241 Ghana (Table 1, Figure 1 and larger insets with the sample points). In addition to surface 242 samples, a series of felsic porphyries were collected from drill cores provided by exploration 243 and mining operators, mainly across the Yanfolila Belt (Mali) and the Siguiri Basin (Guinea). 244

245

### 246 *3.1 Rock description and petrology*

247 Rock classification was made based on 3 parameters: 1) hand specimen observations;
248 2) CIPW norm; and 3) modal composition determined from microscopic evaluation of thin
249 sections, characterized after Streckeisen (1976) (Tables 2 and 3).

250

251 *3.2 Zircon morphology and U-Pb dating* 

Zircon concentrates were obtained following the standard procedures described in Claoué-Long et al. (1995). Sample processing to obtain zircon concentrates, zircon mount procedures and zircon imaging, which include the use of backscattered electron (BSE) and cathodoluminescence (CL) detectors, are described in Appendix A1. Detailed information about U-Pb isotope analysis of zircon by SHRIMP (Appendix A2) and LA-ICP-MS (Appendix A3), the criteria for rejection of analyses and data reduction are explained in Appendix A2.

258

# 259 **<u>4 Results</u>**

# 260 4.1 Rock description and Petrology overview

The petrological characteristics of the igneous rock samples are summarized in Table 262 2. Macroscopic and microscopic observations reveal that 48% of the samples are represented 263 by granites while the rest are represented by granodiorites, monzodiorites, diorites, aplites and 264 syenites. Additionally, two gabbros are identified. The drill core samples are classified as 265 porphyries (Tables 1 and 2).

Based on mineralogy, 3 main groups of intrusions were identified: 1) biotite bearing, 266 characterized by plagioclase, alkali feldspar, quartz, with or without hornblende, titanite, 267 apatite, zircon and variable amounts of sulfide and oxide phases (Figure 4-A, C and E); 2) two 268 mica intrusions, rich in plagioclase, alkali feldspar, muscovite, biotite, quartz, and zircon as 269 270 well as variable amounts of sulfides (Figure 4-B and G); and 3) porphyries, mainly from drill 271 core samples, consisting of altered to very altered fine-grained and recrystallized matrix with abundant calcite (Figure 4-H). Other minerals within the matrix include biotite, traces of 272 muscovite, epidote and chlorite. Overall, the biotite in the single mica intrusions is greenish to 273 274 (primarily) reddish-brown. Biotite in the two mica intrusions is mainly greenish and occasionally reddish-brown. Hornblende appears to be only present in a limited number of 275 single mica samples. Titanite is mainly euhedral, bladed and light brown in color, but is also 276

present as wedge-shaped grains that are darker brown in color. Zircon forms euhedral,elongated grains with visible oscillatory zoning, characteristic of an igneous origin.

In the case of the porphyry samples, original matrix textures are not easily identifiable. Relict phenocrysts are for the most part plagioclase. Deformation and mineral alignment is evident in some samples. Phenocryst grain boundaries appear sharp and unaltered in some samples while in others they appear deformed, with signs of recrystallization.

283

#### 284 4.2 Zircon morphology

285 The majority of zircon grains are clear to slightly translucent and pale reddish-brown, while a small percentage are more intense reddish-brown. Most crystals are elongated, with 286 either sharp or in some cases slightly rounded dipryramidal crystal form, and between 25 to 80 287 288 μm wide and 120 to 300 μm in length. Fragmented or broken zircons are probably the result of the mineral separation process. Most zircons show clear oscillatory zoning of variable 289 intricacy, whereas others have either faint or broad zoning. Additional features evident in CL 290 images include the recognition of high U concentration, which is identified due to metamict 291 features, and distinct central regions with very dark brown coloration, possibly reflecting the 292 presence of xenocrystic cores (Figure 5). 293

294

# 295 4.3 Zircon U-Pb dating

A total of 84 samples were dated by zircon U-Pb method, 27 samples from Burkina Faso, 50 from Mali, 5 from Guinea and 2 from Ghana (Figures 6 and 7, Table 3). Table 3 summarizes the <sup>207</sup>Pb/<sup>206</sup>Pb age results (weighted mean ages are at 95% confidence limit). Figures 8 and 9 shows U-Pb Concordia plots and weighted mean <sup>207</sup>Pb/<sup>206</sup>Pb ages for the 9 belts and 2 large batholiths studied. Supplementary Materials B (SHRIMP) C (LA-ICP-MS) contains the full set of (U-Th)-Pb isotope data. Zircons from 58 samples yielded a single age population, while the remaining 26 samples contain zircon with older cores, which are interpreted as inherited components. The number of inherited grains is variable between samples and ranges from 1 or 2 analyses to 10 (Table 3). Across Burkina Faso, the Goren Belt/Po-Tenkodogo-Yamba regions, yield ages between ca. 2270 and 2120 Ma. For the Belahouro region the ages are between ca. 2180 and 2120 Ma and in the Boromo-Hounde belts the range is between ca. 2180 and 2110 Ma, while the Banfora region have ages between ca. 2150 and 2110 Ma (Figures 6 and 7).

In southern Mali, the felsic intrusion from the Syama mine (Bagoe Belt) is dated at ca. 2150 Ma. Farther to the west, the Morila Belt granites and granodiorites have inferred emplacement ages between 2140 to 2080 Ma. Across the Bougouni domain, the emplacement occurred between ca. 2100 and 2080 Ma while the Yanfolila Belt, was intruded between ca. 2220 and 2070 Ma (Table 3, Figures 6, 7 and 9).

314 The rocks analyzed are mainly granites and granodiorites with the bulk dated between ca. 2140 and 2080 Ma. The other dated intrusions are mainly porphyries, diorites and tonalites 315 (Figure 6). Three of the 9 diorites have inherited grains of up to ca. 3500 Ma. A total of 12 316 granites have inherited zircon cores up to ca. 2250 Ma. The porphyry intrusions shows 317 significant inheritance of material up to ca. 2500 Ma old. The granitic intrusions with Archean 318 inheritance are mainly biotite bearing, characterized by plagioclase, alkali feldspar, quartz, with 319 or without hornblende and muscovite. Assimilation of older crust during the generation of the 320 321 2 mica (biotite and muscovite) and 1 mica (mainly biotite) intrusions, as illustrated by inherited zircon, is also evident. 322

323

#### 324 <u>5 Discussion</u>

The new data presented here constitute a comprehensive and spatially representative geochronological dataset from the Paleoproterozoic Baoulé-Mossi domain of the West African Craton. Together with previously reported ages, broad U-Pb age and inheritance patterns can be visualized across the craton. The implications of these new data for tectonic evolution are explored in the following sections.

330

#### 331 5.1 Magmatic activity from the Goren/Po-Tenkodogo-Yamba to the Banfora Belt

A granodiorite from the Goren/Po-Tenkodogo-Yamba region (BF8) with an apparent age of  $2265 \pm 17$  Ma is similar to that obtained by Tshibubudze et al. (2013), (2015) for granites across the Oudalan-Gorouol Belt (ca. 2265 Ma) expanding the known occurrences of older intrusives presented in compiled data, by e.g. Baratoux et al. (2011), de Kock et al. (2011), (2012), Feybesse et al. (2006b), (2006c), McFarlane et al. (2011), Tapsoba et al. (2013) and Tshibubudze et al. (2015).

338 The youngest ages across the easternmost portion of the study area in Burkina Faso are ~2105 Ma (BF12-05), 2115 Ma (HO640C) and 2120 Ma (BF1), belonging to the Eburnean 339 phase, which are mainly concentrated along the Banfora Belt region, with minor occurrences 340 in the Boromo-Hounde and Belahouro belts. These young granite ages make it clear that felsic 341 magmatic activity across the eastern portion of the Paleoproterozoic Baoulé-Mossi domain 342 occurred over a period of about 160 Myrs. During this period, magmatic activity was minor 343 between ca. 2275 and 2190 Ma, after which it increased to peak between 2140-2130 Ma. 344 Magmatic activity then waned, with the last bodies emplaced at ca. 2105 Ma (Figures 6, 7, and 345 346 9). After ca. 2105 Ma the magmatic activity appears to be concentrated in the western portion of the Baoulé-Mossi across southern Mali. 347

348

# 349 5.2 Magmatic activity from the Banfora Belt to the Siguiri Basin

West of the Banfora Belt and into southern Mali and eastern Guinea, this study clearly
lengthens the magmatic evolution of the Baoulé-Mossi domain. Previous studies that evaluated

the magmatic activity indicated a period of 30 Myrs between ca. 2100 and 2070 Ma, which 352 was associated with the Eburnean orogenesis (Liégeois et al., 1991). Conversely, Doumbia et 353 al. (1998), Hirdes and Davis (2002), and Hirdes et al. (1996) indicated that the granitic intruded 354 between ca. 2150 and 2070, a period of 80 Myrs. The Porphyries from the Yanfolila Belt, 355 however revealed intrusions at  $2159 \pm 11$  Ma (MWAXI-135),  $2174 \pm 15$  Ma (MWAXI-130) 356 and  $2216 \pm 15$  Ma (MWAXI-134) extending the range of magmatism across the region. The 357 358 felsic magmatic activity progressively increased during the Eburnean phase between ca. 2100 Ma and 2070 Ma, peaking around ca. 2090 Ma and abruptly declining after ca. 2070 Ma 359 360 (Figures 6, 7 and 9). Overall the range of magmatic activity lasted about 150 Myrs, mostly concentrated between ca. 2100 and 2070 Ma. These findings may suggest an accretionary 361 evolution for the southern West African Craton (section 6). 362

363

#### 364 5.3 Broad age patterns across the Baoulé-Mossi domain

The early and punctuated magmatic activity recorded in the Yanfolila Belt contrasts 365 with the rest of southern Mali, where only a limited number of samples are older than ca. 2110 366 Ma. Volcanism in the belt has been recognized as early as ca. 2212 Ma by Lahondère et al. 367 (2002) whom associated this early activity with felsic to intermediate volcanism resulting from 368 subduction or underplating. Early volcanism is present in the east of the Banfora Belt, as 369 reported by Hein (2010) and Tshibubudze et al. (2013), (2015). Since these older ages (> ca. 370 371 2250 Ma in Burkina Faso and > ca. 2200 Ma in southern Mali) are not more common, either the overall volume of magmatism was relatively low during this period, or intrusions of this 372 age are buried or have been eroded away. Alternatively, a more mafic style of magmatism may 373 374 have resulted in less zircon crystallization.

Integration of the new and published data shows that for the southern West African
Craton the emplacement ages fall into an "early" period at 2260-2130 Ma, which is dominated

by pluton emplacement (Figure 11-A), followed diachronously by a "late" period (2130-2050 377 Ma). The boundary between the early and late periods was chosen after considering peak 378 metamorphism in the region, deformation history, and spatial distribution of the ages across 379 380 the study area and identifiable age peaks (Figures 2, 6, 7 and 11). While the probability of occurrence of ages shown in figure 10 suggests a boundary can be placed around ca. 2110 Ma, 381 the spatial distribution is more in agreement with a boundary ca. 2140-2130 Ma. Additionally, 382 383 the peak metamorphism identified by Block et al. (2015) between ca. 2140-2130 Ma, roughly coincides with the peak of magmatism in the eastern portion of the study area. The early period, 384 385 which is comparable to the Eoeburnean phase, is dominated by a major peak at ca. 2135 Ma and a secondary peak at ca. 2170 Ma. The late period coincides with the Eburnean phase of de 386 Kock et al, (2011) and can be further subdivided into two age brackets, between ca. 2130-2090 387 388 Ma (Figure 11-B) dominated by craton wide magmatic activity, and 2090-2050 Ma (Figure 11-389 C) where magmatic activity was predominantly concentrated in the western portion of the craton. As observed in figures 2 and 11 emplacement and deformation events did not occurred 390 synchronously across the study area and it is clear that diachronism between east and west 391 presents difficulties in the definition of the Eoeburnean and Eburnean phases across the study 392 area as summarized in Lambert-Smith et al. (2016). 393

Additionally, when all magmatic, metamorphic and detrital zircon ages are plotted as a 394 function of longitude for the whole southern West African Craton (Figure 12-A), it is possible 395 396 to define the onset and cessation of magmatic activity as a function of distance across the southern West African Craton. This reveals an apparent offset of 50 Myrs in the beginning and 397 end of magmatism between the eastern and western part of the Baoulé-Mossi domain (Figure 398 399 12-B). Such patterns indicate that magmatic activity progressively retreated from east to west across the southern West African Craton at a rate of approximately 35 km/Myr (Section 6). 400 This inference is strengthened by the fact that 95 % of the plotted ages lie above the dashed 401

bottom arrow in Figure 12-B, which shows the diachronism in the onset and cessation ofmagmatism.

404

#### 405 5. 4 Zircon inheritance

The majority of the inherited zircons are within 50 Myrs or less of the crystallization 406 ages of the individual intrusions, and mostly occur across southern Mali and to a lesser extent 407 408 in the easternmost portion of Burkina Faso, across the Goren/Po-Tenkodogo-Yamba and Belahouro belts. Inheritance is mainly present in samples younger than ca. 2130 Ma. Only a 409 410 limited number of samples have inherited cores/grains (30 out 90 samples), of which a half (15 samples) have inherited material older than 2200 Ma. The previous findings are in agreement 411 with studies along the southern margin of the Bole-Nangodi Belt of northern Ghana, where de 412 Kock et al (2011) identified Eoeburnean inheritance in intrusions up to 2130 Ma. 413

Only 4 samples (KADD119-M, KL000274, ML12-078 in Mali, and BF9 in Burkina
Faso) assimilated Archean crust, as indicated by inherited zircons with ages between ca. 3700
and 2500 Ma. Evaluation of rejected discordant analyses (criteria explained in Appendix A)
does not reveal age groups different from the inferred crystallization ages, or from the reported
inherited ages (Table 3).

With the exception of de Kock, (2011) and Lambert-Smith et al. (2016) who identified inherited Archean zircons in northern Ghana and in the Kédougou-Kéniéba Inlier of Mali, respectively early studies failed to identify Archean inheritance. The absence of Archean crust has been used to argue that the Baoulé-Mossi domain was mostly the result of juvenile magmatic activity (Abouchami et al., 1990; Boher et al., 1992; Tapsoba et al., 2013). The present study identified 2 zircon grains with ages between ca. 3600 and 3500 Ma, 1 grain at ca. 2880 Ma and 3 grains that yield ages between ca. 2600-2500 Ma; these are from the Goren/Po426 Tenkodogo-Yamba region and Belahouro Belts in Burkina Faso and in the Yanfolila Belt in427 southwestern Mali (Table 3).

428

# 429 *5.4.1 Possible origin of the zircon inheritance*

Two scenarios are envisaged to explain the zircon inheritance found in some samples: 430 1) assimilation of older crust by ascending magmas (contamination of ascending magmas by 431 older basement rocks); and 2) assimilation from a sedimentary source where they were detrital 432 grains. Both scenarios could potentially be the result of Eburnean orogenesis. According to 433 434 Baratoux et al. (2011), Tshibubudze et al. (2013) and (2015) eastern Burkina Faso was subject to an early compressional event (2200-2160 Ma) that led to significant shortening and crustal 435 thickening. Liégeois et al. (1991) also identified deformation events across southern Mali that 436 resulted in intense folding and thickening and, plausibly, subsequent uplift. Recently, Block et 437 438 al. (2015), (2016a), (2016b) described the implications of compressional deformation across northern Ghana and southwest Burkina Faso. These compressional events resulted in 439 significant crustal thickening. Crustal thickening provides a way to underthrust and uplift 440 sedimentary rocks, and allows greater interaction between the older basement rocks and 441 ascending magmas, facilitating the entrainment of older zircons. 442

The interleaving of Archean-Paleoproterozoic crust appears, to be limited and with the 443 exception of western Côte d'Ivoire, surface expressions indicate a relatively sharp, well 444 445 constrained Archean-Paleoproterozoic geological boundary (Eglinger et al., 2017), although this may not be the case at depth. In addition, within the study area, there is no geochronological 446 or field evidence for the existence of large Archean exposures, arguing against the 447 Paleoproterozoic Baoulé-Mossi domain having underthrust the Archean Kénéma-Man domain. 448 If in contrast, the Archean block was overridden by, or resurfaced by, the Paleoproterozoic 449 assemblage, it is likely that the juvenile magmas would have interacted with Archean crustal 450

451 fragments during their ascent, potentially entraining the older zircons. This hypothesis is at 452 odds with the majority of published isotope Nd and Hf isotope data that advocates a 453 predominately juvenile origin with limited amount of reworked crust (e.g. Abati et al., 2012; 454 Abouchami et al., 1990; Boher et al., 1992; Petersson et al., 2016; Tapsoba et al., 2013; Taylor 455 et al., 1992).

Alternatively, if the inherited ages are the result of reworking sedimentary rocks it is 456 necessary to account for long distance transport of detritus now represented by the inherited 457 components. The present geological configuration indicates that the distance between the 458 459 Banfora and Yanfolila belts is over 300 km, whereas the distance from the known Archean Kénéma-Man domain and the Yanfolila Belt is over 80 km. It is expected that these distances 460 were greater at the time of emplacement at ca. 2200-2000 Ma. The uplifted units following 461 crustal thickening would have been eroded more easily, thus providing a source for the 462 463 inherited zircon grains. This scenario provides a possible source for the Paleoproterozoic inheritance found across the western portion of the study area, as zircons from the early 464 magmatic episode (ca. 2300-2130 Ma) are incorporated into magmatic intrusions emplaced 465 after ca. 2130 Ma. Conversely, in the case of Archean inherited ages from across Burkina Faso 466 a plausible source of transported grains would be the Archean basement identified within the 467 Nigerian Shield, as reported by Bruguier et al. (1994) and Kröner et al. (2001) or previously 468 unrecognized Archean slivers. The most likely source of inherited grains in the Mali samples 469 470 is the Archean Kénéma-Man domain. We note that incorporation of older zircon cores from 471 the reworking of sedimentary rocks is a testable hypothesis – in this case, the emplacementaged zircons of the host granite should have high  $\delta^{18}$ O values (e.g. Hawkesworth and Kemp, 472 2006; Kemp et al., 2007, 2009; Valley, 2003; Valley et al., 1994). 473

474

#### 475 <u>6 Tectonic implications and accretionary model</u>

The crustal evolutionary patterns of the southern West African Craton, and in particular 476 of the Baoulé-Mossi domain, reflect a complex assemblage (puzzle) that requires 477 understanding of the spatial and temporal distribution of emplacement ages and the presence 478 of inherited zircon grains. During the Phanerozoic, migrating magmatic fronts and abrupt 479 cessations of magmatic activity, as inferred here, have been associated with arc type systems, 480 such as the Andes in central Chile (Hildreth and Moorbath, 1988) and South China, where flat 481 482 slab subduction has been proposed (Li and Li, 2007). It is possible that similar accretionary processes shaped the crustal evolution of the southern West African Craton 483

484 An accretionary process may have involved at least two crustal blocks that join to form the Baoulé-Mossi domain. During the Eoeburnean magmatic phase the magmatic activity was 485 mainly concentrated in the easternmost block of the study area (minor peak at ca. 2170 Ma, 486 487 figure 10). As the magmatic activity migrated westward a large pulse of magmatism is 488 identified at around ca. 2135 Ma, potentially heralding the docking of the two blocks at ca. 2130 Ma. After ca. 2130 Ma the magmatic activity appears concentrated in the westernmost 489 region with peak magmatism at ca. 2090 Ma. The inherited age pattern is the result of the 490 younger magmas sampling material derived from the easternmost portion suggest the westward 491 migration of the magmatic front (Figure 13). Recently, Block et al. (2016a) proposed a collision 492 model between blocks in Ghana and Burkina Faso/Côte d'Ivoire. We suggest that the 493 Paleoproterozoic Baoulé-Mossi domain was the result of the accretion of at least two crustal 494 495 blocks that were subsequently amalgamated with the Archean Kénéma-Man domain (Figure 13). 496

The boundary between these inferred crustal blocks is based on the distribution of intrusion emplacement ages and inherited zircons. East of the Banfora-Bagoe belts, intrusion ages are predominantly older than ca. 2130 Ma, mostly free of inheritance, while to the west the ages are predominantly younger than ca. 2130 Ma and commonly contain an inherited 501 component. Multiple crustal blocks explain the occurrences of inherited ages between ca. 2250 and 2150 Ma across Southern Mali, due to potential crustal thickening and subsequent 502 underthrusting or uplift and erosion of older crust (section 5.4.1). Certainly, across southern 503 Mali this study and previous studies (e.g. Feybesse et al. (2006b), (2006c)) have identified ages 504 between ca. 2215 and 2150 Ma, but the geographical distribution and number of identified 505 intrusions within that range does not account for the relatively widespread inheritance across 506 507 southern Mali. Subsequently, the Paleoproterozoic crustal blocks of the Baoulé-Mossi domain, proposed here were accreted into the Archean Kénéma-Man domain. 508

509

# 510 <u>7 Conclusions</u>

The new data presented in this study support observations that the Paleoproterozoic 511 portion of the southern West African Craton developed during an accretion process, as follows: 512 Evaluation of all zircon ages (magmatic, metamorphic and detrital) plotted as a function 513 • 514 of longitude supports the notion that the Paleoproterozoic Baoulé-Mossi domain underwent a diachronous evolution reflected by a westward migration of the magmatic 515 front. It also highlights an abrupt cessation and retreat of activity across the southern 516 West African Craton that started around ca. 2100 Ma at the eastern end of the craton 517 and ended at ca. 2050 Ma at the westernmost portion. This retreat is represented by a 518 westward migration of the magmatic front of approximately 35 km/Myr and is 519 analogous to that shown by Phanerozoic subduction- accretion systems as described by 520 e.g. Li and Li (2007) and Hildreth and Moorbath (1988). 521

The offset of magmatism and distribution of inherited zircons indicates that the
 Paleoproterozoic domain part of this study was composed of at least two crustal blocks
 with the boundary probably located between the Banfora and Bagoe belts.

• An accretionary process might have started as early as ca. 2175 Ma. At this time a minor

526 peak of magmatic activity is identified east of the Banfora Belt.

Early peak metamorphism identified at ca. 2130 Ma (Block et al., 2015) is taken as an 527 indication of the timing at which the two blocks were docked and it coincides with peak 528 magmatism in the eastern portion of the study area. Intrusions younger than ca. 2130 529 Ma generally contain inherited grains with ages up to 2250 Ma. This suggests that the 530 crust was thicker after that time, allowing for incorporation of older components, which 531 is also consistent with an accretionary model. Additionally the distribution of inherited 532 ages up to ca. 2250 Ma indicates that the ca. 2130 Ma magmas interacted with, or 533 sampled sediments derived from, previously emplaced intrusions with ages between ca. 534 2250 and 2150 Ma. 535

These observations are consistent with an arc type environment, as suggested by e.g. Ama Salah et al. (1996), Béziat et al. (2000), Sylvester and Attoh (1992), Abati et al. (2012), Block et al. (2015) and (2016b), Lambert-Smith et al. (2016), Petersson et al. (2016) and Tapsoba et al. (2013).

This study identified Archean zircon inheritance, particularly in the <2130 Ma 540 intrusions. These occurrences could imply a greater involvement of Archean crust in the 541 Paleoproterozoic granitic magmas than previously proposed. Recent studies, Abati et al. 542 (2012), Begg et al. (2009) and Petersson et al. (2016), have also advocated a greater role of 543 Archean crust, and future isotope studies are required to evaluate this further. Ultimately, 544 however, the distribution and scarcity of Archean inheritance points toward a predominately 545 juvenile crustal growth during the Paleoproterozoic across the Baoulé-Mossi domain, as long 546 547 argued by Nd and Hf isotope studies (e.g. Abati et al., 2012; Abouchami et al., 1990; Boher et al., 1992; Tapsoba et al., 2013; Taylor et al., 1992). 548

549

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# 567 <u>9 Tables, Figures and Supplementary Materials</u>

568 *Table 1* Sample information, location, rock type and basic field description as part of the present study.

569 *Table 2* Summary of main mineralogical characteristics by volcanic belt or geologic region of interest.

570 *Table 3* Summary of interpreted crystallization ages and identified inherited ages.

571 *Figure 1* A) Simplified geological map of the West African craton after Boher et al. (1992) Sketch shows the

572 extension of the Leo-Man rise in the southern portion of the craton, defined by the Archean Kénéma-Man and

573 Paleoproterozoic Baoulé-Mossi domain. Boxed area shown in detail in insert B; B) Simplified geological map,

- 574 after Lebrun et al. (2016) of the study areas delineated in insert A. Zone 1 covers Burkina Faso, Mali northern
- 575 Ghana and eastern Guinea, while zone 2 covers a portion of the Ashanti belt in southern Ghana. Map includes
- 576 *major structures and samples collected for geochronological work.*

Figure 2 Simplified lithostratigraphic, deformation, geochronological chart highlighting geologic areas of
interest for the present study, showing the timing of emplacement of the studied felsic intrusions. Modified after
Baratoux et al. (2011), Block et al. (2015), (2016b), Lebrun et al. (2016), Miller et al. (2013), Perrouty et al.

580 (2012), (2015), Miller et al. (2013) and Tshibubudze et al. (2015).
581 Figure 3 A) Characteristic rock exposure found across southern Mali and Burkina Faso; B) Granitic intrusion

mostly composed of a fine grained quartz matrix, mineral assemblage includes biotite, quartz, and plagioclase phenocrysts of 2 mm by 4 to 5 mm (ML12-080); C) Least deformed portion of the Diallo Granite, which is quartzfeldspar-biotite rich (SU-021); and D) A granite, of equigranular texture, fine to medium grained. K-feldspar dominated, quartz and some plagioclase, black minerals are mostly biotite (ML12-105). All images refer to exposures in southern Mali.

587 Figure 4 Thin section images in XPL of characteristic samples showing mineral composition of rock samples 588 identified across the study area; A) Major minerals, K-feldspar, quartz, plagioclase, biotite, small amounts of 589 hornblende. Chlorite, sericitic alteration and traces of sulphides, other minerals include zircons, titanite and some 590 hematite (ML12-068); B) Quartz, plagioclase, small amounts of K-feldspar, traces of pyrite and chalcopyrite, 591 biotite and hornblende (SU 002); C) Angular K-feldspar crystals, minor amounts of plagioclase, relatively large 592 amounts of brownish red biotite and some hornblende, chlorite and quartz (SU 001); D) Sericitic alteration, 593 primary structures relatively easy to identify, mainly composed of large plagioclase crystals within a quartz matrix 594 and traces of biotite, titanite, zircon, epidote and chlorite (BE5); E) Plagioclase, K-feldspar, quartz. Biotite is 595 common, small amounts of sericitic alteration, most feldspar crystals appear intact (ML12-104); F) Plagioclase 596 rich, original textures hard to identify due to pervasive sericitic alteration from the center of the crystals outwards, 597 amphibole (hornblende) in some cases visible alteration into chlorite, minor amounts of quartz and small amounts 598 of biotite, visible apatite/zircons, and additionally extensive occurrence of opaque minerals, majority of which 599 appear to be pyrite (BNF150559); G) Quartz, plagioclase, biotite and muscovite. Quartz matrix is fine grained 600 when compared to the plagioclase crystals. Accessory minerals include titanite, zircon, chlorite, ilmenite, signs 601 of alteration some sericite visible (SU 007); and H) Quartz content between 5 to 15%, sample is plagioclase 602 dominated, k-feldspar is not visible as samples is strongly altered and it is difficult to identify minerals and 603 textures. Biotite and hornblende are also present. Alteration products are chlorite, epidote, and maybe actinolite 604 (ML12-086).

*Figure 5* Selected zircon images showing the different morphological characteristics of zircon. A and B) Granites *from the Belahouro Belt; C) Granodiorite from the Boromo-Hounde belts; D and E) Represent zircons from a*

diorite and a granite from the Banfora Belt; F) Zircon obtain from a granite of the Morila Belt; G, H, I and J)
Zircons representing a porphyry, two granites and a syenite representative of the Yanfolila Belt; and K, L and M)
Zircons from a granite, a dacite and a diorite from the Siguiri Basin. Notice that the zircons from granites and
granodiorites are mostly elongated and tabular, while the zircons from diorites are slightly more rounded and
display a faint zoning instead of the well-defined oscillatory zoning of zircons from the granites. Scale bar in all
images represents 100 μm.

- *Figure 6 A*) *Histogram showing new interpreted U-Pb crystallization ages distributed by belts and regions of*geologic interest as described in the regional geology section; and *B*) *Histogram showing the age distribution of*the studied samples base on identified rock types.
- *Figure 7* Age distribution by longitude color coded by volcanic belts and regions of geologic interest. A) Shows
  all ages while B) focuses on the age range between 2400 and 2000 Ma. Solid symbols represent U-Pb ages
  interpreted as crystallization ages; open symbols represent individual U-Pb analyses interpreted to represent
  inherited ages.
- *Figure 8* Left Weight mean average age; right Concordia age plots. Black symbols are accepted analyses while
  red symbols represent rejected analyses. From top to bottom samples: across Burkina Faso, BF1 (Goren/Po-
- **622** Tenkodogo-Yamba), BE5 (Belahouro Belt), HO629 (Boromo-Hounde belts). BNF 150559 (Banfora Belt) and
- 623 from Mali ML12-086 (Bagoe Belt).
- 624 *Figure 9* Weight mean average age; right Concordia age plots. Black symbols are accepted analyses while red
- 625 symbols represent rejected analyses. Samples from across Mali: ML12-105 (Morila Belt), ML12-107 Bougouni
- 626 region, MWAXI-126 (Yanfolila Belt), and from Guinea, KL000565 (Siguiri Basin).
- *Figure 10* Relative probability density diagrams, top A) this study ages east of the Bagoe Belt dominated by ages
  older than 2130 Ma Main peak ca. 2135 Ma, secondary peak at 2175 Ma; Bottom B) ages west of the Bagoe Belt
  dominated by ages between ca. 2100 and 2070 with a major peak at ca. 2095 Ma. 2130 Ma boundary after peak
  metamorphism exhumation of high-grade rocks identified by Block et al. (2015).
- Figure 11 Zircon and monazite U-Pb age distribution across the southern West African Craton for the period
  between 2250 and 2050 Ma. A) Ages between 2300 and 2130 Ma, showing a marked concentration of ages in the
  eastern craton, and no recorded ages within the Archaean host rocks; B) Ages between 2130 and 2090 Ma,
  showing a uniform coverage of ages across craton for this age bracket, and several ages recorded within the
- Archaean host rocks; and C) Ages for the period 2090-2050 Ma, clearly showing that most ages are concentrated

west of the Banfora-Bagoe belts in the westernmost portion of the study area. (520 ages from bibliography,
Supplementary Material A).

638 Figure 12 Longitudinal variations in magmatic activity. A) Zircon and monazite U-Pb age distribution as a 639 function of longitude (520 ages from bibliography, Supplementary Material A, Table 1, WAXI II compilation and 640 this work). Notice this compilation only includes interpreted crystallization ages and metamorphic ages. Other 641 not specified refers to ages from which the reference does not clarifies specify source rock type or if it is a 642 crystallization or metamorphic age. The sharp cessation of magmatism across the craton is clearly defined, with 643 subsequent reworking limited to the margins of the craton, dashed line; B) zircon and monazite U-Pb age 644 distribution as a function of longitude for the age bracket 2300-2000 Ma (455 ages) (Table 1, WAXI II age 645 compilation and this work). The progressive cessation of the magmatic activity from east to west during this period 646 in the southern West African Craton equates to a migration of approximately 35 km/Myr. Over 95% of all ages 647 plot above the offset of magmatism line "magmatic front" (dashed bottom arrow).

648 Figure 13 Schematic cartoon showing the proposed boundaries and crustal blocks. Top, shows the Archean 649 Kénéma-Man and the Baoulé-Mossi domain. The Baoulé-Mossi domain, which is divided into two blocks during 650 the period 2160-2130 Ma. During the mentioned period the assemblage blocks are affected by compressional 651 forces, first N-S (D1) as mentioned described by Baratoux et al. (2011), Block et al. (2016a), and Perrouty et al. 652 (2012) the followed by a E-W compression (D2) (Baratoux et al., 2011; Block et al., 2016a; Perrouty et al., 2012). 653 Density of the dot pattern indicates distribution of magmatic activity. Greater density = greater magmatism, and 654 less density = less magmatism; and Bottom shows the amalgamation of the Paleoproterozoic blocks under a D2 655 compressions for the period 2130-2110 Ma. Notice the occurrence of inherited grains. Inheritance is mainly 656 concentrated in the eastern portion of the Baoulé-Mossi and predominately represented by ages between ca. 2500 657 and 2125 Ma which are common crystallization ages across the easternmost portion of the study area, indicating 658 that the western block is contaminated by crustal material derived from the eastern block. 659 Supplementary Material A. Summary of published ages. The ages include emplacement and metamorphic events 660 as well as multiple dating methods. Blank spaces indicate a lack of available information in the data source.

661 Supplementary Material B. Raw SHRIMP U-Pb data.

662 Supplementary Material C. Raw LA-ICP-MS data.

663

#### 664 <u>10 Appendix A – Sample Preparation and Analytical Methods.</u>

665 A.1 Zircon mount preparation
The epoxy mounts are discs of 5 mm thick by 25 mm diameter. Three to four samples 666 were placed in each mount. Chips of the primary zircon standards BR266 (559 Ma, 903 U ppm; 667 Stern (2001)) or M257 (561.3 Ma and 840 ppm; Nasdala et al. (2008)), were used for U/Pb 668 calibration. Accuracy and reproducibility was monitored by including the secondary zircon 669 standards OGC1 (3465 Ma; Stern et al. (2009)), and Temora2 (416.8 Ma; Black et al. (2004)). 670 In addition chips of the silicate glass NIST 610 were included in the mounts for instrument set-671 672 up purposes. The mounts were polished with diamond film polishing mats as fine as 0.5 µm. Subsequently, the epoxy discs were cleaned using ethanol and petroleum spirits, a soap 673 674 solution, and rinsed with deionized water in an ultrasonic bath. Mounts were oven dried (1 hour at 60°C) and the analytical surface was coated with a 40 µm gold layer. Detailed mounting 675 procedures and preparation can be reviewed in Claoué-Long et al. (1995). 676

Mounts were imaged using the backscattered electron and cathodoluminescence detectors of a JEOL 6400 Scanning Electron Microscope (SEM) or a VEGA 3 Tescan SEM at the Centre for Microscopy, Characterization and Analysis (CMCA), University of Western Australia (UWA). The acquired images allowed the identification of internal structures. Grains showing a large number of cracks or obvious radiation damage were not analyzed.

682

## 683 A.2 Sensitive High Resolution Ion Micro Probe (SHRIMP) dating

Zircon mounts were analyzed by means of Sensitive High Resolution Ion Micro Probe (SHRIMP II) at the John de Laeter (JDL) Centre for Isotope Research of Curtin University, Perth, Australia. Details of instrument operating conditions are described in De Laeter and Kennedy (1998) and Kennedy and De Laeter (1994) while analytical conditions are described in detail in Claoué-Long et al. (1995), Compston et al. (1984), and Williams (1988). The analytical procedure usually includes the use of a 25-30  $\mu$ m diameter elliptical spot due to a mass-filtered (O<sub>2</sub>)<sup>-</sup> primary beam between 2.0 and 2.5 nA. Each dataset included six scans 691 through the mass range of  ${}^{196}$ Zr<sub>2</sub>O<sup>+</sup> (2 seconds),  ${}^{204}$ Pb<sup>+</sup> (10 seconds), background (204.1) (10 692 seconds),  ${}^{206}$ Pb<sup>+</sup> (20 seconds),  ${}^{207}$ Pb<sup>+</sup> (30 seconds),  ${}^{208}$ Pb<sup>+</sup> (10 seconds),  ${}^{238}$ U<sup>+</sup> (5 seconds), 693  ${}^{248}$ ThO<sup>+</sup> (5 seconds), and  ${}^{254}$ UO<sup>+</sup> (2 seconds) (Nasdala et al., 2008). The data from each sample 694 were reduced using the excel-based add-in program SQUID version 2.2 (Ludwig, 2003). Data 695 reduction procedures were after Wingate and Kirkland (2014).

Zircon is a very resilient, refractory mineral that can survive partial melting and high 696 grade regional metamorphism without losing its isotopic information (Mezger and Krogstad, 697 1997 references therein; Scherer et al., 2007). However, low grade metamorphism, fluid 698 699 circulation and in some instances weathering can affect the U-Pb systematics, which results in discordant U-Pb ages. These discordant ages are for the most part due to Pb-loss (Mezger and 700 Krogstad, 1997 references therein). In order to minimize the difficulties associated with 701 702 potentially disturbed U-Pb systematics, for the purpose of this study U-Pb ages were only calculated from concordant to near concordant grains (discordance between -5% and +10%). 703 Additionally, analyses that comprise more than 1% of non-radiogenic <sup>206</sup>Pb (i.e., from common 704 705 lead) and yield U concentrations over a 1000 ppm were also rejected.

706

## 707 A.3 LA-ICP-MS Zircon dating

Laser ablation U-Pb zircon dating was carried out at the GEMOC/CCFS Centre. The 708 709 method used an Agilent 7700 quadrupole Inducted Coupled Plasma Mass Spectrometer (ICP-710 MS) attached to a New Wave/Merchantek UP-213 laser ablation system ( $\lambda$ =213 nm). Beam diameter was set at 30 or 40µm, based on zircon size. Beam repetition was set at 5 Hz rate and 711 energy around 0.06 µJ and 8 J/cm2. He was used as transport media, as it increases sample 712 713 transport efficiency during the ablation process. Using He provides a more stable signal, and therefore a more reproducible Pb/U fractionation. Additional description and details are 714 715 founded in Belousova et al. (2010) and Jackson et al. (2004).

716 U-Pb data was determined by analyzing twelve unknown samples for every two analyses of the GEMOC GJ-1 zircon standard (Elhlou et al., 2006). GJ-1, TIMS<sup>207</sup>Pb/<sup>206</sup>Pb age 717 of 608.5 Ma (Jackson et al., 2004). Zircon standards 91500 (U-Pb age 1065 Ma, Wiedenbeck 718 et al., 1995) and Mud Tank (U-Pb age 732 Ma, Black and Gulson, 1978) were analyzed as 719 secondary control standards for reproducibility and instrument accuracy. U-Pb ages were 720 calculated from the raw signal data using the GLITTER software program after Griffin et al. 721 (2008). Further details on integrated ration, fractionation, time resolved intervals, and 722 instrumental mass bias and calibrating procedures are provided in Griffin et al. (2008) and 723 724 Jackson et al. (2004). Information on common-Pb correction procedures are provided in Andersen (2002). Analyses reported in this study were corrected assuming recent Pb-loss and 725 a common-Pb composition similar to present day average orogenic Pb as given by the second-726 stage growth curve of Stacey and Kramers (1975) for  ${}^{238}\text{U}/{}^{204}\text{Pb} = 9.74$ . No correction has been 727 applied to analyses that are concordant within  $2\sigma$  analytical error in  ${}^{206}Pb/{}^{238}U$  and  ${}^{207}Pb/{}^{235}U$ , 728 or which have less than 0.2% common-Pb. All described procedures are after Andersen et al. 729 730 (2004), Belousova et al. (2010), Griffin et al. (2008) and Jackson et al. (2004).

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## 732 <u>11 References</u>

- Abati, J., Aghzer, A.M., Gerdes, A., Ennih, N., 2012. Insights on the crustal evolution of the
  West African Craton from Hf isotopes in detrital zircons from the Anti-Atlas belt.
  Precambrian Research 212, 263-274.
- Abouchami, W., Boher, M., Michard, A., Albarede, F., 1990. A major 2.1 Ga event of mafic
  magmatism in west Africa: An Early stage of crustal accretion. Journal of Geophysical
  Research: Solid Earth 95, 17605-17629.

739	Ama Salah, I., Liegeois, J.P., Pouclet, A., 1996. Evolution d'un arc insulaire océanique birimien
740	précoce au Liptako nigérien (Sirba): géologie, géochronologie et géochimie. Journal of
741	African Earth Sciences 22, 235-254.

- Andersen, T., 2002. Correction of common lead in U-Pb analyses that do not report <sup>204</sup>Pb.
   Chemical Geology. 192, 59-79.
- Andersen, T., Griffin, W.L., Jackson, S.E., Knudsen, T.L., Pearson, N.J., 2004. MidProterozoic magmatic arc evolution at the southwest margin of the Baltic Shield.
  Lithos. 73, 289-318.
- Attoh, K., 1982. Structure, gravity models and stratigraphy of an early Proterozoic volcanic—
  sedimentary belt in northeastern Ghana. Precambrian Research 18, 275-290.
- Baratoux, L., Metelka, V., Naba, S., Jessell, M.W., Grégoire, M., Ganne, J., 2011. Juvenile
  Paleoproterozoic crust evolution during the Eburnean orogeny (~2.2–2.0 Ga), western
  Burkina Faso. Precambrian Research 191, 18-45.
- Barker, F., 1979. Trondhjemite: definition, environment and hypotheses of origin.
  Trondhjemites, dacites and related rocks. Elsevier, Amsterdam 1, 12.

Begg, G.C., Griffin, W.L., Natapov, L.M., O'Reilly, S.Y., Grand, S.P., O'Neill, C.J., Hronsky,
J.M.A., Djomani, Y.P., Swain, C.J., Deen, T., Bowden, P., 2009. The lithospheric
architecture of Africa: Seismic tomography, mantle petrology, and tectonic evolution.
Geosphere 5, 23-50.

Belousova, E., Kostitsyn, Y., Griffin, W.L., Begg, G.C., O'Reilly, S.Y., Pearson, N.J., 2010.
The growth of the continental crust: constraints from zircon Hf-isotope data. Lithos,
119. 457-466.

761 Bessoles, B., 1977. Géologie de l'Afrique: le craton ouest africain. B.R.G.M.

- Béziat, D., Bourges, F., Debat, P., Lompo, M., Martin, F., Tollon, F., 2000. A Paleoproterozoic
  ultramafic-mafic assemblage and associated volcanic rocks of the Boromo greenstone
  belt: fractionates originating from island-arc volcanic activity in the West African
  craton. Precambrian Research 101, 25-47.
- Béziat, D., Dubois, M., Debat, P., Nikiéma, S., Salvi, S., Tollon, F., 2008. Gold metallogeny
  in the Birimian craton of Burkina Faso (West Africa). Journal of African Earth Sciences
  50, 215-233.
- Black, L.P., Kamo, S.L., Allen, C.M., Davis, D.W., Aleinikoff, J.N., Valley, J.W., Mundil, R.,
  Campbell, I.H., Korsch, R.J., Williams, I.S., Foudoulis, C., 2004. Improved <sup>206</sup>Pb/<sup>238</sup>U
  microprobe geochronology by the monitoring of a trace-element-related matrix effect;
  SHRIMP, ID–TIMS, ELA–ICP–MS and oxygen isotope documentation for a series of
  zircon standards. Chemical Geology. 205, 115-140.
- Block, S., Baratoux, L., Zeh, A., Laurent, O., Bruguier, O., Jessell, M., Ailleres, L., Sagna, R.,
  Parra-Avila, L.A., Bosch, D., 2016a. Paleoproterozoic juvenile crust formation and
  stabilisation in the south-eastern West African Craton (Ghana); New insights from UPb-Hf zircon data and geochemistry. Precambrian Research 287, 1-30.
- Block, S., Ganne, J., Baratoux, L., Zeh, A., Parra-Avila, L.A., Jessell, M., Ailleres, L.,
  Siebenaller, L., 2015. Petrological and geochronological constraints on lower crust
  exhumation during Paleoproterozoic (Eburnean) orogeny, NW Ghana, West African
  Craton. Journal of Metamorphic Geology 33, 463-494.

782	Block, S., Jessell, M., Aillères, L., Baratoux, L., Bruguier, O., Zeh, A., Bosch, D., Caby, R.,
783	Mensah, E., 2016b. Lower crust exhumation during Paleoproterozoic (Eburnean)
784	orogeny, NW Ghana, West African Craton: Interplay of coeval contractional
785	deformation and extensional gravitational collapse. Precambrian Research 274, 82-109.

- Boher, M., Abouchami, W., Michard, A., Albarede, F., Arndt, N.T., 1992. Crustal growth in
  West Africa at 2.1 Ga. Journal of Geophysical Research: Solid Earth 97, 345-369.
- Bruguier, O., Dada, S., Lancelot, J., 1994. Early Archaean component (> 3.5 Ga) within a 3.05
  Ga orthogneiss from northern Nigeria: U-Pb zircon evidence. Earth and Planetary
  Science Letters 125, 89-103.
- Castaing, C., Billa, M., Milési, J.P., Thiéblemont, D., Le Métour, J., Egal, E., Donzeau, M.,
  (BRGM) (coordonnateurs), G.C., Cocherie A, Chévremont P, Tegyey M, Itard Y
  (BRGM), Zida B, Ouédraogo I, Koté S, Kaboré BE, Ouédraogo C (BUMIGEB), Ki JC,
  Zunino C (ANTEA), 2003. Notice explicative de la carte géologique et miniére du
  Burkina Faso a` 1/1 000 000, in: BRGM (Ed.), Orléans, France,, p. 147.
- Cawood, P.A., Kröner, A., Collins, W.J., Kusky, T.M., Mooney, W.D., Windley, B.F., 2009.
  Accretionary orogens through Earth history. Geological Society, London, Special
  Publications 318, 1-36.
- Claoué-Long, J.C., Compston, W., Roberts, J., Fanning, C.M., 1995. Two Carboniferous ages:
   a comparison of SHRIMP zircon dating with conventional zircon ages and <sup>40</sup>Ar/<sup>39</sup>Ar
   analysis, in Time Scales and Global Stratigraphic Correlation edited by WA Berggren,
   DV Kent, M-P Aubrey, and J Hardenbol. Society for Sedimentary Geology, Special
   Publication 54, 3-21.

804	Compston, W., Williams, I., Meyer, C., 1984. U-Pb geochronology of zircons from lunar
805	breccia 73217 using a sensitive high mass-resolution ion microprobe. Journal of
806	Geophysical Research: Solid Earth (1978–2012). 89, B525-B534.

- Condie, K.C., 1998. Episodic continental growth and supercontinents: a mantle avalanche
  connection? Earth and Planetary Science Letters 163, 97-108.
- 809 Condie, K.C., O'Neill, C., Aster, R.C., 2009. Evidence and implications for a widespread
  810 magmatic shutdown for 250 My on Earth. Earth and Planetary Science Letters 282,
  811 294-298.
- Davis, D.W., Hirdes, W., Schaltegger, U., Nunoo, E.A., 1994. U-Pb age constraints on
  deposition and provenance of Birimian and gold-bearing Tarkwaian sediments in
  Ghana, West Africa. Precambrian Research 67, 89-107.
- de Kock, G.S., Armstrong, R.A., Siegfried, H.P., Thomas, E., 2011. Geochronology of the
  Birim Supergroup of the West African craton in the Wa-Bolé region of west-central
  Ghana: Implications for the stratigraphic framework. Journal of African Earth Sciences
  59, 1-40.

de Kock, G.S., Théveniaut, H., Botha, P.M.W., Gyapong, W., 2012. Timing the structural
events in the Palaeoproterozoic Bolé–Nangodi belt terrane and adjacent Maluwe basin,
West African craton, in central-west Ghana. Journal of African Earth Sciences 65, 124.

B23 De Laeter, J.R., Kennedy, A.K., 1998. A double focusing mass spectrometer for
geochronology. International Journal of Mass Spectrometry. 178, 43-50.

825	De Waele, B., Lacorde, M., Vergara, F., Chan, G., 2015. New insights on proterozoic tectonics
826	and sedimentation along the peri-Gondwanan West African margin based on zircon U-
827	Pb SHRIMP geochronology. Precambrian Research 259, 156-175.

- Doumbia, S., Pouclet, A., Kouamelan, A., Peucat, J.J., Vidal, M., Delor, C., 1998. Petrogenesis
  of juvenile-type Birimian (Paleoproterozoic) granitoids in Central Côte-d'Ivoire, West
  Africa: geochemistry and geochronology. Precambrian Research 87, 33-63.
- Egal, E., Thiéblemont, D., Lahondère, D., Guerrot, C., Costea, C.A., Iliescu, D., Delor, C.,
  Goujou, J.-C., Lafon, J.M., Tegyey, M., Diaby, S., Kolié, P., 2002. Late Eburnean
  granitization and tectonics along the western and northwestern margin of the Archean
  Kénéma–Man domain (Guinea, West African Craton). Precambrian Research 117, 57835
- Eglinger, A., Thébaud, N., Zeh, A., Davis, J., Miller, J., Parra-Avila, L.A., Loucks, R.,
  McCuaig, C., Belousova, E., 2017. New insights into the crustal growth of the
  Paleoproterozoic margin of the Archean Kéména-Man domain, West African craton
  (Guinea): Implications for gold mineral system. Precambrian Research 292, 258-289.
- Elhlou, S., Belousova, E., Griffin, W.L., Pearson, N.J., O'Reilly, S.Y., 2006. Trace element
  and isotopic composition of GJ-red zircon standard by laser ablation. Geochimica et
  Cosmochimica Acta. 70, A158.
- Feybesse, J.L., Billa, M., Guerrot, C., Duguey, E., Lescuyer, J.L., Milési, J.P., Bouchot, V.,
  2006a. The paleoproterozoic Ghanaian province: Geodynamic model and ore controls,
  including regional stress modeling. Precambrian Research 149, 149-196.

846	Feybesse, J.L., Sidibé, Y., Konaté, C., Lacomme, A., Zammit, C., Guerrot, C., Liégeois, J.P.,
847	De Waele, B., 2006b. Notice explicative de la Carte géologique de la République du
848	Mali à 1/200 000, Feuille n° NC-29-XVII, Tienko.–Bamako (Mali).

- Feybesse, J.L., Sidibé, Y., Konaté, C., Lacomme, A., Zammit, C., Guerrot, C., Liégeois, J.P.,
  De Waele, B., 2006c. Notice explicative de la Carte géologique de la République du
  Mali à 1/200 000, Feuille n° NC-29-XVIII, Tingréla.–Bamako (Mali).
- Ganne, J., Gerbault, M., Block, S., 2014. Thermo-mechanical modeling of lower crust
  exhumation-Constraints from the metamorphic record of the Palaeoproterozoic
  Eburnean orogeny, West African Craton. Precambrian Research 243, 88-109.
- Gasquet, D., Barbey, P., Adou, M., Paquette, J.L., 2003. Structure, Sr-Nd isotope geochemistry
  and zircon U-Pb geochronology of the granitoids of the Dabakala area (Côte d'Ivoire):
  evidence for a 2.3 Ga crustal growth event in the Palaeoproterozoic of West Africa?
  Precambrian Research 127, 329-354.
- Griffin, W., Powell, W., Pearson, N., O'Reilly, S., 2008. GLITTER: data reduction software
  for laser ablation ICP-MS. Laser Ablation-ICP-MS in the Earth Sciences.
  Mineralogical Association of Canada Short Course Series. 40, 204-207.

Gueye, M., Siegesmund, S., Wemmer, K., Pawlig, S., Drobe, M., Nolte, N., Layer, P., 2007.
New evidences for an early Birimian evolution in the West African Craton: An example
from the Kédougou-Kénieba inlier, southeast Senegal. South African Journal of
Geology 110, 511-534.

866	Hammond, N.Q., Robb, L., Foya, S., Ishiyama, D., 2011. Mineralogical, fluid inclusion and
867	stable isotope characteristics of Birimian orogenic gold mineralization at the Morila
868	Mine, Mali, West Africa. Ore Geology Reviews 39, 218-229.
869	Hawkesworth, C.J., Kemp, A.I.S., 2006. Using hafnium and oxygen isotopes in zircons to
870	unravel the record of crustal evolution. Chemical Geology 226, 144-162.
871	Hein, K.A.A., 2010. Succession of structural events in the Goren greenstone belt (Burkina
872	Faso): Implications for West African tectonics. Journal of African Earth Sciences 56,
873	83-94.
874	Hein, K.A.A., Morel, V., Kagoné, O., Kiemde, F., Mayes, K., 2004. Birimian lithological
875	succession and structural evolution in the Goren segment of the Boromo-Goren
876	Greenstone Belt, Burkina Faso. Journal of African Earth Sciences 39, 1-23.
877	Hildreth, W., Moorbath, S., 1988. Crustal contributions to arc magmatism in the Andes of
878	central Chile. Contributions to mineralogy and petrology 98, 455-489.
879	Hirdes, W., Davis, D., Eisenlohr, B., 1992. Reassessment of Proterozoic granitoid ages in
880	Ghana on the basis of U-Pb zircon and monazite dating. Precambrian Research 56, 89-
881	96.
882	Hirdes, W., Davis, D.W., 2002. U-Pb geochronology of Paleoproterozoic rocks in the southern
883	part of the Kedougou-Kéniéba Inlier, Senegal, West Africa: Evidence for diachronous

accretionary development of the Eburnean Province. Precambrian Research 118, 83-99.

- Hirdes, W., Davis, D.W., Lüdtke, G., Konan, G., 1996. Two generations of Birimian
  (Paleoproterozoic) volcanic belts in northeastern Côte d'Ivoire (West Africa):
  consequences for the 'Birimian controversy'. Precambrian Research 80, 173-191.
- Jackson, S.E., Pearson, N.J., Griffin, W.L., Belousova, E.A., 2004. The application of laser
  ablation-inductively coupled plasma-mass spectrometry to in situ U-Pb zircon
  geochronology. Chemical Geology. 211, 47-69.
- Junner, N., 1940. Geology of the Gold Coast and Western Togoland with revised geological
  map. Gold Coast, Geological Survey.
- Junner, N., 1954. Notes on the classification of the Precambrian of West Africa. XIX
  International Geological Congress. Algiers 20, 114-117.
- Kemp, A.I.S., Foster, G.L., Scherstén, A., Whitehouse, M.J., Darling, J., Storey, C., 2009.
  Concurrent Pb-Hf isotope analysis of zircon by laser ablation multi-collector ICP-MS,
  with implications for the crustal evolution of Greenland and the Himalayas. Chemical
  Geology 261, 244-260.
- Kemp, A.I.S., Hawkesworth, C.J., Foster, G.L., Paterson, B.A., Woodhead, J.D., Hergt, J.M.,
  Gray, C.M., Whitehouse, M.J., 2007. Magmatic and crustal differentiation history of
  granitic rocks from Hf-O isotopes in zircon. Science 315, 980-983.
- Kennedy, A., De Laeter, J., 1994. The performance characteristics of the WA SHRIMP II ion
  microprobe. Unite States Geological Survey Circular. 1107, 16.
- 805 Kesse, G.O., 1985. The mineral and rock resources of Ghana.

- Kitson, A.E., 1918. Annual Report. Gold Coast Geological Survey for 1916/17, Accra. (non
  publ.), Accra.
- Kröner, A., Ekwueme, B.N., Pidgeon, R.T., 2001. The oldest rocks in West Africa: SHRIMP
  zircon age for early Archean migmatitic orthogneiss at Kaduna, northern Nigeria. The
  Journal of Geology 109, 399-406.
- Lahondère, D., Thiéblemont, D., Tegyey, M., Guerrot, C., Diabate, B., 2002. First evidence of
  early Birimian (2.21 Ga) volcanic activity in Upper Guinea: the volcanics and
  associated rocks of the Niani suite. Journal of African Earth Sciences 35, 417-431.
- Lambert-Smith, J.S., Lawrence, D.M., Müller, W., Treloar, P.J., 2016. Palaeotectonic setting
  of the south-eastern Kédougou-Kéniéba Inlier, West Africa: New insights from igneous
  trace element geochemistry and U-Pb zircon ages. Precambrian Research 274, 110-135.
- Lebrun, E., Thébaud, N., Miller, J., Ulrich, S., Bourget, J., Terblanche, O., 2016.
  Geochronology and lithostratigraphy of the Siguiri district: Implications for gold
  mineralisation in the Siguiri Basin (Guinea, West Africa). Precambrian Research 274,
  136-160.
- Leube, A., Hirdes, W., Mauer, R., Kesse, G.O., 1990. The early Proterozoic Birimian
  Supergroup of Ghana and some aspects of its associated gold mineralization.
  Precambrian Research 46, 139-165.
- Li, Z.X., Li, X.H., 2007. Formation of the 1300-km-wide intracontinental orogen and
  postorogenic magmatic province in Mesozoic South China: A flat-slab subduction
  model. Geology 35, 179-182.

927	Liégeois, J.P., Claessens, W., Camara, D., Klerkx, J., 1991. Short-lived Eburnian orogeny in
928	southern Mali. Geology, tectonics, U-Pb and Rb-Sr geochronology. Precambrian
929	Research 50, 111-136.

Lompo, M., 2009. Geodynamic evolution of the 2.25-2.0 Ga Palaeoproterozoic magmatic rocks 930 in the Man-Leo Shield of the West African Craton. A model of subsidence of an oceanic 931 plateau. Geological Society, London, Special Publications 323, 231-254. 932

Ludwig, K.R., 2003. User's manual for Isoplot 3.00: a geochronological toolkit for Microsoft 933 934 Excel. Kenneth R. Ludwig.

McFarlane, C.R.M., Mavrogenes, J., Lentz, D., King, K., Allibone, A., Holcombe, R., 2011. 935 Geology and intrusion-related affinity of the Morila Gold Mine, Southeast Mali. 936 937 Economic Geology 106, 727-750.

Metelka, V., Baratoux, L., Naba, S., Jessell, M.W., 2011. A geophysically constrained litho-938 939 structural analysis of the Eburnean greenstone belts and associated granitoid domains, Burkina Faso, West Africa. Precambrian Research 190, 48-69. 940

Mezger, K., Krogstad, E.J., 1997. Interpretation of discordant U-Pb zircon ages: An evaluation. 941 Journal of Metamorphic Geology. 15, 127-140. 942

Milési, J., Feybesse, J., Pinna, P., Deschamps, Y., Kampunzu, H., Muhongo, S., Lescuyer, J., 943 Le Goff, E., Delor, C., Billa, M., 2004. Geological map of Africa 1: 10,000,000, 944 SIGAfrique project, 20th Conference of African Geology, BRGM, Orléans, France, pp. 945 2-7.

946

947	Milési, J.P., Ledru, P., Ankrah, P., Johan, V., Marcoux, E., Vinchon, C., 1991. The
948	metallogenic relationship between Birimian and Tarkwaian gold deposits in Ghana.
949	Mineral. Deposita 26, 228-238.

Milési, J.P, Ledru, P., Feybesse, J.L., Dommanget, A., Marcoux, E., 1992. Early proterozoic
ore deposits and tectonics of the Birimian orogenic belt, West Africa. Precambrian
Research 58, 305-344.

Miller, J.M., Davis, J., Baratoux, L., McCuaig, T.C., Metelka, V., Jessel, M., 2013. Evolution
of gold systems in Guinea, southern Mali and western Burkina Faso: AMIRA
International Ltd P934A – West African Exploration Initiative – Stage 2 Final report,
Appendix D1, unpublished.

- Naba, S., Lompo, M., Debat, P., Bouchez, J.L., Béziat, D., 2004. Structure and emplacement
  model for late-orogenic Paleoproterozoic granitoids: the Tenkodogo–Yamba elongate
  pluton (Eastern Burkina Faso). Journal of African Earth Sciences 38, 41-57.
- 960 Nasdala, L., Hofmeister, W., Norberg, N., Martinson, J.M., Corfu, F., Dörr, W., Kamo, S.L.,
- Kennedy, A.K., Kronz, A., Reiners, P.W., 2008. Zircon M257-a homogeneous natural
  reference material for the ion microprobe U-Pb analysis of zircon. Geostandards and
  Geoanalytical Research. 32, 247-265.

O'Connor, J., 1965. A classification for quartz-rich igneous rocks based on feldspar ratios.
 United States Geological Survey Professional Paper B 525, 79-84.

Oberthür, T., Vetter, U., Davis, D.W., Amanor, J.A., 1998. Age constraints on gold
mineralization and Paleoproterozoic crustal evolution in the Ashanti belt of southern
Ghana. Precambrian Research 89, 129-143.

969	Olson, S.F., Diakite, K., Ott, L., Guindo, A., Ford, C.R.B., Winer, N., Hanssen, E., Lay, N.,
970	Bradley, R., Pohl, D., 1992. Regional setting, structure, and descriptive geology of the
971	middle Proterozoic Syama gold deposit, Mali, West Africa. Economic Geology 87,
972	310-331.

- Parra-Avila, L.A., Belousova, E., Fiorentini, M.L., Baratoux, L., Davis, J., Miller, J., McCuaig,
  T.C., 2016. Crustal evolution of the Paleoproterozoic Birimian terranes of the BaouléMossi domain, southern West African Craton: U-Pb and Hf-isotope studies of detrital
  zircons. Precambrian Research 274, 25-60.
- Petersson, A., Scherstén, A., Kemp, A.I.S., Kristinsdóttir, B., Kalvig, P., Anum, S., 2016.
  Zircon U-Pb-Hf evidence for subduction related crustal growth and reworking of
  Archaean crust within the Palaeoproterozoic Birimian terrane, West African Craton, SE
  Ghana. Precambrian Research 275, 286-309.
- Pitra, P., Kouamelan, A., Ballevre, M., Peucat, J.J., 2010. Palaeoproterozoic high-pressure
  granulite overprint of the Archean continental crust: evidence for homogeneous crustal
  thickening (Man Rise, Ivory Coast). Journal of Metamorphic Geology 28, 41-58.
- Pouclet, A., Vidal, M., Delor, C., Simeon, Y., Alric, G., 1996. Le volcanisme birimien du nordest de la Cote-d'Ivoire, mise en evidence de deux phases volcano-tectoniques distinctes
  dans l'evolution geodynamique du Paleoproterozoique. Bulletin de la Societe
  Geologique de France 167, 529-541.
- Roddaz, M., Debat, P., Nikiéma, S., 2007. Geochemistry of Upper Birimian sediments (major
  and trace elements and Nd-Sr isotopes) and implications for weathering and tectonic
  setting of the Late Paleoproterozoic crust. Precambrian Research 159, 197-211.

- Rollinson, H., 2016. Archaean crustal evolution in West Africa: A new synthesis of the
  Archaean geology in Sierra Leone, Liberia, Guinea and Ivory Coast. Precambrian
  Research 281, 1-12.
- Scherer, E.E., Whitehouse, M.J., Münker, C., 2007. Zircon as a monitor of crustal growth.
  Elements. 3, 19-24.
- Stacey, J.S., Kramers, J.D., 1975. Approximation of terrestrial lead isotope evolution by a twostage model. Earth and Planetary Science Letters. 26, 207-221.
- 998 Stern, R.A., 2001. A new isotopic and trace-element standard for the ion microprobe:
  999 preliminary thermal ionization mass spectrometry (TIMS) U-Pb and electron1000 microprobe data. Ressources naturelles Canada.
- Stern, R.A., Bodorkos, S., Kamo, S.L., Hickman, A.H., Corfu, F., 2009. Measurement of SIMS
   instrumental mass fractionation of Pb isotopes During zircon dating. Geostandards and
   Geoanalytical Research. 33, 145-168.

1004 Streckeisen, A., 1976. To each plutonic rock its proper name. Earth-Science Reviews 12, 1-33.

- Sylvester, P.J., Attoh, K., 1992. Lithostratigraphy and composition of 2.1 Ga greenstone belts
  of the West African craton and their bearing on crustal evolution and the ArcheanProterozoic boundary. Journal of Geology 100, 377-393.
- Tapsoba, B., Lo, C.-H., Jahn, B.-M., Chung, S.-L., Wenmenga, U., Iizuka, Y., 2013. Chemical
  and Sr–Nd isotopic compositions and zircon U–Pb ages of the Birimian granitoids from
  NE Burkina Faso, West African Craton: Implications on the geodynamic setting and
  crustal evolution. Precambrian Research 224, 364-396.

1012	Taylor, P.N., Moorbath, S., Leube, A., Hirdes, W., 1992. Early Proterozoic crustal evolution
1013	in the Birimian of Ghana: constraints from geochronology and isotope geochemistry.
1014	Precambrian Research 56, 97-111.

- Traoré, Y.D., Siebenaller, L., Salvi, S., Béziat, D., Bouaré, M.L., 2016. Progressive gold
  mineralization along the Syama corridor, southern Mali (West Africa). Ore Geology
  Reviews 78, 586-598.
- Trashliev, S., 1974. The geology of ¼ field sheets 82 (Wiawso SE) and 46 (Asankragwa NE).
  Unpublished Report of Ghana Geological Survey.
- Tshibubudze, A., Hein, K.A.A., Marquis, P., 2009. The Markoye Shear Zone in NE Burkina
  Faso. Journal of African Earth Sciences 55, 245-256.
- Tshibubudze, A., Hein, K.A.A., McCuaig, T.C., 2015. The relative and absolute chronology of
   strato-tectonic events in the Gorom-Gorom granitoid terrane and Oudalan-Gorouol belt,
   northeast Burkina Faso. Journal of African Earth Sciences 112, Part B, 382-418.
- Tshibubudze, A., Hein, K.A.A., Peters, L.F.H., Woolfe, A.J., McCuaig, T.C., 2013. Oldest UPb crystallisation age for the West African Craton from the Oudalan-Gorouol Belt of
  Burkina Faso. South African Journal of Geology 116, 169-181.

Turner, P., 1995. Evolution of the early Proterozoic Boundiali-Bagoe supracrustal belt and
 associated granitic rocks, northern Cote d'Ivoire, West Africa. University of
 Portsmouth.

Valley, J.W., 2003. Oxygen Isotopes in Zircon. Reviews in Mineralogy and Geochemistry 53,
343-385.

- Valley, J.W., Chiarenzelli, J.R., McLelland, J.M., 1994. Oxygen isotope geochemistry of
  zircon. Earth and Planetary Science Letters 126, 187-206.
- Vegas, N., Naba, S., Bouchez, J.L., Jessell, M., 2008. Structure and emplacement of granite
   plutons in the Paleoproterozoic crust of Eastern Burkina Faso: rheological implications.
   International Journal of Earth Sciences 97, 1165-1180.
- Vidal, M., Delor, C., Pouclet, A., Simeon, Y., Alric, G., 1996. Geodynamic evolution of the
  West Africa between 2.2 and 2 Ga : The Archaean style of the Birimian greenstone
  belts and the sedimentary basins in northeastern Ivory-Coast. Bulletin de la Societe
  Geologique de France 167, 307-319.
- Vidal, M., Gumiaux, C., Cagnard, F., Pouclet, A., Ouattara, G., Pichon, M., 2009. Evolution
  of a Paleoproterozoic "weak type" orogeny in the West African Craton (Ivory Coast).
  Tectonophysics 477, 145-159.
- Wiedenbeck, M.A.P.C., Alle, P., Corfu, F., Griffin, W.L., Meier, M., Oberli, F.V., Quadt, A.V.,
  Roddick, J.C. and Spiegel, W., 1995. Three natural zircon standards for U-Th-Pb,
  Lu-Hf, trace element and REE analyses. Geostandards and Geoanalytical Research, 19,
  1048 1-23.
- Williams, I.S., 1988. U-Th-Pb geochronology by ion microprobe, in: McKibben, M.A.,
  Shanks, W.C., III and Ridley, W.I. (Eds.), Applications of microanalytical techniques
  to understanding mineralizing processes. Reviews in Economic Geology. Society of
  Economic Geologists. 1-35.
- Wingate, M., Kirkland, C., 2014. Introduction to geochronology information released in 2014.
  Geological Survey of Western Australia 207.





















2.4

2.8

<sup>238</sup>U/<sup>206</sup>Pb

3.2

4.0

3.6









SAMPLE	Lat	Long	Rock type
BE2	14. 2875743	-0.951721163	Alkali Granite
BE3A	14.43560775	-1.006964971	Gabbro
BE5	14.33001685	-1.032425683	Granite
BE6	14. 34137763	-1.044571053	Granite
BE7	14. 43255296	-1.129127061	Granite
BE13	14. 34197	-1.370551545	Granodiorite
H0253	10.31665	-3.21925255	Granite
H0254	10.31609019	-3.221127	Granite
H0257	10. 30121734	-3.23070374	Granite
H0479A	12.35270146	-2.58412633	Gabbro
H0480	12.35803386	-2.58100659	Granodiorite
H0629	10.27159	-3.088572658	Tonalite
H0631A	10.26827034	-3.089174449	Granodiorite
H0631B	10.26827034	-3.089174449	Aplite
H0640A	12.37363901	-2.599927036	Diorite
H0640C	12.37363901	-2.599927036	Diorite
BF12-01	10.6494	-4.7971	Granite
BF12-04	10.7058	-4.3535	Syenogranite
BF12-05	10.53	-4.0682	Granite
BNF150559	10. 44257378	-5.456932949	Diorite
BNF150561	10. 47148353	-5.215988762	Granite
BNF150562	10.33388867	-5.275614224	Diorite
BNF150563	10.37617658	-5.404149353	Granite
BNF150564	10.36121027	-5.404318071	Monzogranite
BNF150565	10.33302388	-5.275215532	Monzogranite
ML12-086	10.57669277	-6.119712499	Diorite
SU_001	11.8375738	-6.76848865	Granite "Missigui"
SU_002	11.83296936	-6.76769245	Granite
SU_003	11. 5957831	-6.83742302	Felsic intrusive
SU_004	11.68287648	-6.85295267	Granodiorite
SU_006	11.67487828	-6.852307165	Tonalite
SU_007	11.67930407	-6.849540564	Granodiorite
SU_012	11. 41514981	-7.017465652	Granite
ML12-068	10.47100483	-7.047098	Granite
ML12-070	10. 52080895	-7.09607438	Orthogranite
ML12-078	11.08404302	-7.43209708	Pegmatite
ML12-079A	11. 12371556	-6.82612153	Gneiss
ML12-079B	11. 12371556	-6.82612153	Granite
ML12-080	11.10897637	-6.81390868	Gneiss
ML12-082	11.22255518	-6.79942265	Granite

ML12-083B	11.31124024	-6.71976004	Granodiorite
ML12-084	11.32736923	-6.73064603	Granodiorite
ML12-083	11.39186893	-6.681166287	Granite
ML12-105	11.31350348	-6.825446155	Granite
ML12-107	11.87412148	-7.33345408	Granite
ML12-125	11.96698346	-8.20531156	Granodiorite
ML12-150	11.85183162	-8.06251897	Granodiorite
ML12-187	11.27952591	-7.9443483	Granite
SU_015	11.37351992	-7.412245005	Granite
SU_016	11.373538	-7.412244905	Granite
SU_034	11.37379642	-7.41177952	Aplite
SU_037	11.3482295	-7.72442551	Granite "Bougouni"
DS-014	11.23657676	-8.466991626	Porphyry
KADD119A-M	10.7921	-8.19763	Diorite
KADD119A	10.7921	-8.19763	Diorite
ML12-066	11.19229266	-7.77283033	Granodiorite
ML12-113	12.007218	-8.28057979	Granodiorite
ML12-114	11.9918252	-8.24927883	Granodiorite
ML12-116	11.96591369	-8.20923831	Granodiorite
ML12-117	11.9662435	-8.20652098	Granodiorite
ML12-118	11.9662435	-8.20652098	Granite
ML12-153	11.65719506	-8.25081398	Diorite
ML12-161	11.42031503	-8.41546666	Diorite
ML12-165	11.42234001	-8.41488923	Diorite
ML12-166	11.41429296	-8.42674208	Diorite?
ML12-167	11.41399633	-8.4277692	Granite
ML12-168	11.41277014	-8.42873638	
ML12-170	11.50162468	-8.41047247	
ML12-177	11.54659871	-8.26385253	Granodiorite
ML12-178	11.54894573	-8.26451277	Diorite
SU_019	11.31540035	-8.27508713	Granite
SU_020	11.31543798	-8.27519953	Granite
SU_021	11.27172245	-8.32079968	Granite "Diallo"
SU_022	11.27521033	-8.31370968	Granite "Money"
SU_023	11.31563521	-8.27516777	Granite "Siekerole"
SU_029	11.31551929	-8.27492268	Granite "Siekerole"
SU_051	11.62984576	-8.26297109	Granite
SU_052	11.62905493	-8.261747	Granite
SU_053	11.6293177	-8.26129119	Granite
SU_054	11.64054926	-8.23177935	Granite
SU_056	11.62224063	-8.18712585	Granite
SU_057	11.48782862	-8.21077815	Granite

SU_059	11.45287906	-8.25837747	Syenite
MWAXI-126/DS-001	11.42209093	-8.347029861	Porphyry
MWAXI-127/DS-002	11.42655656	-8.34578184	Porphyry
MWAXI-128/DS-003	11.42655258	-8.345766655	Porphyry
MWAXI-129/DS-004	11.23765946	-8.466627555	Porphyry
MWAXI-130/DS-005	11.26638033	-8.393047578	Porphyry
MWAXI-131/DS-006	11.23053507	-8.466330319	Porphyry
MWAXI-132/DS-007	11.23053625	-8.466345622	Porphyry
MWAXI-133/DS-008	11.23053663	-8.466350257	Porphyry
MWAXI-134/DS009	11.20142263	-8.408768109	Porphyry
MWAXI-135/DS-010	11.26685152	-8.395215777	Porphyry
MWAXI-136/8DS-011	11.27042155	-8.395437157	Porphyry
MWAXI-137/DS-012	11.27039454	-8.39521619	Porphyry
MWAXI-138/DS-013	11.24521424	-8.395821054	Porphyry
SI-124	11.69892867	-9.366777442	Granite
KD000154	10.57691572	-8.877497566	Diorite
KL000274	10.77452268	-8.917751799	Dacite
KL000565	10.78728611	-8.972577086	Granodiorite
KL000630	10.77046183	-8.919851767	Granite
BF1	13.75246	-2.53802	Granite
BF2	13.38028	-2.38712	Tonalite
BF3	13.01286	-1.83645	Granite
BF4	12.4004	-1.70917	Granite
BF5	12.39939	-1.11051	Tonalite
BF6	12.01079	-0.31836	Tonalite
BF7	11.89121	-0.29407	Granite
BF8	11.54592	0.73965	Granodiorite
BF9	11.47774	1.0282	Quatrz Diorite
BF10	14.17631	-0.6011	Diorite
BF11	14.66517	-0.43407	Granite
BF12	13.35991	-0.52269	Granite
NG1	10.75	-2.000001	Granite
SG5	6.494627	-1.182057	Granite
SG6	5.655136	-0.547377	Granite

## Field description

Post tectonic granite Fine-grained gabbro/basalt Magnetic-textured granite, coarse-grained and aplite phases non-magnetic textured granite Souma Diorite Granodiorite Sheared granite Granite Granite Gabbro Granodiorite, biotite-amphibole bearing Foliated tonalite Granodiorite Aplite Diorite, amphibole-bearing Diorite, amphibole bearing, leucocratic Granite with biotite  $\pm$  amphibole Syenogranite, medium-grained, quartz, K-fsp, plagioclase, biotite and amphibole Banded granitoid: Lighter layers, quartzofeldspathic minerals and darker layers, ferromagnesian minerals Mg equigranular diorite Granitoid hanging wall Samavogo Hbl diorite Og lineated granitoid Monzonite Mg granitoid Svenite/Svenogranite, highly magnetic, intrusive, no obvious foliation Pink 'Massigui' Granite, magnetic, Morila area Qtz-Fspar Dyke in Massigui granite, flattened sediment xenoliths (054 strike). Qtz-Fspar-Bt, equigranular intrusive, little deformation Granodiorite, Morila pit/West side Tonalite, coarse- grained, Morila pit/south end Granodiorite, Morila pit/centre White/Grey 'Doubalakoro' Granite, Non-magnetic Granite Orthogranite, sediment and mafic xenoliths, 2-10mm plagioclase, ghost clasts, slightly banded Pegmatite, massive feldspar, 040 fabric and 080 strike Gneiss Equigranular Gneissic-granitoid Gneissic-granitoid

Granodiorite Diorite-granodiorite Gneissic granitoid K-feldspar rich granite K-feldspar rich granite Granodiorite Granodiorite, stacked gtz vein array Granite, Plag-qtz-bt, equigranular 3 Phase Granite, felsic phase 3 Phase Granite, more mafic phase. Aplite dyke, aplite has fractionated into pegmatite on the margins Granite, mafic phase, weak foliation 005-030, C-prime development (discrete shears) 040-055 Fine-grained porphyry intrusive Diorite main body Diorite east body Granodiorite, mafic xenoliths, magmatic texture, sedimentary xenoliths Granodiorite Granodiorite Granodiorite Granodiorite Feldspathic Intrusive Qtz-Diorite Selingue Dam Quarry Fine-grained intermediate intrusive Porphyry intrusive within granodiorite-diorite Felsic Intrusive? Feldspar rich, contains small bt rich xenoliths Fine-grained intermediate intrusive Dacite? Felsic Intrusive? Feldspar rich, contains small bt rich xenoliths. Granodiorite-diorite, magnetic and magmatic banding indicates 060 strike Porphyry intrusive within granodiorite-diorite Siekerole Granite, 64/048NW Siekerole Granite, not oriented, Qtz-Fspar-Musc Diallo granite, slightly deformed portion of the granite Granite Siekerole granite, not -oriented, sinistral shear, with qtz and offset. Siekerole granite, sinistral shear, with gtz vein Magnetic 2 feldspar granite, coarse-grained, variably deformed, xXenoliths of Qtz-bt schist common <10cm Magnetic 2 feldspar granite, coarse-grained, variably deformed, C-Prime developed Magnetic 2 feldspar granite, coarse-grained, variably deformed, sinistral movement sense Granite, Qtz-Bt-Musc, strongly foliated Granite, massive texture, cut by pegmatite dykes, xenoliths common, deformed and aligned Granite, deformed
Syenite, occasional pegmatite dykes 70/343W Diorite monzogranite Altered diorite Altered dacite microporphyry Granodiorite Altered dacite porphyry Megacrystic granite, megacrysts are K-feldspars Coarse-grained tonalite locally affected by small scale ( $\sim$  cm) shear bands Leucocratic and fine-grained granite Leucocratic and fine-grained granite Tonalite slightly leucocratic and strongly foliated Coarse-grained tonalite, dark minerals are biotite and hornblendes Equigranular medium-grained granite with mesocratic color Granodiorite roughly foliated and locally folded Mesocratic to melanocratic guartz-diorite with phenocrysts of hornblendes Quartz rich microdiorite Pink-colored and medium to fine-grained granite Leucocratic and fine-grained granite locally affected by small shear bands quartz-plagioclase-hornblende -biotite granite quartz -biotite -feldspar granite quartz -biotite -plagioclase granitic rock with pegmatite veins

Re	gion

The Belahouro Belt (BE)

The Boromo-Hounde Belts (HO)

Banfora

Syama

Morila

Bougouni

Yanfolila

Siguiri Basin

#### **Mineralogical Characteristics Summary**

Granites and granodiorites, light colored, medium to coarse grained. Main minerals composed of K-feldspar and plagioclase (between 30 well as quartz (>25%) and biotite (10 to 15%). Accessory minerals hornblende, magnetite, titanite, zircon, and chlorite. Sample alteration established to be between 3 and 5.

Granites and granodiorites to diorites fine to medium grained, occasionally porphyritic texture defined by large (approximately 4 to 6 mn xenocrysts. biotite and hornblende rich, sulphides are common as well as oxides (i.e. ilmenite). alteration was deemed to be between 5 to grains show sericitic alteration difficulty mineral identification. Muscovite is present as an alteration product. Micas are partially chloritiz epidotize. Other accessory minerals are zircons and titanites, which for most part are flattened wedge-shaped.

Surface samples are mixture of granites and quartz syenites, while drill core samples are granites and granodiorites (if Quartz >20%) and to diorites (if Quartz <15%). Samples are feldspars rich, either plagioclase or K-feldspar, and quartz as well as biotite. a limited amount or contain hornblende. Muscovite is present as a primary mineral (magmatic) in all hornblende-free samples. This magmatic muscovite is new the sericitic alteration, it does not appear to be deformed. Muscovite is found in close spatial association with feldspar and in some case quartz matrix. Muscovite also occurs as an alteration product and it mostly occurs within sericitic altered feldspar grains. Sericitic alteret

Sample is extremely altered (9 on the alteration scale used in the study). Originally the sample was probably plagioclase dominated, with amounts of quartz and some biotite and minor amounts of hornblende. Other minerals include chlorite, epidote, and secondary muscovite limited number of feldspar grains that can be identified, the sample is likely to be a monzodiorite or a diorite.

Mostly granites, granodiorites and a diorites. Medium to coarse grained; feldspar composition ranges between K-feldspar and plagioclase amounts of quartz. Most samples are mica rich, mostly biotite, with some samples also containing muscovite as a primary mineral, or as a alteration. The biotite in most cases is reddish-brown and in a few cases green. Additionally, samples contain ilmenite, apatite, titanite, zi occasionally hornblende and some opaques (mostly sulphides). Samples are not as altered and rank between 3 and 5 in the alteration scale samples are deformed and show some mineral alignment.

Samples are granites and granodiorites depending on their K-feldspar to plagioclase ratios, whereas quartz is usually above 30%. Grain si some samples are aplitic, whereas others are more medium to coarse grained. Fine grained samples occur in dykes. Medium to coarse gra are from intrusive bodies. Samples show variable amounts of biotite and hornblende. Other minerals are zircon, titanite as well as chlorite epidote. Alteration ranges between 4 and 6.

Samples are granites, to granodiorites to diorites. Alteration rank between 4 and 7. Mineral composition includes plagioclase, K-feldspar, primary (magmatic) and secondary (resulting from alteration) muscovite, some biotite and minor amounts of hornblende. The most altere secondary chlorite and in some cases epidote. Additional minerals include titanite, zircon, apatite and some opaques (sulfides).

Surface samples can be classified as a granodiorite containing plagioclase, K-feldspar, quartz and hornblende and some biotite with a rela degree of alteration (alteration scale value of 2) and minor amounts of chlorite. Drill core samples are very fine grained matrix and large particular energy scale value of drill core was rank to be between 7 to 9.

Regio	Sample ID	Lat	Lon	Country		Protholith	<sup>207</sup> Pb/ <sup>206</sup> Pb Intercept age (Ma)	± 1σ
Banfora	BF12-05	10. 530	-4.068	Burkina	Faso	Granite	2115	23
Banfora	BF12-01	10.649	-4.797	Burkina	Faso	Granite	2122	36
Banfora	BNF150562	10.334	-5.276	Burkina	Faso	Diorite	2123	7
Banfora	BNF150561	10.471	-5.216	Burkina	Faso	Granite	2150	33
Banfora	BNF150563	10.376	-5.404	Burkina	Faso	Granite	-	_
Banfora	BNF150559	10.443	-5.457	Burkina	Faso	Diorite	2143	5
Belahouro	BE6	14.341	-1.045	Burkina	Faso	Granite	2125	5
Belahouro	BE2	14.288	-0.952	Burkina	Faso	Alkali Grani	2140	10
Belahouro	BE3A	14.436	-1.007	Burkina	Faso	Gabbro	2142	6
Belahouro	BE5	14.330	-1.032	Burkina	Faso	Granite	2146	14
Belahouro	BE13	14.342	-1.371	Burkina	Faso	Granodiorite	2794	2300
<i>Belahouro</i>	BF11	14. 665	-0. 434	Burkina	Faso	Granite		
Belahouro	BE7	14.433	-1.129	Burkina	Faso	Granite	_	_
Belahouro	BF10	14. 176	-0. 601	Burkina	Faso	Granite		
Boromo-Houn	d, H0640C	12.374	-2.600	Burkina	Faso	Diorite	2074	28
Boromo-Houn	deH0257	10.301	-3.231	Burkina	Faso	Granite	2136	4
Boromo-Houn	deH0631B	10.268	-3.089	Burkina	Faso	Aplite	2134	9
Boromo-Houn	deH0631A	10.268	-3.089	Burkina	Faso	Granodiorite	2149	12
Boromo-Houn	deH0480	12.358	-2.581	Burkina	Faso	Granodiorite	2166	10
Boromo-Houn	deH0253	10.317	-3.219	Burkina	Faso	Granite	2167	8
Boromo-Houn	deH0629	10.272	-3.089	Burkina	Faso	Tonalite	2168	10
Boromo-Houn	de H0640A	12.374	-2.600	Burkina	Faso	Diorite	2156	9
Boromo-Houn	deHO479A	12.353	-2.584	Burkina	Faso	Gabbro	2170	9
Goren/Po-Te	en BF4	<i>12. 400</i>	<i>-1. 709</i>	Burkina	Faso	Granite		
Goren/Po-Te	en BF1	<i>13. 752</i>	<i>-2. 538</i>	Burkina	Faso	Granite	2121	7
Goren/Po-Te	en BF7	<i>11. 891</i>	<i>-0.294</i>	Burkina	Faso	Granite		
Goren/Po-Te	en BF9	11. 478	1. 028	Burkina	Faso	Quatrz Diorit	е	
Goren/Po-Te	en BF3	13. 013	-1. 836	Burkina	Faso	Granite		
Goren/Po-Te	en BF5	<i>12. 399</i>	-1. 111	Burkina	Faso	Tonalite	2136	11
Goren/Po-Te	en BF2	13. 380	<i>-2. 387</i>	Burkina	Faso	Tonalite	2145	. 11
Goren/Po-Te	en BF12	13. 360	-0. 523	Burkina	Faso	Granite		
Goren/Po-Te	en BF6	<i>12. 011</i>	-0. 318	Burkina	Faso	Tonalite	2176	17
Goren/Po-Te	en BF8	11. 546	0. 740	Burkina	Faso	Granodiorite	2271	22
Ashanti-Kum	na. SG5	<i>6. 495</i>	-1. 182	Ghana		Granite	_	
Ashanti-Kum	na. SG6	5. 655	-0. 547	Ghana		Granite	2087	. 19
Koudougou-1	Tui NG1	10. 750	-2. 000	Ghana		Granite	2114	9
Siguiri	KL000630	10.770	-8.920	Guinea		Granite	2066	19
Siguiri	SI-124	11.699	-9.367	Guinea		Granite	2078	19
Siguiri	KL000565	10.787	-8.973	Guinea		Granodiorite	2098	7
Siguiri	KD000154	10.577	-8.877	Guinea		Diorite	-	-
Siguiri	KL000274	10.775	-8.918	Guinea		Dacite	2133	20
Bougouni	ML12-107	11.874	-7.333	Mali		Granite	2088	16
Bougouni	ML12-150	11.852	-8.063	Mali		Granodiorite	2067	11
Bougouni	SU_037	11.348	-7.724	Mali		Granite "Bou <sub>{</sub>	2095	11
Bougouni	ML12-125	11.967	-8.205	Mali		Granodiorite	2077	10
Bougouni	ML12-187	11.280	-7.944	Mali		Granite	2089	63

Bougouni	SU_015	11.374	-7.412 Mali	Granite	2102	5
Bougouni	SU_034	11.374	-7.412 Mali	Aplite	2109	13
Bougouni	ML12-066	11.192	-7.773 Mali	Granodiorite	2099	8
Bougouni	SU_016	11.374	-7.412 Mali	Granite	2100	11
Morila	ML12-079B	11.124	-6.826 Mali	Granite	2086	9
Morila	ML12-080	11.109	-6.814 Mali	Gneiss	2101	13
Morila	SU_012	11.415	-7.017 Mali	Granite	2089	6
Morila	SU_001	11.838	-6.768 Mali	Granite "Mis:	2096	7
Morila	ML12-079A	11.124	-6.826 Mali	Gneiss	2089	8
Morila	ML12-105	11.314	-6.825 Mali	Granite	2105	20
Morila	SU_002	11.833	-6.768 Mali	Granite	2104	35
Morila	SU_006	11.675	-6.852 Mali	Tonalite	2100	5
Morila	ML12-068	10.471	-7.047 Mali	Granite	2084	13
Morila	SU_003	11.596	-6.837 Mali	Felsic intru:	2092	10
Morila	SU_007	11.679	-6.850 Mali	Granodiorite	2116	20
Morila	SU_004	11.683	-6.853 Mali	Granodiorite	2120	10
Morila	ML12-070	10.521	-7.096 Mali	Orthogranite	2121	9
Morila	ML12-078	11.084	-7.432 Mali	Pegmatite	2136	15
Syama	ML12-086	10.577	-6.120 Mali	Diorite	2149	7
Yanfolila	MWAXI-132/DS-	11.231	-8.466 Mali	Porphyry	2071	13
Yanfolila	SU_052	11.629	-8.262 Mali	Granite	2078	7
Yanfolila	SU_051	11.630	-8.263 Mali	Granite	2075	5
Yanfolila	DS-014	11.237	-8.467 Mali	Porphyry	2090	30
Yanfolila	ML12-114	11.992	-8.249 Mali	Granodiorite	2077	8
Yanfolila	ML12-118	11.966	-8.207 Mali	Granite	2085	12
Yanfolila	SU_021	11.272	-8.321 Mali	Granite "Dial	2082	10
Yanfolila	MWAXI-126/DS-	11.422	-8.347 Mali	Porphyry	2081	10
Yanfolila	MWAXI-138/DS-	11.245	-8.396 Mali	Porphyry	2097	20
Yanfolila	ML12-153	11.657	-8.251 Mali	Diorite	2067	11
Yanfolila	SU_057	11.488	-8.211 Mali	Granite	2092	8
Yanfolila	ML12-113	12.007	-8.281 Mali	Granodiorite	2083 -	
Yanfolila	ML12-116	11.966	-8.209 Mali	Granodiorite	2083	8
Yanfolila	SU_056	11.622	-8.187 Mali	Granite	2087	5
Yanfolila	SU_054	11.641	-8.232 Mali	Granite	2088	8
Yanfolila	ML12-117	11.966	-8.207 Mali	Granodiorite	2099	11
Yanfolila	SU_023	11.275	-8.314 Mali	Granite "Siel	2077	19
Yanfolila	SU_022	11.316	-8.275 Mali	Granite "Mone	2097	13
Yanfolila	SU_029	11.316	-8.275 Mali	Granite "Siel	2166	72
Yanfolila	KADD119A-M	10.792	-8.198 Mali	Diorite	2138	18
Yanfolila	ML12-178	11.549	-8.265 Mali	Diorite	2129	12
Yanfolila	ML12-177	11.547	-8.264 Mali	Granodiorite	2132	10
Yanfolila	SU_059	11.453	-8.258 Mali	Syenite	2141	10
Yanfolila	MWAXI-135/DS-	11.267	-8.395 Mali	Porphyry	2137	16
Yanfolila	MWAXI-130/DS-	11.266	-8.393 Mali	Porphyry	2195	22
Yanfolila	MWAXI-134/DSC	11.201	-8.409 Mali	Porphyry	2323	130
Yanfolila	MWAXI-131/DS-	11.231	-8.466 Mali	Porphyry -	-	
Yanfolila	SU_019	11.315	-8.275 Mali	Granite -	-	
Yanfolila	SU_020	11.315	-8.275 Mali	Granite -		

\* Age used throughout the manuscript

<sup>207</sup> Pb/ <sup>206</sup> Pb Weight Mean Avg age (Ma)	Inte Crst on a (Ma)	erpreted talyzati age ±1σ )*	Inf age	erited es (Ma) ±1σ	Inhe: ages	rited (Ma) ±1σ	
2108	16	2108	16		_	_	
2122	12	2122	12		-	_	
2126	4	2126	4		-	_	
2131	10	2131	10		-	_	
2136	14	2136	14	2170	13		
2141	10	2143	10		-	_	
2123	6	2123	6		-	_	
2129	7	2129	7		-	_	
2140	4	2140	4		_	_	
2134	11	2146	14		-	_	
2172	15	2172	15		-	_	
				2270	28		
	_		-		-	_	
2114	5	2114	5	2156	11	2191	11
2134	3	2134	3		_	_	
2138	5	2134	9	2170	15		
2150	9	2150	9		_	_	
2165	11	2165	11		-	_	
2176	7	2167	8		-	_	
2168	16	2168	10	2221	20		
2170	7	2170	7		_	_	
2172	8	2172	8		_	_	
2130	30	2130	30				
2128	16	2121	7				
				2503	33		
2131	19	2130	6				
2136	10	2136	11				
2146	9	2145	6				
		2169	28				
2177	9	2176	17				
<i>2265</i> –	17 _	2265	17 -				
2094	18	2094	18	2153	14		
2111	12	2114	9				
2078	14	2078	14	2131	12		
2089	12	2089	12		-	_	
2096	10	2098	7		-	_	
2110	13	2110	13	2154	12	2274	22
2120	20	2120	20	2878	9		
2084	11	2084	11		-	-	
2088	6	2088	6		_	_	
2088	8	2088	8	2136	13	2215	11
2090	12	2090	12		-	_	
2090	22	2090	22	2162	14		

2098	4	2098	4		-	_	
2098	7	2098	7		_	_	
2099	6	2099	6		_	_	
2102	7	2102	7		_	_	
2087	8	2086	9	2143	12		
2091	9	2091	9	2128	7		
2094	4	2094	4		_	_	
2102	11	2096	7		_	_	
2098	6	2098	6		_	_	
2101	10	2101	10		_	_	
2103	14	2103	14		_	_	
2103	7	2103	7		_	_	
2100	7	2104	7		_	_	
2101	6	2101	6		_	_	
2100	0	2105	0	2165	16	2200	16
2110	10	2110	9 10	2105	10	2290	10
2110	10	2120	10	2100	0	2223	( E
2121	8	2121	8	2150	l C	2207	5 10
2122	12	2136	15	2212	0	2571	10
2150	6	2150	6		-	-	
2076	10	2076	10	2133		2195	
2076	6	2076	6		_	_	
2077	5	2077	5		-	-	
2083	6	2083	6	2149	9	2214	
2084	7	2084	7		_	_	
2098	9	2085	12		-	_	
2085	7	2085	7				
2086	5	2086	5	2156	10		
2086	10	2086	10	2157	14		
2088	6	2088	6		-	_	
2088	5	2088	5	2114	7	2141	17
2090	6	2090	6		-	_	
2090	6	2090	6		-	_	
2091	6	2091	6	2155	10		
2092	4	2092	4 -	_	-	_	
2093	5	2093	5 -	_	-	_	
2096	11	2096	11	2121	7	2165	14
2097	13	2097	13	2130	7	2190	27
2114	11	2114	11	2144	6	2235	10
2119	6	2119	6	3522	8	3622	6
2132	10	2132	10 -	_	_	_	
2135	6	2135	6 -	_	_	_	
2146	9	2146	9 -	_	_	_	
2159	11	2159	11	2243	25		
2191	21	2174	15	2265	14		
2216	15	2216	15 -	_	_	_	
-		_	_	_	_	_	
-		_	_	_	_	_	
_		_	_	_	_	_	

### Comments

Crystallization age obtain from four analyses

No intercept age, inherited age obtain from two analyses Concordia Age

Basalt unit.

discordia age not relaible, no lower intercept , but grains not concordant enough to generate a concordia plot *No reliable age only 2 analyses at 2169* ± *41 Ma, inheretance from 3 analyses* No reliabel age was obtained

No reliable age, just two analyses at 2157  $\pm$  29 Ma

discordia plot age is not reliable, no lower intercept. Two analyses yield inherited ages of 2156 ±11 and 219

Inherited age determined as weight mean average of two analyses

Crystallization age obtain from four analyses/ Inherited age obtain from four analyses discordia plot age is not reliable, no lower intercept

#### No reliable intercept age/ age from only 4 analyses

No reliable age, only 3 analyses weight mean average of 2122  $\pm$  36 Ma No reliable ageonly 3 analyses weight mean average of 2130  $\pm$  22 Ma, inhereted age from 2 analyses Intercept age not reliable

## Not enough analyses to determine a relaible age base on the rejection criteria Inheratence from two analyses

Inherited age obtain from 1 analysis

No intercept age, inherited age obtain from four analyses another grain yield an age of 2274  $\pm$  22 Ma Inherited age obtain from 1 analysis

discordia plot no lower intercept An additional inherited grain was recorded at 2215  $\pm$  11 Ma Crystallization age obtain from five analyses Crystallization age obtain from five analyses Inherited grain if included as part of the main population does not generate a discordia plot solution Inherited age is from 1 grain, 2 analyses yield large errors that could affect interpreted crystallization age

Only 5 analyses were accepted for age calculation

discordia plot no lower intercept Discordia plot no lower intercept Inherited age represented by two grains between 2165 and 2290 Ma Inherited age compose of two analyses. 1 additional analysis yield an inherited age of 2223  $\pm$  7 Ma 1 analysis yield an age of 2207  $\pm$  5 Ma 4 populations of inherited ages (5 analyses) up to 2571 Ma

Porphyritic sample either felsic volcanic or shallow intrusion/ 3 inherited grains ranging from 2133 to 2195 N

Crystallization age obtain from four analyses/Aditionally 2 other analyses yield ages between 2184 and 2214 Ma No lower intercept in discordia plot

Inherited grains, three analyses between 2150 and 2190 Ma Porphyritic sample either felsic volcanic or shallow intrusion?Inherited population 5 analyses Porphyritic sample either felsic volcanic or shallow intrusion/ Inherited population 3 analyses

Inherited population composed of three analyses ranging between 2114 and 2141 Ma

Inherired age 1 analysis

Two inherited population, one with five analyses, the second one with 3 analyses at  $2165 \pm 14$  Ma Crystallization age obtain from four analyses/ Inherited age from 8 analyses, 3 older grains between 2170 and Discordia plot not reliable, no lower intercept. Inherited analyses range between 2144 and 2235 Ma (6 total) 2 grains at  $3522 \pm 8$  and  $3622 \pm 6$  Ma

Porphyritic sample either felsic volcanic or shallow intrusion, Discordia plot no lower intercept/. Inherited Porphyritic, either felsic volcanic or shallow intrusion/Relatively large errors for each analysis, Discordia Porphyritic sample either felsic volcanic or shallow intrusion/ Discordia plot no lower intercept No reliable age was determined/ Accepted analyses did not form a group of at least 4 near concordat grains No reliable age was established

All but one analyses were rejected no age determined

<b>REFEREN(I</b>	at	long	<b>COUNTRY AGE</b>	(Ma)	Technique	ue Lithology Process Da Minera		Mineral Dat
Petersson (	7.700556	2.187778	ASgh0022a	2093		granite		
Petersson (	5.5442	0.8300	ASGH003a	2125		two mica g	granodiorite	
Petersson (	4.9525	2.1369	asgh007a	2173		granite		
Petersson (	7.7006	2.1878	asgh022c	2092		pegmatite		
BF 1M Map	11.7810	-2.9460	Burkina Fa:	2109	Other	andesite/d	liorite	Zircon
BF 1M Map	11.7810	-2.9460	Burkina Fa:	2097	Other	andesite/d	liorite	Zircon
BF 1M Map	11.7840	-2.9440	Burkina Fa:	1992	K-Ar	andesite/d	liorite	
BF 1M Map	12.1430	-0.0610	Burkina Fa:	2170	Other	andesite/d	liorite	Zircon
BF 1M Map	12.1430	-0.0610	Burkina Fa:	1967	K-Ar	andesite/d	liorite	
BF 1M Mar	12.1440	-1.7040	Burkina Fa:	2140	Other	andesite/d	liorite	Zircon
BF 1M Map	12.2130	-0.5230	Burkina Fa:	2169	Other	andesite/d	liorite	Zircon
BF 1M Map	12.6410	-0.9490	Burkina Fa:	2143	Other	andesite/d	liorite	Zircon
BF 1M Map	12.9930	-0.8180	Burkina Fa:	2027	K-Ar	andesite/d	liorite	
BF 1M Map	13.0990	-0.9970	Burkina Fa:	2134	K-Ar	andesite/d	liorite	
BF 1M Map	13.0990	-0.9970	Burkina Fa:	2127	Other	andesite/d	liorite	Zircon
BF 1M Map	13.0990	-0.9970	Burkina Fa:	2118	K-Ar	andesite/d	liorite	
BF 1M Map	11.0810	0.5830	Burkina Fa	2143	K-Ar	granite/leu	cogranite/m	Zircon
BF 1M Map	11.1680	-2.0790	Burkina Fa	2132	Other	granite/leu	cogranite/m	Zircon
BF 1M Map	11.2780	-3.9990	Burkina Fa	2113	Other	granite/leu	cogranite/m	Zircon
BF 1M Mar	11.3970	0.0960	Burkina Fa:	2135	Other	granite/leu	cogranite/m	Monazite
BF 1M Mar	11.4740	-1.1840	Burkina Fa:	2136	Other	granite/leu	cogranite/m	Zircon
BF 1M Mar	11.5760	-1.2080	Burkina Fa:	2110	Other	granite/leu	cogranite/m	Zircon
BF 1M Mar	11.6760	0.5150	Burkina Fa:	2150		granite/leu	cogranite/m	Zircon
BF 1M Mar	11.7720	-0.3370	Burkina Fa:	2117	Other	granite/leu	cogranite/m	Zircon
BF 1M Mar	11.8090	-1.2610	Burkina Fa:	2100	Other	granite/leu	cogranite/m	Monazite
BF 1M Mar	12.2490	-0.6110	Burkina Fa:	2111	Other	granite/leu	cogranite/m	Monazite
BF 1M Mar	12.3090	-2.7820	Burkina Fa:	2108	Other	granite/leu	cogranite/m	Zircon
BF 1M Mar	12.3170	-0.4400	Burkina Fa:	2048	K/Ar	granite/leu	icogranite/m	onzonite
BF 1M Mar	12.3320	-0.9840	Burkina Fa:	1889	K/Ar	granite/leu	icogranite/m	onzonite
BF 1M Mar	12.7140	-0.3240	Burkina Fa:	2097	Other	granite/leu	cogranite/m	Zircon
BF 1M Mar	12.7690	-2.1150	Burkina Fa:	2099	Other	granite/leu	cogranite/m	Zircon
BF 1M Mar	13.0650	-0.1700	Burkina Fa:	1988	K-Ar	granite/leu	icogranite/m	onzonite
BF 1M Mar	13.7670	0.1960	Burkina Fa:	2165	Other	granite/leu	cogranite/m	Zircon
BF 1M Mar	13.7670	0.1960	Burkina Fa:	2162	Other	granite/leu	cogranite/m	Zircon
BF 1M Mac	13.9770	-0.0400	Burkina Fa	2146	Other	granite/leu	cogranite/m	Zircon
BF 1M Mac	14.3010	-1.0540	Burkina Fa	2132	Other	granite/leu	cogranite/m	Zircon
BF 1M Mac	11.4500	-0.8340	Burkina Fa	2117	Other	aranulite/n	niamatite/ane	Zircon
BF 1M Mac	13.3760	0.6530	Burkina Fa	2159	Other	granulite/n	Metamorph	Monazite
BF 1M Mar	13.2040	-0.1730	Burkina Fa	1814	K-Ar	mafic dvke	9	
BF 1M Mac	11.0410	-3.2640	Burkina Fa	2171	K-Ar	rhvolite/fel	sic flow	Zircon
BF 1M Mac	11.3460	0.8370	Burkina Fa	2127	Other	rhvolite/fel	sic flow	Zircon
BF 1M Mar	11.2600	-3.6780	Burkina Fa	2106	Other	tonalite-tro	ndhiemite-a	Zircon
BF 1M Mar	11,2820	0.6520	Burkina Fa	2106	K-Ar	tonalite-tro	ondhiemite-a	ranodiorite
BF 1M Mac	11.5150	0.5320	Burkina Fa	2209	Other	tonalite-tro	ndhiemite-a	Monazite
BF 1M Mar	11.5280	-1.7760	Burkina Fa	2100	Other	tonalite-tro	ndhiemite-a	Zircon
BF 1M Mar	11,9150	0.2950	Burkina Fa	2128	Other	tonalite-tro	ndhiemite-a	Zircon
BF 1M Mar	12,7800	-1,2580	Burkina Fa	2153	Other	tonalite-tro	ndhiemite-a	Zircon
BF 1M Mar	13.0070	-0.1540	Burkina Fa	2162	Other	tonalite-tro	ndhiemite-a	Zircon
BF 1M Mar	13.0720	-0.1720	Burkina Fa	2009	K-Ar	tonalite-tro	ondhiemite-a	ranodiorite
BF 1M Mar	13,2070	-1.0290	Burkina Fa	2182	Other	tonalite-tro	ndhiemite-a	Zircon
BF 1M Mar	13.2760	-2.6900	Burkina Fa	2194	Other	tonalite-tro	ondhjemite-a	Zircon
····P					-		,	-

BE 1M Mar	13 2960	0 8380 Burkina Eas	1591 K-Ar	tonalite-trondhiemite-ar	anodiorite
BF 1M Mar	13 3610	-0 4800 Burkina Fa	2164 Other	tonalite-trondhiemite-g	Zircon
BF 1M Mar	13 7650	0 2690 Burkina Fa	2131 Other	tonalite-trondhiemite-g	Zircon
BF 1M Mar	13 7740	-1 0070 Burkina Fa	2156 Other	tonalite-trondhiemite-g	Zircon
BF 1M Mar	14.4280	-1.5400 Burkina Fa	2122 Other	tonalite-trondhiemite-q	Zircon
BF 1M Mar	11.0410	-3 8040 Burkina Fa	2212 Cther	volcanics	Zircon
BF 1M Mar	11 2560	-3 6530 Burkina Fa	2176 Other	volcanics	Zircon
BF 1M Mar	12 9370	-1 0590 Burkina Fa	2177 Other	volcanics	Zircon
BF 1M Mar	13 2730	-1 3060 Burkina Fa	2238 Other	volcanics 7	Zircon
BF 1M Mar	12 9710	-2 4640 Burkina Fa	2136 Other	volcanics	Monazite
Castaing et	13 2067	-1 0291 Burkina Fa	2182 Ph-Ph (ev)	a Granite Crystallizat	Zircon
Castaing et	12 1427	-0.0610 Burkina Fa	2170 Ph-Ph (ev	a Quartz dior Crystallizat	Zircon
Castaing et	12.1427	-0 5232 Burkina Fa	2169 Ph-Ph (ev)	a Quartz dior Crystallizat Z	Zircon
Castaing et	13 7670	0.1960 Burkina Fac	2165 Ph-Ph (ev)	a Granite Crystallizati Z	Zircon
Castaing et	13 3610	-0.4800 Burkina Fa	2164 Ph_Ph (eve	a Tonalite Crystallizati	Zircon
Castaing et	13.0070	0.1540 Burkina Fa	2162 Dh Dh (eve	a Tonalite Crystallizati	Zircon
Castaing et	13 7670	0 1960 Burking Fa	2102 T D-T D (EV)	a Tonalite Crystallizati	Zircon
Castaing et	13.7070	1.0070 Burking Eq.	2102 F D-F D (eve	a Tonalite Crystallizati	Zircon
Castaing et	13.7740	- 1.0070 Burking Fa:	2150 FD-FD (eve	a Tonalite Crystallizati	Ziroon
Castaing et	12.7004	-1.2301 BUIKINA FA	2103 FD-FD (ev		Ziroon
Castaing et	11.0014	0.3629 BUIKINA FA	2143 FD-FD (ev	a Duarta diar Crystallizati	Ziroon
Castaing et	12.0410	-0.9407 BUIKINA FA:	2143 PD-PD (eva	a Quartz dior Crystallizat z	Ziroon
	12.1440	-1.7042 BUIKINA FA:	2140 PD-PD (eva		
Castaing et	11.4743	-1.1843 BUIKINA Fa	2130 PD-PD (eva	a Granite Grystallizatiz	
Castaing et	11.1084	-2.0786 Burkina Fa:	2132 PD-PD (eva		
Castaing et	14.3009	-1.0540 Burkina Fa	2132 PD-PD (eva	a Granite Crystallizati z	
Castaing et	13.7000	0.2090 Burkina Fa	2131 PD-PD (eva	a Granouloni Crystallizati z	
Castaing et	11.9148	0.2947 Burkina Fa	2128 PD-PD (eva		
Castaing et	13.0990	-0.9970 Burkina Fa	2127 PD-PD (eV	a Quartz dior Crystallizat 2	Zircon
Castaing et	14.4284	-1.5400 Burkina Fa	2122 Pb-Pb (eva	a Granodiorit Crystallizat 2	Zircon
Castaing et	11.4495		2117 Pb-Pb (eva	a Granite Crystallizati 2	Zircon
Castaing et	11.7719	-0.3368 Burkina Fa	2117 Pb-Pb (eva	a Leucograni Crystallizati 2	Zircon
Castaing et	11.5758	-1.2083 Burkina Fa	2110 Pb-Pb (eva	a Granite Crystallizat 2	Zircon
Castaing et	11.5281	-1.7764 Burkina Fa	2100 Pb-Pb (eva	a Granodiorit Crystallizati 2	Zircon
Castaing et	12.7690	-2.1150 Burkina Fa	2099 Pb-Pb (eva	a Granite Crystallizat 2	Zircon
Castaing et	12.7142	-0.3242 Burkina Fa	2097 Pb-Pb (ev	aporation) Crystallizat	Zircon
Castaing et	13.2726	-1.3063 Burkina Fa	2238 Pb-Pb Zr e	PRhyolite Crystallizat	Zircon
Castaing et	12.9371	-1.0592 Burkina Fa	2177 Pb-Pb Zr e	Dacite tuff Crystallizat 2	Zircon
Castaing et	11.3456	0.8366 Burkina Fa	2127 Pb-Pb Zr e	PRhyolite Crystallizat Z	Zircon
Fontaine et a	al., 2017	Burkina Fa	2140 U-Pb	Diorite Emplacemez	Zircon
Tapsoba et	13.3550	-0.0650 Burkina Fa	2150 U-Pb	biotite gran Crystallizat z	zircon
Tapsoba et	12.7420	-1.4740 Burkina Fa	2135 U-Pb	granodioriteCrystallizat z	zircon
Tapsoba et	12.9020	-0.9690 Burkina Fa	2134 U-Pb	granodioriteCrystallizatiz	zircon
Tapsoba et	12.9550	-1.3480 Burkina Fa	2158 U-Pb	granodioriteCrystallizatiz	zircon
Tapsoba et	13.3550	-0.1630 Burkina Fa	2122 U-Pb	granodioriteCrystallizatiz	zircon
Tapsoba et	13.4820	-0.0750 Burkina Fa	2178 U-Pb	granodioriteCrystallizat z	zircon
Tapsoba et	13.2430	-0.1230 Burkina Fa	2152 U-Pb	quartz diori Crystallizat z	zircon
Tapsoba et	13.3530	-0.4780 Burkina Fa	2176 U-Pb	quartz diori Crystallizati z	zircon
Tapsoba et	13.4870	-0.0880 Burkina Fa	2150 U-Pb	quartz diori Crystallizat z	zircon
Tshibubudz	14.4072	-0.1427 Burkina Fa	2255 U-Pb	Granite Crystallizat	Zircon
Tshibubudz	14.5283	-0.1076 Burkina Fa	2253 U-Pb	Granodiorit Crystallizat	Zircon
Tshibubudz	14.6238	-0.0106 Burkina Fa	2152 U-Pb	granite Emplaceme	Zircon
Tshibubudz	14.5668	-0.2118 Burkina Fa	2202 U-Pb	Granite Emplacemez	zircon

Carte Geol	5.7700	-3.1580 Cote d'Ivoir	2136 U-Pb	granite/leucogranite/monzonite
Carte Geol	5.7660	-3.1850 Cote d'Ivoir	2148 Pb-Pb	granite/leucogranite/monzonite
Carte Geol	5.8400	-3.2030 Cote d'Ivoir	2162 U-Pb	granite/leucogranite/monzonite
Carte Geol	5.9660	-3.1810 Cote d'Ivoir	2081 U-Pb	granite/leucogranite/monzonite
Carte Geol	5.6220	-3.2010 Cote d'Ivoir	2165 U-Pb	rhyolite/felsic flow
Carte Geol	5.6720	-3.0320 Cote d'Ivoir	2180 U-Pb	volcanics
Cocherie et	7.3120	-7.4050 Cote d'Ivoir	2801 U-Pb	granite/leucMetamorph Monazite
Cocherie et	7.0510	-7.5180 Cote d'Ivoir	2033 U-Pb	granulite/m Metamorph Monazite
Cocherie et	7.0510	-7.5180 Cote d'Ivoir	2714 U-Pb	granulite/m Metamorph Monazite
Cocherie et	7.0510	-7.5180 Cote d'Ivoir	2794 U-Pb	granulite/m Metamorph Monazite
Cocherie et	7.2770	-7.4320 Cote d'Ivoir	2048 U-Pb	granulite/m Metamorph Monazite
Cocherie et	7.2770	-7.4320 Cote d'Ivoir	2725 U-Pb	granulite/m Metamorph Monazite
Cocherie et	7.2770	-7.4320 Cote d'Ivoir	2803 U-Pb	granulite/m Metamorph Monazite
Doumbia et	8.3290	-5.1040 Cote d'Ivoir	2108 Pb-Pb	andesite/dicigneous zircon
Doumbia et	8.2240	-5.0850 Cote d'Ivoir	2108 Pb-Pb	andesite/dicigneous zircon
Doumbia et	8.3370	-5.1030 Cote d'Ivoir	2108 Pb-Pb	andesite/dicigneous Zircon
Doumbia et	8.4890	-5.3730 Cote d'Ivoir	2084 Pb-Pb	aranite/leuclaneous zircon
Doumbia el	8.0090	-5.5020 Cote d'Ivoir	2097 Pb-Pb	aranite/leuclaneous Zircon
Doumbia el	8.4930	-5.3780 Cote d'Ivoir	2094 Pb-Pb	granite/leuclaneous Monazite
Doumbia et	8,1980	-5.0480 Cote d'Ivoir	2092 Pb-Pb	tonalite-tror laneous zircon
Doumbia et	8.1770	-5.0890 Cote d'Ivoir	2097 Pb-Pb	tonalite-tror laneous Zircon
Doumbia et	8 2050	-5 0450 Cote d'Ivoir	2220 Pb-Pb	tonalite-tror laneous Zircon
Doumbia et	8 2290	-5.0790 Cote d'Ivoir	2108 Ph-Ph	volcanics Igneous Zircon
Doumbia et	8 2780	-5 2500 Cote d'Ivoir	2123 Pb-Pb	volcanics Igneous Zircon
Gasquet et	8 5860	-4 3850 Cote d'Ivoir	2312 Ph-Ph	aranulite/m laneous Zircon
Gasquet et	8 5860	-4 3850 Cote d'Ivoir	2154 Pb-Pb	granulite/m Igneous Zircon
Gasquet et	8 5190	-4 6690 Cote d'Ivoir	2162 U-Pb	granite/leuclaneous Zircon
Gasquet et	8 1530	-5.0230 Cote d'Ivoir	2102 0 1 b 2118 U-Ph	tonalite-tror laneous Zircon
Gasquet et	8 1690	-4 4290 Cote d'Ivoir	2103 U-Ph	tonalite-tror laneous Zircon
Gasquet et	8 5860	-4 3850 Cote d'Ivoir	2170 U-Ph	tonalite-tror laneous Zircon
Gasquet et	8 6390	-4 4520 Cote d'Ivoir	2102 U-Ph	tonalite-tror laneous Zircon
Hirdes et al	9.6260	-3 7710 Cote d'Ivoir	2096 U-Ph	tonalite-trondhiemite-q Titanite/ fel
Hirdes et al	9 7760	-3 9270 Cote d'Ivoir	2000 U Pb	tonalite-trondhiemite-q Zircon
Hirdes et al	9 7760	-3 9270 Cote d'Ivoir	2110 0 1 b 2111 I LPh	tonalite-trondhiemite-g Titanite/ fel
Hirdes et al	9 6190	-3 6710 Cote d'Ivoir	2111 0-1 b 2152 11-Ph	tonalite-trondhiemite-grintanite/ iei
Hirdes et al	9 5750	-4.0940 Cote d'Ivoir	2102 U-1 b 2103 U-Ph	andesite/diclaneous Zircon/Titar
Hirdes et al	0.8350	-3.9710 Cote d'Ivoir	2100 0-1 b 2104 11-Ph	andesite/divigineous Zircon
Hirdes et al	9.6860	-4 1050 Cote d'Ivoir	2104 U-Ph	rhyolite/fels/aneous Zircon
Hirdes et al	9 5820	-4 1610 Cote d'Ivoir	2104 0-1 b 2137 H-Ph	tonalite-tror laneous Zircon
Hirdes et al	0.5020	-4.2830 Cote d'Ivoir	2107 U-15 2100 LL-Ph	tonalite_trorMetamorph Titanite/Spl
Hirdes et al	9.5900	-4 2830 Cote d'Ivoir	2100 0-1 b 2152 11-Ph	tonalite-tror laneous Zircon
Hirdes et al	9.5500	-3 6690 Cote d'Ivoir	2152 U-1 D	tonalite-tror laneous Zircon/Titar
Hirdes et al	0.6230	3 7700 Cote d'Ivoir	2100 U-1 D	tonalite tror laneous Zircon/Titar
Hirdes et al	9.0230	3 9160 Cote d'Ivoir	2097 0-PD 2110 LL Pb	tonalite tror laneous Zircon/Titar
Kone et al	9.7720 8.0000	7 4000 Cote d'Ivoir	2000 Ph Sr	aranite/leur laneous Whole Poc
Kouamelan	6.9000 6.0100	7.4620 Cote d'Ivoir	2000 ND-31	granulite/m laneous Zircon
Kouamelan	7.0510	7 5150 Cote d'Ivoir	0 Dh Dh	granulite/m Metamorph Zircon
Kouamelan	7.0510	7 5150 Cote d'Ivoir	2053 Sm Nd	granulite/mMetamorphWhole Poc
Kouamelan	7 2460		2033 Sm-Nu 2031 Sm Nd	granulite/m Metamorph Whole Doc
Kouamelan	7 2510		2001 011-NU 2064 Dh Dh	granulite/mileanous Titanita/Sal
Kouamelan	7 2540		2707 Ph Ph	aranulite/m laneous 7ircon
Kouamelan	7 2860	-7 4320 Cote d'Ivoir		granulite/m Other Zircon
Rouanician	1.2000			

Kouamelan	7.2860	-7.4320	Cote d'Ivoir	2203	Sm-Nd	granulite/m	Metamorph	Whole Roc
Kouamelan	7.3140	-7.4120	Cote d'Ivoir	0	Pb-Pb	granulite/m	Other	Zircon
Kouamelan	7.3140	-7.4120	Cote d'Ivoir	2246	Sm-Nd	granulite/m	Metamorph	Whole Roc
Kouamelan	7.3140	-7.4120	Cote d'Ivoir	2830	Pb-Pb	granulite/m	Metamorph	Monazite
Kouamelan	7.4450	-7.6080	Cote d'Ivoir	0	Pb-Pb	granulite/m	Metamorph	Zircon
Kouamelan	7.4450	-7.6080	Cote d'Ivoir	0	Pb-Pb	granulite/m	Metamorph	Zircon
Kouamelan	7.4450	-7.6080	Cote d'Ivoir	2741	Sm-Nd	granulite/m	Metamorph	Whole Roc
Kouamelan	7.4640	-7.3980	Cote d'Ivoir	0	Pb-Pb	granulite/m	Igneous	Zircon
Kouamelan	7.7840	-7.5680	Cote d'Ivoir	0	Pb-Pb	granulite/m	Metamorph	Zircon
Kouamelan	6.6370	-8.3560	Cote d'Ivoir	2098	Pb-Pb	tonalite-tror	Igneous	Zircon
Kouamelan	6.6530	-8.3720	Cote d'Ivoir	2104	Pb-Pb	tonalite-tror	Igneous	Zircon
L�dtke et :	8.7271	-4.0851	Cote d'Ivoir	2090	Pb-Pb (dis	sGranodiorit ،	Metamorph	Titanite
L�dtke et :	8.6485	-4.1572	Cote d'Ivoir	2158	Pb-Pb (dis	s rhyolite	Igneous	Zircon
L�dtke et al.,	1999		Cote d'Ivoir	2160	Pb-Pb (dis	svolcanoclas	Igneous	Zircon
L�dtke et :	8.5896	-4.0419	Cote d'Ivoir	2170	Pb-Pb (dis	۶Felsic tuf	Igneous	Zircon
Toure et al.	7.8000	-3.1000	Cote d'Ivoir	2166	Rb-Sr	tonalite-tror	Igneous	Whole Roc
Vidal et al.,	8.1860	-5.5650	Cote d'Ivoir	2094	Pb-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	8.3800	-5.1590	Cote d'Ivoir	2119	Pb-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	8.4250	-5.0540	Cote d'Ivoir	2108	Pb-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	8.2820	-4.1960	Cote d'Ivoir	2109	U-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	8.8450	-4.1440	Cote d'Ivoir	2113	U-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	8.8840	-4.0650	Cote d'Ivoir	2098	U-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	9.7100	-4.1570	Cote d'Ivoir	2104	U-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	9.5790	-3.8620	Cote d'Ivoir	2097	Pb-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	9.5590	-3.7050	Cote d'Ivoir	2152	U-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	9.4870	-4.0750	Cote d'Ivoir	2103	U-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	8.1200	-2.8180	Cote d'Ivoir	2166	Rb-Sr	granite/leuc	Igneous	Whole Roc
Vidal et al.,	6.3590	-4.1710	Cote d'Ivoir	2095	Pb-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	5.5800	-3.1150	Cote d'Ivoir	2164	Pb-Pb	granite/leuc	Igneous	Zircon
Vidal et al.,	5.8150	-6.3050	Cote d'Ivoir	2104	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	5.8150	-6.3050	Cote d'Ivoir	2135	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	7.5570	-6.6390	Cote d'Ivoir	2143	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.0290	-5.4210	Cote d'Ivoir	2094	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.1080	-5.3290	Cote d'Ivoir	2097	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	9.3290	-5.6630	Cote d'Ivoir	2100	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.2100	-4.5110	Cote d'Ivoir	2103	U-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.2360	-4.4720	Cote d'Ivoir	2102	U-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.3870	-4.4580	Cote d'Ivoir	2154	U-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.3540	-4.3470	Cote d'Ivoir	2144	U-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	9.4800	-4.3340	Cote d'Ivoir	2152	U-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.9760	-4.1110	Cote d'Ivoir	2106	U-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	9.6310	-4.2420	Cote d'Ivoir	2137	U-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.8840	-3.7210	Cote d'Ivoir	2151	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.8120	-3.7860	Cote d'Ivoir	2149	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	8.3280	-3.4330	Cote d'Ivoir	2154	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	6.7560	-4.7980	Cote d'Ivoir	2079	Pb-Pb	tonalite-tror	Igneous	Zircon
Vidal et al.,	6.6600	-4.7820	Cote d'Ivoir	2186	Rb-Sr	tonalite-tror	Igneous	Whole Roc
Vidal et al.,	6.6250	-4.8260	Cote d'Ivoir	2087	Pb-Pb	tonalite-tror	Igneous	Zircon
Adadey et a	5.5870	-2.4470	Ghana	2142	U-Pb	andesite/di	orite	Zircon
Adadey et a	5.5870	-2.4470	Ghana	2200	U-Pb	andesite/di	orite	Zircon
Adadey et a	5.6720	-2.2200	Ghana	2090	U-Pb	granite/leuc	cogranite/m	Zircon
Adadey et a	5.6520	-2.5010	Ghana	2108	U-Pb	granite/leuc	cogranite/m	Zircon

Adadey et a	5.9820	-2.1790	Ghana	2112	U-Pb	gran	ite/leud	cogranite/m	Zircon
Adadey et a	5.9800	-2.4450	Ghana	2136	U-Pb	tona	lite-troi	ndhjemite-g	Zircon
Agyei & Ma	5.9000	0.0000	Ghana	587	K-Ar	gran	ulite/m	Igneous	Amphibole/
Agyei & Ma	5.9000	0.0300	Ghana	607	K-Ar	gran	ulite/m	Igneous	Amphibole/
Agyei et al.	5.1200	-1.4200	Ghana	1680	Rb-Sr	gran	ite/leud	Igneous	Whole Roc
Agyei et al.	5.6500	-0.0200	Ghana	644	K-Ar	gran	ite/leud	Metamorph	Other
Agyei et al.	5.8300	-0.3000	Ghana	1944	K-Ar	gran	ite/leud	Igneous	Mica/Phlog
Aqvei et al.	5.1700	-1.3000	Ghana	1889	K-Ar	gran	ulite/m	Igneous	Mica/Phlog
Aqvei et al.	5.2000	-1.3400	Ghana	1863	K-Ar	gran	ulite/m	Igneous	Mica/Phlog
Aqvei et al.	5.2000	-1.3400	Ghana	1876	K-Ar	gran	ulite/m	Igneous	Mica/Phlog
Aqvei et al.	5.2000	-1.3400	Ghana	1879	K-Ar	aran	ulite/m	laneous	Mica/Phlog
Aqvei et al.	5.2000	-1.3400	Ghana	1880	K-Ar	gran	ulite/m	laneous	Mica/Phlog
Aqvei et al.	5.2000	-1.3400	Ghana	1942	K-Ar	aran	ulite/m	laneous	Mica/Phlog
Aqvei et al.	5.2000	-1.3400	Ghana	1974	Rb-Sr	aran	ulite/m	laneous	Whole Roc
Aqvei et al.	5.6300	-0.0500	Ghana	2841	Rb-Sr	aran	ulite/m	Other	Whole Roc
Aqvei et al	5 8500	-0 4000	Ghana	1787	K-Ar	gran	ulite/m	laneous	Mica/Phlog
Aqvei et al	6 2700	0.5200	Ghana	542	K-Ar	oran	ulite/m	Metamorph	Mica/Phlog
Aqvei et al	6 2800	0.9000	Ghana	508	Rb-Sr	oran	ulite/m	Metamorph	Whole Rock
Aqvei et al	6 5800	0.3800	Ghana	2034	K_Ar	oran	ulite/m	laneous	Mica/Phlog
Agyci et al	6 5800	0.3800	Ghana	2004	Rh-Sr	aran	ulite/m	Igneous	Whole Roc
Agyci et al	6 0000	-0.3000	Ghana	2051	Rb-Sr	gran	unte/m	Igneous	Whole Roc
Agyei et al.	6 2300	0.5200	Ghana	586	Rb_Sr			Metamorph	Whole Roc
Agyer et al.	6 6850	2 7600	Ghana	2135		aran	ito	laneous	Zircon
Amponsah,	6 7060	2 7670	Chana	2133		gran	ito	Igneous	Zircon
Amponsan,	6 4020	-2.7070	Chana	2130		gran	ulito/m	Igneous	Amphiholo/
Attob of al.,	6 7470	0.4930	Chana	500	AI-AI Ar Ar	gran	ulite/m	Other	Mice/Dblog
Attob of al.,	0.7470	2 1600	Chana	2150		gran	ito/lour		Ziroon
Attob et al.,	4.0300	-2.1000	Ghana	2109		gran	ite/leut	Igneous	Zircon
Allon et al.,	0.1780	0.1470	Ghana	594		gran	ile/ieuc	Igneous	
Block et al.	8.9289	-2.4320	Gnana	2138		para	gneiss	Metamorph	Monazite
Block et al.	9.3733	23180	Gnana	2127		para	gneiss	Metamorph	Monazite
Block et al.	8.9090	-2.0391	Gnana	2130	U-PD	para	gneiss	Metamorph	
Block et al.	10.8538	-0.1703	Ghana	2269	U-Pb				Zircon
Block et al.	9.9744	-2.3092	Ghana	2240	U-Pb				Zircon
Block et al.	10.8783	-0.5922 (	Ghana	2233	U-Pb				Zircon
Block et al.	10.0955	-2.0369	Ghana	2222	U-Pb				Zircon
Block et al.	10.8017	-0.7087	Ghana	2195	U-Pb	-			Zircon
Block et al.	10.4013	-1.3319	Ghana	2211	U-Pb	Grar	nite	Crystallizat	Zircon
Block et al.	9.9744	-2.3092	Ghana	2190	U-Pb	Grar	nodiorit	Crystallizat	Zircon
Block et al.	9.5075	-2.4655	Ghana	2181	U-Pb	Grar	nodiorit	Crystallizat	Zircon
Block et al.	10.8538	-0.1703	Ghana	2153	U-Pb	Grar	nodiorit	Crystallizat	Zircon
Block et al.	10.8302	-1.0719 (	Ghana	2148	U-Pb	Grar	nodiorit	Crystallizat	Zircon
Block et al.	10.8048	-0.8846	Ghana	2143	U-Pb	Tron	dhjemi	Crystallizat	Zircon
Block et al.	8.5818	-2.2238	Ghana	2143	U-Pb	Tron	dhjemi	Crystallizat	Zircon
Block et al.	10.0939	-2.0927	Ghana	2140	U-Pb	Grar	nodiorit	Crystallizat	Zircon
Block et al.	10.0873	-2.0363	Ghana	2138	U-Pb	Grar	nite	Crystallizat	Zircon
Block et al.	10.8226	-0.9413	Ghana	2135	U-Pb	Grar	nite	Crystallizat	Zircon
Block et al.	9.9692	-2.1148	Ghana	2133	U-Pb	Grar	nite	Crystallizat	Zircon
Block et al.	9.1692	-2.2817	Ghana	2197	U-Pb	Rhy	olite	Crystallizat	Zircon
Block et al.	10.0961	-2.0409	Ghana	2168	U-Pb	Epic	lastite	Crystallizat	Zircon
Block et al.	10.1143	-2.0333	Ghana	2166	U-Pb	Volc	anosed	Crystallizat	Zircon
Block et al.	10.8017	-0.7087	Ghana	2155	U-Pb	And	esite	Crystallizat	Zircon
Block et al.	10.0955	-2.0369	Ghana	2155	U-Pb	Tuff		Crystallizat	Zircon

Block et al.	10.8783	-0.5922 Ghana	2153 U-Pb	Andesite Crystallizat Zircon
Block et al.	10.7230	-0.6882 Ghana	2149 U-Pb	Dacite Crystallizat Zircon
Block et al.	10.8878	-2.6951 Ghana	2134 U-Pb	Dacite Crystallizat Zircon
Block et al.	9.8231	-2.6960 Ghana	2136 U-Pb	paragneiss Metamorph Monazite
Block et al.	9.8346	-2.6865 Ghana	2134 U-Pb	paragneiss Metamorph Monazite
Block et al.	9.8135	-2.6371 Ghana	2130 U-Pb	paragneiss Metamorph Monazite
Chalokwu e	5.3160	-0.6830 Ghana	1390 K-Ar	granite/leucMetamorph Whole Roc
Chalokwu e	5.3160	-0.6830 Ghana	1907 K-Ar	granite/leuc Igneous Mica/Phlog
Chalokwu e	5.3160	-0.6830 Ghana	1909 K-Ar	granite/leucigneous Mica/Phlog
Chalokwu e	5.3160	-0.6830 Ghana	1965 K-Ar	granite/leucigneous Mica/Phlog
Chalokwu e	5.3160	-0.6830 Ghana	2019 K-Ar	granite/leucigneous Mica/Phlog
Chalokwu e	5.3140	-0.7210 Ghana	2019 K-Ar	granite/leucigneous Mica/Phlog
Davis et al.	5.1460	-1.3470 Ghana	2090 U-Pb	granite/leucigneous Monzonite
de Kock et	8.8470	-2.0910 Ghana	2126 U-Pb	granite/leucogranite/mcZircon
de Kock et	8.8470	-2.0910 Ghana	2130 U-Pb	granite/leucogranite/mcZircon
de Kock et	8.5900	-2.1040 Ghana	2137 U-Pb	granite/leucogranite/mcZircon
de Kock et	8.5900	-2.1040 Ghana	2151 U-Pb	granite/leucogranite/mcZircon
de Kock et	8.6740	-2.0490 Ghana	2174 U-Pb	granite/leucogranite/mcZircon
de Kock et	8 6420	-2 1950 Ghana	2187 U-Pb	granite/leucogranite/mcZircon
de Kock et	8 9840	-2 4970 Ghana	2193 U-Pb	granite/leucogranite/mcZircon
de Kock et	8 8470	-2 0910 Ghana	2200 U-Pb	granite/leucogranite/mcZircon
de Kock et	8 5650	-2 0580 Ghana	2227 U-Ph	tonalite-trondhiemite-g
de Kock et	8 5650	-2 0580 Ghana	2105 U-Pb	tonalite-trondhiemite-g Zircon
de Kock et	8 5650	-2 0580 Ghana	2100 0 P 5	tonalite-trondhiemite-g Zircon
de Kock et	8 5650	-2.0580 Ghana	2121 0 1 b 2140 U-Ph	tonalite-trondhjemite-g Zircon
de Kock et	8 8290	-2 2990 Ghana	2125 U-Ph	volcanics Zircon
de Kock et	8 7450	-2 3450 Ghana	2120 0 1 b 2131 U-Ph	volcanics Zircon
de Kock et	8 8290	-2 2990 Ghana	2156 U-Ph	volcanics Zircon
de Kock et	8 7450	-2 3450 Ghana	2165 U-Ph	volcanics Zircon
de Kock et	8 5900	-2 1040 Ghana	2100 U Pb	granite/leucogranite/mcZircon
Duodu et al	10 5980	-2 8880 Ghana	2122 0 1 b 2139 U-Ph	Zircon
Duodu et al	5 3950	-0 5810 Ghana	2165 U-Ph	Zircon
Duodu et al	5 1130	-1 5130 Ghana	2100 0 F b 2187 U-Ph	Zircon
Duodu et al	5 1190	-1 6300 Ghana	2187 U-Ph	Zircon
Duodu et al	6 4790	-1 3990 Ghana	1 U-Ph	Zircon
Duodu et al	5 4850	-0.9700 Ghana	2080 U-Ph	Zircon
Duodu et al	5 1540	-1 1610 Ghana	2000 U Pb 2072 U-Ph	Zircon
Duodu et al	9 2320	-2 2510 Ghana	2196 U-Ph	Zircon
Duodu et al	5 5000	-2 9890 Ghana	2180 U-Ph	Zircon
Duodu et al	5 4320	-2 7750 Ghana	2162 0 1 b 2159 U-Ph	Zircon
Duodu et al	5 3350	-0.6240 Ghana	2100 0 F b	Zircon
Duodu et al	5 7550	-0.0240 Chana	2110 U-I D 2102 U-Ph	Zircon
Duodu et al	7 0680	-2 6550 Ghana	2088 U-Ph	Zircon
Duodu et al	7.6120	-2.0000 Ghana	2000 U-I D 2002 U-Ph	Zircon
Duodu et al	5 5760	-0.4250 Ghana	2002 0-1 b 2106 U-Ph	Zircon
Duodu et al	10 8640	-0.4200 Ohana	2100 0-1 b 2112 11-Ph	Zircon
Duodu et al	10.00-0	-2 8450 Ghana	2104 H_Ph	Zircon
Duodu et al	6 4680	-1 2040 Ghana	2097 11_Ph	Zircon
	10 6070	-0 8100 Ghana	2007 U-1 D 2005 11_Ph	Zircon
Duodu et al	10.8470	-1 1420 Ghana	2156 LLPh	Zircon
Duodu et al	8 2470	-2 3710 Ghana	2100 0-1 0 2145 11-Ph	Zircon
Duodu et al	10 9320	-1 5490 Ghana	2162 11-Ph	Zircon
	10.0020			

Duodu et a	10.7110	-0.8450	Ghana	2151	U-Pb		Zircon
Duodu et al	4.7920	-1.9480	Ghana	2172	U-Pb		Zircon
Duodu et al	10.9410	-0.4800	Ghana	2168	U-Pb		Zircon
Duodu et al	9.0840	-2.4890	Ghana	2195	U-Pb		Zircon
Duodu et a	10.9160	-0.1940	Ghana	2128	U-Pb		Zircon
Duodu et al	10.7730	-2.7310	Ghana	2124	U-Pb		Zircon
Duodu et al	8.4870	-2.2000	Ghana	2125	U-Pb		Zircon
Duodu et al	9.8370	-2.3600	Ghana	2120	U-Pb		Zircon
Duodu et al	10.8260	-0.9970	Ghana	2134	U-Pb		Zircon
Duodu et al	10.9990	-0.3700	Ghana	2134	U-Pb		Zircon
Duodu et a	9.9690	-2.0340	Ghana	2118	U-Pb		Zircon
Duodu et a	5.6380	-0.6210	Ghana	2132	U-Pb		Zircon
Fevbesse e	5.4030	-3.1280	Ghana	2161	Pb-Pb	andesite/dicIgneous	Zircon
Fevbesse e	5.5830	-3.4260	Ghana	2161	Pb-Pb	granite/leuc Igneous	Zircon
Fevbesse e	7.0930	-2.4100	Ghana	2159	Pb-Pb	granite/leuc Igneous	Zircon
Fevbesse e	5.5170	-0.4450	Ghana	2158	Pb-Pb	granulite/m Igneous	Zircon
Fevbesse e	5.9800	-0.5230	Ghana	2200	Pb-Pb	tonalite-tror laneous	Zircon
Hirdes and	6.9050	-2.0250	Ghana	2189	U-Pb	rhvolite/fels laneous	Zircon
Hirdes and	6.9080	-2.0310	Ghana	2179	Other	granite/leucogranite/m	Zircon
Hirdes et al	7.0950	-2.5360	Ghana	2087	U-Pb	granite/leucogranite/m	Zircon
Hirdes et al	6 4870	-2 2160	Ghana	2116	U-Ph	granite/leucogranite/m	Zircon
Hirdes et al	4 8340	-1 9090	Ghana	2171	U-Ph	granite/leucogranite/m	Zircon
Hirdes et al	6 1300	-2 5520	Ghana	2178	U-Ph	granite/leucogranite/m	Zircon
Oberth <b>@</b> r €	6 2850	-1 6610	Ghana	2144	U-Ph	granite/leuclaneous	Zircon
Oberth <b>@</b> r €	5 9160	-1.9020	Ghana	2086	U-Ph	granite/leuc Igneous	rutile-galen
Oberth <b>@</b> r €	5.9160	-1.9020	Ghana	2105	U-Pb	granite/leuclaneous	Monazite
Oberth <b>@</b> r €	6.2630	-1.6070	Ghana	2098	U-Pb	granite/leucMetamorph	Rutile-galer
Oberth <b>@</b> r €	6 2630	-1 6070	Ghana	2104	U-Ph	granite/leuclaneous	Monazite
Oberth <b>@</b> r €	6 2630	-1 6070	Ghana	2105	U-Ph	granite/leuc Igneous	Titanite/Snl
Oberth <b>@</b> r €	6 2630	-1 6070	Ghana	2106	U-Ph	granite/leuclaneous	Zircon
Oberth <b>@</b> r €	6 2630	-1 6070	Ghana	2106	U-Ph	granite/leuclaneous	Monazite
Oberth <b>@</b> r €	6 4770	-1 1330	Ghana	2097	U-Ph	granite/leuclaneous	Titanite/Snl
Oberth <b>ŵ</b> r e	4 9560	-1 6630	Ghana	2007	U-Ph	tonalite-trorMetamorph	Titanite/Spl
Oberth <b>@</b> r €	4.0000	-1 6630	Ghana	2002	U-Ph	tonalite-tror laneous	Zircon
Parra-Avila	4.0000 5 4776	-1 7147	Ghana	2104	U-Ph	GranodioritEmplacem	Zircon
Parra-Avila	5 1970	-1 8989	Ghana	2157	U-Ph	GranodioritEmplacem	Zircon
Sieafried et	9 1840	-2 1190	Ghana	2118	Other	granite/leucogranite/m	Zircon
Sieafried et	9 4330	-2 4350	Ghana	2120	Other	granite/leucogranite/m	Zircon
Sieafried et	9.4000 9.4570	-2 2460	Ghana	2120	Other	granite/leucogranite/m	Zircon
Sieafried et	9 4330	-2 4350	Ghana	2128	Other	granite/leucogranite/m	Zircon
Signified et	9.4330	-2.4350	Ghana	2120	Other	granite/leucogranite/m	Zircon
Signified et	0.4000 0.4330	-2.4350	Ghana	2150	Other	granite/leucogranite/m	Zircon
Signified et	0.4000 0.4330	-2.4350	Ghana	2186	Other	granite/leucogranite/m	Zircon
Signified et	9.4570 9.4570	-2 2460	Ghana	2180	Other	granite/leucogranite/m	Zircon
Signified et	9.4370	-2.2400	Ghana	2100	Other	granite/leucogranite/m	Zircon
Siegfried et	9. <del>4</del> 550 9.6570	-2.4000	Ghana	2190	Other	granite/leucogranite/m	Zircon
Signified et	9.6570 9.6570	-2.2000	Ghana	2758	Other	granite/leucogranite/m	Zircon
Signified et	9.6570	-2.2000	Ghana	2386	Other	granite/leucogranite/m	Zircon
Sieafried et	9 0370	-2.2330	Ghana	2000	Other	tonalite_trondhiemite_a	Zircon
Taylor et al	1 2000	-2.4110	Ghana	2102	Ph_Ph	aranite/leur laneoue	Whole Roc
Taylor et al	5 1500	_1 3000	Ghana	2702	Rh_Sr	granite/leuclaneous	Whole Roc
Taylor et al	5 4500	_0 7000	Ghana	2024	Rh_Sr	granite/leur laneous	Whole Roc
agior or ar	0.4000	0.1000	Chana	2027		granitorioucigneous	

Taylor et al	6.7000	-1.8000 Gl	hana 212	7 Rb-Sr	granite/leuc	Igneous	Whole	Roc
Taylor et al	10.8000	-2.3500 GI	hana 208	6 Rb-Sr	granite/leuc	Igneous	Whole	Roc
Thomas et	9.6570	-2.2930 GI	hana 209	8 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6570	-2.2930 GI	hana 210	4 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6570	-2.2930 GI	hana 211	8 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6570	-2.2930 GI	hana 212	0 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6190	-2.0710 GI	hana 212	1 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6570	-2.2930 Gl	hana 213	9 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.9740	-2.3030 Gl	hana 215	0 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6570	-2.2930 Gl	hana 215	7 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6570	-2.2930 Gl	hana 214	8 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6570	-2.2930 Gl	hana 217	7 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6260	-2.3800 Gl	hana 218	7 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6190	-2.0710 Gł	hana 219	7 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6260	-2.3800 Gl	hana 249	9 Other	granite/leuc	ogranite/m	Zircon	
Thomas et	9.6260	-2.3800 GI	hana 287	6 Other	granite/leuc	ogranite/m	Zircon	
Egal et al	9.5400	-8.3200 Gi	uinea 207	4 Pb-Pb	andesite/di	Igneous	Zircon	
Egal et al	9.5200	-8.7770 Gi	uinea 207	4 Pb-Pb	granite/leuc	Igneous	Zircon	
Egal et al	10.9800	-8.3660 Gi	uinea 207	8 Pb-Pb	granite/leuc	Igneous	Zircon	
Egal et al	8.8000	-8.2940 Gi	uinea 208	7 Pb-Pb	tonalite-tror	laneous	Zircon	
Egal et al	9.5600	-8.4570 Gi	uinea 208	1 Pb-Pb	tonalite-tror	laneous	Zircon	
Egal et al	9.9100	-8.7200 Gi	uinea 207	2 Pb-Pb	tonalite-tror	laneous	Zircon	
Eglinger et a	I., 2017	Gi	uinea 208	7 U-Pb	Bt monzoar	Emplaceme	Zircon	
Eglinger et a	I., 2017	Gi	uinea 208	2 U-Pb	Bt monzogr	Emplaceme	Zircon	
Eglinger et a	L. 2017	Gi	uinea 208	2 U-Pb	Bt monzogr	Emplaceme	Zircon	
Eglinger et a	I., 2017	Gi	uinea 209	8 U-Pb	Bt monzogr	Emplaceme	Zircon	
Eglinger et a	I., 2017	Gi	uinea 209	6 U-Pb	Qtz monzo	Emplaceme	Zircon	
Eglinger et a	I., 2017	Gi	uinea 209	3 U-Pb	Qtz monzo	Emplaceme	Zircon	
Lahond	11.3240	-8.4250 Gi	uinea 212	2 Pb-Pb	volcanics	laneous	Zircon	
Lahondere	11.3240	-8.4250 Gi	uinea 213	2 Pb-Pb	volcanics	laneous	Zircon	
Lahond	11.3240	-8.4250 Gi	uinea 213	5 Pb-Pb	volcanics	laneous	Zircon	
Lahond	11.3240	-8.4250 Gi	uinea 215	3 Pb-Pb	volcanics	laneous	Zircon	
Lahond	11.3240	-8.4250 Gi	uinea 217	1 Pb-Pb	volcanics	laneous	Zircon	
Lahondere	11.3240	-8.4250 Gi	uinea 217	8 Pb-Pb	volcanics	laneous	Zircon	
Lahondere	11.3240	-8.4250 Gi	uinea 218	6 Pb-Pb	volcanics	laneous	Zircon	
Lahondere	11.3240	-8.4250 Gi	uinea 221	1 Pb-Pb	volcanics	laneous	Zircon	
Lahond	11.3350	-8.4120 Gi	uinea 221	2 Pb-Pb	volcanics	laneous	Zircon	
Thieblemor	7.9180	-8.1450 Gi	uinea 279	7 U-Pb	granite/leuc	laneous	Zircon	
Thieblemor	7.8760	-8.3660 Gi	uinea 354	2 U-Pb	granulite/m	laneous	Zircon	
Thieblemor	7.6360	-8.7600 Gi	uinea 202	3 U-Pb	granite/leuc	laneous	Zircon	
Thieblemor	7.7550	-8.7060 Gi	uinea 205	5 U-Pb	granite/leuc	laneous	Zircon	
Thieblemor	7,7550	-8.7060 Gi	uinea 208	2 U-Pb	granite/leuc	laneous	Zircon	
Thieblemor	7.9180	-8.1450 Gi	uinea 279	7 U-Pb	granite/leuc	laneous	Zircon	
Thieblemor	8.3910	-9.3530 Gi	uinea 280	3 U-Pb	granite/leuc	laneous	Zircon	
Thieblemor	8.5320	-9.9270 Gi	uinea 287	0 U-Pb	granite/leuc	laneous	Zircon	
Thieblemor	8.9010	-9.2580 Gi	uinea 290	7 U-Pb	granite/leuc	laneous	Zircon	
Thieblemor	7.7290	-8.8290 Gi	uinea 203	7 U-Pb	granulite/m	laneous	Zircon	
Thieblemor	7.7300	-8.8290 Gi	uinea 204	1 U-Pb	granulite/m	laneous	Zircon	
Thieblemor	7,8760	-8.3660 Gi	uinea 354	2 U-Pb	granulite/m	laneous	Zircon	
Thieblemor	8.0360	-9.0300 Gi	uinea 305	0 U-Pb	granulite/m	laneous	Zircon	
Thieblemor	8.6080	-9.5170 Gi	uinea 286	4 U-Pb	granulite/m	laneous	Zircon	
Thieblemor	8.8920	-9.0620 Gi	uinea 286	8 U-Pb	volcanics	Igneous	Zircon	
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Anonym - A	11.0980	-7.5940	Mali	1337	Rb-Sr	granite/leuc Other	Other
Anonym - A	11.8570	-7.6040	Mali	1312	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.8570	-7.6040	Mali	2299	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.3480	-7.7250	Mali	2487	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.8540	-7.8950	Mali	2246	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.6190	-8.1880	Mali	1911	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.0980	-7.5940	Mali	1337	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.8570	-7.6040	Mali	1312	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.8570	-7.6040	Mali	2299	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.3480	-7.7250	Mali	2487	Rb-Sr	granite/leucogranite/m	Other
Anonym - A	11.6190	-8.1880	Mali	1911	Rb-Sr	granite/leucogranite/m	Other
Bertrand et	19.5000	2.5000	Mali	610	Other	tonalite-tror loneous	
Bertrand et	19.8000	1.7000	Mali	580	Other	tonalite-tror loneous	
Caby et al.	19.4600	2.2700	Mali	600	U-Pb	andesite/dicloneous	Zircon
Caby et al.	19 7000	2 4 1 0 0	Mali	581	U-Pb	granite/leucloneous	Zircon
Caby et al.	20 2300	0 7700	Mali	726	U-Ph	andesite/dicloneous	Zircon
Caby et al.,	20.3700	0.7300	Mali	710	U-Ph	aranulite/m laneous	Zircon
Caby et al.,	19 6900	0.7000	Mali	635	U_Ph	tonalite-tror laneous	Zircon
Guerrot C	1/ 8180	_11 6100	Mali	2137	U_Ph	aranite/leur Other	Zircon
Guerrot C.,	11 1710	7 1150	Mali	2107		granite/leucMetamornh	Zircon
Guerrot C.,	12 2020	11 7960	Mali	2005		granite/leucivietamorph	Zircon
Guerrot C.,	10.5200	6 7500	Mali	2090		granite/leucivietarito/pi	Zircon
Guerrot C.,	10.5500	-0.7590	Mali	2102		granite/leucogranite/m	Zircon
Guerrot C.,	10.4000	-0.9310	Mali	2007		granite/leucogranite/m	Ziroon
Guerrot C.,	10.3220	7 1 1 2 0	Mali	2103		granite/leucogranite/m	Ziroon
Guerrot C.,	10.2730	-1.1130	Mali	2093		granite/leucogranite/m	Monorito
Guerrot C.,	13.9240	-11.///0	Mali	2004		granite/leucivietamorpr	
Guerrot C.,	14.8180	-11.0100	Mali	2137		granite/leucogranite/m	
Guerrot C.,	11.1710	-7.1150	Mali	2140		granite/leucogranite/m	Zircon
Guerrot C.,	13.8030	-11.7860	Maii	2095	U-Pb	granite/ieucogranite/m	Zircon
Guerrot C.,	10.5380	-6.7590	Maii	2102	U-Pb	granite/ieucogranite/m	Zircon
Guerrot C.,	10.4550	-6.9310	Mali	2087	U-Pb	granite/leucogranite/m	Zircon
Guerrot C.,	10.3220	-7.1250	Mali	2103	U-Pb	granite/leucogranite/m	Zircon
Guerrot C.,	10.2730	-7.1130	Mali	2093	U-Pb	granite/leucogranite/m	Zircon
Guerrot C.,	13.9240	-11.7770	Mali	2064	U-Pb	granite/leucogranite/m	Monazite
Guerrot C.,	10.4670	-6.7980	Mali	2164	U-Pb	granulite/migmatite/gn	Zircon
Guerrot C.,	10.4670	-6.7980	Mali	2164	U-Pb	granulite/migmatite/gn	Zircon
Guerrot C.,	14.6260	-11.3300	Mali	2091	U-Pb	tonalite-trondhjemite-g	Zircon
Guerrot C.,	14.6260	-11.3300	Mali	2091	U-Pb	tonalite-trondhjemite-g	Zircon
Lambert-Smi	th et al., 20	016	Mali	2118	U-Pb	plutonic Emplaceme	Zircon
Lambert-Smi	th et al., 20	016	Mali	2105	U-Pb	plutonic Emplaceme	Zircon
Lambert-Smi	th et al., 20	016	Mali	2113	U-Pb	plutonic Emplaceme	Zircon
Lambert-Smi	th et al., 20	016	Mali	2089	U-Pb	plutonic Emplaceme	Zircon
Lambert-Smi	th et al., 20	016	Mali	3000	U-Pb	plutonic Inherited	Zircon
Lambert-Smi	th et al., 20	016	Mali	3380	U-Pb	plutonic Inherited	Zircon
Li <b>�</b> geois e	11.7440	-6.5730	Mali	1992	Rb-Sr	andesite/diorite	Whole Roc
Li�geois e	11.3130	-6.7150	Mali	1975	Rb-Sr	granite/leucogranite/m	Whole Roc
Li <b>�</b> geois e	11.8420	-6.7970	Mali	2091	Rb-Sr	granite/leucogranite/m	Whole Roc
Li <b>�</b> geois e	11.3430	-6.5490	Mali	1974	Rb-Sr	granite/leucogranite/m	Whole Roc
Li <b>�</b> geois e	11.3130	-6.7150	Mali	2074	U-Pb	tonalite-trondhjemite-g	Zircon
Li <b>�</b> geois e	11.5550	-6.6820	Mali	2073	Rb-Sr	volcanics	Whole Roc
Li <b>�</b> geois e	11.5550	-6.6820	Mali	2098	U-Pb	volcanics	Zircon
Li <b>�</b> geois e	11.0700	-6.6500	Mali	1974	Rb-Sr	granite/leuc Other	Whole Roc
-							

Li <b>@</b> geois e	11.0700	-6.6500	Mali	2082 C	Other	granite/leuc	Igneous		
Li�geois e	11.3800	-6.7600	Mali	2091 F	Rb-Sr	granite/leuc	Igneous	Whole R	Soc
Li�geois e	11.4500	-6.9000	Mali	2091 F	Rb-Sr	granite/leuc	Igneous	Whole R	Soc
Li�geois e	11.1300	-6.7600	Mali	1975 F	Rb-Sr	tonalite-tror	Other	Whole R	Soc
Li <b>�</b> geois e	11.1300	-6.7600	Mali	2074 L	J-Pb	tonalite-tror	Igneous	Zircon	
Li�geois e	11.3800	-6.6500	Mali	2098 L	J-Pb	volcanics	Igneous	Zircon	
Li�geois e	11.7440	-6.5730	Mali	1992 F	Rb-Sr	andesite/die	Metamorph	Whole R	Soc
Li <b>�</b> geois e	11.3130	-6.7150	Mali	1975 F	Rb-Sr	granite/leuc	Metamorph	Whole R	Soc
Li�geois e	11.8420	-6.7970	Mali	2091 F	Rb-Sr	granite/leuc	Metamorph	Whole R	Soc
Li <b>�</b> geois e	11.3430	-6.5490	Mali	1974 F	Rb-Sr	granite/leuc	Metamorph	Whole R	Soc
Li�geois e	11.3130	-6.7150	Mali	2074 L	J-Pb	tonalite-tror	Metamorph	Zircon	
Li <b>�</b> geois e	11.5550	-6.6820	Mali	2073 F	Rb-Sr	volcanics	Metamorph	Whole R	Soc
Li�geois e	11.5550	-6.6820	Mali	2098 L	J-Pb	volcanics	Metamorph	Zircon	
Li�geois J	14.7680	-11.6290	Mali	1951 F	Rb-Sr	granite/leuc	cogranite/m	Whole R	Soc
Li�geois J	13.7050	-11.6930	Mali	1972 F	Rb-Sr	granite/leuc	cogranite/m	Whole R	Roc
Li�geois J	14.7680	-11.6290	Mali	1951 F	Rb-Sr	granite/leuc	cogranite/m	Whole R	Roc
Li�geois J	13.7050	-11.6930	Mali	1972 F	Rb-Sr	granite/leuc	cogranite/m	Whole R	Roc
Li�geois J	15.1590	-11.7580	Mali	2094 L	J-Pb	tonalite-tror	ndhjemite-g	Other	
Li <b>@</b> geois J	15.0160	-11.6570	Mali	1940 F	Rb-Sr	tonalite-tror	ndhjemite-g	Whole R	Roc
Li <b>@</b> geois J	13.8630	-11.7520	Mali	1928 F	Rb-Sr	tonalite-tror	ndhjemite-g	Whole R	Roc
Li <b>@</b> geois J	13.8630	-11.7520	Mali	2085 L	J-Pb	tonalite-tror	ndhjemite-g	Zircon	
Li <b>@</b> geois J	15.0160	-11.6570	Mali	1940 F	Rb-Sr	tonalite-tror	ndhjemite-g	Whole R	Roc
Li <b>@</b> geois J	13.8630	-11.7520	Mali	1928 F	Rb-Sr	tonalite-tror	ndhjemite-g	Whole R	Roc
Li <b>@</b> geois J	13.8630	-11.7520	Mali	2085 L	J-Pb	tonalite-tror	ndhjemite-g	Zircon	
Li <b>@</b> geois J	15.1590	-11.7580	Mali	2094 L	J-Pb	volcanics		Other	
Li <b>@</b> geois, 1	10.5090	-7.2540	Mali	2136 L	J-Pb	granite/leuc	cogranite/m	Zircon	
Li <b>@</b> geois, 1	10.5090	-7.2540	Mali	2119 L	J-Pb	granite/leuc	cogranite/m	Zircon	
Li <b>@</b> geois, 1	10.5090	-7.2540	Mali	2174 L	J-Pb	granite/leuc	cogranite/m	Zircon	
Li <b>@</b> geois, 1	10.4550	-6.9310	Mali	2150 L	J-Pb	granulite/m	igmatite/gne	Zircon	
Li <b>@</b> geois, 1	10.5090	-7.2540	Mali	2136 L	J-Pb	granite/leuc	cogranite/m	Zircon	
Li <b>@</b> geois, 1	10.5090	-7.2540	Mali	2119 L	J-Pb	granite/leuc	cogranite/m	Zircon	
Li <b>@</b> geois, 1	10.5090	-7.2540	Mali	2174 L	J-Pb	granite/leuc	cogranite/m	Zircon	
Li <b>@</b> geois, 1	10.4550	-6.9310	Mali	2150 L	J-Pb	granulite/m	igmatite/gne	Zircon	
Masurel et al	., 2017a		Mali	2108 L	J-Pb	porphyry	Emplaceme	Zircon	
Masurel et al	., 2017a		Mali	2200 L	J-Pb	porphyry	Inherited	Zircon	
Masurel et al	., 2017a		Mali	2114 L	J-Pb	diorite	Emplaceme	Zircon	
Masurel et al	., 2017a		Mali	2162 L	J-Pb	Diorite	Inherited	Zircon	
Masurel et	13.8462	11.7914	Mali	2147 L	J-Pb	Microdiorite	Emplaceme	Zircon	
Masurel et	13.8455	11.7904	Mali	2142 L	J-Pb	granodiorite	Emplaceme	Zircon	
Masurel et	13.8629	11.7056	Mali	2118 L	J-Pb	andesite	Emplaceme	Zircon	
Masurel et	13.8629	11.7056	Mali	2249 L	J-Pb	andesite	Inherited	Zircon	
Masurel et	14.0002	11.7352	Mali	2089 L	J-Pb	Diorite	Emplaceme	Zircon	
Masurel et	13.9740	11.7446	Mali	2083 L	J-Pb	granodiorite	Emplaceme	Zircon	
Masurel et	13.9740	11.7446	Mali	2145 L	J-Pb	granodiorite	Inherited	Zircon	
Masurel et	13.9516	11.7283	Mali	2091 L	J-Pb	monzonite	Emplaceme	Zircon	
Masurel et	13.9516	11.7283	Mali	2142 L	J-Pb	monzonite	Inherited	Zircon	
Masurel et	13.9516	11.7283	Mali	2090 L	J-Pb	granodiorite	Emplaceme	Zircon	
Masurel et	13.9516	11.7283	Mali	2188 L	J-Pb	granodiorite	Inherited	Zircon	
Masurel et	13.8775	11.7858	Mali	2081 L	J-Pb	monzonite	Emplaceme	Zircon	
Masurel et	13.8051	11.6636	Mali	2074 L	J-Pb	monzogran	Emplaceme	Zircon	
Masurel et	13.8051	11.6636	Mali	2132 L	J-Pb	monzonara	Inherited	Zircon	
Masurel et	13.9198	11.7651	Mali	2071 L	J-Pb	granite	Emplaceme	Zircon	
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Masurel et 2	13.9198	11.7651	Mali	2120 U-Pb	granite	Inherited	Zircon
Masurel et	13.8678	11.7504	Mali	2066 U-Pb	granite	Emplaceme	Zircon
Masurel et	13.8678	11.7504	Mali	2131 U-Pb	granite	Inherited	Zircon
Masurel et al.,	2017b		Mali	2083 U-Pb	quartz-felds	Emplaceme	Zircon
Masurel et al.,	2017b		Mali	2134 U-Pb	quartz-felds	Inherited	Zircon
Petersson (	5.9028	0.3417	Mali	2126	tonalite-tro	ndhjemite-g	ranodiorite
Petersson (	5.9858	0.6069	Mali	2174	granite		
Petersson (	5.4847	0.5700	Mali	2139	granite		
Petersson (	5.7056	0.5397	Mali	2229	granodiorit	е	

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Spot	204Pb/206 �%	2	207Pb/206I�%	2	208Pb/206l�%	:	206Pb/238 �%	
SAMPLE E	3 2 1 2 9 🚸 7 Ma							
BE2-1.1	0.000018	58	0.13236	0.43	0.12	0.75	0.691	1.7
BE2-2.1	0.000026	45	0.13294	0.4	0.231	0.52	0.798	1.1
BE2-4.1	0.000033	45	0.13268	0.45	0.117	0.79	0.702	1.1
BE2-5.1	0.000031	45	0.13335	0.44	0.127	0.74	0.666	1.5
BE2-6.1	0.000013	71	0.13313	0.45	0.167	1.06	0.723	1.1
BE2-9.1	0.000032	45	0.13323	0.44	0.117	0.78	0.746	1.1
BE2-10.1	0.000085	32	0.13327	0.51	0.154	0.79	0.666	1
BE2-11.1	0.000062	33	0.13324	0.46	0.153	0.72	0.705	1.3
BE2-13.1	0.00003	50	0.13317	0.48	0.135	0.8	0.718	0.4
BE2-15.1	0.000083	29	0.13078	0.47	0.153	0.72	0.668	1.2
BE2-16.1	0.000083	28	0.13266	0.44	0.133	0.74	0.669	1.2
BE2-17.1	0.000022	58	0.13283	0.48	0.152	0.74	0.694	0.9
BE2-18 1	0.000035	50	0 13312	0.52	0 138	0.84	0 705	1.6
Rejected	0.000000	00	0.10012	0.02	0.100	0.01	011 00	
BE2-3 1	0.000211	19	0 13334	0 48	0 133	0.8	0.621	13
BE2-7.1	0.000318	17	0 13228	0.49	0.167	0.73	0.587	0.7
BE2-8-1	0.000006	100	0.10220	0.40	0.168	1 69	0.606	17
BE2_0.1	0.0000000	20	0.10142	0.44	0.100	1 4 1	0.503	1.7
BE2-12.1	0.000171	20	0.12007	0.42	0.200	0.87	0.000	1.7
	2 2 1 4 0 <b>4</b> 4 Ma	22	0.12324	0.55	0.140	0.07	0.01	1.7
		22	0 1351	0 4 2	0 106	10	0 959	1
BE3A-A	0.000123	20	0.1333	0.42	0.190	0.45	1 070	12
	0.000041	20	0.1355	0.00	0.202	0.70	1.075	0.5
BE3A-6	0.000002	71	0.1333	0.52	0.104	2.83	0.027	1.2
	0.000058	28	0.1349	0.72	0.03	1 26	1 051	1.2
BE3V 8	0.0000000	20 58	0.1325	0.37	0.125	1.20	0.05	0.8
	0.000019	20	0.1325	0.44	0.13	0.90	1 0/1	0.0
DE3A-9	0.000108	20 50	0.1349	0.5	0.117	0.09	1.041	0.9
DE3A-10	0.000018	20	0.1330	0.57	0.105	0.55	0.074	12
	0.0000000	24	0.1337	0.0	0.134	0.02	1.022	0.7
DE3A-12	0.000063	24 50	0.1340	0.30	0.100	1 1 2	0.069	1.2
DE3A-13	0.000017	50 4E	0.1331	0.30	0.135	1.13	0.900	1.2
DE3A-14	0.000090	40	0.1335	0.77	0.141	1.20	0.077	1.6
DE3A-13	0.00009	ు∠ 20	0.1335	0.00	0.104	0.75	0.964	1.0
DE3A-10	0.000034	30 50	0.1330	0.39	0.122	1.20	0.999	1.9
DE3A-17	0.000026	50	0.1330	0.40	0.100	1.30	0.994	1.3
BE3A-18	0.000066	33	0.1341	0.47	0.133	0.79	0.979	1.4
	0.000547	50	0.4500	4.04	0.400	10	0.000	2.6
BE3A-1	0.000547	53	0.1522	4.34	0.130	12	0.968	2.0
BE3A-3	0.00004	50	0.1305	0.56	0.138	1.77	0.767	2.5
SAMPLE			0.4040	0.07	0.440	4.04	0.000	~ ~
BE5r-9	0.000105	22	0.1318	0.87	0.116	1.34	0.928	3.3
BE5r-5	0.000147	19	0.1334	0.4	0.185	0.56	0.918	1.9
BE5r-4	0.000058	35	0.1326	0.47	0.149	1.31	0.98	1.3
BE5r-16	0.000103	28	0.1334	0.49	0.148	0.78	0.995	0.8
BE2L-1	0.000167	21	0.1345	0.47	0.296	1.51	0.943	2.3
BF2L2	0.000093	26	0.1338	0.44	0.114	1.38	1	1.4
BE5r-2	0.000165	23	0.1355	0.83	0.134	0.94	0.915	1.5
BE5r-17	0.000116	24	0.1351	0.75	0.091	2.03	1.004	2.2
BE5r-11	0.000132	20	0.136	0.41	0.175	0.6	1.092	2.4
BE5r-18	0.000076	28	0.1353	0.43	0.1	0.82	0.996	1.3

BE5-6     0.000284     18     0.1372     0.52     0.213     1.26     0.834     1.4       BE5-7     0.000453     14     0.1383     0.47     0.146     0.75     0.63     1.4       BE5-7     0.000286     17     0.1323     1.2     0.278     1.28     0.844     2       BE5-10     0.000236     17     0.1323     1.2     0.278     1.33     0.828     1.4       BE5-13     0.000512     12     0.1388     0.47     0.28     0.51     0.701     1.1       BE5-14     0.000216     16     0.1224     0.79     0.297     1.97     0.748     3.3       SAMPLE B2123     96 Ma     BE6-1     0.000042     38     0.13221     0.42     0.133     1.23     0.72     1       BE6-31     0.000046     50     0.13201     0.6     0.14     0.96     0.733     0.88       BE6-41     0.00003     45     0.1321     0.6     0.14     0.96     0.725     1	Rejected								
BE5r-7     0.000453     14     0.1383     0.47     0.146     0.75     0.63     1.4       BE5r-8     0.00014     19     0.1315     0.4     0.172     0.59     0.853     1.4       BE5r-10     0.000266     16     0.1323     1.2     0.278     1.28     0.844     2       BE5r-12     0.000512     12     0.1388     0.47     0.28     0.51     0.701     1.1       BE5r-14     0.000376     23     0.1402     2.1     0.154     3.12     0.74     4.2       BE5r-15     0.0000215     16     0.1294     0.79     0.297     1.97     0.748     3.3       BE6-3.1     0     -     0.13243     0.42     0.133     0.77     0.735     1       BE6-3.1     0.00004     27     0.13243     0.42     0.133     0.74     0.742     1.2       BE6-3.1     0.00004     41     0.13201     0.6     0.14     0.96     0.743     0.8       BE6-3.1	BE5r-6	0.000284	18	0.1372	0.52	0.213	1.26	0.834	1.4
BE5-8     0.00014     19     0.1315     0.4     0.172     0.59     0.859     1.9       BE5-10     0.000236     17     0.1323     1.2     0.278     1.28     0.844     2       BE5-12     0.000261     12     0.1384     0.47     0.28     0.51     0.71     1.1       BE5-13     0.000215     16     0.1294     0.79     0.297     1.97     0.748     3.3       SAMPLE B2123     46     Ma     BE5-1     0.000042     38     0.13227     0.43     0.12     0.75     0.742     1.1       BE6-31     0.000042     38     0.13221     0.42     0.133     1.94     0.742     1.2       BE6-4.1     0.00004     41     0.13201     0.42     0.124     0.72     1.3     1.8       BE6-11     0.00004     41     0.1301     0.44     0.161     0.68     0.65     1.1       BE6-11     0.00017     19     0.13288     0.43     0.142     0.73     1.3	BE5r-7	0.000453	14	0.1383	0.47	0.146	0.75	0.63	1.4
BE5r-10     0.000236     17     0.1323     1.2     0.278     1.28     0.844     2       BE5r-12     0.000512     1.338     0.47     0.28     0.51     0.701     1.1       BE5r-13     0.000512     1.388     0.47     0.28     0.51     0.701     1.1       BE5r-15     0.000215     16     0.1294     0.79     0.297     1.97     0.748     3.3       SAMPLE     B2123 ♦ 6 Ma     0.13227     0.43     0.12     0.75     0.742     1.1       BE6-11     0.000042     38     0.13227     0.43     0.12     0.75     0.742     1.1       BE6-3.1     0.00004     7     0.13243     0.42     0.133     1.94     0.743     1.8       BE6-4.1     0.00004     50     0.13201     0.6     0.14     0.96     0.743     0.8       BE6-5.1     0.00004     10     0.13307     0.66     0.152     0.71     0.765     2       BE6-1.1     0.00003     45     <	BE5r-8	0.00014	19	0.1315	0.4	0.172	0.59	0.859	1.9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	BE5r-10	0.000236	17	0.1323	1.2	0.278	1.28	0.844	2
BE5r-13     0.000512     12     0.1388     0.47     0.28     0.51     0.701     1.1       BE5r-15     0.000215     16     0.1294     0.79     0.297     1.97     0.74     4.2       BE61-15     0.000215     16     0.1294     0.79     0.297     1.97     0.748     3.3       SAMPLE B 2123 $\phi$ 6 Ma     0.13221     0.43     0.12     0.75     0.742     1.1       BE6-3.1     0      0.13243     0.42     0.133     1.94     0.742     1.2       BE6-11     0.00004     50     0.13201     0.6     0.14     0.96     0.743     0.8       BE6-11     0.00004     50     0.13201     0.46     0.161     0.68     0.65     1.1       BE6-11     0.000173     19     0.13453     0.44     0.161     0.68     0.65     1.1       BE6-121     0.00053     21     0.13141     0.5     0.095     0.66     0.725     1       BE6-131     0.0	BE5r-12	0.000266	16	0.1342	1.1	0.273	1.33	0.828	1.4
BE5-14     0.000376     23     0.1402     2.1     0.154     3.12     0.74     4.2       BE5-15     0.000215     16     0.1294     0.79     0.297     1.97     0.748     3.3       SAMPLE B2123 $\phi$ 6M     BE6-1.1     0.000042     38     0.13227     0.43     0.12     0.75     0.742     1.1       BE6-3.1     0.000042     38     0.13243     0.42     0.133     1.07     0.738     1.2       BE6-5.1     0.000046     50     0.13201     0.49     0.133     1.94     0.742     1.2       BE6-5.1     0.00004     41     0.13201     0.6     0.14     0.96     0.733     1.3       BE6-11     0.000173     19     0.13453     0.44     0.161     0.68     0.65     1.1       BE6-11     0.00013     45     0.13228     0.43     0.124     0.73     0.687     1.1       BE6-14.1     0.00003     45     0.13227     0.45     0.131     0.75     0.743	BE5r-13	0.000512	12	0 1388	0 47	0.28	0.51	0 701	11
BE5-15     0.000215     16     0.124     0.79     0.297     1.97     0.743     3.3       SAMPLE B2123 ∳ 6 Ma     BE6-1.1     0.000042     38     0.13227     0.43     0.12     0.75     0.742     1.1       BE6-3.1     0     0.000042     71     0.13243     0.42     0.133     1.7     0.735     1       BE6-3.1     0.000046     50     0.13214     0.42     0.133     1.94     0.742     1.2       BE6-5.1     0.000046     50     0.13201     0.6     0.14     0.96     0.743     0.8       BE6-8.1     0.00004     41     0.13307     0.46     0.152     0.71     0.765     2       BE6-9.1     0.000173     19     0.13453     0.44     0.161     0.68     0.65     1.1       BE6-11     0.00003     45     0.13288     0.43     0.124     0.73     0.687     1.1       BE6-15     0.00013     45     0.13227     0.45     0.131     0.75     0.743	BE5r-14	0.000376	23	0 1402	21	0 154	3 12	0.74	4.2
Back to     <	BE5r-15	0.000215	16	0 1294	0.79	0.297	1 97	0 748	3.3
BEE-1.1     0.00042     38     0.13227     0.43     0.12     0.75     0.742     1.1       BE6-2.1     0.00014     71     0.13243     0.42     0.133     0.72     1       BE6-3.1     0      0.13243     0.42     0.133     0.72     1       BE6-5.1     0.00008     27     0.13214     0.42     0.124     0.72     0.738     1.2       BE6-5.1     0.00004     41     0.13307     0.46     0.152     0.71     0.765     2       BE6-1.1     0.000173     19     0.13453     0.44     0.161     0.68     0.65     1.1       BE6-1.1     0.000173     19     0.13201     0.49     0.131     0.82     0.733     1.3       BE6-1.1     0.00013     45     0.13201     0.49     0.131     0.82     0.733     1.3       BE6-1.2     0.00033     45     0.13201     0.75     0.137     1.25     0.665     0.6       BE6-1.1     0.000033     45 </td <td>SAMPLE</td> <td>3 2123 <b>4</b> 6 Ma</td> <td>10</td> <td>0.1204</td> <td>0.70</td> <td>0.201</td> <td>1.07</td> <td>0.740</td> <td>0.0</td>	SAMPLE	3 2123 <b>4</b> 6 Ma	10	0.1204	0.70	0.201	1.07	0.740	0.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	BF6-1 1	0 000042	38	0 13227	0.43	0 12	0.75	0 742	11
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	BE6_2 1	0.000042	71	0.13328	0.40	0.12	1 23	0.742	1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	BE6_3 1	0.000014		0.13243	0.70	0.133	0.7	0.72	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	BE6 / 1	0 00008	27	0.13243	0.42	0.133	0.7	0.738	12
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DE0-4.1	0.00008	21 15	0.13214	0.42	0.124	1.04	0.730	1.2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	DE0-0.1	0.000039	40	0.13291	0.49	0.133	0.06	0.742	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0.000040	50	0.13201	0.0	0.14	0.90	0.743	0.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0.00004	41	0.13307	0.40	0.152	0.71	0.705	ے 1 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		0.000173	19	0.13433	0.44	0.101	0.00	0.05	1.1
BE6-12.1   0   9999   0.13141   0.5   0.095   0.96   0.725   1     BE6-13.1   0.00003   45   0.13288   0.43   0.124   0.73   0.667   1.11     BE6-14.1   0.000032   19   0.13288   0.43   0.137   1.25   0.665   0.6     BE6-15.1   0.000135   21   0.13156   0.42   0.131   0.75   0.743   1.9     BE6-18.1   0.000047   38   0.13325   0.45   0.111   0.82   0.716   1.3     BE6-18.1   0.000047   38   0.13325   0.45   0.111   0.82   0.716   1.3     BE6-18.1   0.0000498   14   0.14053   0.49   0.156   0.77   0.563   0.7     BE7   No Age   BE7   No Age   BE7   0.00006   35   0.1333   0.74   0.173   1.2   0.786   3.5     BE7R-18   0.000022   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected   D   D   0.1313	BE0-11.1	0.000115	20	0.13301	0.49	0.131	0.82	0.733	1.3
BE6-13.1   0.00003   45   0.13288   0.43   0.124   0.73   0.687   1.1     BE6-14.1   0.000532   19   0.13933   0.75   0.137   1.25   0.665   0.6     BE6-15.1   0.000135   21   0.13156   0.42   0.1   0.8   0.648   1.4     BE6-15.1   0.000135   21   0.13156   0.42   0.111   0.82   0.716   1.3     BE6-15.1   0.00012   71   0.13153   0.43   0.133   0.7   0.765   1.1     BE6-10.1   0.00006   35   0.13334   1.1   0.134   0.84   0.595   1.1     BE7R-18   0.000022   100   0.1338   0.74   0.173   1.2   0.786   3.5     BE7R-12   0.00005   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-12   0.00005   100   0.1313   0.57   0.132   1.1   0.821   3.3     BE7R-12   0.00005   100   0.1313   0.57   0.132   1.2   0.9	BE0-12.1	0	9999	0.13141	0.5	0.095	0.96	0.725	1
BE6-14.1   0.000532   19   0.13933   0.75   0.137   1.25   0.665   0.6     BE6-15.1   0.000135   21   0.131227   0.45   0.131   0.75   0.743   1.9     BE6-16.1   0.000033   45   0.13227   0.45   0.111   0.82   0.716   1.3     BE6-18.1   -0.000012   71   0.13153   0.43   0.133   0.7   0.765   1.1     Rejected     0.14053   0.49   0.156   0.77   0.563   0.7     BE6-10.1   0.000066   35   0.13334   1.1   0.134   0.84   0.595   1.1     BE7   No Age       0.773   1.2   0.786   3.5     BE7R-18   0.000022   100   0.1313   0.57   0.132   1.1   0.823   3.5     BE7R-12   0.00005   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected       0.132   1.2   0.906   2	BE0-13.1	0.00003	45	0.13288	0.43	0.124	0.73	0.687	1.1
BE6-15.1   0.000135   21   0.13156   0.42   0.1   0.8   0.648   1.4     BE6-16.1   0.000033   45   0.13227   0.45   0.131   0.75   0.743   1.9     BE6-17.1   0.000047   38   0.13325   0.45   0.111   0.82   0.716   1.3     BE6-18.1   -0.00012   71   0.13153   0.43   0.133   0.7   0.765   1.1     Rejected     0.14053   0.49   0.156   0.77   0.563   0.7     BE6-10.1   0.000066   35   0.13334   1.1   0.134   0.84   0.595   1.1     BE7   No Age         3.5     BE7R-7   -0.000053   50   0.1343   0.57   0.132   1.1   0.821   3.3     BE7R-8   -0.000012   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected        0.132   0.27   0.845   2.3  <	BE6-14.1	0.000532	19	0.13933	0.75	0.137	1.25	0.665	0.6
BE6-16.1   0.000033   45   0.13227   0.45   0.131   0.75   0.743   1.9     BE6-17.1   0.000047   38   0.13225   0.45   0.111   0.82   0.716   1.3     BE6-18.1   -0.00012   71   0.13153   0.43   0.133   0.7   0.765   1.1     Rejected   BE6-6.1   0.000066   35   0.13334   1.1   0.134   0.84   0.595   1.1     BE7   No Age   BE7R-18   0.000022   100   0.1338   0.74   0.173   1.2   0.786   3.5     BE7R-7   -0.000053   50   0.1343   0.57   0.132   1.1   0.821   3.3     BE7R-3   -0.00005   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-12   0.00005   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected   BE7R-15   0.000016   100   0.1328   0.62   1.32   1.2   0.906   2     BE7R-10   0   100   0.1328<	BE6-15.1	0.000135	21	0.13156	0.42	0.1	0.8	0.648	1.4
BE6-17.1   0.000047   38   0.13325   0.45   0.111   0.82   0.716   1.3     BE6-18.1   -0.00012   71   0.13153   0.43   0.133   0.7   0.765   1.1     Rejected   BE6-6.1   0.000498   14   0.14053   0.49   0.156   0.77   0.563   0.7     BE6-10.1   0.000066   35   0.13334   1.1   0.134   0.84   0.595   1.1     BE7   No Age   BE7R-18   0.000022   100   0.1338   0.74   0.173   1.2   0.786   3.5     BE7R-7   -0.000053   50   0.1343   0.57   0.132   1.1   0.821   3.3     BE7R-12   0.00005   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-3   -0.00005   100   0.1313   0.71   0.139   1.3   0.929   2.7     BE7R-15   0.000016   100   0.1335   0.62   0.132   1.2   0.906   2     BE7R-10   0   100   0.1326   0.69 </td <td>BE6-16.1</td> <td>0.000033</td> <td>45</td> <td>0.13227</td> <td>0.45</td> <td>0.131</td> <td>0.75</td> <td>0.743</td> <td>1.9</td>	BE6-16.1	0.000033	45	0.13227	0.45	0.131	0.75	0.743	1.9
BE6-18.1     -0.000012     71     0.13153     0.43     0.133     0.7     0.765     1.1       Rejected     BE6-6.1     0.000498     14     0.14053     0.49     0.156     0.77     0.563     0.7       BE6-10.1     0.000066     35     0.13334     1.1     0.134     0.84     0.595     1.1       BE7     No Age     BE7     0.000053     50     0.1343     0.57     0.132     1.1     0.821     3.3       BE7R-7     -0.00005     100     0.1317     0.37     0.156     0.6     0.823     3.5       BE7R-3     -0.000012     100     0.1313     0.56     0.134     1     0.782     4.8       Rejected     BE7R-10     0     100     0.1335     0.62     0.132     1.2     0.906     2       BE7R-10     0     100     0.1328     0.69     0.141     1.3     0.853     3       BE7R-5     0.000027     50     0.1286     0.41     0.106     2.7	BE6-17.1	0.000047	38	0.13325	0.45	0.111	0.82	0.716	1.3
Rejected     BE6-6.1   0.000498   14   0.14053   0.49   0.156   0.77   0.563   0.7     BE6-10.1   0.00006   35   0.13334   1.1   0.134   0.84   0.595   1.1     BE7   No Age   0.000022   100   0.1338   0.74   0.173   1.2   0.786   3.5     BE7R-18   0.000025   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-3   -0.000012   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected       0.929   2.7     BE7R-15   0.00006   58   0.1313   0.77   0.174   1.2   0.897   3.7     BE7R-10   0   100   0.1313   0.7   0.174   1.2   0.897   3.7     BE7R-20   0.00027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-19   0   100   0.1328   0.69   0.141   1.3   0.853   3<	BE6-18.1	-0.000012	71	0.13153	0.43	0.133	0.7	0.765	1.1
BE66.6.1     0.000498     14     0.14053     0.49     0.156     0.77     0.563     0.7       BE6-10.1     0.000066     35     0.13334     1.1     0.134     0.84     0.595     1.1       BE7     No Age     0.000022     100     0.1338     0.74     0.173     1.2     0.786     3.5       BE7R-7     -0.000053     50     0.1343     0.57     0.132     1.1     0.821     3.3       BE7R-12     0.00005     100     0.1317     0.37     0.156     0.6     0.823     3.5       BE7R-3     -0.000012     100     0.1313     0.56     0.134     1     0.782     4.8       Rejected       0.1335     0.62     0.132     1.2     0.906     2       BE7R-10     0     100     0.1313     0.7     0.174     1.2     0.897     3.7       BE7R-20     0.00027     50     0.1286     0.41     0.106     2.7     0.845     2.3       B	Rejected								
BE6-10.1   0.000066   35   0.13334   1.1   0.134   0.84   0.595   1.1     BE7   No Age   BE7R-18   0.000022   100   0.1338   0.74   0.173   1.2   0.786   3.5     BE7R-7   -0.000053   50   0.1343   0.57   0.132   1.1   0.821   3.3     BE7R-12   0.00005   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-3   -0.000012   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected      0.132   1.2   0.906   2     BE7R-15   0.000016   100   0.1335   0.62   0.132   1.2   0.906   2     BE7R-10   0   100   0.1313   0.7   0.174   1.2   0.897   3.7     BE7R-20   0.000027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993	BE6-6.1	0.000498	14	0.14053	0.49	0.156	0.77	0.563	0.7
BE7   No Age     BE7R-18   0.000022   100   0.1338   0.74   0.173   1.2   0.786   3.5     BE7R-7   -0.000053   50   0.1343   0.57   0.132   1.1   0.821   3.3     BE7R-12   0.00005   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-3   -0.000012   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected	BE6-10.1	0.000066	35	0.13334	1.1	0.134	0.84	0.595	1.1
BE7R-18   0.000022   100   0.1338   0.74   0.173   1.2   0.786   3.5     BE7R-7   -0.000053   50   0.1343   0.57   0.132   1.1   0.821   3.3     BE7R-12   0.00005   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-3   -0.000012   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected	BE7	No Age							
BE7R-7   -0.000053   50   0.1343   0.57   0.132   1.1   0.821   3.3     BE7R-12   0.000005   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-3   -0.000012   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected   BE7R-2   0.00006   58   0.1318   0.71   0.139   1.3   0.929   2.7     BE7R-15   0.000016   100   0.1335   0.62   0.132   1.2   0.906   2     BE7R-10   0   100   0.1313   0.7   0.174   1.2   0.897   3.7     BE7R-6   0.000027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-6   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855 <td>BE7R-18</td> <td>0.000022</td> <td>100</td> <td>0.1338</td> <td>0.74</td> <td>0.173</td> <td>1.2</td> <td>0.786</td> <td>3.5</td>	BE7R-18	0.000022	100	0.1338	0.74	0.173	1.2	0.786	3.5
BE7R-12   0.000005   100   0.1317   0.37   0.156   0.6   0.823   3.5     BE7R-3   -0.00012   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected	BE7R-7	-0.000053	50	0.1343	0.57	0.132	1.1	0.821	3.3
BE7R-3   -0.000012   100   0.1313   0.56   0.134   1   0.782   4.8     Rejected   BE7R-2   0.00006   58   0.1318   0.71   0.139   1.3   0.929   2.7     BE7R-15   0.000016   100   0.1335   0.62   0.132   1.2   0.906   2     BE7R-10   0   100   0.1313   0.7   0.174   1.2   0.897   3.7     BE7R-20   0.000027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-6   0.000019   100   0.1328   0.69   0.141   1.3   0.853   3     BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986 <td>BE7R-12</td> <td>0.000005</td> <td>100</td> <td>0.1317</td> <td>0.37</td> <td>0.156</td> <td>0.6</td> <td>0.823</td> <td>3.5</td>	BE7R-12	0.000005	100	0.1317	0.37	0.156	0.6	0.823	3.5
Rejected     BE7R-2   0.00006   58   0.1318   0.71   0.139   1.3   0.929   2.7     BE7R-15   0.000016   100   0.1335   0.62   0.132   1.2   0.906   2     BE7R-10   0   100   0.1313   0.7   0.174   1.2   0.897   3.7     BE7R-20   0.000027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-6   0.000019   100   0.1328   0.69   0.141   1.3   0.853   3     BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-14   0.00003   45   0.1331   0.38   0.139   1.4   0.929   2.8     BE7R-8   0.000022   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-11   -0.000011   100   0.1336   0.59   0.165   1	BE7R-3	-0.000012	100	0.1313	0.56	0.134	1	0.782	4.8
BE7R-2   0.00006   58   0.1318   0.71   0.139   1.3   0.929   2.7     BE7R-15   0.000016   100   0.1335   0.62   0.132   1.2   0.906   2     BE7R-10   0   100   0.1313   0.7   0.174   1.2   0.897   3.7     BE7R-20   0.000027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-6   0.000027   50   0.1328   0.69   0.141   1.3   0.853   3     BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000013   71   0.1327   0.73   0.138   1.5   0.857   2.4	Rejected								
BE7R-15   0.000016   100   0.1335   0.62   0.132   1.2   0.906   2     BE7R-10   0   100   0.1313   0.7   0.174   1.2   0.897   3.7     BE7R-20   0.000027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-6   0.000027   50   0.1328   0.69   0.141   1.3   0.853   3     BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-14   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-17   -0.000031   58   0.1328   0.51   0.267   0.7   0.939   3.2     BE7R-17   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5	BE7R-2	0.00006	58	0.1318	0.71	0.139	1.3	0.929	2.7
BE7R-10   0   100   0.1313   0.7   0.174   1.2   0.897   3.7     BE7R-20   0.000027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-6   0.000019   100   0.1328   0.69   0.141   1.3   0.853   3     BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-14   0.00003   45   0.1331   0.38   0.139   1.4   0.929   2.8     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-17   -0.000031   58   0.1328   0.51   0.267   0.7   0.939   3.2     BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5	BE7R-15	0.000016	100	0.1335	0.62	0.132	1.2	0.906	2
BE7R-20   0.000027   50   0.1286   0.41   0.106   2.7   0.845   2.3     BE7R-6   0.000019   100   0.1328   0.69   0.141   1.3   0.853   3     BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-14   0.00003   45   0.1331   0.38   0.139   1.4   0.929   2.8     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-17   -0.000013   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8<	BE7R-10	0	100	0.1313	0.7	0.174	1.2	0.897	3.7
BE7R-6   0.000019   100   0.1328   0.69   0.141   1.3   0.853   3     BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-14   0.00003   45   0.1331   0.38   0.139   1.4   0.929   2.8     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-17   -0.000043   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4	BE7R-20	0.000027	50	0.1286	0.41	0.106	2.7	0.845	2.3
BE7R-5   0.000027   50   0.1317   0.45   0.145   0.7   0.993   2.3     BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-14   0.00003   45   0.1331   0.38   0.139   1.4   0.929   2.8     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-17   -0.000043   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000031   58   0.1326   0.51   0.267   0.7   0.939   3.2     BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3	BE7R-6	0.000019	100	0.1328	0.69	0.141	1.3	0.853	3
BE7R-19   0   100   0.1273   0.63   0.112   4.7   0.797   3.7     BE7R-14   0.00003   45   0.1331   0.38   0.139   1.4   0.929   2.8     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-11   -0.000043   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000031   58   0.1326   0.51   0.267   0.7   0.939   3.2     BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3	BE7R-5	0.000027	50	0.1317	0.45	0.145	0.7	0.993	2.3
BE7R-14   0.00003   45   0.1331   0.38   0.139   1.4   0.929   2.8     BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-11   -0.000043   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000031   58   0.1328   0.51   0.267   0.7   0.939   3.2     BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3.8	BE7R-19	0	100	0.1273	0.63	0.112	4.7	0.797	3.7
BE7R-8   0.000022   71   0.1324   0.53   0.141   1.7   0.855   5.2     BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-11   -0.000043   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000031   58   0.1328   0.51   0.267   0.7   0.939   3.2     BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3.8	BE7R-14	0.00003	45	0.1331	0.38	0.139	1.4	0.929	2.8
BE7R-9   -0.000011   100   0.1331   0.52   0.229   0.7   0.986   4     BE7R-11   -0.000043   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000031   58   0.1328   0.51   0.267   0.7   0.939   3.2     BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3.8	BE7R-8	0.000022	71	0.1324	0.53	0.141	1.7	0.855	5.2
BE7R-11   -0.000043   71   0.1327   0.73   0.138   1.5   0.857   2.4     BE7R-17   -0.000031   58   0.1328   0.51   0.267   0.7   0.939   3.2     BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3.8	BE7R-9	-0.000011	100	0.1331	0.52	0.229	0.7	0.986	4
BE7R-17   -0.000031   58   0.1328   0.51   0.267   0.7   0.939   3.2     BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3.8	BE7R-11	-0.000043	71	0.1327	0.73	0.138	1.5	0.857	2.4
BE7R-1   -0.000014   100   0.1336   0.59   0.165   1   0.992   2.5     BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3.8	BE7R-17	-0.000031	58	0.1328	0.51	0.267	0.7	0.939	3.2
BE7R-4   -0.000014   100   0.133   0.58   0.179   0.9   0.879   3.8     BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3.8     SAMPLE B 2172   15 Ma	BE7R-1	-0.000014	100	0.1336	0.59	0.165	1	0.992	2.5
BE7R-16   0.000021   58   0.1278   0.42   0.175   0.7   0.685   3.4     BE7R-13   0.000076   45   0.1332   0.62   0.161   1.8   0.892   3.8     SAMPLE B 2172   15 Ma	BE7R-4	-0.000014	100	0.133	0.58	0.179	0.9	0.879	3.8
BE7R-13 0.000076 45 0.1332 0.62 0.161 1.8 0.892 3.8 SAMPLE B 2172 <b>a</b> 15 Ma	BE7R-16	0.000021	58	0 1278	0.42	0 175	0.7	0.685	3.4
SAMPLE B 2172 @ 15 Ma	BE7R-13	0.000076	45	0 1332	0.62	0 161	1.8	0.892	3.4 3.8
	SAMPLE F	3 2172 <b>�</b> 15 Ma	a		0.02				0.0

BE13-1	0.000087	50	0.1364	0.81	0.099	3.1	1.09	0.8
BE13-5	0		0.1379	1.02	0.083	2.1	1.2	2.4
BE13-5.C	-0.000246	50	0.1292	1.41	0.06	3.4	1.31	3.9
BE13-6	-0.000122	71	0.1343	1.37	0.113	2.5	1.8	1.7
BE13-7	0		0.1361	0.96	0.087	2	2.13	1.3
BE13-11	-0.000088	71	0.1374	1.15	0.073	2.6	1.38	4.3
BE13-13	0.000019	100	0.1358	0.77	0.087	1.6	0.88	3.7
BE13-15	0.000088	50	0.1354	0.83	0.066	3.6	0.95	3.9
BE13-16	0.000077	50	0.1353	0.77	0.113	1.4	1.23	2.7
Rejected								
BE13-2	-0.000038	71	0.1361	0.77	0.087	1.6	1	0.7
BE13-3	0.000048	71	0.1333	2.39	0.09	1.7	1.4	1.7
BE13-3.C	-0.000042	71	0.1398	1.48	0.189	2	0.78	3.3
BE13-4	-0.00004	71	0.1349	1.4	0.097	3.2	0.88	5.2
BE13-8	0		0.1346	0.87	0.085	1.8	0.58	5.2
BE13-9	-0.000139	50	0.133	1.11	0.112	2	0.49	7.4
BE13-10	0.000296	32	0.1385	0.97	0.138	3.9	0.52	3.4
BE13-12	-0.000045	71	0.1354	0.84	0.111	1.5	0.89	5
BE13-14	0.000055	71	0 1397	0.92	0.078	2	0.88	38
BE13-17	0.000072	71	0 1363	1 04	0.073	24	1 28	4.6
BE13-18	0.000061	33	0 1315	0.47	0.070	0.7	0.82	4
SAMPLE B	2122 <b>4</b> 12 Ma	00	0.1010	0.17	0.110	0.1	0.02	
BE121-3	0 000074	30	0 13111	0 47	0.302	42	0.833	26
BF121-4	-0.00001	100	0 13125	0.57	0.002	0.8	0.000	4.2
BF121-5		100	0.13177	0.53	0.24	0.0	0.720	2.8
BF121-6	0.000000	100	0 13141	0.58	0.302	1.2	0.782	3.9
BF121-7	-0.000038	58	0.13123	0.63	0.002	0.8	0.758	1 1
BF121-8	0.000112	32	0.13182	0.00	0.212	0.0	0.756	3.8
BF121-0	0.000112	21	0.13576	0.58	0.282	1 1	0.730	3.8
BF121-10	-0.000066	23	0.13166	0.00	0.202	1.1	0.740	3.6
BF121-10	-0.000000	71	0.13700	0.40	0.52	1.0	0.775	17
BE121-12	0.0000000	20	0.13270	0.74	0.214	1	0.000	3.1
BE121-1	0.000225	23	0.13180	0.70	0.220	13	0.00-	J.1 1
Di 121-2 Rejected	-0.000100	21	0.10103	0.0	0.200	1.5	0.002	Ţ
	0 000018	100	0 13215	0.75	0 273	0.0	0 528	2
	2108 <b>A</b> 16Ma	100	0.15215	0.75	0.275	0.9	0.520	2
BE125 2	0.000183	18	0 13320	0.35	0 117	0.6	0 772	15
DE125-2	0.000103	22	0.13029	0.00	0.117	0.0	0.772	4.J 2.4
DE125-5	0.000132	10	0.13073	0.00	0.101	1 4 9	0.079	2.4
DF 120-10	0.000110	10	0.13200	0.35	0.039	4.0	0.790	3.5
DF 120-17	0.000112	21	0.13270	0.51	0.14	0.5	0.040	4.2
	0 000000	24	0 12002	0.51	0 1 4 6	<u>^ 0</u>	0 000	2 5
DF 120-1	0.000029	24	0.13092	0.51	0.140	0.0	0.000	3.5
BF 125-4	0.000032	23	0.12938	0.23	0.14	0.4	0.783	3.Z
BF125-5	0.000063	100	0.06179	2	0.234	1.8	0.195	4.9
BF125-6	0.000661	18	0.14532	0.61	0.143	2.4	0.708	2.7
BF125-7	0.00036	28	0.13591	0.75	0.2	1.3	0.667	4.8
BF125-11	0.000092	27	0.12004	0.47	0.135	0.7	0.336	5.0
BF125-16	0.000182	25	0.13023	0.44	0.058	1.1	0.725	3.3
SAMPLE B	2143 🎔 10IVIa	50	0.40070		0.400	4.0	0.005	4.0
BNF59-10	0.000117	58	0.13376	1.1	0.133	1.8	0.825	1.8
BNF29-2	0.000048	100	0.13382	1.2	0.134	2	0.835	1.9
BNF20-6	0.000054	100	0.13388	1.3	0.142	4.7	0.679	2.1

BNF59-7	0.000182	45	0.13287	1.1	0.143	1.7	0.928	2.7
BNF59-4	-0.000077	58	0.13238	0.9	0.12	1.6	0.838	3.8
BNF59-3	-0.000053	100	0.13255	1.3	0.13	2.2	0.84	2.6
BNF59-16	0		0.13352	1	0.153	2.7	0.907	2.6
BNF59-13	0.000142	58	0.1331	1.2	0.114	2.2	0.713	1
BNF59-11	0		0.13273	1.1	0.156	1.7	0.857	2.9
BNF59-12	0		0.13116	1.1	0.137	1.8	0.832	2.1
BNF59-15	-0.00011	45	0.13459	0.8	0.175	2.9	0.846	2.6
BNF59-17	-0.000328	45	0.13344	1.4	0.122	2.5	0.723	2.6
BNF59-18	0.000045	100	0.13173	1.2	0.152	1.9	0.783	1
BNF59-19	-0.000118	50	0.13084	1	0.105	2	0.751	1.8
BNF59-20	-0.000133	50	0.13405	1	0.183	1.5	0.704	2.6
BNF59-8	-0 000044	71	0 13309	0.8	0 184	12	0 772	2
BNF59-21	-0 000142	58	0 13097	12	0 158	1.9	0 795	29
Rejected	0.000112	00	0.10001		0.100		0.100	2.0
BNE59-9	0		0 13044	13	0 112	23	0 504	24
BNE59-1	0 000108	45	0 13237	0.8	0.184	1.0	0 792	2.1
BNE59_2	0.000100	40	0.13355	12	0.104	2	0.702	17
SAMPLE B	2131 <b>4</b> 10 Ma		0.10000	1.2	0.101	2	0.720	1.7
BNF60-2	0.000135	24	0 1349	0.48	0 201	0.7	0 805	0 4 2
BNE60 4	0.000133	58 58	0.1343	0.40	0.201	17	0.005	0.42
DNI 00-4	0.000027	50	0.132	0.55	0.157	1.7	0.75	0.40
DNE60 9	0.000032	20	0.1327	0.73	0.108	1.5	0.725	۲.۲ ۱ 01
DINFOU-0	0.000237	20	0.1330	0.54	0.150	1.5	0.739	1.01
DNF00-10	0.00004	50	0.1322	0.50	0.157	0.9	0.095	2.45
DINFOU-12	0.000005	20	0.1327	0.71	0.149	1.1	0.020	0.66
DINF00-14	0.000174	3Z 20	0.1341	0.73	0.125	1.3	0.734	0.61
BNF60-17	0.000091	32	0.133	0.53	0.152	0.8	0.813	0.51
BNF60-18	0.000255	19	0.1338	0.54	0.125	1.8	0.67	1.96
BNF60-19	0.000058	45	0.1316	0.6	0.116	1.1	0.705	1.51
BNF60-1	0		0.1337	0.4	0.3	0.5	0.863	0.73
BNF60-3	-0.000016	100	0.134	0.7	0.145	1.1	0.714	0.57
BNF60-11	0.000013	100	0.1339	0.63	0.118	2.1	0.771	2.07
BNF60-13	0.000067	45	0.1351	0.64	0.169	1	0.765	0.54
Rejected								
BNF60-16	0.000261	13	0.134	0.34	0.285	0.4	0.494	2.3
BNF60-15	0.000369	19	0.1355	0.65	0.111	1.2	0.622	0.51
BNF60-9	0.00101	14	0.1448	0.7	0.153	1.1	0.706	0.59
BNF60-5	0.000226	25	0.1353	0.7	0.173	1	0.485	0.5
BNF60-6	-0.000077	58	0.1327	0.89	0.152	1.4	0.561	1.13
SAMPLE B	2126 � 4Ma							
BNF62-1	0.000107	32	0.13337	0.58	0.194	1.79	0.86	4.5
BNF62-2	-0.000005	100	0.13281	0.39	0.169	0.58	0.874	3.2
BNF62-3	0.000021	45	0.13173	0.36	0.203	1.56	0.781	2.8
BNF62-4	0.000105	28	0.13365	0.5	0.109	1.01	0.979	2.9
BNF62-6	0.000019	58	0.13255	0.45	0.138	1.47	0.756	4.1
BNF62-7	0.000006	100	0.13205	0.44	0.151	1.18	0.845	3.7
BNF62-8	0.000124	23	0.13336	0.45	0.152	0.71	0.763	3.3
BNF62-10	0.000013	58	0.13188	0.37	0.135	0.61	0.818	3.6
BNF62-11	0.000003	100	0.13247	0.52	0.179	0.46	0.976	3.8
BNF62-12	-0.00001	100	0.13243	0.97	0.145	1.81	0.668	3.3
BNF62-13	0.000039	38	0.13225	0.41	0.189	1.33	0.78	3.9
BNF62-14	0.000012	71	0.13258	0.43	0.215	0.56	0.775	2.7

BNF62-15	0.000126	29	0.13646	0.56	0.174	0.88	0.95	3
BNF62-16	0		0.13273	0.54	0.146	0.86	0.809	4.3
BNF62-17	0.000316	12	0.13288	0.83	0.149	0.54	0.596	4.5
BNF62-18	-0.000005	100	0.13164	0.41	0.222	1.4	0.852	4.9
BNF62-19	0.000181	19	0.13463	0.44	0.167	1.22	0.819	4
BNF62-20	0.000103	24	0.1333	0.44	0.187	1.2	0.841	4
BNF62-22	0.000066	30	0.1325	0.44	0.228	0.56	0.844	3.8
BNF62-23	0.000038	28	0.13203	0.59	0.093	0.6	0.813	3
BNF62-24	0.000018	50	0.13217	0.65	0.164	0.89	0.666	2.5
Rejected								-
BNF62-5	0.000063	27	0.13239	0.37	0.197	0.52	0.937	3.6
BNF62-21	0.000329	15	0.13368	0.42	0.119	0.73	0.594	5.4
SAMPLE B	2136 <b>�</b> 14Ma	-		-				-
BNF63-4	0 000052	38	0 13229	0 75	0 206	0.66	0 598	4 1
BNF63-2	0.000009	45	0 1326	0.37	0.169	0.35	0.725	2.8
BNE63_8	0.000005	16	0.1020	0.07	0.100	0.00	0.866	2.0
BNE63 3	0.00005	10	0.13320	0.17	0.102	0.27	0.000	20
Inherited	0.000030	10	0.13430	0.27	0.122	0.42	0.500	2.9
BNE63_6	0 000064	41	0 13604	0.57	0 135	0.95	0 838	25
BNE63-10	0.00000	26	0.13666	0.07	0.155	0.00	0.887	2.0
Rejected	0.00000	20	0.10000	0.4	0.101	0.72	0.007	0.0
RNF63_11	-0.00012	100	0 0/06	0.95	0 127	1 04	0 032	55
BNE63 0	0.000012	26	0.0-30	0.35	0.127	0.4	0.002	3.0
BNE63 5	0.000027	16	0.11303	0.43	0.101	0.4	0.765	13
DNE62 1	0.000770	22	0.1707	0.40	0.150	2.02	0.700	т.J 2 7
DNE62 7	0.000230	50	0.13990	0.00	0.000	2.20	0.042	2.1
	0.000049 2167 <b>A</b> 9Ma	50	0.13777	0.01	0.129	1.05	0.007	5.0
		50	0 12640	0 4 2	0 004	0 00	0 070	17
H253R-10	0.000023	00	0.13049	0.42	0.004	0.00	0.070	1.7
	0.000056	22	0.13013	0.29	0.077	0.62		2.0
H253R-12	0.000021	30	0.13652	0.24	0.144	1.64	0.874	2.5
H253R-3	0.000057	22	0.13683	0.29	0.082	0.6	0.813	2.5
H253R-8	0.000021	28	0.13601	0.23	0.162	0.34	0.956	2.9
H253R-9	0.000034	30	0.13734	0.31	0.087	0.63	0.859	3.7
Rejected								
H253R-1	0.000119	16	0.13293	0.26	0.208	1.85	0.684	2.8
H253R-2	0.000056	20	0.13632	0.21	0.191	0.53	0.932	2.2
H253R-4	0.000074	17	0.13652	0.24	0.226	0.3	0.748	2.8
H253R-5	0.000115	14	0.13467	0.24	0.121	0.42	0.743	2.6
H253R-6	0.000002	71	0.13676	0.17	0.207	0.54	0.948	3.6
H253R-7	0.000044	21	0.13545	0.24	0.223	0.32	0.917	4
H253R-11	0.000069	17	0.13559	0.22	0.257	0.74	0.791	3.8
H253C-1	0.000014	58	0.13607	0.38	0.064	2.79	0.932	3.7
H253C-2	0.000617	11	0.14482	1.01	0.176	1.6	0.814	2.4
H253C-4	0.000127	16	0.1373	0.27	0.093	1.2	0.707	2.4
SAMPLE H	2134 � 3Ma							
HO257-1	0.000125	18	0.1341	0.49	0.055	2.99	0.577	0.8
HO257-2	0.00002	38	0.1325	0.27	0.044	0.86	0.636	1.9
HO257-3	0.00021	17	0.1347	0.36	0.041	1.19	0.586	2
HO257-4	0.000049	25	0.1333	0.27	0.073	0.69	0.646	1.5
HO257-5	0.000019	50	0.1327	0.35	0.051	1.03	0.631	1.3
HO257-6	0.000064	19	0.1338	0.2	0.063	1.91	0.702	1.2
HO257-7	-0.000005	100	0.1327	0.34	0.045	1.07	0.608	1.9

HO257-8	0.000022	32	0.1327	0.23	0.074	0.57	0.628	1.4
HO257-9	-0.000013	41	0.1329	0.24	0.144	5.62	0.64	3
HO257-10	0.000012	58	0.1323	0.31	0.061	1.6	0.655	1.3
HO257-11	0.000015	45	0.132	0.27	0.057	0.75	0.692	1.5
HO257-12	0.000008	71	0.1335	0.31	0.05	0.92	0.628	2.4
HO257-13	0.000237	14	0.1357	0.32	0.091	1.15	0.636	2
HO257-14	0.000133	20	0.1341	0.33	0.067	0.85	0.617	2
HO257-16	0.000063	18	0.1338	0.23	0.078	0.55	0.631	2.1
HO257-17	0.000079	20	0.134	0.24	0.099	0.98	0.672	1.7
HO257-18	0.00004	32	0.1335	0.32	0.043	1.03	0.647	2
HO257-20	0.00002	45	0.134	0.32	0.066	0.82	0.633	0.8
Reiected								
HO257-15	0.000364	21	0.1407	0.57	0.139	1.02	0.549	2.2
HO257-19	0.000004	58	0.1325	0.18	0.087	0.42	0.675	3.1
SAMPLE H	2172 <b>@</b> 8Ma							
H479A-2	0.000014	100	0.13432	0.65	0.068	1.49	0.998	2.9
H479A-3	0.000018	58	0.13516	0.43	0.11	1.35	0.923	3.8
H479A-4	0.000006	100	0 13476	0.41	0 071	0.93	0.974	4 1
H479A-5	-0.000041	58	0 13507	0.64	0.082	1.36	0.971	4 1
H479A-6	0.000038	58	0 13561	0.62	0.073	1.38	1 087	3.8
H479A-7	0.000068	45	0.13742	1 01	0.070	1.00	0.918	3.4
H479A-8	0.000009	100	0 13702	0.52	0.081	1.10	1 03	3.6
H479A_9	0.000000	58	0.13689	0.02	0.001	1.11	0.936	0.0 4 3
H479A-10	0.000024	00	0.13546	0.40 1 18	0.007	0.57	0.000	4.0 6 1
H479A-12	0 000056	45	0.13643	0.58	0.000	1 29	1 075	3.8
H479A-12	0.00006		0.13815	0.67	0.074	2.56	0.996	2.6
H479A-15	0.00000	45	0.136	0.07	0.007	0.74	0.000	2.0 4.7
Rejected	0.000020	-10	0.100	0.4	0.100	0.74	0.000	7.7
	-0 000004	100	0 07064	0.81	0 064	2 4 3	0 368	4 9
H479Δ_11	0.000004	26	0.13651	0.01	0.004	0.40	0.000	4.5 1 8
H479A-11	0.000034	20	0.13673	0.34	0.000	0.5	0.004	
H479A-16	0.000043	58	0.13673	0.34	0.070	0.73	1 031	
	2165 <b>A</b> 11Ma	50	0.15505	0.01	0.000	0.00	1.001	0.2
		100	0 1365	0.95	0 155	21	0.864	0.8
	0.000023	58	0.1305	0.35	0.100	2.1	0.004	20
HO480-2	0.000001	25	0.1340	1 01	0.212	24	0.044	2.9
HO480-3	0.00043	100	0.1333	1.01	0.1	2.4	0.743	2.0
	0.000030	100	0.1333	0.96	0.100	2.5	0.00	0.8
HO480-5	0.000031	100	0.1373	0.90	0.104	2.0	0.000	0.0
	0.000110	35	0.1333	0.70	0.131	1.0	0.007	2.7
	0.000001	35	0.1303	0.40	0.17	27	0.790	0.4
	0.000174	50	0.130	0.01	0.191	2.7	0.099	0.7
	0.000097	20	0.1347	0.76	0.00	2.0	0.793	0.7
	0.000109	33 22	0.130	0.70	0.170	1.0	0.700	2.1
	0.000399	33	0.1399	1.10	0.130	2.7	0.767	2.1
	0.000364	ZZ 71	0.1402	0.65	0.24	0.2	0.701	1.0
	0.000021	/ I E0	0.1309	0.00	0.207	2.1	0.733	1.0
	0.000083	00 74	0.1303	0.93	0.140	2.1	0.755	1.0
	0.000004	71	0.1000	1.14 0.04	0.104	2.4 1 7	0.922	3
	0.000043	100	0.1000	0.01	0.104	1./	0.012	0.7
	0.000028	100	0.1300	0.93	0.139	Z. I 4 7	0.030	2.2
	U.UUUUZ	100	0.1342	0.79	0.159	1.7	0.012	۲.۵
SAIVIPLE H								
H629-10	0.00004	45	0.1349	0.44	0.273	0.6	0.959	1.4
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H629-7	-0.000043	58	0.1347	0.6	0.165	1.01	0.96	1.9
H629-8	0.000068	29	0.1368	0.37	0.119	0.74	0.947	0.4
H629-14	0.000019	100	0.1362	0.67	0.072	1.69	0.999	0.7
Inherited								
H629-6	0.000276	19	0.1422	0.81	0.682	0.45	0.813	1.1
H629-1	0.000248	24	0.1426	0.9	0.502	1.69	0.899	1.9
H629-2	0.000459	14	0.146	1.31	0.232	3.07	0.906	2.3
H629-3	0.000471	15	0.1474	1.22	0.299	2.03	0.838	1.9
Rejected								
H629-11	-0.000018	71	0.0624	0.65	0.076	1.14	0.263	1.3
H629-9	0.000018	35	0.123	0.43	0.069	0.59	0.987	1.8
H629-12	0.000919	12	0.1535	1.88	0.091	6.59	0.614	1.7
H629-5	0.000401	41	0.1472	1.46	0.564	1.34	0.732	1.9
H629-13	0.001118	20	0.1601	1.25	0.607	1.29	0.455	4.5
H629-4	0.001034	14	0.1593	1.24	0.572	2.16	0.788	3.4
SAMPLE H	2150 <b>�</b> 9Ma					-		-
HO631A-1	0.000288	18	0.135	0.53	0.159	1.1	0.797	2
HO631A-2	0.000315	18	0.1358	0.51	0.135	1.2	0.85	1.1
HO631A-4	0.000096	25	0.1337	0.43	0.141	1	0.779	1.9
HO631A-7	0.000037	50	0.1331	0.53	0.104	1.4	0.898	2.8
HO631A-1	0.000139	26	0 1352	0.53	0 136	12	0 761	1.8
HO631A-6	0.000073	38	0 1344	0.57	0 111	2.3	0.861	2.6
HO631A-1(	0.00006	41	0 1343	0.98	0 141	1.3	0 737	2.0
HO631A-9	0.000019	71	0 1344	0.54	0.081	1.6	0.826	19
HO631A-3	0		0 1342	0.57	0 102	1.5	0 794	1.0
HO631A-18	0 000009	100	0 1343	0.52	0.084	1.5	0 754	1.8
HO631A-8	0.000029	50	0 1346	0.02	0.095	1.3	0.912	1.0
HO631A-14	0.000156	21	0 1369	0.46	0.168	1.0	0.887	1.0
HO631A-12	0.000104	26	0.1363	0.40	0.107	12	0.813	2.8
HO631A-16	-0.000019	71	0.1348	0.40	0.098	1.5	0.866	19
HO631A-17	-0.000006	100	0.1353	0.04	0.000	0.9	0.83	1.0
Rejected	0.000000	100	0.1000	0.40	0.170	0.0	0.00	1.7
	0 000703	18	0 1423	0 52	0 164	4	0 505	2
HO631A-5	0.001676	7	0.1568	0.85	0.218	21	0.151	13
HO631A-1	0.000238	20	0.1382	0.55	0.15	2.1	0.504	2.8
SAMPLEH	2134 <b>�</b> 9Ma	20	0.1002	0.00	0.10	2.0	0.004	2.0
631B-3	0.000196	9	0 1358	0.38	0 221	0.3	1 024	06
631B-7	0.000056	33	0 1337	0.39	0 144	0.71	0.945	1.9
631B-8	0.00002	38	0.1337	0.00	0.108	1 15	0.932	1.0
631B-17	0.000023	33	0 1341	0.20	0.189	1.10	1 188	0.3
631B-19	0.000020	28	0 1342	0.04	0.14	0.75	1.063	15
631B-21	0.000009	33	0.1327	0.4	0.293	0.70	1.000	0.8
631B-22	-0.0000002	100	0.1320	0.10	0.126	0.41	1.001	13
631B-23	0.000068	10	0.1343	0.22	0.120	0.42	1.021	0.5
Inherited	0.000000	10	0.1040	0.24	0.12	0.47	1.040	0.5
631B-1	0.000356	12	0 1398	0.33	0 138	0.62	0 846	3.8
631B-10	0.000254	26	0.1394	0.00	0.253	0.02	0.040	13
Rejected	0.000207	20	0.1004	0.00	0.200	0.00	0.01	1.0
631R-2	0 002863	5	0 1855	1.98	0 233	3 91	0.692	04
631B-4	0 004477	4	0 2085	0.97	0.295	0.53	0 714	2 Q
631B-5	0.000382	15	0 139	0.4	0.259	0.8	1 07	12
				<b>.</b>	0.200			

631B-6	0.000915	5	0.1488	0.22	0.216	0.38	1.112	2.4
631B-9	0.001523	18	0.173	2.06	0.296	3.62	0.867	3.4
631B-11	0.001974	12	0.1918	3.96	0.213	9.18	0.943	1.3
631B-12	0.001035	19	0.1583	1.23	0.155	2.26	0.98	0.4
631B-13	0.000007	41	0.1331	0.17	0.319	0.21	0.899	1.5
631B-14	0.001769	8	0.1616	1.58	0.182	3.41	0.655	5
631B-15	0.001042	9	0.1694	0.38	0.197	0.65	0.975	1.9
631B-16	0.001954	7	0.1293	0.46	0.325	0.57	0.286	1.8
631B-18	0.000081	14	0.1356	0.32	0.296	0.39	1.167	1
631B-20	0.006276	9	0.2553	5.24	0.399	8.51	0.811	1.3
631B-24	0.000016	24	0.1328	0.3	0.32	0.45	0.932	0.4
SAMPLE H	2170 <b>�</b> 7Ma							
640A-1	-0.000013	100	0.1365	1.27	0.106	2.05	0.996	1.7
640A-2	-0.000022	71	0.1357	0.52	0.132	0.99	0.964	1.3
640A-3	0.000044	50	0.1352	0.52	0.099	1.12	1.042	2
640A-4	0.000033	58	0.1367	0.51	0.123	1.81	0.989	2.1
640A-5	-0.000006	100	0.1364	0.4	0.108	0.82	0.893	2.5
640A-6	-0.000016	100	0.134	0.63	0.103	1.33	1.025	1.3
640A-7	0.000019	32	0 1353	0.22	0.048	1 75	1 064	0.6
640A-8	-0.000034	71	0 1359	0.65	0.082	1.53	1 025	22
640A-9	0.000033	41	0 1357	0.37	0.095	0.81	0.892	13
640A-10	0.000013	100	0 1367	0.55	0 101	1 19	0.857	0.6
640A-11	0.000025	50	0 1341	0.39	0.102	0.83	0.929	12
640A-12	0	00	0 1366	0.6	0.096	1.32	1 01	1.2
640A-13	-0 000041	100	0 1342	1	0.082	2.38	1 029	1.1
640A-14	0.000045	100	0 1373	1 05	0.095	2.31	0.856	1.1
640A-16	0.000087	41	0 1386	0.95	0.079	1 43	1 058	1.1
640A-19	0.000127	45	0 1342	0.87	0.088	3 13	0.986	0.9
640A-20	-0.00007	40	0.1361	1 29	0.000	1 09	0.000	1.6
640A-15	-0.000052	71	0.1387	0.79	0.117	1.80	1.05	2.1
640A-18	0.000046	71	0.1399	1 65	0.000	1.81	0 945	2.1
640A-17	0.000013	24	0.1326	0.33	0.070	0.83	0.040 1 147	0.9
	12114 <b>&amp;</b> 5Ma	27	0.1020	0.00	0.200	0.00	1.147	0.0
640C-1	0 000084	21	0 1322	0.31	0 153	0 54	0 946	05
640C-2	0.000004	22	0.1313	0.01	0.153	0.81	0.040	2.1
640C-3	0.000015	38	0.1311	0.24	0.100	0.01	0.000	0.7
640C-4	0.000047	26	0.1324	0.20	0.120	0.46	0.007	1 1
640C-8	0.000016	20 41	0.1315	0.20	0.100	0.40	0.000	1.1
640C-9	0.000014	58	0.1324	0.20	0.220	0.70	0.070	1.0
640C-10	0.000014	45	0.1313	0.00	0.107	0.01	0.881	0.6
640C-11	0.000013	71	0.1010	0.27	0.14	0.43	1 035	1 1
640C-12	0.000005	58	0.1200	0.35	0.100	0.77	1.000	1.1
640C-13	0.000000	50	0.1200	0.00	0.141	1 13	1 206	1.7
640C-14	-0.000013	58	0.1310	0.47	0.120	0.62	0.895	1.2
640C-15	0.000013	100	0.1313	0.00	0.123	0.02	0.000	1.0
Inherited	0.000002	100	0.1017	0.20	0.140	0.41	0.000	1.0
640C-5	0 00005	35	0 1347	04	0 072	3 14	0.93	19
640C-6	0.000089	35	0.1356	0.52	0.138	0.14	0.00	0.6
640C-7	0.000095	21	0 1383	0.61	0 101	1 52	0.925	25
	2083 <b>&amp;</b> 6Ma	<u> </u>	0.1000	0.01	0.101	1.02	0.020	2.0
DS014-2	0 000012	50	0 1289	0.31	0 027	1 09	0 685	0 47
DS014-13	-0.000004	100	0 1287	0.6	0 164	1 78	0 711	رجر 1
20014-10	5.000004		0.1201	0.0	0.104		<b>V</b>	I

DS014-1	-0.000009	71	0.1288	0.39	0.163	0.57	0.706	0.31
DS014-3	0.000115	32	0.1312	0.6	0.148	0.94	0.376	1.08
Inherited								
DS014-15	0		0.1337	0.4	0.105	0.74	0.684	0.69
DS014-14	0.000084	24	0.1351	0.38	0.206	2.59	0.702	1.75
DS014-12	0.000113	24	0.1355	0.44	0.266	0.53	0.711	1.2
DS014-11	-0.000014	100	0.1364	0.65	0.217	0.87	0.418	0.83
DS014-10	0.000351	17	0.1435	0.82	0.171	0.74	0.768	0.96
Rejected								
DS014-9	0.000117	25	0.1331	0.48	0.162	1.41	0.641	2.22
DS014-7	0.000057	26	0.1334	0.34	0.277	0.41	0.713	0.28
DS014-6	0.000218	18	0.1361	0.94	0.221	0.61	0.607	0.39
DS014-5	0.000329	21	0.1376	0.54	0.208	0.74	0.64	1.28
DS014-4	0.00034	16	0.1393	0.8	0.257	0.54	0.679	0.36
SAMPLE K	2119 � 6Ma							
119M-5	0.000147	28	0.1324	0.6	0.084	2.05	1.34	0.64
119M-22	0.000121	23	0.1321	0.45	0.075	2.39	1.21	0.71
119M-2	0.000304	18	0.1345	0.74	0.189	0.62	1.36	0.84
119M-12	0.00015	28	0.1326	0.6	0.186	1.35	1.37	0.64
119M-10	0.00011	28	0.1321	0.51	0.068	1.16	1.3	0.95
119M-28	0.000116	19	0.1324	0.37	0.079	0.78	1.17	1.42
119M-32	0.000054	33	0.1319	0.43	0.073	2.1	1.09	0.46
119M-11	0.000101	23	0.1326	0.4	0.327	0.45	1.38	0.43
119M-13	0.000117	24	0.1331	0.45	0.065	1.05	1.25	0.46
119M-4	0.000141	20	0.1334	0.36	0.228	0.47	1.4	0.39
119M-26	0.000349	19	0.1366	0.52	0.223	0.69	1.26	1.5
119M-3	0.000091	28	0.1333	0.9	0.111	1.38	1.35	0.82
119M-21	0.000016	58	0.1324	0.41	0.08	0.85	1.35	0.43
119M33	0.000084	33	0.1333	0.54	0.084	1.11	1.15	0.53
119M-27	0.000197	19	0.1353	0.38	0.277	0.5	1.23	0.39
119M-18	0.00002	71	0.133	0.55	0.118	0.96	1.36	0.58
119M-16	0.000339	25	0.1374	0.81	0.316	0.92	1.33	0.86
Inherited								
119M-20	0.000284	25	0.1384	0.74	0.547	0.67	1.41	0.81
119M-25	0.000159	23	0.3118	0.47	0.117	0.7	2.34	0.54
119M-14	0 000124	27	0.3322	0.37	0.13	0.88	2 69	0.75
Rejected			0.000			0.00		••
119M-24	0 007365	5	0 2234	2 68	0 571	1 63	1	2 37
119M-17	0.000301	21	0 1329	0.87	0.09	1 79	1 23	0.9
119M-15	0.000366	22	0 1348	0.75	0 178	1.09	1.20	0.8
119M-1	0.000154	19	0 1321	0.42	0.077	2 46	1.07	0.85
119M-19	0.000232	20	0.1335	0.42	0.084	1.40	1 28	0.50
119M-6	0.000128	23	0.1000	0.51	0.004	0.64	1.20	0.04
119M-30	0.002971	20	0.1020	1 13	0.226	1 Q4	1 10	1 38
110M-30	0.002071	15	0.1720	0.67	0.220	0.9	1.10	0.63
119M-29	-0.000187	35	0.1325	0.07	0.220	1 37	1.15	0.00
110M-20	0.000107	15	0.1607	2 31	0.130	4 36	1.20	0.00
119M_0		45	0.1307	0.71	0.217	4.00 0 Q/	1 3	0.35
110M_3/	0.001538	- <del>-</del> -5 Q	0.1557	0.77	0.22	1 /0	1.5	0.24
110M-34	0.001000	2	0.1007	0. <del>-</del> 7 0./	0.200	0.47	1 / 2	0.04
119M_8	0.000063	38 28	0.202	0.4	0.208	0.71	1 45	0.57 0 50
119M-23	0.000238	10	0 1501	0.01	0.063	1 01	1 11	0.33
	0.000200	10	0.1001	0.71	0.000			J.74

ML12-066	2099 � 6Ma							
12-66-4	0.000004	100	0.1292	0.38	0.202	1.97	0.564	3.3
12-66-1	0.000047	45	0.1301	0.54	0.116	0.95	0.633	2.6
12-66-10	0.000026	45	0.13	0.4	0.179	0.58	0.488	1.7
12-66-6	0.000041	28	0.1303	0.32	0.131	0.52	0.652	1.7
12-66-7	0		0.1297	0.44	0.102	1.49	0.606	1.4
12-66-3	0.00001	71	0.1299	0.41	0.108	0.74	0.63	2
12-66-8	0.000008	100	0.13	0.57	0.145	0.9	0.454	12.8
12-66-2	0.000025	45	0.1303	0.4	0.133	0.73	0.626	2.2
12-66-14	0.000048	30	0.1317	0.38	0.121	1.08	0.604	4.4
12-66-12	0.000143	28	0.1331	0.59	0.162	0.89	0.573	1.9
12-66-13	0.000133	18	0.133	0.37	0.125	1.5	0.597	1.7
12-66-5	-0.00003	50	0.1314	0.92	0.15	0.76	0.542	2.9
Rejected								
12-66-9	-0.000008	100	0.1289	0.52	0.105	0.96	0.39	10.1
12-66-11	0.000167	19	0.1315	1.38	0.11	2.69	0.454	2.3
SAMPLE M	/2014 � 7Ma							
12-68-12	0.000068	41	0.1292	1.64	0.289	0.69	0.706	1.1
12-68-9	0.000042	45	0.1297	0.52	0.155	0.79	0.687	1.1
12-68-22	-0.000008	100	0.1296	0.52	0.279	0.6	0.705	1.8
12-68-5	0.000093	27	0.1312	0.46	0.23	0.59	0.628	1.9
12-68-6	0.000026	58	0.1304	0.52	0.343	0.56	0.701	2.1
12-68-21	0.000088	30	0.1313	0.5	0.218	0.66	0.695	1.9
12-68-16	0.00003	27	0.1305	0.26	0.164	0.39	0.687	1.3
12-68-4	0.000044	50	0.1309	0.59	0.208	0.79	0.633	2.2
12-68-25	-0.000008	71	0.1304	0.36	0.223	0.47	0.685	1.8
12-68-1	0.000084	24	0.132	1.08	0.241	0.49	0.594	1.6
12-68-17	0.00012	29	0.1328	0.56	0.256	0.68	0.633	1.6
12-68-7	0.000145	22	0.134	0.37	0.334	0.41	0.632	1.8
12-68-11	0.000183	45	0.1352	1.07	0.377	1.12	0.654	2.3
12-68-14	0.00045	17	0.1395	0.54	0.315	0.62	0.644	2.7
Rejected								
12-68-10	0.000165	21	0.1352	0.48	0.217	0.64	0.566	2.6
12-68-2	0.000091	30	0.1295	0.56	0.253	1.57	0.523	1.8
12-68-15	0.000214	22	0.1334	0.58	0.269	1.47	0.619	2.7
12-68-3	0.000157	20	0.1336	0.45	0.274	1.65	0.6	2.3
12-68-8	0.00022	13	0.135	0.32	0.259	0.43	0.661	2.3
12-68-13	0.000296	20	0.1378	0.62	0.299	1.2	0.653	2
12-68-26	0.000426	18	0.1396	0.63	0.526	0.59	0.548	2.2
SAMPLE M	/2121 � 8Ma							
12-70-7	-0.00001	71	0.1302	0.4	0.101	0.75	0.639	2.5
12-70-6	-0.000017	100	0.1317	1.35	0.253	0.91	0.655	1.9
12-70-10	0		0.1313	0.35	0.126	0.99	0.618	1.8
12-70-4	0.000047	45	0.1325	0.54	0.152	0.84	0.648	2.7
12-70-26	0.000081	24	0.1335	0.38	0.058	3.12	0.781	1.6
12-70-8	0.000016	50	0.1317	0.39	0.137	0.96	0.602	1.6
12-70-13	0.000015	41	0.1319	0.28	0.08	0.58	0.639	1.6
Inherited								
12-70-25	0.000038	50	0.1333	0.54	0.111	2.23	0.73	0.5
12-70-9	0.000034	29	0.134	0.3	0.087	0.61	0.636	2.8
12-70-1	-0.000026	100	0.1342	0.9	0.3	1.04	0.658	3.1
12-70-23	0.000026	41	0.1348	0.36	0.179	2.06	0.709	1.5

12-70-28	0.000008	100	0.1339	0.51	0.156	1.91	0.686	1.9
12-70-24	0.000008	71	0.1348	0.34	0.201	0.47	0.716	1.3
12-70-16	0		0.1336	0.4	0.279	0.52	0.694	2.1
12-70-3	0.000006	100	0.1343	0.82	0.213	1.24	0.656	1.4
12-70-17	0.000017	71	0.1346	0.57	0.196	2.99	0.634	3.8
12-70-21	0.000027	45	0.1334	0.41	0.124	1.69	0.591	3
12-70-15	0.000043	25	0.1389	0.29	0.249	1.17	0.669	2.9
Rejected								
12-70-19	0.000194	18	0.1381	0.98	0.11	0.81	0.61	2.2
12-70-14	0.000065	20	0.1344	0.26	0.12	1.96	0.815	2.9
12-70-11	0.00003	24	0.1359	0.43	0.117	5.42	0.646	1.5
12-70-22	0.000161	7	0.1299	2.44	0.037	2.95	0.658	1.8
12-70-2	0.000015	71	0 1343	0.49	0 203	0.67	0 593	0.8
12-70-29	0.000142	14	0 1341	0.43	0.092	0.53	0.626	17
12-70-20	0.000085	38	0.1305	0.40	0.116	13	0.020	55.6
12-70-20	0.000000	20	0.1303	0.02	0.110	1 71	0.410	1
12 70 5	0.000141	20	0.1370	0.0	0.17	1.71	0.404	20
12-70-3	0.000105	20	0.1373	0.39	0.101	1.07	0.300	2.9
12-70-12	0.000175	0	0.120	0.19	0.059	1.90	0.309	0.7
12-70-27	0.000929	100	0.1555	0.40	0.197	1.09	0.095	0.7
	0.000009	100	0.0560	0.75	0.060	1.06	0.143	5. I
SAMPLE IV	2130 🌾 15IVIA		0 4 9 4	0.40	0.000	4.0	0.00	0
12-78-19		74	0.131	0.49	0.262	1.2	0.63	2
12-78-20	-0.000017	/1	0.1309	0.51	0.16	0.86	0.572	1.9
12-78-11	0.000029	29	0.1318	0.27	0.072	0.6	0.634	2.3
12-78-8	0.00006	24	0.1329	0.32	0.304	0.6	0.72	2.1
Inherited								
12-78-4	0.000063	23	0.1337	0.32	0.137	2.25	0.697	1
12-78-17	0.000023	35	0.1338	0.3	0.18	0.44	0.632	3.4
12-78-13	0.000041	30	0.1345	0.34	0.189	0.48	0.736	2.5
12-78-7	0.000095	20	0.14	0.27	0.207	0.9	0.763	0.9
12-78-3	0.000006	100	0.1486	0.42	0.094	1.69	0.807	2.2
12-78-10			0.1712	2.52	0.153	1.75	0.922	1.7
12-78-9	0.000007	71	0.1714	0.62	0.224	0.97	0.721	2.6
Rejected								
12-78-14	-0.000005	100	0.1287	0.67	0.171	0.56	0.573	2.4
12-78-12	0.0001	20	0.1336	0.3	0.07	1.99	0.551	3.3
12-78-16	-0.000046	58	0.1318	0.77	0.182	0.99	0.624	2.5
12-78-5	0.000033	29	0.1337	0.3	0.211	0.4	0.66	1.8
12-78-1	0.00039	24	0.1395	1.36	0.181	4.84	0.374	3.1
12-78-2	0.000097	22	0.1357	0.31	0.054	0.8	0.645	2.8
12-78-6	0.00014	19	0.1365	0.34	0.13	0.58	0.674	2.1
12-78-15	0.00012	50	0 139	0.94	0 184	1.36	0 223	2.3
12-78-18	0.000005	71	0 2084	0.4	0.006	3 39	0.877	2.0
SAMPLE M	2098 <b>🎪</b> 6Ma		0.2001	0.1	0.000	0.00	0.077	2.0
MI 794-1	0 000064	45	0 129	0.64	0 175	0 92	0 92	27
MI 794-14	0.000004	100	0.128	0.04	0.170	1 4	0.84	1.6
ML 70A 15	0.000024	32	0.1200	1 1	0.103	1.4	0.86	1.0
	0.000370	100	0.1330	0.70	0.307	0.99	0.00	2.5
MI 704 6	0.000010	100	0.1209	0.79	0.200	0.00	0.9	2.0 0.6
	0.00002	100 E0	0.1292	0.0	0.130	1.29	0.70	2.0 4 7
IVIL/9A-9		00 400	0.120/	0.71	U.ZIŎ	0.92	U.Ŏ	1.7
IVIL/9A-12	0.000017	100	0.1296	1.16	0.132	1.24	0.86	2.9
ML/9A-10	-0.000008	100	0.1294	0.79	0.16	1.46	0.6	2.4

ML79A-5	0.000027	58	0.1306	0.54	0.234	0.68	0.72	2
ML79A-4	0		0.1303	0.49	0.124	0.83	0.89	3
ML79A-7	0.000452	15	0.1363	0.5	0.236	0.65	0.99	2.4
ML79A-19	0		0.1305	1.57	0.226	1.09	0.91	1.6
ML79A-20	0		0.1305	0.63	0.126	1.92	0.75	3.2
ML79A-2	0.000022	71	0.1309	0.59	0.134	0.96	0.79	1.2
ML79A-16	0		0.1308	0.81	0.132	1.35	0.88	2.7
ML79A-13	0.00001	100	0.1309	0.57	0.131	0.94	0.85	2.9
ML79A-11	-0.000073	50	0.1313	0.76	0.19	1.65	0.76	2.8
Rejected								
ML79A-18	0	100	0.1334	2.18	0.197	1.69	0.76	2.1
ML79A-17	0.000275	19	0.1188	1.99	0.11	3.09	0.31	2.2
SAMPLE N	2086 � 9Ma							
ML79B-5	0.000127	50	0.1286	1	0.116	1.8	0.617	1.6
ML79B-22	-0.000069	45	0.1261	1.58	0.17	1.1	0.573	2.9
ML79B-8	0.000045	58	0.1288	0.69	0.297	0.8	0.572	2
ML79B-1	0.000184	22	0.1306	0.54	0.141	0.9	0.466	0.4
ML79B-14	0.000013	100	0.1284	0.65	0.151	1	0.574	2.1
ML79B-9	0.000516	18	0.1355	0.71	0.248	0.9	0.536	1.2
ML79B-12	0.000172	30	0.1311	0.7	0.184	1.6	0.552	1.6
MI 79B-20	0 000094	28	0 1302	0.78	0 234	1.5	0.598	2.9
ML 79B-2	0.000079	41	0 1301	0.65	0 145	1	0.557	17
ML 79B-7	0.000033	71	0 1295	1 4	0 192	1	0.612	2
ML79B-10	0.000033	71	0 1304	1 29	0.135	12	0.604	15
ML79B-4	0.000197	35	0 1327	0.87	0.100	1.2	0.599	1.0
ML 79B-6	0.000107	100	0.1306	0.77	0.173	1.1	0.556	0.9
ML79B-11	0 000057	58	0.1316	0.77	0.192	1.1	0.528	2.3
ML79B-21	0.000007	00	0.1312	1.08	0.102	1.1	0.599	2.0
ML79B-3	0 00008	41	0.1324	1.00	0.140	1.1	0.588	24
ML79B-25	0.000054	58	0.1326	1.00	0.202	2.1	0.54	2.4
ML79B-23	0.000004	30	0.1320	2 33	0.201	1 9	0.54	2.5 4 1
Inherited	0.000120	50	0.1007	2.00	0.201	1.0	0.000	7.1
MI 79R-19	-0.00063	45	0 1325	0.63	0 123	1 1	0 573	18
Rejected	-0.000000	-0	0.1525	0.05	0.125	1.1	0.575	1.0
MI 70B-23	0 000171	28	0 1257	3 22	0 323	33	0 508	12
ML79B-23	0.000171	20	0.1237	0.82	0.525	0.0 1 3	0.530	3.1
ML70B 17	0 001278	10	0.1200	0.02	0.10	1.5	0.000	2.1
ML79B-17	0.001270	17	0.1348	0.0	0.132	1.7	0.507	2.7
ML79B-13	0.000414	15	0.1340	0.62	0.130	1.0	0.000	12
ML79D-15	0.000001	6	0.1333	0.02	0.104	28	0.401	1.2
	2001 📣 0Ma	0	0.1072	0.05	0.409	2.0	0.729	5.7
		30	0 1202	0.74	0.258	0.6	0 9/3	2.2
	0.000039	20	0.1292	0.74	0.200	0.0	0.043	2.3
	0.000021	30 71	0.129	0.31	0.204	0.4	0.92	1.4
	0.000007	11	0.129	0.33	0.370	0.3	0.791	2.3
ML000-13	0.000043	აა 71	0.1299	0.39	0.400	3.4 0.7	0.020	2
ML080-10	-0.000000	10	0.1294	0.30	0.237	0.7	0.009	2.1
	0.000132	10 40	0.1314	1.19	0.244	1.2	U.020	2.2
IVILUOU-10	0.000284	13	0.1330	0.00	0.283	I	0.901	2.1
	0 000014	EO	0 4 2 0 4	0.00	0 170	07	0.04	<u> </u>
		50	0.1304	0.29	0.1/3	U./	0.84	2.2
Rejected	0.000075	24	0.1332	0.37	0.249	1	0.759	Ζ.Ζ

ML080-17	0.000699	9	0.1259	0.75	0.277	0.5	0.433	2.6
ML080-11	0.000035	38	0.127	0.4	0.236	1.5	0.768	1.3
ML080-3	0.000018	50	0.1275	4.15	0.309	5.4	0.692	4
ML080-8	0.000099	18	0.1299	0.62	0.37	0.4	0.823	2
ML080-14	0.00005	26	0.13	0.32	0.276	1.4	0.837	1.7
ML080-12	0.000057	30	0.1305	0.4	0.313	0.5	0.736	2.1
ML080-1	0.000221	20	0.133	0.82	0.278	0.6	0.446	0.9
ML080-18	0.000479	18	0.1365	1.54	0.238	2.5	0.802	4.1
ML080-7	0.000104	23	0.1319	0.68	0.112	1.2	0.657	2.7
ML080-20	0.003867	6	0.1836	0.66	0.481	1	1.057	1.4
SAMPLE N	2150 � 6Ma							
ML086-15	-0.000048	58	0.132	0.71	0.245	0.89	0.97	3.4
ML086-3	0		0.1332	0.61	0.25	0.76	1.07	2.7
ML086-8	0.00003	71	0.1336	0.69	0.232	0.88	1.05	1.7
ML086-6	0.000021	58	0.1337	0.47	0.291	0.55	0.94	4
ML086-10	0.000023	100	0.1337	0.84	0.184	1.2	0.94	0.8
ML086-14	0.000032	71	0.134	0.72	0.163	1.08	0.95	2.3
ML086-9	0.00001	100	0.1339	0.55	0.131	0.93	0.92	2.5
ML086-5	0		0.1341	0.61	0.242	0.78	0.96	2.6
ML086-1	-0.000035	58	0.1337	0.6	0.25	0.75	1.03	2
ML086-11	-0.000023	100	0.1339	0.85	0.213	1.13	0.8	2.3
ML086-13	0.000021	71	0.1345	0.57	0.19	0.8	0.95	3.2
ML086-16	0.00008	45	0.1355	1.21	0.129	1.19	0.97	4.2
ML086-12	-0.000045	71	0.1341	0.84	0.189	1.2	0.91	2.3
ML086-2	-0.000042	50	0.1342	0.57	0.252	1.12	1.05	2.8
ML086-4	-0.000057	58	0.1341	1.36	0.211	1.04	1.15	3.4
ML086-7	-0.000099	45	0.136	0.78	0.209	1.07	0.94	3.3
SAMPLE N	2101 <b>�</b> 10Ma							
ML105-4	0.000053	50	0.1295	0.64	0.298	0.81	0.836	2.4
ML105-6	0.000099	24	0.1304	0.43	0.23	0.64	0.791	2.1
ML105-3	0.00005	45	0.1298	0.56	0.235	0.78	0.87	1.2
ML105-19	-0.00005	38	0.1292	0.48	0.269	0.62	0.813	2.1
ML105-18	0.000404	14	0.1358	0.43	0.309	0.54	0.769	2.7
ML105-15	0.000323	22	0.1351	0.57	0.294	0.73	0.746	2.7
ML105-11	0.000015	71	0.1312	0.49	0.289	0.63	0.826	2.4
ML105-8	0.000087	32	0.1322	0.52	0.255	0.71	0.806	1.7
ML105-14	0		0.1317	0.66	0.212	0.98	0.798	2.9
ML105-1	-0.000155	35	0.1302	0.78	0.188	1.21	0.829	1.9
Rejected								
ML105-2	-0.000028	100	0.1262	1.06	0.22	1.35	0.844	2.7
ML105-7	0.000804	9	0.1386	0.75	0.321	0.48	0.733	2.1
ML105-9	0.000769	17	0.1384	0.72	0.247	1.98	0.534	1.6
ML105-20	0.003086	5	0.1712	0.98	0.293	1.16	0.519	1.9
ML105-5	0.000367	21	0.1361	0.57	0.218	2.22	0.748	3.2
ML105-10	0.000524	13	0.1382	0.46	0.313	0.58	0.685	2.3
ML105-21	0.003042	7	0.1718	0.55	0.422	1.1	0.728	2.2
ML105-16	0.000304	33	0.1369	0.44	0.317	0.55	0.781	1.9
ML105-13	0.002127	6	0.1617	1.01	0.302	1.37	0.658	2.5
ML105-17	0.000808	12	0.1455	1.58	0.336	1.1	0.804	2.6
ML105-12	0.001011	17	0.1484	1.35	0.342	0.97	0.838	2
ML105-22	0.002573	5	0.1695	1.2	0.377	1.45	0.452	4.1
SAMPLE N	2084 � 11Ma							

ML107-11	0.000084	28	0.1285	0.45	0.085	0.93	1.015	0.7
ML107-2	0.000109	58	0.1293	1.08	0.185	1.53	0.854	0.9
ML107-7	0.000032	50	0.1287	0.5	0.125	0.85	0.901	0.7
ML107-5	0.000077	35	0.1293	0.56	0.112	0.99	0.94	1.3
ML107-1	0.000062	45	0.1293	0.65	0.095	1.37	0.863	1.3
ML107-15	0.000042	50	0.1294	0.58	0.09	1.14	0.85	0.9
ML107-13	0.000026	100	0.1299	0.91	0.256	1.11	0.865	1.9
MI 107-14	0.000033	58	0 1302	0.59	0 165	0.88	1 045	0.6
MI 107-4	0.000012	100	0 1302	0.63	0.09	2 25	0.989	12
ML 107-8	0.000077	58	0.1312	0.00	0.00	1 25	0.000	24
ML 107-10	-0.000056	50	0.1012	0.67	0.100	1.20	0.834	<u> </u>
Inherited	-0.0000000	50	0.1200	0.07	0.120	1.11	0.004	1.0
MI 107 3	0 000048	71	0 1317	0.87	0 221	1 1/	0 006	0.8
NL 107-3	-0.000040	7 1	0.1317	0.07	0.221	1.14	0.990	0.8
	0.00047	20	0 4 2 0 4	0.7	0.400	4.07	0.00	4 7
ML 107-9	0.00017	30	0.1304	0.7	0.108	1.27	0.00	1.7
ML107-6	0.000029	100	0.1293	0.97	0.218	3.13	0.68	5
ML107-12	-0.000068	45	0.1287	0.66	0.141	1.06	0.851	1.4
SAMPLE N	2090 <b>()</b> 6Ma							
ML113-1	0.000257	14	0.1321	0.35	0.071	0.8	0.58	1.6
ML113-11	0.000035	26	0.1293	0.27	0.075	0.9	0.683	1.7
ML113-4	0.000078	24	0.1301	0.38	0.127	1.7	0.639	1.4
ML113-2	0.000088	21	0.1303	0.29	0.058	0.7	0.669	1.7
ML113-13	-0.000015	58	0.1289	0.84	0.123	1.2	0.69	0.8
ML113-10	0.000098	25	0.1305	0.86	0.055	1.9	0.633	2.6
ML113-12	0.000011	58	0.1294	0.35	0.053	0.9	0.684	1.1
ML113-8	0.000012	45	0.1294	0.28	0.082	0.6	0.674	2.1
ML113-6	0.000003	100	0.1296	0.33	0.07	0.7	0.631	2.4
ML113-7	-0.000002	100	0.1296	0.27	0.079	0.6	0.68	1.1
ML113-15	0.000121	23	0.1325	0.45	0.104	0.8	0.595	1.7
ML113-5	-0.000031	50	0.1317	0.49	0.174	0.7	0.559	1.9
Rejected								
ML113-9	0.000122	19	0.13	0.49	0.061	0.8	0.875	2.5
ML113-3	0.00011	10	0.1306	0.76	0.215	1.5	0.699	1.3
ML113-14	0.000097	15	0.1307	0.46	0.105	1.3	0.646	1.2
SAMPLE N	2084 � 7Ma							
ML114-2	0.000125	27	0.1287	0.58	0.148	0.9	0.97	3.6
ML114-5	0.000037	45	0.1279	0.52	0.156	0.8	0.88	2.3
ML114-1	0.000113	35	0.1296	0.72	0.111	1.2	0.91	1.4
ML114-11	0.0002	24	0.1308	0.64	0.118	1.1	1.17	3.4
ML114-7	0.000038	50	0.1292	0.59	0.143	0.9	1.08	3.1
ML114-12	0.000021	71	0.1291	0.64	0.165	0.9	0.97	3.8
ML114-6	0.000031	41	0.1295	0.44	0.09	0.8	0.96	1.6
ML114-14	0.000022	45	0.1296	0.4	0.205	0.5	1.18	1.8
ML114-8	0	100	0.1294	0.43	0.108	0.7	0.82	2.7
MI 114-3	0 000046	41	0 1302	0.53	0 169	0.8	1.06	19
MI 114-9	0.000172	29	0 1319	0.73	0 181	1	0.91	3.2
MI 114-16	0.000098	26	0 131	0.84	0 158	14	0.96	21
MI 114-4	0.000013	100	0.13	0.7	0 113	12	0.73	1.9
MI 114-13	-0.000019	71	0 1299	0.59	0.097	1 1	0.95	2
Rejected	3.000010		0.1200	0.00	0.001		0.00	L
ML114-15	0.000315	19	0.1348	0.64	0.153	18	0.89	26
ML114-10	0.000129	29	0.1329	0.62	0.123	1.1	0.87	3.1
								<b>.</b>

2090 � 6Ma							
0.000066	30	0.1288	0.91	0.063	2.8	1.01	4.6
0.000161	19	0.1302	0.4	0.077	0.8	1.02	2
0.000033	50	0.129	0.55	0.066	1.2	1.13	2.1
0.000043	50	0.1294	0.63	0.072	1.3	0.9	2.1
0.000323	13	0.1333	0.41	0.114	0.7	1.1	2.4
0.000157	20	0.1311	0.49	0.094	0.9	0.97	1.2
0.000575	10	0.1368	0.44	0.094	2.2	0.95	1
0.000044	22	0.1298	0.28	0.048	0.7	1.2	2.4
0 000045	33	0 1301	0.72	0.044	1 1	0.8	3
0.00006	38	0 1304	0.57	0.086	11	1 1	36
0.000516	14	0 1368	0.56	0.094	1.1	1 27	0.6
0.000031	71	0.1305	0.00	0.156	1.1	1.06	1 4
0.000101	27	0.1315	0.70	0.064	1.1	0.97	2
0.00009	23	0.1010	0.01	0.004	1.0	0.83	16
0.000.0	28	0.1310	0.0	0.072	1.0	0.00	24
0.000000	100	0.132	0.49	0.000	1.0	1.06	2. <del>1</del> 2.1
0.000007	100	0.1509	0.5	0.002	1.1	1.00	۲.۱
0 000084	27	0 1209	0.40	0.007	2.1	0 3 2	53
0.000004	21	0.1200	0.49	0.097	2.1	0.52	1.0
0.000366	20 12	0.1331	0.00	0.104	1.3	0.56	1.Z 5 0
0.000106	10	0.1302	0.25	0.063	0.5	1.40	0.0 0.5
0.000263	10	0.1328	0.63	0.055	1.3	0.00	2.5
0.002122	1	0.1605	1.38	0.181	Z	0.92	1.8
	16	0 124	1 17	0.006	1 1	0.627	F
0.000504	10	0.134	1.17	0.096	1.4	0.627	2
0.000119	20	0.13	0.61	0.103	0.8	0.818	3.Z
0.000009	100	0.1288	0.54	0.087	1.2	0.738	5.3
0.000045	41	0.1297	0.49	0.089	1.1	0.889	4.4
0.000209	20	0.132	0.93	0.075	1.3	0.681	3.8
0.000036	33	0.1298	0.36	0.066	0.9	0.763	3.6
0.000018	50	0.1298	0.69	0.064	1	0.798	1.7
-0.000007	71	0.1295	0.34	0.071	0.8	0.752	4.1
0.000059	33	0.1305	0.46	0.093	1	0.689	2.8
-0.000027	71	0.1294	0.65	0.079	3.1	0.712	4.3
0.000007	50	0.13	0.24	0.051	1.3	0.765	3.5
0		0.1299	0.74	0.083	1.1	0.84	0.5
0.000153	12	0.1321	0.58	0.074	1	0.797	3.6
0.000225	20	0.1337	0.83	0.124	3.5	0.322	3.3
0.000021	58	0.1311	0.77	0.095	1	0.7	5.7
0.000193	20	0.1339	0.43	0.102	1.8	0.827	4.3
0.000384	15	0.139	0.49	0.218	2	0.757	6.5
2085 � 12Ma							
-0.000008	100	0.1302	0.51	0.135	1.6	0.734	2.8
0.000029	35	0.1296	0.34	0.081	1.4	0.68	4.2
0.00004	32	0.1305	0.35	0.101	0.7	0.804	2.8
0.000065	21	0.1302	0.3	0.107	0.6	0.774	5.1
-0.000004	100	0.1302	0.35	0.071	0.9	0.734	3.7
0.000442	9	0.1369	0.31	0.104	0.6	0.743	3.5
0.000013	71	0.1311	0.45	0.067	1.2	0.709	4.5
0.000681	8	0.1412	0.39	0.1	2.5	0.645	3
	2090 � 6Ma 0.000066 0.000161 0.00033 0.000323 0.000157 0.000575 0.000044 0.000045 0.00006 0.0000101 0.000031 0.000086 0.000007 0.000088 0.000263 0.002122 2093 � 5Ma 0.000263 0.002122 2093 � 5Ma 0.000504 0.000263 0.000263 0.000263 0.000263 0.000263 0.000263 0.000263 0.000263 0.000263 0.000263 0.00027 0.000007 0.000036 0.00007 0.000007 0.000007 0.000029 0.000027 0.00000000000 0.00000000000000000000	2090 & 6Ma $0.000066$ 30 $0.000161$ 19 $0.00033$ 50 $0.000323$ 13 $0.000157$ 20 $0.000575$ 10 $0.00044$ 22 $0.00045$ 33 $0.0006$ 38 $0.0006$ 38 $0.000516$ 14 $0.00031$ 71 $0.0009$ 33 $0.00086$ 28 $0.000086$ 28 $0.000084$ 27 $0.00088$ 23 $0.000084$ 27 $0.00084$ 27 $0.000263$ 10 $0.002122$ 7 $2093      $ 5Ma $0.00009$ 100 $0.000045$ 41 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 71 $0.00007$ 50 $0$ $0.00007$ 50 $0$ $0.00007$ 50 $0$ $0.00008$ 100 $0.000025$ 21 $0.00004$ 32 $0.00004$ 29 $0.00004$ 29 $0.00004$ 29 $0.00004$ 20 $0.00004$ 20 $0.00004$ 21 <td>2090<math>6Ma</math>0.000066300.12880.000161190.13020.000033500.1290.000043500.12940.000323130.13330.000157200.13110.000575100.13680.000044220.12980.000045330.13010.00006380.13040.000076140.13680.000011270.13150.00009330.13130.000086280.1320.000084270.12080.000084270.12080.000084270.13090.000084270.13090.000084270.12080.000263100.13280.00212270.16052093 <math>\blacklozenge</math> 5Ma0.000119200.000209200.1320.000036330.12980.000045410.12970.000209200.1320.00007710.12950.00007710.12940.00007500.1300.12990.000153120.13370.00027710.13910.00025200.13370.00025200.13370.00025200.13370.00025200.13390.000384150.1392085 <math>\blacklozenge</math> 12Ma0.000041000.1302&lt;</td> <td>2090         <math>6Ma</math>           0.000066         30         0.1288         0.91           0.000161         19         0.1302         0.4           0.000033         50         0.129         0.55           0.000323         13         0.1333         0.41           0.000575         10         0.1368         0.44           0.000575         10         0.1368         0.44           0.000044         22         0.1298         0.28           0.0000516         14         0.1368         0.56           0.000011         27         0.1315         0.51           0.000031         71         0.1305         0.76           0.000011         27         0.1313         0.6           0.00007         100         0.1309         0.5           0.000084         27         0.1208         0.49           0.000088         23         0.1311         0.86           0.00018         13         0.1302         0.25           0.000263         10         0.1328         0.63           0.002122         7         0.1605         1.38           2093 <math>\blacklozenge 5Ma</math>         0.00029         0         0.</td> <td>2090 ◆ 6Ma           0.000066         30         0.1288         0.91         0.063           0.000161         19         0.1302         0.4         0.077           0.00033         50         0.129         0.55         0.066           0.00043         50         0.1294         0.63         0.072           0.000323         13         0.1333         0.41         0.114           0.000157         20         0.1311         0.49         0.094           0.000044         22         0.1298         0.28         0.048           0.000045         33         0.1301         0.72         0.044           0.000045         33         0.1315         0.51         0.064           0.000011         27         0.1315         0.51         0.064           0.000031         71         0.1305         0.76         0.156           0.000036         28         0.132         0.49         0.085           0.000007         100         0.1309         0.5         0.062           0.000084         27         0.1208         0.49         0.97           0.000263         10         0.1328         0.63         0.055</td> <td>2090 ◆ 6Ma         0.000066         30         0.1288         0.91         0.063         2.8           0.000161         19         0.1302         0.4         0.077         0.8           0.000033         50         0.1294         0.63         0.072         1.3           0.000323         13         0.1333         0.41         0.114         0.7           0.000575         10         0.1388         0.44         0.094         2.2           0.00044         22         0.1298         0.28         0.048         0.7           0.000575         10         0.1368         0.44         0.094         2.2           0.000616         14         0.1368         0.44         0.094         2.2           0.000516         14         0.1368         0.56         0.094         1.1           0.000011         27         0.1315         0.51         0.064         1.9           0.000031         71         0.1309         0.5         0.062         1.1           0.000084         27         0.1208         0.49         0.097         2.1           0.000184         27         0.1605         1.38         0.181         2      &lt;</td> <td>2090 ◆ 6Ma         0.000066       30       0.1288       0.91       0.063       2.8       1.01         0.000161       19       0.1302       0.4       0.077       0.8       1.02         0.000033       50       0.129       0.55       0.066       1.2       1.13         0.000323       13       0.1331       0.41       0.114       0.7       1.1         0.000157       20       0.1311       0.49       0.99       0.97         0.000044       22       0.1298       0.28       0.048       0.7       1.2         0.000045       33       0.1301       0.72       0.044       1.1       0.8         0.00006       38       0.1304       0.57       0.086       1.1       1.1         0.000011       27       0.1315       0.51       0.064       1.9       0.97         0.000020       30       0.1313       0.66       0.072       1.3       0.83         0.000031       71       0.1309       0.5       0.062       1.1       1.06         0.000044       27       0.1208       0.49       0.097       2.1       0.32         0.000084       27       <td< td=""></td<></td>	2090 $6Ma$ 0.000066300.12880.000161190.13020.000033500.1290.000043500.12940.000323130.13330.000157200.13110.000575100.13680.000044220.12980.000045330.13010.00006380.13040.000076140.13680.000011270.13150.00009330.13130.000086280.1320.000084270.12080.000084270.12080.000084270.13090.000084270.13090.000084270.12080.000263100.13280.00212270.16052093 $\blacklozenge$ 5Ma0.000119200.000209200.1320.000036330.12980.000045410.12970.000209200.1320.00007710.12950.00007710.12940.00007500.1300.12990.000153120.13370.00027710.13910.00025200.13370.00025200.13370.00025200.13370.00025200.13390.000384150.1392085 $\blacklozenge$ 12Ma0.000041000.1302<	2090 $6Ma$ 0.000066         30         0.1288         0.91           0.000161         19         0.1302         0.4           0.000033         50         0.129         0.55           0.000323         13         0.1333         0.41           0.000575         10         0.1368         0.44           0.000575         10         0.1368         0.44           0.000044         22         0.1298         0.28           0.0000516         14         0.1368         0.56           0.000011         27         0.1315         0.51           0.000031         71         0.1305         0.76           0.000011         27         0.1313         0.6           0.00007         100         0.1309         0.5           0.000084         27         0.1208         0.49           0.000088         23         0.1311         0.86           0.00018         13         0.1302         0.25           0.000263         10         0.1328         0.63           0.002122         7         0.1605         1.38           2093 $\blacklozenge 5Ma$ 0.00029         0         0.	2090 ◆ 6Ma           0.000066         30         0.1288         0.91         0.063           0.000161         19         0.1302         0.4         0.077           0.00033         50         0.129         0.55         0.066           0.00043         50         0.1294         0.63         0.072           0.000323         13         0.1333         0.41         0.114           0.000157         20         0.1311         0.49         0.094           0.000044         22         0.1298         0.28         0.048           0.000045         33         0.1301         0.72         0.044           0.000045         33         0.1315         0.51         0.064           0.000011         27         0.1315         0.51         0.064           0.000031         71         0.1305         0.76         0.156           0.000036         28         0.132         0.49         0.085           0.000007         100         0.1309         0.5         0.062           0.000084         27         0.1208         0.49         0.97           0.000263         10         0.1328         0.63         0.055	2090 ◆ 6Ma         0.000066         30         0.1288         0.91         0.063         2.8           0.000161         19         0.1302         0.4         0.077         0.8           0.000033         50         0.1294         0.63         0.072         1.3           0.000323         13         0.1333         0.41         0.114         0.7           0.000575         10         0.1388         0.44         0.094         2.2           0.00044         22         0.1298         0.28         0.048         0.7           0.000575         10         0.1368         0.44         0.094         2.2           0.000616         14         0.1368         0.44         0.094         2.2           0.000516         14         0.1368         0.56         0.094         1.1           0.000011         27         0.1315         0.51         0.064         1.9           0.000031         71         0.1309         0.5         0.062         1.1           0.000084         27         0.1208         0.49         0.097         2.1           0.000184         27         0.1605         1.38         0.181         2      <	2090 ◆ 6Ma         0.000066       30       0.1288       0.91       0.063       2.8       1.01         0.000161       19       0.1302       0.4       0.077       0.8       1.02         0.000033       50       0.129       0.55       0.066       1.2       1.13         0.000323       13       0.1331       0.41       0.114       0.7       1.1         0.000157       20       0.1311       0.49       0.99       0.97         0.000044       22       0.1298       0.28       0.048       0.7       1.2         0.000045       33       0.1301       0.72       0.044       1.1       0.8         0.00006       38       0.1304       0.57       0.086       1.1       1.1         0.000011       27       0.1315       0.51       0.064       1.9       0.97         0.000020       30       0.1313       0.66       0.072       1.3       0.83         0.000031       71       0.1309       0.5       0.062       1.1       1.06         0.000044       27       0.1208       0.49       0.097       2.1       0.32         0.000084       27 <td< td=""></td<>

	0.000054	24	0.1303	0.31	0.079	0.7	0.623	2.6
ML118-7	0.000608	15	0.141	0.56	0.098	1.4	0.645	5.2
ML118-1	0.00013	19	0.1326	0.35	0.094	1.4	0.598	3.2
ML118-5	0.000464	16	0.1358	0.56	0.101	3.2	0.541	8.7
SAMPLE N	2090 � 12Ma							
ML125-2	0.000018	58	0.1286	0.44	0.084	0.91	1.006	0.4
ML125-4	0.000021	32	0.1294	0.26	0.049	0.69	0.979	1.2
ML125-1	0.000011	38	0.1296	0.22	0.05	0.57	0.987	2.3
ML125-5	0.000121	16	0.1321	0.28	0.075	0.6	1.032	1.3
ML125-3	0.000202	38	0.1341	1.06	0.106	3.3	0.925	0.5
Rejected								
ML125-6	0.000468	36	0.1371	1.62	0.102	4.86	0.675	3.2
SAMPLE N	2088 � 6Ma							
ML150-5	-0.000015	100	0.1277	0.7	0.135	1.15	0.884	1.8
ML150-12	-0.000011	100	0.1284	0.6	0.15	1.42	0.945	0.6
ML150-19	0.000009	100	0.1288	0.53	0.168	0.78	0.938	1.2
ML150-15	0.000045	38	0.1296	0.45	0.164	0.67	0.934	0.4
ML150-20	0.000036	50	0.1296	0.53	0.131	0.89	0.965	1.8
ML150-17	0	100	0.1293	0.49	0.132	0.81	0.956	1.5
ML150-18	0.000023	71	0.13	0.6	0.158	0.91	0.966	0.5
MI 150-11	-0.00001	100	0 1296	0.56	0 154	0.87	0.93	0.5
ML 150-16	-0.000012	100	0 1297	0.62	0 138	1	0.952	12
ML 150-14	0.000031	41	0 1305	0.02	0.166	0.6	0.962	0.8
ML 150-6	-0 000094	38	0 1289	0.65	0.144	1.03	0.002	1 1
ML 150-4	0.000011	100	0.1305	0.6	0.13	1.00	0.873	1.1
ML 150-9	0.000011	100	0 1304	0.55	0 134	0.91	1 065	1.5
	0		0.1001				1.000	
MI 150-8	0		0 1306	0.63	0 126	1 16	0.853	15
ML150-8 Rejected	0		0.1306	0.63	0.126	1.16	0.853	1.5
ML150-8 Rejected MI 150-10	0	50	0.1306	0.63	0.126	1.16	0.853	1.5
ML150-8 Rejected ML150-10 ML150-7	0 0.000048 0.000053	50 50	0.1306 0.1289 0.1292	0.63 0.62 0.65	0.126 0.146 0.142	1.16 0.96 1.03	0.853 0.897 0.93	1.5 0.9 0.6
ML150-8 Rejected ML150-10 ML150-7 MI 150-1	0 0.000048 0.000053 0.000103	50 50 38	0.1306 0.1289 0.1292 0.13	0.63 0.62 0.65 0.68	0.126 0.146 0.142 0.146	1.16 0.96 1.03 1.07	0.853 0.897 0.93 0.901	1.5 0.9 0.6 1
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3	0 0.000048 0.000053 0.000103 0.000076	50 50 38 45	0.1306 0.1289 0.1292 0.13 0.1297	0.63 0.62 0.65 0.68 0.69	0.126 0.146 0.142 0.146 0.143	1.16 0.96 1.03 1.07 1.1	0.853 0.897 0.93 0.901 0.883	1.5 0.9 0.6 1
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 MI 150-2	0 0.000048 0.000053 0.000103 0.000076 0.000043	50 50 38 45	0.1306 0.1289 0.1292 0.13 0.1297 0.1299	0.63 0.62 0.65 0.68 0.69 0.59	0.126 0.146 0.142 0.146 0.143 0.13	1.16 0.96 1.03 1.07 1.1 0.97	0.853 0.897 0.93 0.901 0.883 0.897	1.5 0.9 0.6 1 0.6 0.5
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049	50 50 38 45 50	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303	0.63 0.62 0.65 0.68 0.69 0.59 0.59	0.126 0.146 0.142 0.146 0.143 0.13 0.13	1.16 0.96 1.03 1.07 1.1 0.97 0.98	0.853 0.897 0.93 0.901 0.883 0.897 0.91	1.5 0.9 0.6 1 0.6 0.5 0.6
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE M	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 <b>4</b> 5Ma	50 50 38 45 50 50	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303	0.63 0.62 0.65 0.68 0.69 0.59 0.63	0.126 0.146 0.142 0.146 0.143 0.13 0.148	1.16 0.96 1.03 1.07 1.1 0.97 0.98	0.853 0.897 0.93 0.901 0.883 0.897 0.91	1.5 0.9 0.6 1 0.6 0.5 0.6
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE M ML153-11	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035	50 50 38 45 50 50	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303	0.63 0.62 0.65 0.68 0.69 0.59 0.63	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148	1.16 0.96 1.03 1.07 1.1 0.97 0.98	0.853 0.897 0.93 0.901 0.883 0.897 0.91	1.5 0.9 0.6 1 0.6 0.5 0.6
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035 0.000035	50 50 38 45 50 50 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6 ML153-14	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067	50 50 38 45 50 50 71 45 58	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7 1.6 0.8
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6 ML153-7	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067 0.000009	50 50 38 45 50 50 71 45 58 100	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1284	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54	0.126 0.146 0.142 0.146 0.143 0.13 0.148 0.121 0.072 0.086 0.135	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9 0.89	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7 1.6 0.8 0.5
ML150-8 Rejected ML150-10 ML150-7 ML150-3 ML150-3 ML150-3 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6 ML153-14 ML153-7 ML153-10	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067 0.000009 0.000009 0.000031	50 50 38 45 50 50 71 45 58 100 50	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1284 0.1284 0.1289	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54	0.126 0.146 0.142 0.146 0.143 0.13 0.148 0.121 0.072 0.086 0.135 0.134	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9 0.89 0.81	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7 1.6 0.8 0.5 2.5
ML150-8 Rejected ML150-10 ML150-7 ML150-3 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6 ML153-14 ML153-7 ML153-10 ML153-8	0 0.000048 0.000053 0.000103 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067 0.000067 0.000009 0.000031 0.000019	50 50 38 45 50 50 71 45 58 100 50 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1284 0.1289 0.1289	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5	0.126 0.146 0.142 0.146 0.143 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9 0.89 0.81 0.84	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.908	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7 1.6 0.8 0.5 2.5 2.6
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6 ML153-14 ML153-7 ML153-10 ML153-8 ML153-12	0 0.000048 0.000053 0.000103 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067 0.000009 0.000031 0.000019 0.000019 0.000157	50 50 38 45 50 50 71 45 58 100 50 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5 0.86 0.91	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9 0.89 0.81 0.84 1.66	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.998 0.998	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7 1.6 0.8 0.5 2.5 2.6 2.4
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6 ML153-14 ML153-7 ML153-10 ML153-8 ML153-12 ML153-0	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067 0.000009 0.000031 0.0000157 0.0000157 0.000006	50 50 38 45 50 50 71 45 58 100 50 71 41	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1295 0.1289 0.1295 0.1289 0.1295 0.1289 0.1289 0.1295 0.1289 0.1289 0.1295 0.1289 0.1289 0.1295 0.1289 0.1289 0.1295 0.1289 0.1287	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5 0.86 0.91 0.45	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9 0.89 0.81 0.84 1.66 0.74	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.936 0.937 0.845 0.998 0.855 0.843	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7 1.6 0.8 0.5 2.5 2.6 2.4 2
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-2 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6 ML153-14 ML153-7 ML153-10 ML153-8 ML153-12 ML153-9 ML153-2	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067 0.000009 0.000031 0.0000157 0.000006	50 50 38 45 50 50 71 45 58 100 50 71 41 100	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1307 0.1287 0.1287 0.1287	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5 0.86 0.91 0.45 0.62	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.132 0.132	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9 0.89 0.89 0.81 0.84 1.66 0.74 1.12	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.998 0.855 0.843 1.082	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7 1.6 0.8 0.5 2.5 2.6 2.4 2 1
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE N ML153-13 SAMPLE N ML153-11 ML153-6 ML153-7 ML153-7 ML153-8 ML153-8 ML153-9 ML153-3 ML153-3 ML153-3	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067 0.000009 0.000031 0.000019 0.0000157 0.000006 0	50 50 38 45 50 50 71 45 58 100 50 71 41 100	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1287 0.1287 0.1287 0.1289 0.1287 0.1287 0.1289	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5 0.86 0.91 0.45 0.63 0.42	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.112 0.002	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9 0.89 0.81 0.84 1.66 0.74 1.12 0.84	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.998 0.855 0.843 1.083 0.982	1.5 0.9 0.6 1 0.6 0.5 0.6 0.7 1.6 0.8 0.5 2.5 2.6 2.4 2 1.5
ML150-8 Rejected ML150-10 ML150-7 ML150-3 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-13 SAMPLE <i>N</i> ML153-6 ML153-7 ML153-7 ML153-7 ML153-8 ML153-3 ML153-3 ML153-13 ML153-13 ML153-13	0 0.000048 0.000053 0.000103 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000035 0.000057 0.000009 0.0000157 0.0000157 0.0000157 0.0000157 0.0000157 0.0000157	50 50 38 45 50 50 71 45 58 100 50 71 41 100 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1287 0.1287 0.1287 0.1289 0.1291 0.1291 0.1298	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5 0.86 0.91 0.45 0.63 0.43 1.22	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.112 0.093 0.12	1.16 0.96 1.03 1.07 1.1 0.97 0.98 1.28 2.18 2.9 0.89 0.81 0.84 1.66 0.74 1.12 0.84 1.12 0.84 1.15	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.998 0.855 0.843 1.083 0.983 0.983 0.983	$\begin{array}{c} 1.5\\ 0.9\\ 0.6\\ 1\\ 0.6\\ 0.5\\ 0.6\\ 0.7\\ 1.6\\ 0.8\\ 0.5\\ 2.5\\ 2.6\\ 2.4\\ 2\\ 1.5\\ 1.1\\ 0.6\end{array}$
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-11 ML153-6 ML153-14 ML153-7 ML153-7 ML153-10 ML153-8 ML153-3 ML153-3 ML153-3 ML153-5 ML153-20	0 0.000048 0.000053 0.000103 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.0000157 0.0000157 0.0000157 0.000012 -0.000015 0.000015 0.000015 0.000015	50 50 38 45 50 50 71 45 58 100 50 71 41 100 71 100 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1287 0.1287 0.1287 0.1289 0.1288 0.1289 0.1289 0.1288 0.1289 0.1289 0.1288 0.1289 0.1289 0.1288 0.1289 0.1291 0.1289 0.1291 0.1289 0.1291 0.1289 0.1291 0.1291 0.1291 0.1292 0.1291 0.1291 0.1292 0.1291 0.1291 0.1292 0.1291 0.1291 0.1292 0.1291 0.1292 0.1291 0.1292 0.1291 0.1292 0.1291 0.1292 0.1291 0.1292 0.1292 0.1292 0.1292 0.1292 0.1292 0.1292 0.1292 0.1292 0.1292 0.1292 0.1291 0.1292	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5 0.86 0.91 0.45 0.63 0.43 1.23 0.6	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.132 0.112 0.093 0.13 0.13	$ \begin{array}{c} 1.16\\ 0.96\\ 1.03\\ 1.07\\ 1.1\\ 0.97\\ 0.98\\ 1.28\\ 2.18\\ 2.9\\ 0.89\\ 0.81\\ 0.84\\ 1.66\\ 0.74\\ 1.12\\ 0.84\\ 1.15\\ 0.90\\ \end{array} $	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.998 0.855 0.843 1.083 0.983 0.983 0.962 0.932	$\begin{array}{c} 1.5\\ 0.9\\ 0.6\\ 1\\ 0.6\\ 0.5\\ 0.6\\ 0.7\\ 1.6\\ 0.8\\ 0.5\\ 2.6\\ 2.4\\ 2\\ 1.5\\ 1.1\\ 0.6\\ 1.2\\ \end{array}$
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-13 SAMPLE <i>N</i> ML153-14 ML153-7 ML153-7 ML153-10 ML153-8 ML153-9 ML153-3 ML153-3 ML153-5 ML153-20 ML153-20	0 0.000048 0.000053 0.000103 0.000076 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000067 0.000009 0.0000157 0.0000157 0.0000157 0.000012 -0.000015 -0.000023 0.000023	50 50 38 45 50 50 71 45 58 100 50 71 41 100 71 100 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1287 0.1287 0.1289 0.1291 0.1288 0.1291 0.1295	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5 0.86 0.91 0.45 0.63 0.43 1.23 0.6	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.132 0.112 0.093 0.13 0.129 0.141	$\begin{array}{c} 1.16\\ 0.96\\ 1.03\\ 1.07\\ 1.1\\ 0.97\\ 0.98\\ 1.28\\ 2.18\\ 2.9\\ 0.89\\ 0.81\\ 0.84\\ 1.66\\ 0.74\\ 1.12\\ 0.84\\ 1.15\\ 0.99\\ 0.85\\ \end{array}$	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.998 0.855 0.843 1.083 0.983 0.983 0.962 0.932 0.934	$\begin{array}{c} 1.5\\ 0.9\\ 0.6\\ 1\\ 0.6\\ 0.5\\ 0.6\\ 0.7\\ 1.6\\ 0.8\\ 0.5\\ 2.5\\ 2.6\\ 2.4\\ 2\\ 1.5\\ 1.1\\ 0.6\\ 1.3\\ 0.8\\ \end{array}$
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE <i>N</i> ML153-13 SAMPLE <i>N</i> ML153-6 ML153-14 ML153-7 ML153-7 ML153-8 ML153-12 ML153-9 ML153-3 ML153-13 ML153-5 ML153-20 ML153-15 ML153-15	0 0.000048 0.000053 0.000103 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000031 0.000019 0.000019 0.0000157 0.000006 0 0.000012 -0.000015 -0.000023 -0.00009 0.000011	50 50 38 45 50 50 71 45 58 100 50 71 41 100 71 100 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1287 0.1289 0.1287 0.1289 0.1291 0.1288 0.1292 0.1295 0.1295 0.1295	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.54 0.54 0.54 0.54 0.51 0.45 0.63 0.43 1.23 0.6 0.53 0.55	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.132 0.112 0.093 0.13 0.129 0.141 0.125	$\begin{array}{c} 1.16\\ 0.96\\ 1.03\\ 1.07\\ 1.1\\ 0.97\\ 0.98\\ 1.28\\ 2.18\\ 2.9\\ 0.89\\ 0.81\\ 0.84\\ 1.66\\ 0.74\\ 1.12\\ 0.84\\ 1.66\\ 0.74\\ 1.12\\ 0.84\\ 1.15\\ 0.99\\ 0.85\\ 0.95\end{array}$	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.998 0.855 0.843 1.083 0.983 0.983 0.962 0.932 0.994 0.948	$\begin{array}{c} 1.5\\ 0.9\\ 0.6\\ 1\\ 0.6\\ 0.5\\ 0.6\\ 0.7\\ 1.6\\ 0.8\\ 0.5\\ 2.5\\ 2.6\\ 2.4\\ 2\\ 1.5\\ 1.1\\ 0.6\\ 1.3\\ 0.8\\ 0.6\end{array}$
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE N ML153-13 SAMPLE N ML153-11 ML153-6 ML153-14 ML153-7 ML153-7 ML153-8 ML153-12 ML153-3 ML153-3 ML153-13 ML153-15 ML153-19 ML153-19 ML153-16	0 0.000048 0.000053 0.000103 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000031 0.000019 0.0000157 0.0000019 0.0000157 0.000012 -0.000015 -0.000023 -0.00009 0.000011 0.000011	50 50 38 45 50 50 71 45 58 100 50 71 41 100 71 100 71 100 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1287 0.1289 0.1291 0.1288 0.1291 0.1288 0.1292 0.1295 0.1299 0.1209	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.54 0.54 0.54 0.55 0.86 0.91 0.45 0.63 0.43 1.23 0.6 0.53 0.58 0.58	0.126 0.146 0.142 0.146 0.143 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.135 0.132 0.1	$\begin{array}{c} 1.16\\ 0.96\\ 1.03\\ 1.07\\ 1.1\\ 0.97\\ 0.98\\ 1.28\\ 2.18\\ 2.9\\ 0.89\\ 0.81\\ 0.84\\ 1.66\\ 0.74\\ 1.12\\ 0.84\\ 1.66\\ 0.74\\ 1.12\\ 0.84\\ 1.15\\ 0.99\\ 0.85\\ 0.95\\ 0.95\\ 0.6\end{array}$	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.936 0.937 0.845 0.998 0.855 0.843 1.083 0.983 0.962 0.932 0.994 0.948 1.042	$\begin{array}{c} 1.5\\ 0.9\\ 0.6\\ 1\\ 0.6\\ 0.5\\ 0.6\\ 0.7\\ 1.6\\ 0.8\\ 0.5\\ 2.5\\ 2.6\\ 2.4\\ 2\\ 1.5\\ 1.1\\ 0.6\\ 1.3\\ 0.8\\ 0.6\\ 2.8\\ \end{array}$
ML150-8 Rejected ML150-10 ML150-7 ML150-3 ML150-3 ML150-2 ML150-13 SAMPLE N ML153-11 ML153-6 ML153-14 ML153-7 ML153-7 ML153-7 ML153-8 ML153-3 ML153-3 ML153-3 ML153-3 ML153-5 ML153-15 ML153-19 ML153-16 ML153-16 ML153-16	0 0.000048 0.000053 0.000103 0.000043 0.000049 2092 � 5Ma 0.000035 0.000154 0.000031 0.000019 0.0000157 0.0000019 0.0000157 0.000015 -0.000015 -0.000015 -0.000023 -0.00009 0.000011 0.000011 0.000011 0.000011	50 50 38 45 50 50 71 45 58 100 50 71 41 100 71 100 71 100 100 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1289 0.1287 0.1287 0.1287 0.1289 0.1291 0.1288 0.1291 0.1295 0.1295 0.1299 0.1299 0.1299 0.1299 0.1299	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.55 0.63 0.54 0.55 0.63 0.54 0.55 0.63 0.54 0.55 0.63 0.54 0.55 0.63 0.54 0.55 0.55 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.65 0.59 0.59 0.55	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.132 0.112 0.093 0.13 0.129 0.141 0.135 0.179 0.137	$\begin{array}{c} 1.16\\ 0.96\\ 1.03\\ 1.07\\ 1.1\\ 0.97\\ 0.98\\ 1.28\\ 2.18\\ 2.9\\ 0.89\\ 0.81\\ 0.84\\ 1.66\\ 0.74\\ 1.12\\ 0.84\\ 1.15\\ 0.99\\ 0.85\\ 0.95\\ 0.6\\ 0.6\\ 0.6\\ 0.6\\ 0.6\\ 0.6\\ 0.6\\ 0.6$	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.98 0.936 0.937 0.845 0.998 0.855 0.843 1.083 0.983 0.962 0.932 0.994 0.948 1.042 0.937	$\begin{array}{c} 1.5\\ 0.9\\ 0.6\\ 1\\ 0.6\\ 0.5\\ 0.6\\ 0.7\\ 1.6\\ 0.8\\ 0.5\\ 2.5\\ 2.6\\ 2.4\\ 2\\ 1.5\\ 1.1\\ 0.6\\ 1.3\\ 0.8\\ 0.6\\ 2.8\\ 0.6\\ 2.8\\ 0.7\\ \end{array}$
ML150-8 Rejected ML150-10 ML150-7 ML150-1 ML150-3 ML150-2 ML150-13 SAMPLE N ML153-11 ML153-6 ML153-14 ML153-7 ML153-7 ML153-7 ML153-7 ML153-8 ML153-3 ML153-3 ML153-3 ML153-13 ML153-15 ML153-16 ML153-18 ML153-18 ML153-18	0 0.000048 0.000053 0.000103 0.000043 0.000049 2092 ◆ 5Ma 0.000035 0.000154 0.0000157 0.0000157 0.0000157 0.0000157 -0.000015 -0.000015 -0.000015 -0.000023 -0.000011 0.000011 0.000011 0.000011 0.000015	50 50 38 45 50 50 71 45 58 100 50 71 41 100 71 100 71 100 71 100 71	0.1306 0.1289 0.1292 0.13 0.1297 0.1299 0.1303 0.1271 0.1295 0.1289 0.1289 0.1289 0.1289 0.1289 0.1287 0.1287 0.1289 0.1287 0.1289 0.1291 0.1288 0.1292 0.1295 0.1295 0.1299 0.130	0.63 0.62 0.65 0.68 0.69 0.59 0.63 0.75 0.99 0.84 0.54 0.5 0.86 0.91 0.45 0.63 0.43 1.23 0.6 0.53 0.58 0.42 0.4	0.126 0.146 0.142 0.146 0.143 0.13 0.13 0.148 0.121 0.072 0.086 0.135 0.134 0.154 0.107 0.132 0.132 0.112 0.093 0.13 0.129 0.141 0.135 0.179 0.137 0.137	$\begin{array}{c} 1.16\\ 0.96\\ 1.03\\ 1.07\\ 1.1\\ 0.97\\ 0.98\\ 1.28\\ 2.18\\ 2.9\\ 0.89\\ 0.81\\ 0.84\\ 1.66\\ 0.74\\ 1.12\\ 0.84\\ 1.15\\ 0.99\\ 0.85\\ 0.95\\ 0.6\\ 0.65\\ 0.65\\ 1.12\end{array}$	0.853 0.897 0.93 0.901 0.883 0.897 0.91 0.876 0.938 0.936 0.937 0.845 0.998 0.855 0.843 1.083 0.962 0.932 0.994 0.948 1.042 0.927 1.042	$\begin{array}{c} 1.5\\ 0.9\\ 0.6\\ 1\\ 0.6\\ 0.5\\ 0.6\\ 0.7\\ 1.6\\ 0.8\\ 0.5\\ 2.6\\ 2.4\\ 2\\ 1.5\\ 1.1\\ 0.6\\ 1.3\\ 0.8\\ 0.6\\ 2.8\\ 0.6\\ 2.8\\ 0.7\\ 1.2\\ 0.6\\ 1.3\\ 0.8\\ 0.6\\ 2.8\\ 0.7\\ 1.2\\ 0.7\\ 1.2\\ 0.6\\ 0.7\\ 1.2\\ 0.6\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7\\ 0.7$

ML153-2	0.000022	71	0.1303	0.59	0.132	0.98	0.961	0.5
ML153-17	-0.000021	71	0.1301	0.58	0.136	0.95	0.905	0.5
ML153-1	0		0.1307	0.69	0.139	1.11	0.839	1.7
SAMPLE N	2135 � 6Ma							
ML177-7	0		0.1317	0.56	0.145	0.9	0.839	1
ML177-2	0.00003	71	0.1323	0.68	0.228	1.44	0.886	0.7
ML177-10	0.000089	50	0.1332	0.83	0.142	1.33	1.019	1.4
ML177-8	0.00009	41	0.1335	0.68	0.146	1.08	1.019	1.8
ML177-4	0.000016	50	0.1328	0.41	0.056	9.92	0.929	1.3
ML177-13	0.000197	20	0.1352	0.51	0.212	1.92	0.912	3.5
ML177-1	0.000125	28	0.1343	0.54	0.167	0.81	0.99	0.5
ML177-15	0.000161	28	0.1348	0.62	0.162	0.94	0.935	2.4
ML177-12	-0.000042	71	0.1322	0.82	0.145	1.29	0.939	1.4
ML177-9	0.000088	50	0.1339	0.82	0.179	1.2	0.967	0.8
ML177-5	0.00001	100	0.1332	0.57	0.201	0.78	0.931	2.2
ML177-14	-0.000038	58	0.1329	0.63	0.148	1	0.931	1.4
ML177-16	0.000012	100	0.1339	0.61	0.141	0.99	0.957	1.7
MI 177-11	-0.000018	100	0 1344	0.75	0 146	12	0.925	12
Rejected	0.000010	100	0.1011	0.10	01110		0.020	
MI 177-6	0 000127	27	0 1349	0 99	0 193	4 72	0 847	11
ML 177-3	0.000065	45	0 1342	0.63	0 151	0.98	0.921	21
SAMPLE M	2132 <b>û</b> 10Ma	10	0.1012	0.00	0.101	0.00	0.021	2.1
M178-1	-0.000063	58	0 1319	0.82	0 129	14	0.853	29
M178-2	0.000255	30	0.1386	0.83	0.11	1.1	0.922	2.0
M178-3	-0.000027	100	0.1338	0.00	0 121	1.0	0.782	2.2
M178-4	0.000125	50	0.1328	0.01	0.119	1.0	0 783	17
M178-5	0.000120	18	0.1020	0.00	0.110	1.7	0.713	1.7
M178-6	0.000411	/1	0.1370	0.00	0.155	3.5	0.775	1.0
M178-7	0.000170	71	0.1323	0.30	0.15	13	0.775	1.0
M178-8	0.00006	71	0.1230	0.0-	0.13	1.5	0.012	ייי אר
M179 0	0.00000	100	0.1339	0.90	0.103	1.0	0.924	0.0 2.7
M179 10	0.000021	100	0.1320	0.0	0.139	0.7	0.000	2.1
M179 12	0.000102	19	0.1375	0.70	0.19	0.7	0.703	0.4 0.4
M179 12	-0.000107	50	0.1319	0.05	0.2	1.0	0.013	2.4
M170-13	0.000034	20	0.1330	0.0	0.233	1.2	0.74	2.0
M170-14	0.000524	20	0.1303	0.72	0.219	0.0	0.705	0.1 00
M170-10	0.000037	50	0.1330	0.00	0.225	0.9	0.704	2.0
N170-10	-0.000003	20	0.1299	0.94	0.149	1.0	0.043	2.2
IVI 1 / O- 1 /	0.000102	50	0.1322	0.04	0.249	0.7	0.021	2.0 1 1
IVI 1 / 8-18	-0.000048	58 74	0.1312	0.71	0.15	1.1	0.740	1.4
NII/8-19	-0.00004	71	0.1321	0.8	0.204	1.1	0.753	2.3
	0.00004.0	0	0.470	0.00	0.046	4 7	0.075	<u> </u>
	0.003218	9	0.172	0.82	0.310	1.7	0.875	Z.Z
SAMPLE IV	2090 <b>@</b> 22Ma		0 4000	0.00	0.00	1 40	0.766	0 F
ML187-3	0	10	0.1269	2.39	0.32	1.42	0.766	2.5
ML187-14	0.000641	10	0.1359	0.41	0.082	0.96	0.721	2.8
ML187-2	0	00	0.1291	0.51	0.343	1.09	0.708	3.1
ML187-4	0.000085	22	0.1304	0.57	0.018	1.96	0.82	2.8
	0.000605	8	0.139	0.32	0.125	0.61	U.///	1.7
	0.00007	47	0.4074	0.07	0.000	0.00	0.040	4.0
ML18/-12	0.000207	1/	0.13/1	0.37	0.062	2.09	0.812	1.8
ML187-11	-0.000146	45	0.1332	0.95	0.208	2.21	0.858	2.4
ML187-10	0.00007	45	0.1365	0.65	0.127	1.24	0.794	1.7

Rejected								
ML187-13	0.001807	19	0.1492	2.59	0.234	6.89	0.661	3.8
ML187-5	0.002536	5	0.1594	0.37	0.828	0.83	0.621	2.5
ML187-7	0.000863	10	0.1404	0.5	0.091	1.1	0.902	1.5
ML187-9	0.00014	20	0.1335	0.73	0.184	0.56	1.178	0.4
ML187-1	0.000735	13	0.1415	0.52	0.291	0.69	0.81	1.5
ML187-8	0.000302	17	0.1361	0.46	0.211	0.62	0.751	3.2
ML187-15	0.000939	21	0.1476	1.06	0.221	4.38	0.616	1.6
ML187-16	0.000263	21	0.1336	0.6	0.138	1.09	0.702	2.8
SAMPLE M	WAXI-126/	DS-001 2	086 � 5Ma					
W126-18	0.000176	19	0.1304	0.44	0.144	0.69	0.7	1.29
W126-2	0		0.1286	0.38	0.128	0.63	0.743	0.31
W126-11	0.000053	25	0.1295	0.34	0.178	0.47	0.828	0.29
W126-9	0.000112	28	0.1302	0.99	0.109	0.94	0.797	0.44
W126-16	0.000126	21	0.1306	0.83	0.153	0.65	0.77	2.08
W126-12	0.000092	24	0.1303	1.42	0.176	2.04	0.508	0.91
W126-6	0.000054	25	0.1298	0.33	0.192	0.72	0.753	0.27
W126-1	0.000113	17	0.1307	0.29	0.245	0.36	0.673	1.13
W126-5	0.000145	13	0.1313	0.25	0.23	0.32	0.731	0.21
W126-3	0.000014	58	0.1298	0.38	0.138	1	0.767	0.54
W126-10	0.000111	29	0.1319	0.55	0.237	0.37	0.706	0.46
Inherited								
W126-15	0.000152	21	0.1355	2.05	0.267	1.5	0.752	2.24
W126-19	0.000397	22	0.1389	0.76	0.092	1.68	0.841	2.88
W126-7	0.000067	30	0.135	0.43	0.144	0.69	0.626	0.6
W126-4	0.000055	33	0.1352	0.43	0.184	0.62	0.73	0.67
W126-8	0.000073	33	0.1358	0.5	0.301	0.58	0.656	0.45
Rejected								
W126-13	0.000332	21	0.1325	1.34	0.173	2.87	0.806	0.31
W126-14	0.000058	23	0.13	4.31	0.286	3.83	0.774	2.99
SAMPLE M	WAXI-130/	DS-005 2	174 � 15M	а				
MW130-23	0.000351	41	0.137	1.3	0.12	2.4	0.599	2.5
MW130-9	0.00006	100	0.1349	1.4	0.206	1.8	0.616	1.9
MW130-12	0.000081	100	0.1354	1.6	0.181	2.3	0.625	2
MW130-14	0.00025	50	0.1383	1.4	0.141	2.2	0.618	2
MW130-19	0.000212	23	0.1378	0.6	0.064	3	0.556	1.6
MW130-1	0.000136	71	0.1387	1.4	0.203	3.3	0.607	2.2
MW130-20	-0.000038	100	0.1367	1.1	0.154	1.7	0.582	1.4
MW130-21	0.000062	71	0.1387	1	0.145	1.6	0.564	1.9
MW130-17	0.000058	50	0.1403	0.7	0.23	1.8	0.585	2.7
MW130-10	0		0.14	1.1	0.225	1.5	0.605	1.8
Inherited								
MW130-6	0.000063	100	0.142	1.4	0.172	2.1	0.607	1.1
MW130-22	0.000091	71	0.1425	1.2	0.13	3.4	0.623	2.9
MW130-15	0.000086	100	0.1428	1.6	0.178	2.4	0.57	1.3
MW130-2	0.000119	71	0.1438	1.3	0.18	2	0.65	1.1
MW130-16	0.000058	100	0.1436	1.3	0.1	2.6	0.558	2.5
MW130-5	0.000076	71	0.1438	1.1	0.221	1.4	0.527	3.4
MW130-18	-0.000266	41	0.1395	1.2	0.115	2.1	0.636	2.7
MW130-25	0.00014	71	0.1449	1.4	0.136	2.5	0.567	1.1
MW130-4	-0.000052	100	0.1434	1.2	0.156	4	0.607	2.2
MW130-8	-0.000211	71	0.1416	1.8	0.166	2.7	0.529	2.7

MW130-15	-0.000209	45	0.1417	1.1	0.221	1.5	0.593	2.5
MW130-11	0.000339	32	0.1503	1	0.194	1.4	0.615	0.8
Rejected								
MW130-3	0.000756	41	0.1366	2	0.123	3.4	0.678	1.6
MW130-7	0.000298	50	0.1354	1.5	0.215	2	0.761	1.3
MW130-24	0.000959	19	0.1526	1	0.172	2.6	0.592	3.7
SAMPLE M	WAXI-132/	DS-007 20	)76 � 10M	la				
MW132-10	0.000113	41	0.1287	0.77	0.099	2	1.06	0.8
MW132-8	0.000007	100	0.1279	0.46	0.1	1.2	0.968	0.4
MW132-1	0.000024	58	0.1291	0.51	0.214	0.9	1.128	1.8
MW132-4	0.000033	100	0.1298	1.03	0.105	2.7	1.109	1.8
MW132-3	0		0.1295	1.08	0.099	2.9	1.038	2.2
Inherited	-							
MW132-13	0.000078	50	0.1328	1.56	0.119	1.9	1.007	1.4
MW132-7	0.000012	71	0.1328	0.43	0.125	1	1.095	2.7
MW132-15	0.000019	71	0 1348	0.54	0.217	1	1 186	2
MW132-14	0 000044	50	0.138	1 57	0.123	26	1.100	0.6
Rejected	0.000044	00	0.100	1.07	0.120	2.0	1.010	0.0
MW132-11	-0 000006	100	0 0858	0.53	0 147	15	0 656	13
MW/132-5	0.000037	38	0.0000	0.50	0.147	0.9	0.500	2
M\\\/132-2	0.000007	100	0.0700	0.31	0.140	2.6	0.635	21
M\\\/132-2	0.000013	20	0.0300	0.73	0.175	0.7	0.000	1 0
M\\\/132 Q	0.000130	58	0.1206	0.40	0.254	0.7	1 007	2.3
M/M/132 6	0.000013	J0 45	0.1290	0.37	0.155	2.5	1.037	2.2
MN/132-0	0.000029	+J 22	0.1327	0.42	0.103	2.5	0.005	2.9
MW/132-12	0.000007	100	0.1339	0.50	0.213	0.7	0.990	2.5
MN/122-10	-0.000012	100	0.1300	0.01	0.137	1.4	0.952	2.5
	0.000069	45	0.1420	2.21	0.037	5.0	0.955	4.0
NIAVAI-13		100	0 1 2 9 7	0.44	0.221	0 0	1 1	2.4
	0.000000	50	0.1207	0.44	0.221	0.0	1.1	2.4
	0.000037	00 100	0.1320	0.77	0.200	1.3	1.047	1.4
IVIVV 131-9	0.000016	100	0.1325	0.69	0.133	2.8	0.982	1.0
	-0.000012	100	0.1323	1.25	0.182	2.0	1.045	2.9
IVIVV 131-0	0.000007	100	0.1300	0.47	0.069	1.5	1.103	0.5
IVIVV131-2	0.000014	100	0.1393	0.64	0.191	1.3	1.076	1.4
MVV131-7	0.000021	100	0.1398	0.79	0.174	2.6	1.123	0.8
Rejected	0 000445	50	0 4 0 7 4	0.40	0.000		0.070	4
MVV131-3	0.000115	58	0.1274	2.19	0.098	2.9	0.976	1
MW131-10	0.000042	45	0.1308	0.52	0.254	1.5	0.597	4.7
MVV131-4	0.000021	50	0.1319	0.4	0.1/1	0.8	1.007	3.2
MW131-1	0.000052	33	0.1327	0.43	0.238	0.7	0.964	1.2
MW131-13	0.000029	71	0.1328	1.08	0.132	1.5	0.65	0.6
MW131-12	0.000009	100	0.1342	1.03	0.226	1	0.6	1.9
SAMPLE M	IWAXI-134/	DS009 22	216 <b>@</b> 15Ma	a				
MW134-13	0.000659	13	0.1442	0.5	0.162	0.8	0.705	0.4
MW134-15	0.000298	50	0.1406	1.49	0.145	2.4	0.692	2.5
MW134-10	0.000143	58	0.1387	1.2	0.154	1.9	0.779	1
MW134-17	0.000279	35	0.1413	1.01	0.165	2.7	0.735	2.2
MW134-1	0.000089	45	0.1389	0.73	0.159	1.1	0.696	1
MW134-20	0.000082	71	0.1388	1.11	0.108	2.1	0.742	2
MW134-16	0.000326	38	0.1425	1.17	0.113	2.1	0.684	1.6
MW134-22	0.000036	71	0.1397	0.81	0.193	1.2	0.678	2.5
MW134-11	-0.000021	100	0.1395	0.79	0.152	1.3	0.701	1.8

MW134-8	-0.000051	71	0.1396	0.87	0.138	1.5	0.761	2.7
MW134-9	-0.000103	58	0.1396	1.02	0.136	2.8	0.721	1.5
MW134-4	0.000016	100	0.1417	0.68	0.214	1.7	0.769	1.9
Rejected								
MW134-21	0.000042	71	0.1342	1.31	0.072	1.8	0.625	2.6
MW134-7	0.000499	21	0.1423	0.68	0.112	2.1	0.503	2.2
MW134-2	0.000896	20	0.1483	0.87	0.21	1.2	0.732	0.8
MW134-19	0.000257	32	0.1415	0.87	0.154	1.4	0.639	2
MW134-3	0.000823	16	0.1493	0.69	0.127	1.2	0.596	2.5
MW134-12	0.001025	18	0.1523	0.88	0.232	1.2	0.701	1.2
MW134-6	0.000169	58	0.1413	1.3	0.118	2.4	0.71	2
MW134-5	0.000092	41	0.1413	0.67	0.13	1.2	0.622	2.5
MW134-14	-0.000048	71	0.1399	0.85	0.111	1.6	0.659	2
MW134-18	0.001047	9	0.157	0.45	0.202	0.7	0.526	1.8
SAMPLE M	IWAXI-135/DS	S-010 2´	159 � 11N	Ла				
MW135-6	0.000042	58	0.1338	0.66	0.097	1.3	0.587	1.38
MW135-10	0.000047	58	0.134	0.69	0.107	1.3	0.559	0.91
MW135-1	0.000071	58	0.1346	0.85	0.133	4.5	0.605	1.25
MW135-9	-0.000011	100	0.1336	0.57	0.198	1.3	0.554	0.99
MW135-14	0.00013	35	0.1354	0.7	0.128	1.2	0.518	0.52
MW135-5	0.000314	18	0.1387	0.94	0.201	0.8	0.574	0.44
MW135-8	0.0001	50	0.1367	0.87	0.111	1.6	0.514	0.64
MW135-7	-0 000021	71	0 1355	0.56	0 155	0.9	0.61	0.44
MW135-2	-0.000017	100	0 1358	0.72	0 136	12	0 595	0.56
MW135-13	0 000042	71	0 137	0.8	0 113	2.3	0.588	0.62
MW135-3	-0.000033	100	0 1397	0.99	0 211	14	0.574	0.77
MW135-4	-0.000083	58	0 1412	0.9	0 107	17	0.672	1 39
Rejected	0.000000	00	0.1112	0.0	0.107		0.012	1.00
MW135-12	0 000214	33	0 1339	0.86	0 143	14	0 473	0.61
MW135-11	0.001459	112	0 1638	15	0.132	39	0.629	6.36
SAMPLEM	IWAXI-138/DS	S-013 20	)86 <b>4</b> 101	ла	0.102	00	0.020	0.00
MW138-12	0 000071	45 A5	0 1277	0.67	0 107	12	0 55	1 4 2
MW138-14	0.000055	40	0.1277	0.6	0.107	1.2	0.585	0.44
MW138-11	0.000066	30	0.1211	0.48	0.124	07	0.554	0.32
MW138-25	-0.000012	100	0.1284	1 09	0.140	12	0.508	0.02
MW138-15	0.000058	35	0.1204	0.48	0.007	1.2	0.582	1 4 1
MW138-21	0.000152	16	0.1204	0.40	0.120	0.5	0.569	0.46
M\\/138_7		100	0.1000	0.85	0.170	1 1	0.568	0.40
M\\/138_4	0.000031	50	0.1200	0.00	0.00	0.9	0.500	0.36
MW138-16	0.000001		0.1200	0.55	0.110	0.0	0.543	0.00
MW138-13	0 00007	100	0.1200	0.00	0.100	0.8	0.500	0.72
M\\/138_8	0.000007	100	0.1200	0.40	0.100	0.0	0.573	0.77
Inherited	0.000000	100	0.1200	0.44	0.10	0.7	0.004	0.00
MW/138-24	0 000272	14	0 1346	0.36	0 167	0.9	0 595	1 67
MW/138_23	0.000272	/1	0.1351	0.00	0.107	0.5	0.555	0.56
MW/138_20	0.000007	100	0.13/6	0.00	0.020	2	0.504	0.00
M\\\/138_3	-0.00075	58	0.1340	0.0	0.102	12	0.504	0.40
Rejected	-0.000075	50	0.1041	0.00	0.190	1.2	0.000	0.12
	0 0004	10	0 1327	0.63	0 1/2	16	0 530	0 47
M/M/132 F	0.0004	10	0.1327	0.03	0.142	1.0 0.8	0.559	0.47
MM/132 1	0.000411	1 <del>4</del> 00	0.1300	0.47	0.120	0.0	0.574	0.99 0.99
M/M/132 0	0.00011	22 24	0.1004	0.4	0.120	1.1 A 2	0.520	0.00
10100-9	0.000111	24	0.131	0.40	0.152	0.0	0.004	1.73

MW138-22	0.000274	21	0.1344	0.48	0.146	1.2	0.54	0.36
MW138-6	0.001694	8	0.1533	0.47	0.277	0.6	0.506	1.15
MW138-10	0.000158	38	0.1341	1.35	0.307	2	0.552	0.63
MW138-2	0.000568	20	0.1396	1.1	0.073	4.2	0.522	0.46
MW138-17	0.000257	24	0.1374	0.68	0.135	1.1	0.48	0.49
MW138-19	-0.000034	100	0.1353	1.97	0.145	6.6	0.195	33
SAMPLE S	2096 <b>�</b> 7Ma			-				
SU001-2	0.000133	18	0.1317	0.56	0.111	0.59	1.08	1.3
SU001-4	0.000035	45	0.1296	0.51	0.093	0.93	0.97	1.3
SU001-5	0.000098	30	0.1316	0.57	0.112	0.97	1.04	0.5
SU001-7	0.000006	100	0.1303	0.48	0.154	0.7	0.92	1.7
SU001-11	0.000016	58	0.129	0.45	0.095	0.82	0.97	1.1
SU001-14	0.000433	15	0.1353	0.52	0.121	1.44	0.89	1.1
SU001-15	0.000118	20	0 1322	0.35	0.094	0.65	0.9	2.5
SU001-20	0 000414	10	0 1366	0.58	0 115	1 19	1 03	1.3
SU001-21	0.000386	12	0 1371	0.39	0 108	12	0.96	27
SU001-22	0.000285	15	0 1359	0.00	0.153	0.61	0.95	2.8
Rejected	0.000200		0.1000	0	01100	0.01	0.00	2.0
SU001-1	0 002222	5	0 167	1 43	0 245	2 28	0.73	21
SU001-3	0.000283	10	0 1343	0.3	0.141	0.47	0.85	19
SU001-6	0.001173	11	0 146	0.61	0.221	1.33	1.03	22
SU001-8	0.001501	12	0 1509	0.01	0.221	2.33	0.86	<u> </u>
SU001-0	0.001001	10	0.1667	2.64	0.134	6.46	1.07	11
SU001-0	0.002422	4	0.1007	1 32	0.210	1.8	0.63	3.1
SU001-10	0.000327	- 8	0.2470	0.68	0.343	0.52	1 04	13
SU001-12	0.0000000	7	0.14	0.00	0.104	0.02	0.07	1.0
SU1001-15	0.000732	7	0.1381	0.35	0.113	1.25	0.75	1.7
SU001-10	0.000778	22	0.1301	0.30	0.123	0.64	0.75	1.7
SU1001-17	0.0000000	6	0.1304	1 / 1	0.004	0.0 <del>4</del> 1.22	0.00	0.0
SU001-10	0.003007	7	0.1737	0.35	0.290	4.22	0.47	0.9 24
SU001-19	2103 📣 14 Ma	1	0.1412	0.55	0.145	1.55	0.0	2.4
		10	0 1357	0.47	0 114	0.0	0.07	26
SU002-2 SU002-5	0.000245	10	0.1307	0.47	0.114	0.0	0.97	2.0
SU002-5	0.000011	40	0.1302	0.07	0.040	0.74	1.02	1.0
SU002-0	0.000000	20	0.131	0.20	0.04	0.70	1.00	1.4
SU002-0	0.000009	100	0.1310	0.00	0.219	0.71	0.06	10
SU002-10 Dejected	0.000202	9	0.1525	0.23	0.003	0.51	0.90	1.9
	0 00003	20	0 1222	0.27	0.219	0.47	0.51	30
SU002-1	0.000093	20	0.1223	0.37	0.210	0.47	0.51	J.Z 1 0
SU002-3	0.000170	10	0.1290	0.31	0.033	1.40	0.74	1.0
SU002-4	0.00023	20	0.1320	0.40	0.190	0.04	0.97	1.5
50002-7	0.000096	19	0.1203	0.30	0.10	0.49	0.56	1.0
SU002-9	0.000727	17	0.1310	0.00	0.149	1.13	0.49	1 0
SU002-11	0.000300	10	0.1310	0.33	0.00	0.70	0.72	1.0
50002-12	0.000535	13	0.1342	0.32	0.000	0.00	0.03	1.9
SUUU2-13	0.003455	9	0.1080	1.8	0.223	4.08	0.29	1.2
SAMPLE S		00	0.4040	0.00	0.4.40	0.0	4 4 7	0
50003-1	0.000037	33	0.1313	0.39	0.143	0.0	1.17	2
50003-2	0.000031	38	0.1304	0.41	0.134	1.00	1.11	1.2
50003-3	0.000495	11	0.1393	0.42	0.16	0.62	1.14	1.5
50003-5	-0.000018	45	0.1311	0.36	0.126	0.96	1.12	1.4
50003-4	0.000118	20	0.1315	0.41	0.102	0.73	0.96	1.2
SU003-7	0.000437	12	0.1369	0.41	0.144	1.38	1.14	2

SU003-9	0.000431	10	0.1365	0.35	0.177	0.5	0.99	1.7
SU003-10	-0.000004	100	0.1304	0.37	0.107	0.64	1.07	2.1
SU003-11	0.000144	23	0.1326	0.52	0.131	0.83	0.99	3
SU003-12	0.000041	29	0.131	0.35	0.126	0.57	0.97	1.3
SU003-13	0.000025	38	0.1303	0.65	0.14	0.56	0.92	1.9
SU003-14	0.000073	22	0.1315	0.56	0.147	0.54	1.04	1.7
SU003-15	0.000028	33	0.1299	0.34	0.152	0.5	1.06	1
Rejected								
SU003-6	0.000752	9	0.1458	0.45	0.181	0.64	0.9	0.4
SU003-8	0.002008	5	0.1649	0.37	0.234	0.5	1.11	1.4
SAMPLE S	2120 � 10Ma							
SU004-1	0.000119	23	0.1327	0.4	0.052	1.18	0.59	3.1
SU004-3	0.00002	38	0.13	0.62	0.062	1.13	0.61	1.9
SU004-6	0.000015	71	0.1314	0.43	0.289	1.12	0.57	2.8
SU004-7	0.000102	24	0.1332	0.37	0.181	0.94	0.65	1.9
SU004-8	0.000041	58	0.1321	0.58	0.154	1.02	0.65	1.9
SU004-9	0.000078	30	0.1334	0.68	0.212	1.27	0.53	2.3
SU004-11	0.000039	41	0.1305	0.41	0.043	1.31	0.59	2.6
SU004-12	0.000026	50	0.1326	0.4	0.134	0.74	0.5	1.3
Inherited	0.000020		011020	••••		••••		
SU004-2	0.000023	41	0.1342	0.31	0.156	0.54	0.68	2.3
SU004-4	0.000008	41	0 1346	0.2	0 191	0.29	0.77	2.3
SU004-5	0.000122	21	0 1412	0.29	0 201	0.46	0.63	
Rejected	0.000122		0	0.20	0.201	0.10	0.00	Ũ
SU004-10	0.000156	19	0.1338	0.73	0.113	1.36	0.51	3.6
SAMPLE S	2103 <b>�</b> 7Ma		011000				0.0.1	0.0
SU006-1	0		0 1304	0.51	0 107	15	0 802	29
SU006-2	0 000053	41	0 131	0.51	0 121	1.3	0 719	2.6
SU006-3	-0.000008	100	0 1293	0.92	0 113	1.3	0 792	2.3
SU006-4	0.000085	27	0.1312	0.02	0 132	1.0	0.645	3.4
SU006-5	0.000000	100	0.1301	0.7	0.103	19	0.685	24
SU006-6	0 000108	21	0 1328	0.38	0.137	0.9	0.674	3.8
SU006-7	0.000008		0.1020	0.00	0.107	0.0	0.702	2.0
SU006-8		100	0.1798	0.5	0 132	12	0/9/	
	0.000008	100 32	0.1298	0.5 0.47	0.132	1.2 0.9	0.792	2.1
SU006-9	0.000074	100 32 45	0.1298 0.1315 0.1303	0.5 0.47 0.6	0.132 0.19 0.12	1.2 0.9 1.5	0.792 0.744 0.718	2.7 2 1.8
SU006-9	0.000074 0.000061	100 32 45 71	0.1298 0.1315 0.1303 0.1317	0.5 0.47 0.6 0.61	0.132 0.19 0.12 0.127	1.2 0.9 1.5 1.5	0.792 0.744 0.718 0.696	2.7 2 1.8 2 4
SU006-9 SU006-10	0.000000 0.000074 0.000061 -0.000025 0.00053	100 32 45 71 12	0.1298 0.1315 0.1303 0.1317 0.139	0.5 0.47 0.6 0.61 0.96	0.132 0.19 0.12 0.127 0.193	1.2 0.9 1.5 1.5 1 9	0.792 0.744 0.718 0.696 0.706	2.7 2 1.8 2.4 2.6
SU006-9 SU006-10 SU006-11. <sup>7</sup> SU006-12	0.000074 0.000061 -0.000025 0.00053 0.00076	100 32 45 71 12 32	0.1298 0.1315 0.1303 0.1317 0.139 0.1314	0.5 0.47 0.6 0.61 0.96 0.47	0.132 0.19 0.12 0.127 0.193 0.135	1.2 0.9 1.5 1.5 1.9 1 1	0.792 0.744 0.718 0.696 0.706 0.697	2.7 2 1.8 2.4 2.6 2.2
SU006-9 SU006-10 SU006-11. <sup>-</sup> SU006-12	0.000074 0.000061 -0.000025 0.00053 0.000076 0.000011	100 32 45 71 12 32 100	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13	0.5 0.47 0.6 0.61 0.96 0.47 0.63	0.132 0.19 0.12 0.127 0.193 0.135 0.114	1.2 0.9 1.5 1.5 1.9 1.1	0.792 0.744 0.718 0.696 0.706 0.697 0.727	2.7 2 1.8 2.4 2.6 2.2 2.2
SU006-9 SU006-10 SU006-11.' SU006-12 SU006-12.' SU006-13	0.000074 0.000061 -0.000025 0.00053 0.000076 0.000011	100 32 45 71 12 32 100 71	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.721	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3
SU006-9 SU006-10 SU006-11.' SU006-12 SU006-13 SU006-13	0.000074 0.000061 -0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188	100 32 45 71 12 32 100 71 26	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5 1.3	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2
SU006-9 SU006-10 SU006-11.' SU006-12.' SU006-13 SU006-13.' SU006-14	0.000074 0.000061 -0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023	100 32 45 71 12 32 100 71 26 58	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5 1.3 1.4	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3
SU006-9 SU006-10 SU006-11.' SU006-12.' SU006-13 SU006-13.' SU006-14	0.000074 0.000061 -0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023	100 32 45 71 12 32 100 71 26 58	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48	0.132 0.19 0.12 0.127 0.193 0.135 0.135 0.114 0.108 0.17 0.09	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5 1.3 1.4	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3
SU006-9 SU006-10 SU006-12. SU006-12. SU006-13 SU006-13. SU006-14 Inherited SU006-11	0.000074 0.000061 -0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023	100 32 45 71 12 32 100 71 26 58 11	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5 1.3 1.4	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3
SU006-9 SU006-10 SU006-12. SU006-12. SU006-13 SU006-13. SU006-14 Inherited SU006-11 SU006-14	0.000074 0.000074 0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023 0.00093 0.00093	100 32 45 71 12 32 100 71 26 58 11 22	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131 0.1444 0.1471	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48 0.52 1.05	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09 0.159 0.123	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5 1.3 1.4 2.8 3.9	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775 0.644 0.704	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3 3.4 2.4
SU006-9 SU006-10 SU006-11.' SU006-12 SU006-13 SU006-13.' SU006-14 Inherited SU006-11 SU006-14.' SAMPLE S	0.000074 0.000074 0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023 0.00093 0.000974 2116 <b>•</b> 9Ma	100 32 45 71 12 32 100 71 26 58 11 22	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131 0.1444 0.1471	$\begin{array}{c} 0.5\\ 0.47\\ 0.6\\ 0.61\\ 0.96\\ 0.47\\ 0.63\\ 0.57\\ 0.62\\ 0.48\\ 0.52\\ 1.05\\ \end{array}$	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09 0.159 0.123	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5 1.3 1.4 2.8 3.9	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775 0.644 0.704	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3 3.4 2.4
SU006-9 SU006-10 SU006-12.' SU006-12.' SU006-13 SU006-13.' SU006-14 Inherited SU006-11 SU006-14.' SAMPLE S	0.000074 0.000074 0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023 0.00093 0.000974 2116 � 9Ma 0.000024	100 32 45 71 12 32 100 71 26 58 11 22 71	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131 0.1444 0.1471 0.1293	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48 0.52 1.05	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09 0.159 0.123	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5 1.3 1.4 2.8 3.9	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775 0.644 0.704	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3 3.4 2.4
SU006-9 SU006-10 SU006-12. SU006-12. SU006-13 SU006-13. SU006-14 Inherited SU006-11 SU006-14. SAMPLE S SU007-5 SU007-8	0.000074 0.000074 0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023 0.00093 0.000974 2116 � 9Ma 0.000024 0.000138	100 32 45 71 12 32 100 71 26 58 11 22 71 30	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131 0.1444 0.1471 0.1293 0.1316	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48 0.52 1.05 0.83 0.84	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09 0.159 0.123 0.003 0.136	$ \begin{array}{r} 1.2\\ 0.9\\ 1.5\\ 1.5\\ 1.9\\ 1.1\\ 1.6\\ 1.5\\ 1.3\\ 1.4\\ 2.8\\ 3.9\\ 6.56\\ 1.02\\ \end{array} $	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775 0.644 0.704 0.813 0.697	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3 3.4 2.4 1.4 3.2
SU006-9 SU006-10 SU006-12. SU006-12. SU006-13 SU006-13. SU006-14 Inherited SU006-14. SU006-14. SAMPLE S SU007-5 SU007-8	0.000074 0.000074 0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023 0.000974 2116 � 9Ma 0.000024 0.000138 0.000039	100 32 45 71 12 32 100 71 26 58 11 22 71 30 33	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131 0.1444 0.1471 0.1293 0.1316 0.1317	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48 0.52 1.05 0.83 0.84 0.49	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09 0.159 0.123 0.003 0.136 0.291	1.2 0.9 1.5 1.5 1.9 1.1 1.6 1.5 1.3 1.4 2.8 3.9 6.56 1.02 1.35	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775 0.644 0.704 0.813 0.697 0.794	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3 3.4 2.4 1.4 3.2 2.4
SU006-9 SU006-10 SU006-12. SU006-12. SU006-13 SU006-13. SU006-14 Inherited SU006-14. SU006-14. SU006-14. SU007-5 SU007-8 SU007-8.1 SU007-8.1	0.000074 0.000074 0.000061 -0.000025 0.000076 0.000011 -0.000022 0.000188 -0.000023 0.00093 0.000974 2116 � 9Ma 0.000024 0.000039 0.000039 0.000039 0.000039 0.000011	100 32 45 71 12 32 100 71 26 58 11 22 71 30 33 45	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131 0.1444 0.1471 0.1293 0.1316 0.1317 0.1302	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48 0.52 1.05 0.83 0.84 0.49 0.35	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09 0.159 0.123 0.003 0.136 0.291 0.094	$ \begin{array}{c} 1.2\\ 0.9\\ 1.5\\ 1.5\\ 1.9\\ 1.1\\ 1.6\\ 1.5\\ 1.3\\ 1.4\\ 2.8\\ 3.9\\ 6.56\\ 1.02\\ 1.35\\ 0.5\\ \end{array} $	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775 0.644 0.704 0.813 0.697 0.794 0.873	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3 3.4 2.4 1.4 3.2 2.4
SU006-9 SU006-10 SU006-11.' SU006-12.' SU006-13 SU006-13.' SU006-14 Inherited SU006-14.' SAMPLE S SU007-5 SU007-8 SU007-8.1 SU007-9 SU007-10	0.000074 0.000074 0.000053 0.000076 0.000076 0.000011 -0.000022 0.000188 -0.000023 0.00093 0.000974 2116 � 9Ma 0.000024 0.000039 0.000039 0.000011 0.000022	100 32 45 71 12 32 100 71 26 58 11 22 71 30 33 45 100	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131 0.1444 0.1471 0.1293 0.1316 0.1317 0.1303 0.1303 0.1307	0.5 0.47 0.6 0.96 0.47 0.63 0.57 0.62 0.48 0.52 1.05 0.83 0.84 0.49 0.35 0.62	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09 0.159 0.123 0.003 0.136 0.291 0.094 0.058	$ \begin{array}{c} 1.2\\ 0.9\\ 1.5\\ 1.5\\ 1.9\\ 1.1\\ 1.6\\ 1.5\\ 1.3\\ 1.4\\ 2.8\\ 3.9\\ 6.56\\ 1.02\\ 1.35\\ 0.5\\ 0.5\\ 0.67\\ \end{array} $	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775 0.644 0.704 0.813 0.697 0.794 0.873 0.801	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3 3.4 2.4 1.4 3.2 2.4 1.9 2.2
SU006-9 SU006-10 SU006-11.' SU006-12 SU006-13 SU006-13.' SU006-14 Inherited SU006-14.' SAMPLE S SU007-5 SU007-8 SU007-8.1 SU007-9 SU007-10 SU007-10	0.000074 0.000074 0.000025 0.00053 0.000076 0.000011 -0.000022 0.000188 -0.000023 0.00093 0.000974 2116 � 9Ma 0.000024 0.000024 0.000138 0.000039 0.000011 -0.000002	100 32 45 71 12 32 100 71 26 58 11 22 71 30 33 45 100	0.1298 0.1315 0.1303 0.1317 0.139 0.1314 0.13 0.1292 0.13 0.131 0.1444 0.1471 0.1293 0.1316 0.1317 0.1303 0.1307 0.1321	0.5 0.47 0.6 0.61 0.96 0.47 0.63 0.57 0.62 0.48 0.52 1.05 0.83 0.84 0.49 0.35 0.62 0.62	0.132 0.19 0.12 0.127 0.193 0.135 0.114 0.108 0.17 0.09 0.159 0.123 0.003 0.136 0.291 0.094 0.058 0.072	$ \begin{array}{c} 1.2\\ 0.9\\ 1.5\\ 1.5\\ 1.9\\ 1.1\\ 1.6\\ 1.5\\ 1.3\\ 1.4\\ 2.8\\ 3.9\\ 6.56\\ 1.02\\ 1.35\\ 0.5\\ 0.67\\ 1.06\\ \end{array} $	0.792 0.744 0.718 0.696 0.706 0.697 0.727 0.761 0.683 0.775 0.644 0.704 0.813 0.697 0.794 0.873 0.801 0.700	2.7 2 1.8 2.4 2.6 2.2 2.2 1.3 4.2 2.3 3.4 2.4 1.4 3.2 2.4 1.9 2.2 2.2

SU007-16	0.00003	50	0.129	0.65	0.161	0.72	0.756	3.1
Inherited								
SU007-1	0.000148	18	0.1347	0.51	0.166	1.54	0.805	2.4
SU007-3	0.000127	20	0.1338	0.53	0.115	1.14	0.841	2.7
SU007-3.1	-0.000059	50	0.1343	0.9	0.146	1.06	0.778	2.4
SU007-4.1	-0.000026	58	0.1327	0.7	0.145	0.81	0.771	2.7
SU007-7	0.000146	18	0.1337	0.46	0.044	3.47	0.767	3.8
SU007-12.1	0.000208	14	0.1346	0.41	0.028	2.24	0.879	1.1
SU007-14	-0.000023	71	0.1317	0.81	0.138	0.97	0.758	3.2
SU007-15	0.000009	71	0.1325	0.54	0.211	0.75	0.85	1
SU007-13.'	0.000009	71	0.1326	0.51	0.17	0.62	0.755	3.8
SU007-18.'	0.000287	20	0.1489	0.76	0.076	1.3	0.84	2.5
Rejected								
SU007-2	0.000134	21	0.1301	0.59	0.079	0.93	0.552	3.5
SU007-4	0.000255	26	0.1293	1.55	0.099	11	0.523	5.4
SU007-6	0.000009	41	0.1283	0.3	0.107	0.44	0.787	5
SU007-11	0.000622	8	0.1176	7.7	0.185	11	0.562	8.1
SU007-15.I	0.000017	58	0.1305	0.57	0.091	1.76	0.655	5.1
SU007-17	0.000028	41	0.1307	0.52	0.057	0.96	0.592	3.9
SU007-17.	0.000218	24	0.1345	0.81	0.225	1.57	0.789	2.9
SU007-18	0.000013	100	0.1313	0.85	0.143	0.99	0.775	2.6
SU007-19	0.00013	26	0.134	0.69	0.133	0.86	0.698	3.7
SU007-20	0.000019	71	0.1285	0.82	0.121	0.94	0.705	3.5
SAMPLE S	2094 <b>�</b> 4Ma							
SU012-2	0.00003	71	0.1303	0.76	0.43	1.07	0.745	2
SU012-5	0.000015	100	0.1294	0.7	0.064	2.81	0.754	2.5
SU012-6	0.000214	22	0.1321	0.57	0.048	1.53	0.647	2.3
SU012-7	0.000069	26	0.1304	0.38	0.102	0.71	0.727	2.5
SU012-8	0.000044	71	0.1289	0.83	0.375	0.86	0.681	2.9
SU012-9	0.000107	17	0.1316	0.3	0.222	0.61	0.68	3.4
SU012-10	0.000097	19	0.1311	0.33	0.199	0.45	0.712	3.2
SU012-11	0.000024	50	0.1296	0.43	0.222	0.56	0.756	1.8
SU012-12	0		0.1298	0.57	0.175	0.82	0.745	2.6
SU012-13	0.000016	100	0.1297	0.71	0.024	2.66	0.7	2.7
SU012-15	-0.000066	50	0.13	0.72	0.089	1.44	0.717	2.5
SU012-16	-0.000003	100	0.1294	0.31	0.133	0.83	0.689	2.5
SU012-17	-0.000004	100	0.1297	0.34	0.116	0.6	0.726	3.3
SU012-18	0.000107	17	0.1315	0.29	0.125	0.86	0.683	3.6
SU012-19	0.000055	35	0.1311	0.47	0.422	0.46	0.697	3.2
SU012-20	0.000017	71	0.1289	0.53	0.187	1.62	0.711	1.9
Rejected							••••	
SU012-1	0.001578	11	0.1781	1.42	0.27	3.65	0.712	2.8
SU012-3	0.000536	26	0.1423	2.15	0.507	1.05	0.669	2.8
SU012-4	0.00141	15	0.1617	2.25	0.375	3.39	0.735	0.8
SU012-14	0		0.1339	0.89	0.256	1.11	0.565	1.5
SAMPLE S	2098 <b>�</b> 4Ma							
SU015-1	0.000017	35	0.1303	0.25	0.138	0.6	0.799	3.7
SU015-2	0.000114	19	0.1316	0.31	0.162	0.8	0.804	3.8
SU015-2.1	0.000291	11	0.1339	0.3	0.175	1.1	0.769	2.6
SU015-3	-0.00001	58	0.1297	0.31	0.139	0.7	0.755	2
SU015-5	0.000041	28	0.1299	0.31	0.045	3.9	0.773	1.7
SU015-6	0.000077	18	0.1304	0.24	0.125	0.6	0.789	2.4

SU015-7	0.000111	19	0.1309	0.53	0.145	0.8	0.737	2.8
SU015-8	0.000055	20	0.1309	0.23	0.156	0.5	0.814	3.3
SU015-10	0.00009	21	0.1303	0.3	0.121	0.7	0.87	3.5
SU015-10.1	-0.000008	71	0.1297	0.36	0.128	0.9	0.736	2.7
SU015-11	0.000166	21	0.1326	0.47	0.16	1	0.742	3.3
SU015-11.1	0.000015	58	0.1305	0.39	0.202	0.8	0.74	2.1
SU015-13	0.00009	27	0.1319	0.44	0.15	1.8	0.658	3.1
SU015-14	0.000136	23	0.132	0.46	0.133	1.1	0.745	2.5
SU015-15	0.00008	29	0.1308	0.44	0.142	1	0.75	1.3
SU015-17	0.000021	50	0.1305	0.4	0.153	0.9	0.813	1.9
SU015-18	0.000014	71	0.1304	0.46	0.161	1	0.813	2.9
SU015-19	-0.000019	58	0.1316	0.43	0.153	1	0.79	2.5
SU015-20	0.000033	32	0.1305	0.31	0.154	0.7	0.715	3.4
SU015-21	0.000205	21	0.1331	0.42	0.135	1.8	0.756	3
SU015-22	0.000584	8	0.1385	0.76	0.18	0.7	0.784	3.2
Rejected								
SU015-4	0.000844	7	0.144	0.33	0.199	0.7	0.737	1.8
SU015-8.1	0.00069	14	0.1386	0.83	0.223	1.2	0.795	3.7
SU015-9	0.000492	9	0.1372	0.27	0.136	0.7	0.683	2.9
SU015-12	0.001877	5	0.1575	1.23	0.257	2.6	0.792	3.4
SU015-16	0.000382	5	0.1369	0.37	0.141	0.4	0.888	1.3
SU015-3.1	0.000531	14	0.1406	1.05	0.195	4	0.69	2.6
SU015-4.1	0.000349	25	0.1362	1.08	0.201	1.8	0.699	3.7
SAMPLE S	2102 <b>�</b> 7Ma				••			
SU016-1	0.000228	21	0.1331	0.45	0.171	1.12	0.789	1.2
SU016-2	0.000085	38	0.1305	0.62	0.15	0.96	0.782	1
SU016-3	0.000034	71	0.1308	0.74	0.139	1.2	0.783	1.6
SU016-4	0.000306	38	0.1351	0.92	0.165	1.76	0.9	2.3
SU016-5	-0.000018	100	0.1321	0.75	0.164	1.89	0.923	1.6
SU016-6	0.00017	26	0.1343	0.59	0.184	0.85	0.87	2.2
SU016-7	0.000337	18	0.1355	0.58	0.161	0.89	0.825	2.8
SU016-8	-0.000015	95	0.1305	0.64	0.149	1	0.784	1.2
SU016-9	0.000296	18	0.133	0.56	0.178	0.81	0.788	2.2
SU016-10	0.000678	12	0.1424	0.45	0.208	1.06	0.778	2
SU016-11	0.000376	16	0.134	0.44	0.21	1.41	0.797	1.5
SU016-12	0.000163	17	0.131	0.34	0.067	1.27	0.869	0.3
SU016-13	0.00001	100	0.1305	0.56	0.2	0.77	0.826	1.7
SU016-14	0		0.1314	0.57	0.203	0.78	0.82	1.4
SU016-16	0.000254	18	0.134	0.8	0.072	1.14	0.722	1.7
SU016-17	-0.000016	71	0.1311	0.88	0.176	0.81	0.793	1.1
SU016-18	0.000478	16	0.1383	1.32	0.23	0.72	0.843	1.9
SU016-19	0		0.1298	0.37	0.032	2.12	0.976	0.7
SU016-20	0 000222	22	0 1313	0.58	0.16	0.87	0 768	14
SU016-21	0.000141	29	0.1314	0.94	0.152	0.94	0.837	1.8
SU016-22	0.00005	45	0.1314	0.56	0.139	0.91	0.869	1.3
Rejected				0100		0101		
SU016-15	0 000132	20	0 1291	0 41	0.063	12	0 735	25
SU019	No Age		011201	0	0.000		0.1.00	2.0
SU019-14	-0.000079	45	0.1289	0.71	0.155	1.09	0.836	2
SU019-9	0.000209	21	0.1336	0.54	0.195	1,61	0.898	2.8
SU019-12	0.000271	13	0.1352	0.34	0.178	0,49	1.094	1.6
SU019-13	0.00002	71	0.1341	0.55	0.167	0.83	0.884	1.7
-								

SU019-4	0.000067	71 58	0.1367 0.1354	1.01	0.122	1.77 1.26	1.041	1.6 1 0
Peiected	-0.000071	50	0.1004	0.05	0.175	1.20	0.301	1.5
	0 00003	30	0 1206	0.54	0 123	0.02	0 731	0.5
SU019-5	0.000033	20	0.1230	0.34	0.120	1 76	0.731	23
SU019-1	0.000017	20 17	0.1373	1.04	0.109	0.99	0.077	2.5
SU019-0	0.00013	0	0.1020	1.04	0.040	0.99	0.332	2.J 1 1
SU019-0	0.001244	11	0.1400	1.12	0.279	0.90	0.795	-+.1 2
SU019-2 SU010 11	0.000920	150	0.1440	1.15	0.101	0.00	0.500	10
SU019-11	0.0000000	10	0.1334	1.14	0.104	1.11	0.795	1.3
SU019-7	0.001104	10	0.1407	0.77	0.25	1.20	0.745	1.7
SUU19-3	0.000500	19	0.142	0.77	0.149	1.25	0.315	1.0
SU_020	0 000106	15	0 12/2	0 00	0.14	0.2	0.97	4
SU020-17	0.000190	15	0.1343	0.00	0.14	0.5	0.07	4
	0.001020	6	0 1010	1.00	0.00	1 7	0.10	6.6
SU020-15	0.001029	5	0.1212	1.02	0.09	1.7	0.12	0.0 5.2
SU020-13	0.001342	о 0	0.1100	4.95	0.07	0.3	0.17	5.5 4 7
SU020-5	0.00161	0	0.120	2.04	0.08	4.3	0.22	4.7
50020-1	0.000085	14	0.1047	3.59	0.01	8.3	0.30	4.7
50020-22	0.004909	2	0.1831	1.41	0.2	2.2	0.24	5.Z
50020-9	0.000432	3	0.13	0.46	0.04	0.9	1.61	3.5
SU020-11	0.000588	10	0.1335	0.55	0.08	2.4	0.58	4.1
50020-21	0.000095	9	0.1287	0.8	0.01	2.2	0.96	5.8
50020-7	0.001905	5	0.1527	0.57	0.09	3.3	0.24	7.0
SU020-18	0.000197	1	0.1301	1.2	0.01	4.3	0.73	2.2
50020-19	0.000665	5	0.137	4.15	0.05	5.9	0.75	8.7
SU020-12	0.002357	14	0.1606	14	0.16	26.9	0.26	16.4
SU020-10	0.000256	13	0.1343	0.55	0.25	1.5	0.61	3.2
SU020-4	0.000261	17	0.135	0.41	0.11	0.7	0.86	2
SU020-16	0.000838	15	0.1444	0.63	0.13	1.1	0.28	5.6
SU020-14	0.000455	14	0.1395	1.07	0.15	2	0.61	1.6
SU020-20	0.000827	11	0.145	0.52	0.15	0.8	0.34	1.5
SAMPLE S	2085 <b>(</b> ) / Ma	4.5	0 4007		0.404	4.00	0 500	4.05
SU021-2	0.000287	15	0.1327	0.44	0.104	1.26	0.599	1.25
SU021-3	0.000172	35	0.1292	0.82	0.391	0.84	0.666	0.66
SU021-4	0.00018	38	0.129	0.9	0.257	1.09	0.583	0.68
SU021-6	0.000413	14	0.1346	0.45	0.301	0.52	0.449	0.32
SU021-7	0		0.1291	0.24	0.18	0.59	0.64	0.19
SU021-109	0.000342	15	0.1348	0.43	0.159	0.66	0.596	0.75
SU021-12	0.000014	38	0.1288	0.25	0.169	0.37	0.597	0.19
SU021-14	0.000025	100	0.129	0.9	0.269	1.06	0.623	0.69
SU021-18	0.000041	58	0.1296	0.66	0.267	0.79	0.623	0.51
SU021-16	0.000565	12	0.1385	0.47	0.16	0.72	0.65	0.38
SU021-19	0.00042	25	0.137	0.42	0.158	1.05	0.746	0.68
Inherited		<b>-</b> .						
SU021-5	0.000093	24	0.1351	0.4	0.098	0.77	0.669	0.8
SU021-11	0.000024	35	0.1346	0.3	0.149	0.78	0.625	0.24
SU021-13	0.000268	19	0.1409	0.45	0.109	0.84	0.694	0.37
Rejected								
SU021-1	0.000736	17	0.1368	0.75	0.241	0.96	0.681	0.61
SU021-8	0.00073	9	0.1355	0.39	0.214	0.53	0.458	0.44
SU021-9	0.001025	4	0.1449	0.44	0.159	0.87	1.281	1.56
SU021-15	0.000088	10	0.1317	0.15	0.065	0.35	1.05	0.74

SU021-17	0.000303	12	0.134	0.35	0.189	0.5	0.734	0.96
SAMPLE S	2097 <b>(</b> ) 13Ma							
SU022-15	0.000026	71	0.1305	0.64	0.206	0.86	0.647	1.6
SU022-4	0.00004	41	0.1302	0.93	0.129	1.6	0.645	2.4
Inherited								
SU022-8	0.000032	35	0.1332	0.35	0.095	0.69	0.699	1.6
SU022-19	0.000029	33	0.1323	0.32	0.142	0.51	0.754	2.9
SU022-16	0.00004	41	0.1317	0.45	0.177	0.66	0.667	1.9
SU022-12	0.000056	27	0.132	0.35	0.195	0.49	0.703	1.9
SU022-6	0.000011	100	0.1319	0.59	0.178	1.43	0.63	2.3
SU022-1	0.000021	100	0.1347	0.81	0.107	1.52	0.706	2.1
SU022-3	0.000032	50	0.1341	0.5	0.248	0.62	0.704	2.6
SU022-5	0.000067	41	0.1346	0.59	0.135	0.97	0.668	1.2
SU022-7	0.00003	71	0.1359	0.68	0.166	1.03	0.689	2.6
SU022-10	0.000192	26	0.1395	1.42	0.167	1.63	0.599	4.2
SU022-11	0.00004	29	0 1356	0.32	0 127	0.54	0 779	27
Rejected	0.00001	20	0.1000	0.02	0.127	0.01	0.170	2.7
SU022-2	0 000047	27	0 1341	0.77	0 185	1 74	0 825	32
SU022-2	0.000047	10	0.1325	0.86	0.165	0.75	0.020	2.2
SU022-14 SU022-17	0.000250	25	0.1323	0.00	0.101	0.75	0.403	2.0
	0.000207	25	0.1401	0.09	0.209	0.95	0.551	3.2
SAIVIFLE 3		100	0 1 2 7 0	0.2	0.004	0.0	0 672	4.0
50023-4.1	0.000003	100	0.1279	0.3	0.094	0.9	0.073	4.0
50023-12	0.000023	100	0.1292	0.45	0.126		0.624	4.0
SU023-2	0.000007	100	0.1291	0.46	0.072	1.5	0.65	4.9
SU023-6.1	0.00003	45	0.1304	0.41	0.215	0.8	0.653	4.8
SU023-23	0.000035	35	0.1307	0.35	0.088	2.7	0.72	2.9
SU023-2.1	0.000003	100	0.1303	0.28	0.065	6.3	0.66	4.9
Inherited								
SU023-19.1	0.000008	58	0.1315	0.28	0.169	1.1	0.695	4.3
SU023-14	0.000057	32	0.1327	0.4	0.089	1.2	0.689	3.5
SU023-11	0.000063	58	0.1328	0.76	0.213	1.5	0.691	4
SU023-1	-0.000078	58	0.1314	0.86	0.157	1.9	0.675	4.7
SU023-13.1	0.000404	15	0.138	0.43	0.199	1.5	0.68	5.1
SU023-9	0.000163	33	0.1368	0.71	0.221	3.5	0.659	5.4
SU023-17	0.000432	18	0.1404	0.54	0.243	1	0.695	4.3
SU023-10.1	0.000316	15	0.1395	0.25	0.23	1.1	0.668	5.2
Rejected								
SU023-13	0.000538	9	0.1222	1.89	0.057	4.5	0.364	7.8
SU023-21	0.000111	20	0.1197	2.43	0.017	5.6	0.34	9.6
SU023-7	0.000731	13	0.1368	0.81	0.051	6.6	0.555	6.1
SU023-16	0.002426	6	0.1603	2.7	0.159	4.8	0.544	3.5
SU023-4	-0.00001	71	0.1283	0.39	0.069	1.3	0.608	5.2
SU023-6	0.000097	21	0.1302	0.85	0.04	4.9	0.666	4.1
SU023-5	0.000063	22	0.1308	1.14	0.029	4.5	0.625	4.9
SU023-24	0.000531	9	0.1386	0.32	0.071	2.8	0.633	3.9
SU023-23.1	0.000188	18	0.1342	0.42	0.217	0.8	0.606	4.1
SU023-8	0.001727	6	0 1549	0.92	0.219	0.8	0.348	7.3
SU023-25	0 000947	10	0 1452	0.46	0 111	1.3	0.536	4.3
SU023-20	0 001772	4	0.1561	0.55	0 162	1.0	0.000	ч.5 Q 2
SU023-15	0.002816	т Л	0.1600	0.00	0.102	0.4	0.403	5.2
SU 1023-13	0.002010	7	0.1033	0.10	0.170	17	0.009	67
SU1023-12.	0.000000	6	0.1-07	2 21	0.102	1. <i>1</i> 2./	0.019	5.1
00020-10	0.001+12	0	0.1021	2.01	0.132	J. <del>4</del>	0.00	J. I

SU023.7.1         0.000849         14         0.1446         0.274         1         0.689         3.4           SU023.19         0.003494         3         0.1836         0.25         0.214         0.6         0.501         4.7           SM02E S 2114         11M         0.130         0.57         0.285         0.67         0.622         3.3           SU029-15         0.000062         71         0.13         0.172         0.144         1.17         0.553         3.6           SU029-20         0.00014         33         0.1325         0.699         0.191         0.97         0.635         1.4           SU029-20         0.000087         38         0.1333         0.54         0.21         0.73         0.533         2.8           SU029-31         0.000073         8         0.1333         0.54         0.21         0.73         0.533         2.8           SU029-30         0.000071         19         0.1348         0.29         0.167         0.45         0.621         2.8           SU029-7         0.0001         20         0.1363         0.47         0.286         0.85         0.666         0.8           SU029-10         0.000185	SU023-3	0.000629	11	0.1431	1.11	0.136	1.8	0.65	5.9
SU022-19         0.003494         3         0.1836         0.25         0.214         0.6         0.501         4.7           SAMPLE S2114         0.1000022         71         0.13         0.57         0.285         0.67         0.622         3.3           SU029-16         0.000033         24         0.1309         0.63         0.475         0.53         0.694         2.2           SU029-17         0.00014         33         0.1325         0.69         0.191         0.97         0.635         2.7           SU029-20         0         -         0.1314         1.01         0.114         0.96         0.622         2.8           SU029-13         0.000067         38         0.1333         0.54         0.21         0.73         0.593         2.8           SU029-10         0.00007         19         0.1348         0.29         0.167         0.45         0.621         2.8           SU029-3         0.000047         19         0.1343         0.29         0.167         0.45         0.621         2.9           SU029-4         0.00018         20         0.1377         0.207         0.51         0.622         3.3           SU029-19 <t< td=""><td>SU023-7.1</td><td>0.000689</td><td>14</td><td>0.1446</td><td>0.54</td><td>0.274</td><td>1</td><td>0.689</td><td>3.4</td></t<>	SU023-7.1	0.000689	14	0.1446	0.54	0.274	1	0.689	3.4
SAMPLE S 2114  11Ma SU029-10 0.00022 71 0.13 0.57 0.285 0.67 0.622 3.3 SU029-16 0.000143 35 0.1321 0.73 0.144 1.17 0.556 2.8 SU029-17 0.00014 33 0.1325 0.69 0.191 0.97 0.635 2.7 SU029-23 0.00058 50 0.1314 1.3 0.146 1.07 0.553 3.6 SU029-13 0.00028 41 0.1313 0.37 0.263 0.45 0.635 1.4 SU029-13 0.00028 41 0.1313 0.37 0.263 0.45 0.635 1.4 SU029-13 0.00028 41 0.1313 0.37 0.263 0.45 0.635 1.4 SU029-13 0.00007 38 0.1331 0.54 0.21 0.73 0.593 2.8 SU029-13 0.00007 18 0.1341 0.3 0.161 0.98 0.651 3.1 SU029-3 0.000044 26 0.1341 0.3 0.181 0.98 0.651 3.1 SU029-3 0.000044 26 0.1341 0.3 0.181 0.98 0.651 3.1 SU029-4 0.000165 20 0.1363 0.47 0.236 0.85 0.66 0.88 SU029-6 0.000165 20 0.1363 0.47 0.236 0.85 0.66 0.88 SU029-19 0.000165 20 0.1365 0.93 0.172 1.41 0.642 3.3 SU029-19 0.00019 58 0.1365 0.93 0.172 1.41 0.642 3.3 SU029-19 0.00019 45 0.1306 0.48 0.188 1.17 0.548 2.5 SU029-2 0.000037 15 0.1306 0.48 0.188 1.17 0.548 2.5 SU029-2 0.000137 15 0.1344 0.01 1.88 1.17 0.548 2.5 SU029-2 0.000137 15 0.1345 0.044 0.188 1.17 0.548 2.5 SU029-2 0.000137 15 0.1346 1.01 0.189 1.37 0.337 2.6 SU029-12 0.000357 15 0.1345 0.14 0.19 0.433 3.4 SU029-2 0.000138 20 0.1351 0.7 0.119 2.55 0.453 3.1 SU029-2 0.00013 68 0.1391 0.84 0.072 5.2 4.3 SU029-4 0.00013 68 0.1391 0.84 0.277 0.44 0.784 2.4 SU029-4 0.00013 68 0.1391 0.84 0.277 0.44 0.784 2.4 SU029-4 0.00013 68 0.1391 0.84 0.277 0.44 0.784 2.4 SU034-1 0.000013 71 0.130 0.54 0.249 0.49 0.777 2.9 SU034-4 0.000013 26 0.1301 0.44 0.217 0.89 0.777 2.9 SU034-4 0.000013 26 0.1301 0.45 0.249 0.49 0.773 4.9 SU034-1 0.000017 71 0.13 0.54 0.249 0.49 0.773 2.9 SU034-1 0.000017 71 0.13 0.54 0.249 0.49 0.773 2.9 SU034-1 0.000017 71 0.13 0.54 0.249 0.49 0.773 2.9 SU034-1 0.000013 26 0.1305 0.42 0.41 0.78 0.788 3.7 SU034-1 0.000013 26 0.1305 0.42 0.41 0.73 0.79 2.9 SU034-4 0.000022 67 17 0.1331 1.24 0.132 0.71 0.737 4.9 SU034-5 0.000013 10 0.133 0.55 0.217 0.44 0.788 3.7 SU034-1 0.000013 26 0.1298 0.62 0.241 0.56 0.804 1.8 SU034-13 0.00003 100 0.133 0.59 0.176 0.4 0.768 2.6 SU03	SU023-19	0.003494	3	0.1836	0.25	0.214	0.6	0.501	4.7
SU022-10         0.000022         71         0.13         0.67         0.285         0.67         0.622         3.3           SU029-15         0.000063         24         0.1309         0.63         0.475         0.53         0.694         2.2           SU029-16         0.000144         35         0.1325         0.69         0.191         0.97         0.635         2.7           SU029-2         0          0.1314         1.3         0.146         1.07         0.553         3.6           SU029-2         0          0.1314         1.01         0.114         0.96         0.62         2.8           SU029-2         0.000067         86         0.1333         0.54         0.21         0.73         0.593         2.8           SU029-11         0.000047         26         0.1371         0.53         0.153         0.85         0.614         3.2           SU029-20         0.000047         19         0.1348         0.29         0.167         0.45         0.621         2.8           SU029-10         0.000165         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-14	SAMPLE S	2114� 11Ma							
SU029-15         0.000063         24         0.1309         0.63         0.475         0.53         0.694         2.2           SU029-17         0.000143         35         0.1321         0.73         0.144         1.17         0.556         2.8           SU029-17         0.00018         50         0.1314         1.3         0.146         1.07         0.553         3.6           SU029-13         0.000028         41         0.1313         0.37         0.263         0.45         0.635         1.4           SU029-13         0.000067         38         0.1333         0.54         0.21         0.73         0.593         2.8           SU029-3         0.000067         18         0.137         0.53         0.153         0.85         0.611         3.1           SU029-4         0.00014         26         0.1377         0.37         0.262         0.85         0.661         3.9           SU029-4         0.000165         20         0.1377         0.37         0.27         0.41         0.623         3.7           SU029-10         0.00018         25         0.1325         0.61         0.16         1.51         0.52         2.4           S	SU029-10	0.000022	71	0.13	0.57	0.285	0.67	0.622	3.3
SU029-16         0.000143         35         0.1321         0.73         0.144         1.17         0.556         2.8           SU029-17         0.000158         50         0.1314         1.3         0.146         1.07         0.553         3.6           SU029-23         0.000058         50         0.1314         1.01         0.1144         0.96         0.62         2.8           SU029-23         0.000067         38         0.1333         0.54         0.21         0.73         0.593         2.8           SU029-3         0.00007         18         0.137         0.53         0.153         0.85         0.661         3.1           SU029-3         0.000044         26         0.1341         0.3         0.181         0.98         0.6651         3.1           SU029-3         0.000165         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-4         0.000165         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-9         0.00018         19         0.1385         0.93         0.172         1.41         0.642         3.3 <t< td=""><td>SU029-15</td><td>0.000063</td><td>24</td><td>0.1309</td><td>0.63</td><td>0.475</td><td>0.53</td><td>0.694</td><td>2.2</td></t<>	SU029-15	0.000063	24	0.1309	0.63	0.475	0.53	0.694	2.2
SU029-17         0.00014         33         0.1325         0.69         0.191         0.97         0.635         2.7           SU029-2         0          0.1314         1.01         0.146         1.07         0.553         3.8           SU029-13         -0.00028         41         0.1313         0.37         0.263         0.45         0.635         1.4           SU029-11         0.00007         38         0.1333         0.54         0.21         0.73         0.593         2.8           SU029-11         0.00013         18         0.137         0.53         0.167         0.45         0.661         3.1           SU029-2         0.00014         26         0.1341         0.3         0.181         0.98         0.651         3.1           SU029-7         0.00012         0.1338         0.47         0.236         0.85         0.66         0.8           SU029-1         0.00018         19         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-1         0.00019         58         0.1325         0.61         0.16         1.51         0.52         2.4           SU029-4         0.000019	SU029-16	0.000143	35	0.1321	0.73	0.144	1.17	0.556	2.8
SU029-23         0.000058         50         0.1314         1.3         0.146         1.07         0.553         3.6           SU029-2         0         0         1.313         0.37         0.263         0.45         0.632         2.8           SU029-12         0.000067         38         0.1333         0.54         0.21         0.73         0.593         2.8           SU029-11         0.00007         38         0.1341         0.3         0.181         0.98         0.6651         3.1           SU029-3         0.000044         26         0.1341         0.3         0.181         0.98         0.6651         3.1           SU029-20         0.000165         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-10         0.001189         19         0.1383         0.47         0.236         0.85         0.66         0.8           SU029-10         0.00018         19         0.1385         0.93         0.172         1.41         0.642         3.3           SU029-10         0.00018         25         0.1325         0.61         0.16         1.51         0.542         2.4           SU029-	SU029-17	0.00014	33	0.1325	0.69	0.191	0.97	0.635	2.7
SU029-2         0          0.1314         1.01         0.114         0.96         0.62         2.8           SU029-13         -0.000028         41         0.1313         0.37         0.263         0.45         0.635         1.4           SU029-11         0.0000313         18         0.1333         0.54         0.21         0.73         0.533         2.8           SU029-11         0.000097         19         0.1344         0.3         0.181         0.98         0.661         3.1           SU029-20         0.000097         19         0.1363         0.47         0.236         0.85         0.661         2.9           SU029-1         0.000165         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-1         0.00018         19         0.1385         0.93         0.172         1.41         0.642         3.3           SU029-19         0.00009         58         0.1325         0.61         0.16         1.51         0.52         2.4           SU029-19         0.0000357         15         0.1334         0.53         0.279         0.64         0.458         2.7           SU	SU029-23	0.000058	50	0.1314	1.3	0.146	1.07	0.553	3.6
SU029-13         -0.000028         41         0.1313         0.37         0.263         0.45         0.635         1.4           SU029-12         0.000067         38         0.1333         0.54         0.21         0.73         0.593         2.8           SU029-31         0.000313         18         0.137         0.53         0.181         0.98         0.661         3.2           Inherited          0.000044         26         0.1341         0.3         0.181         0.98         0.661         3.1           SU029-3         0.000145         20         0.1363         0.47         0.236         0.85         0.66         0.8           SU029-7         0.000185         20         0.1377         0.37         0.207         0.51         0.621         2.8           SU029-19         0.000185         20         0.1385         0.93         0.172         1.41         0.642         3.3           SU029-14         0.000198         25         0.1325         0.61         0.16         1.51         0.52         2.4           SU029-4         0.00039         45         0.1306         0.48         0.188         1.17         0.53         2.1	SU029-2	0		0.1314	1.01	0.114	0.96	0.62	2.8
SU029-22         0.000067         38         0.1333         0.54         0.21         0.73         0.593         2.8           SU029-11         0.0000313         18         0.137         0.53         0.153         0.85         0.614         3.2           Inherited         1         0.3000097         19         0.1348         0.29         0.167         0.45         0.621         2.8           SU029-20         0.000165         20         0.1377         0.37         0.236         0.85         0.66         0.8           SU029-6         0.000185         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-1         0.000189         19         0.1398         1.01         0.1         0.78         0.663         3.7           Rejected         SU029-10         0.000185         1.036         0.48         0.188         1.17         0.548         2.7           SU029-11         0.000357         15         0.1348         1.01         0.189         1.37         0.337         2.6           SU029-12         0.00018         32         0.1351         0.77         0.119         2.55         0.453         3.1	SU029-13	-0.000028	41	0.1313	0.37	0.263	0.45	0.635	1.4
SU029-11         0.000113         18         0.137         0.53         0.153         0.85         0.614         3.2           Inherited         SU029-3         0.00004         26         0.1341         0.3         0.167         0.45         0.621         2.8           SU029-7         0.0001         20         0.1363         0.47         0.236         0.85         0.661         3.1           SU029-7         0.000165         20         0.1377         0.37         0.207         0.51         0.621         2.8           SU029-1         0.000185         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-1         0.000198         19         0.1386         0.93         0.172         1.41         0.642         3.3           SU029-9         0.000188         25         0.1325         0.61         0.16         1.51         0.542         2.4           SU029-10         0.000357         15         0.1348         1.01         0.189         1.37         0.332         5.4           SU029-12         0.00018         32         0.1351         0.79         0.64         0.458         2.7 <t< td=""><td>SU029-22</td><td>0.000067</td><td>38</td><td>0.1333</td><td>0.54</td><td>0.21</td><td>0.73</td><td>0.593</td><td>2.8</td></t<>	SU029-22	0.000067	38	0.1333	0.54	0.21	0.73	0.593	2.8
Subsection         Subsect	SU029-11	0.000313	18	0 137	0.53	0 153	0.85	0.614	3.2
SU0293         0.000044         26         0.1341         0.3         0.181         0.98         0.651         3.1           SU029-20         0.000197         19         0.1348         0.29         0.167         0.45         0.621         2.8           SU029-7         0.000165         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-1         0.000189         19         0.1386         0.93         0.172         1.41         0.642         3.3           SU029-19         0.00004         50         0.1411         0.53         0.14         0.9         0.623         3.7           Rejected          0.1334         0.53         0.279         0.64         0.458         2.7           SU029-1         0.00039         45         0.1306         0.48         0.188         1.17         0.548         2.7           SU029-1         0.000357         15         0.1344         1.01         0.189         1.30         0.33         2.6           SU029-12         0.00013         32         0.1351         0.7         0.119         2.5         0.453         3.1           SU029-24         0.0001	Inherited	0.000010		0.101	0.00	0.100	0.00	0.011	0.2
SU029-20         0.000017         19         0.1348         0.29         0.167         0.45         0.621         2.8           SU029-7         0.0001         20         0.1363         0.47         0.236         0.85         0.661         2.9           SU029-1         0.000165         20         0.1377         0.37         0.207         0.51         0.621         2.9           SU029-1         0.000148         19         0.1385         0.93         0.172         1.41         0.642         3.3           SU029-19         0.00004         50         0.1411         0.53         0.14         0.9         0.623         3.7           Rejected          SU029-14         0.000039         45         0.1306         0.48         0.188         1.17         0.548         2.5           SU029-10         0.00037         15         0.1348         1.01         0.188         1.37         0.337         2.6           SU029-12         0.000138         32         0.1351         0.7         0.119         2.55         0.453         3.1           SU029-24         0.00018         41         0.1309         0.41         0.338         0.322         5.4	SU029-3	0 000044	26	0 1341	0.3	0 181	0.98	0.651	31
SU229-10         O.0001         20         O.1363         O.101         O.1361         O.1391           SU029-10         O.0001185         19         O.1398         I.01         O.1         O.78         O.601         3.9           SU029-19         O.0000185         05         O.1411         O.53         O.14         O.9         O.623         3.7           Rejected         SU029-14         O.000037         15         O.1306         O.48         O.188         1.17         O.548         2.5           SU029-21         O.000357         15         O.1334         O.53         O.279         O.64         0.458         2.7           SU029-12         O.000138         32         O.1351         O.7         O.119         2.55         O.453         3.1           SU029-12         O.000138         32         O.1351         O.7         O.119         2.55         O.453         3.1           SU029-24         O.000169         38         O.1391         O.44         O.780 </td <td>SU029-20</td> <td>0.000097</td> <td>19</td> <td>0.1348</td> <td>0.29</td> <td>0.167</td> <td>0.00</td> <td>0.621</td> <td>2.8</td>	SU029-20	0.000097	19	0.1348	0.29	0.167	0.00	0.621	2.8
SU029-6         0.000165         20         0.1377         0.377         0.200         0.51         0.621         2.9           SU029-19         0.00009         58         0.1365         0.93         0.172         1.41         0.642         3.3           SU029-19         0.00004         50         0.1411         0.53         0.14         0.9         0.623         3.7           Rejected          0.00039         45         0.1325         0.61         0.16         1.51         0.52         2.4           SU029-4         0.00037         15         0.1325         0.61         0.16         1.51         0.52         2.4           SU029-4         0.00037         15         0.1348         1.01         0.189         1.37         0.337         2.6           SU029-8         0.000711         24         0.1409         1.74         0.234         3.09         0.332         5.4           SU029-12         0.000138         32         0.1351         0.70         1.19         2.55         0.453         3.1           SU034-1         0.000018         41         0.1309         0.41         0.338         0.32         0.789         2.8	SU029-20	0.000001	20	0.1340	0.23	0.236	0.45	0.66	0.8
SU029-1         0.000189         19         0.1398         1.01         0.11         0.78         0.601         3.9           SU029-19         -0.00004         50         0.1411         0.53         0.172         1.41         0.642         3.3           SU029-14         0.000198         25         0.1325         0.61         0.16         1.51         0.52         2.4           SU029-4         0.000039         45         0.1306         0.48         0.188         1.17         0.548         2.5           SU029-1         0.000357         15         0.1348         1.01         0.189         1.37         0.337         2.6           SU029-12         0.000357         15         0.1348         1.01         0.189         1.37         0.337         2.6           SU029-12         0.000138         32         0.1351         0.7         0.119         2.55         0.453         3.1           SU029-12         0.000169         38         0.1391         0.84         0.072         5.28         0.38         3.4           SU034-1         0.000018         41         0.1309         0.41         0.332         0.789         2.8           SU034-1	SU1020-6	0.000165	20	0.1303	0.37	0.200	0.00	0.00	2.0
SU029-19         0.000109         15         0.1365         0.91         0.172         1.41         0.642         3.3           SU029-14         0.00004         50         0.1411         0.53         0.172         1.41         0.642         3.3           SU029-14         0.00004         50         0.1411         0.53         0.14         0.9         0.623         3.7           Rejected           0.1306         0.48         0.188         1.17         0.548         2.5           SU029-21         0.000357         15         0.1344         1.01         0.189         1.37         0.337         2.6           SU029-18         0.000222         21         0.1351         0.7         0.119         2.55         0.453         3.1           SU029-12         0.000138         32         0.1351         0.7         0.119         2.55         0.453         3.1           SU029-24         0.00018         41         0.1309         0.41         0.338         0.32         0.789         2.8           SU034-1         0.000018         41         0.1309         0.41         0.338         0.32         0.789         2.8           SU034-4	SU029-0	0.000100	10	0.1308	1.01	0.207	0.31	0.021	2.5
SU029-14         0.00004         50         0.1305         0.53         0.172         1.141         0.92         3.3           Rejected         SU029-9         0.000198         25         0.1325         0.61         0.16         1.51         0.52         2.4           SU029-4         0.000357         15         0.1348         1.01         0.189         1.37         0.337         2.6           SU029-18         0.000222         21         0.1334         0.53         0.279         0.64         0.458         2.7           SU029-12         0.000171         24         0.1409         1.74         0.234         3.09         0.332         5.4           SU029-12         0.00018         32         0.1375         0.64         0.119         1.16         0.48         4.3           SU029-24         0.000169         38         0.1315         0.49         0.257         0.44         0.789         2.8           SU034-1         0.000018         41         0.1301         0.48         0.217         0.89         0.777         2.9           SU034-1         0.000017         50         0.1301         0.48         0.217         0.89         0.773         2.9	SU029-1	0.000109	58	0.1365	0.03	0.1	0.70	0.001	3.3
SU029-14       0.00004       50       0.1411       0.53       0.14       0.53       0.123       0.17         SU029-9       0.000198       25       0.1325       0.61       0.16       1.51       0.52       2.4         SU029-4       0.000357       15       0.1348       1.01       0.189       1.37       0.337       2.6         SU029-18       0.000711       24       0.1409       1.74       0.234       3.09       0.332       5.4         SU029-12       0.000188       32       0.1351       0.7       0.119       2.55       0.453       3.1         SU029-12       0.00018       38       0.1391       0.84       0.072       5.28       0.38       3.4         SU029-5       -0.000029       71       0.1375       0.64       0.119       1.16       0.48       4.3         SU034-1       0.000018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1       0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.000017       50       0.1301       0.48       0.217       0.789       2.6<	SU029-19 SU020-14	-0.00009	50	0.1305	0.93	0.172	0.0	0.042	3.5
Rejected       SU029-9       0.000198       25       0.1325       0.61       0.16       1.51       0.52       2.4         SU029-4       0.000357       15       0.1348       1.01       0.189       1.37       0.337       2.6         SU029-18       0.000222       21       0.1334       0.53       0.279       0.64       0.458       2.7         SU029-12       0.000138       32       0.1351       0.7       0.119       2.55       0.453       3.1         SU029-5       -0.000138       32       0.1375       0.64       0.119       1.16       0.48       4.3         SU034-1       0.00018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1       0.000018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1       0.000013       58       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-2       -0.00017       50       0.1301       0.48       0.217       0.89       0.773       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.7	SU029-14	0.00004	50	0.1411	0.55	0.14	0.9	0.025	5.7
SU029-3       0.000195       25       0.1325       0.011       0.161       0.161       0.151       0.022       2.4         SU029-4       0.000357       15       0.1348       1.01       0.189       1.37       0.337       2.6         SU029-18       0.000222       21       0.1348       1.01       0.189       1.37       0.337       2.6         SU029-40       0.000188       32       0.1351       0.7       0.119       2.55       0.453       3.1         SU029-24       0.000169       38       0.1391       0.84       0.072       5.28       0.38       3.4         SU029-24       0.00018       41       0.1305       0.41       0.338       0.32       0.789       2.8         SU034-1       0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-4       0.000017       50       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-4       0.000017       50       0.1298       0.5       0.242       0.45 </td <td></td> <td>0.000109</td> <td>25</td> <td>0 1225</td> <td>0.61</td> <td>0.16</td> <td>1 5 1</td> <td>0.50</td> <td>2.4</td>		0.000109	25	0 1225	0.61	0.16	1 5 1	0.50	2.4
SU029-4       0.100039       45       0.1306       0.46       0.189       1.17       0.546       2.5         SU029-21       0.000357       15       0.1348       1.01       0.189       1.37       0.337       2.6         SU029-18       0.000711       24       0.1409       1.74       0.234       3.09       0.332       5.4         SU029-12       0.000138       32       0.1351       0.7       0.119       2.55       0.453       3.1         SU029-24       0.000169       38       0.1391       0.84       0.072       5.28       0.38       3.4         SU029-5       -0.00029       71       0.1375       0.64       0.119       1.16       0.48       4.3         SAMPLE S 2098& 7Ma       SU034-1       0.000018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1       0.000017       50       0.1301       0.48       0.217       0.49       0.777       2.9         SU034-2       -0.00017       50       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-5       0.00001       71       0.13       0.59       0.14	SU029-9	0.000196	20	0.1323	0.01	0.10	1.31	0.52	2.4
SU029-11       0.100037       15       0.1346       1.01       0.1637       0.337       2.6         SU029-18       0.000222       21       0.1334       0.53       0.279       0.64       0.458       2.7         SU029-12       0.000138       32       0.1351       0.7       0.119       2.55       0.453       3.1         SU029-24       0.000169       38       0.1391       0.84       0.072       5.28       0.38       3.4         SU029-5       -0.00029       71       0.1375       0.64       0.119       1.16       0.48       4.3         SU034-1       0.00018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1       0.000013       58       0.1315       0.49       0.257       0.44       0.784       2.4         SU034-1       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-5       0.000017       50       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-10       0.000026       17       0.1331       1.23       0.198       0.57       0.789       2.6 <td>50029-4</td> <td>0.000039</td> <td>40</td> <td>0.1300</td> <td>0.40</td> <td>0.100</td> <td>1.17</td> <td>0.340</td> <td>2.0</td>	50029-4	0.000039	40	0.1300	0.40	0.100	1.17	0.340	2.0
SU029-16       0.1000222       21       0.1334       0.53       0.279       0.64       0.486       2.7         SU029-8       0.000711       24       0.1409       1.74       0.234       3.09       0.332       5.4         SU029-12       0.000138       32       0.1351       0.7       0.119       2.55       0.453       3.1         SU029-5       -0.000029       71       0.1375       0.64       0.119       1.16       0.48       4.3         SAMPLE       S2098♠ 7Ma       7Ma         0.257       0.44       0.789       2.8         SU034-1       0.000013       58       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-2       -0.000017       50       0.1301       0.48       0.217       0.89       0.773       2.9         SU034-8       0.00003       26       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-9       0.000226       17       0.1331       1.23       0.198       0.57       0.789       2.6         SU034-10       0.000017       50       0.1298       0.62       0.241       0.56       0.804	50029-21	0.000357	15	0.1340	1.01	0.169	1.37	0.337	2.0
SU029-8       0.000711       24       0.1409       1.74       0.234       3.09       0.332       5.4         SU029-12       0.000138       32       0.1351       0.7       0.119       2.55       0.453       3.1         SU029-24       0.000169       38       0.1391       0.84       0.072       5.28       0.38       3.4         SU029-5       -0.000029       71       0.1375       0.64       0.119       1.16       0.48       4.3         SU034-1       0.000018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1       0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-5       0.000017       71       0.13       0.54       0.249       0.49       0.773       2.9         SU034-10       0.000017       50       0.1298       0.5       0.242       0.45       0.773       2.7         SU034-12       0.000017       50       0.1298       0.62       0.241       0.56       0.804 <td>50029-18</td> <td>0.000222</td> <td>21</td> <td>0.1334</td> <td>0.53</td> <td>0.279</td> <td>0.64</td> <td>0.458</td> <td>Z.1</td>	50029-18	0.000222	21	0.1334	0.53	0.279	0.64	0.458	Z.1
SU029-12       0.000138       32       0.1351       0.7       0.119       2.55       0.453       3.1         SU029-24       0.000169       38       0.1391       0.84       0.072       5.28       0.38       3.4         SU029-5       -0.000029       71       0.1375       0.64       0.119       1.16       0.48       4.3         SMMPLE S2098 7Ma       7Ma       0.00018       41       0.338       0.32       0.789       2.8         SU034-1       0.000013       58       0.1315       0.49       0.257       0.44       0.784       2.4         SU034-2       -0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-5       0.00001       71       0.13       0.54       0.249       0.49       0.773       2.9         SU034-8       0.000031       26       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-10       0.000017       50       0.1298       0.5       0.242       0.45       0.773       2.7 </td <td>SU029-8</td> <td>0.000711</td> <td>24</td> <td>0.1409</td> <td>1.74</td> <td>0.234</td> <td>3.09</td> <td>0.332</td> <td>5.4</td>	SU029-8	0.000711	24	0.1409	1.74	0.234	3.09	0.332	5.4
SU029-24       0.000169       38       0.1391       0.84       0.072       5.28       0.38       3.4         SU029-5       -0.000029       71       0.1375       0.64       0.119       1.16       0.48       4.3         SAMPLE S2098 ↑ 7Ma       SU034-1       0.000018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1       0.000013       58       0.1315       0.49       0.257       0.44       0.784       2.4         SU034-1       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-4       0.00006       32       0.1311       1.24       0.132       0.71       0.737       2.9         SU034-5       0.00001       71       0.13       0.54       0.249       0.49       0.773       2.9         SU034-8       0.000026       17       0.1331       1.23       0.198       0.57       0.789       2.6         SU034-10       0.00017       50       0.1298       0.5       0.242       0.45       0.773       2.7         SU034-13       0.00002       58       0.1298       0.62       0.241 <t< td=""><td>SU029-12</td><td>0.000138</td><td>32</td><td>0.1351</td><td>0.7</td><td>0.119</td><td>2.55</td><td>0.453</td><td>3.1</td></t<>	SU029-12	0.000138	32	0.1351	0.7	0.119	2.55	0.453	3.1
SU029-5       -0.000029       71       0.1375       0.64       0.119       1.16       0.48       4.3         SAMPLE S 2098 7Ma       SU034-1       0.000018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1.1       0.000013       58       0.1315       0.49       0.257       0.44       0.784       2.4         SU034-2       -0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-5       0.00001       71       0.13       0.54       0.249       0.49       0.773       2.9         SU034-5       0.000017       70       0.13       0.59       0.14       0.7       0.796       0.9         SU034-9       0.000226       17       0.1331       1.23       0.198       0.57       0.789       2.6         SU034-10       0.000017       50       0.1298       0.5       0.242       0.45       0.773       2.7         SU034-12       0.00003       100       0.13       0.59       0.176	SU029-24	0.000169	38	0.1391	0.84	0.072	5.28	0.38	3.4
SAMPLE S 2098 (*) / Ma         SU034-1       0.000018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1.1       0.000013       58       0.1315       0.49       0.257       0.44       0.784       2.4         SU034-2       -0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-5       0.00001       71       0.13       0.54       0.249       0.49       0.773       2.9         SU034-8       0.000093       26       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-9       0.000226       17       0.1331       1.23       0.198       0.57       0.789       2.6         SU034-10       0.000017       50       0.1298       0.5       0.242       0.45       0.773       2.7         SU034-12       0.00003       100       0.13       0.59       0.176       0.4       0.786       2.6         SU034-13       0.00002       58       0.1298       0.62	SU029-5	-0.000029	71	0.1375	0.64	0.119	1.16	0.48	4.3
SU034-1       0.000018       41       0.1309       0.41       0.338       0.32       0.789       2.8         SU034-1.1       0.000013       58       0.1315       0.49       0.257       0.44       0.784       2.4         SU034-2       -0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-5       0.00001       71       0.13       0.54       0.249       0.49       0.773       2.9         SU034-8       0.000093       26       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-9       0.000226       17       0.1331       1.23       0.198       0.57       0.789       2.6         SU034-10       0.000017       50       0.1298       0.52       0.242       0.45       0.773       2.7         SU034-12       0.000017       50       0.1298       0.62       0.241       0.56       0.804       1.8         SU034-15       0.000145       18       0.133       0.51       0.217       0.84       0.738 <td>SAMPLE S</td> <td>2098<b>@</b> 7Ma</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	SAMPLE S	2098 <b>@</b> 7Ma							
SU034-1.1       0.000013       58       0.1315       0.49       0.257       0.44       0.784       2.4         SU034-2       -0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-5       0.00001       71       0.13       0.54       0.249       0.49       0.773       2.9         SU034-5       0.000093       26       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-9       0.000226       17       0.1331       1.23       0.198       0.57       0.789       2.6         SU034-10       0.000017       50       0.1298       0.5       0.242       0.45       0.773       2.7         SU034-12       0.000003       100       0.13       0.59       0.176       0.4       0.786       2.6         SU034-13       0.00022       58       0.1298       0.62       0.241       0.56       0.804       1.8         SU034-15       0.000145       18       0.133       0.51       0.217       0.84       0.738	SU034-1	0.000018	41	0.1309	0.41	0.338	0.32	0.789	2.8
SU034-2       -0.000017       50       0.1301       0.48       0.217       0.89       0.777       2.9         SU034-4       0.00006       32       0.131       1.24       0.132       0.71       0.737       4         SU034-5       0.00001       71       0.13       0.54       0.249       0.49       0.773       2.9         SU034-8       0.000093       26       0.1306       0.59       0.14       0.7       0.796       0.9         SU034-9       0.000226       17       0.1331       1.23       0.198       0.57       0.789       2.6         SU034-10       0.000017       50       0.1298       0.5       0.242       0.45       0.773       2.7         SU034-12       0.000003       100       0.13       0.59       0.176       0.4       0.786       2.6         SU034-13       0.00002       58       0.1298       0.62       0.241       0.56       0.804       1.8         SU034-17       0.000145       18       0.133       0.51       0.217       0.84       0.738       3.7         SU034-17       0.000027       100       0.1303       1.24       0.254       1.11       0.813	SU034-1.1	0.000013	58	0.1315	0.49	0.257	0.44	0.784	2.4
SU034-40.00006320.1311.240.1320.710.7374SU034-50.00001710.130.540.2490.490.7732.9SU034-80.000093260.13060.590.140.70.7960.9SU034-90.000226170.13311.230.1980.570.7892.6SU034-100.000017500.12980.50.2420.450.7732.7SU034-120.000031000.130.590.1760.40.7862.6SU034-130.00002580.12980.620.2410.560.8041.8SU034-150.000145180.1330.510.2170.840.7383.7SU034-170.00029350.12910.450.1410.530.73.5SU034-18-0.000271000.13031.240.2541.110.8133.2SU034-30.0138130.40231.141.0160.920.3251.2SU034-30.0138130.40231.141.0160.920.3251.5SU034-70.01781110.41790.251.3060.821.3153SU034-70.01781110.41790.251.3060.821.3153SU034-70.01781110.41790.251.260.5334.7SU034-140.00184550.1625<	SU034-2	-0.000017	50	0.1301	0.48	0.217	0.89	0.777	2.9
SU034-50.00001710.130.540.2490.490.7732.9SU034-80.000093260.13060.590.140.70.7960.9SU034-90.000226170.13311.230.1980.570.7892.6SU034-100.000017500.12980.50.2420.450.7732.7SU034-120.0000031000.130.590.1760.40.7862.6SU034-130.00002580.12980.620.2410.560.8041.8SU034-150.000145180.1330.510.2170.840.7383.7SU034-170.000029350.12910.450.1410.530.73.5SU034-18-0.0000271000.13031.240.2541.110.8133.2SU034-200.000034410.12910.570.1440.660.762.5Rejected1.141.0160.920.3251.2SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-70.01781110.41790.251.3060.821.3153SU034-140.00884100.13471.630.1662.040.5474.1SU034-150.00018519<	SU034-4	0.00006	32	0.131	1.24	0.132	0.71	0.737	4
SU034-80.000093260.13060.590.140.70.7960.9SU034-90.000226170.13311.230.1980.570.7892.6SU034-100.000017500.12980.50.2420.450.7732.7SU034-120.0000031000.130.590.1760.40.7862.6SU034-130.00002580.12980.620.2410.560.8041.8SU034-15.0.000145180.1330.510.2170.840.7383.7SU034-170.000029350.12910.450.1410.530.73.5SU034-18-0.000271000.13031.240.2541.110.8133.2SU034-20.0.000034410.12910.570.1440.660.762.5Rejected1.141.0160.920.3251.2SU034-30.0138130.40231.141.0160.920.3251.2SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.00884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.0018	SU034-5	0.00001	71	0.13	0.54	0.249	0.49	0.773	2.9
SU034-90.000226170.13311.230.1980.570.7892.6SU034-100.000017500.12980.50.2420.450.7732.7SU034-120.000031000.130.590.1760.40.7862.6SU034-130.00002580.12980.620.2410.560.8041.8SU034-150.000145180.1330.510.2170.840.7383.7SU034-170.00029350.12910.450.1410.530.73.5SU034-18-0.000271000.13031.240.2541.110.8133.2SU034-20.0.000034410.12910.570.1440.660.762.5Rejected1.141.0160.920.3251.2SU034-30.0138130.40231.141.0160.920.3251.21.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.00884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-8	0.000093	26	0.1306	0.59	0.14	0.7	0.796	0.9
SU034-100.000017500.12980.50.2420.450.7732.7SU034-120.000031000.130.590.1760.40.7862.6SU034-130.0002580.12980.620.2410.560.8041.8SU034-150.000145180.1330.510.2170.840.7383.7SU034-170.000029350.12910.450.1410.530.73.5SU034-18-0.0000271000.13031.240.2541.110.8133.2SU034-20.'0.000034410.12910.570.1440.660.762.5Rejected1.141.0160.920.3251.2SU034-30.0138130.40231.141.0160.920.3251.2SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.00884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.00185190.13210.540.2251.20.624.5	SU034-9	0.000226	17	0.1331	1.23	0.198	0.57	0.789	2.6
SU034-120.0000031000.130.590.1760.40.7862.6SU034-130.00002580.12980.620.2410.560.8041.8SU034-15.0.000145180.1330.510.2170.840.7383.7SU034-170.000029350.12910.450.1410.530.73.5SU034-18-0.0000271000.13031.240.2541.110.8133.2SU034-20.0.000034410.12910.570.1440.660.762.5Rejected1.141.0160.920.3251.2SU034-30.0138130.40231.141.0160.920.3251.21.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-10	0.000017	50	0.1298	0.5	0.242	0.45	0.773	2.7
SU034-130.00002580.12980.620.2410.560.8041.8SU034-15.0.000145180.1330.510.2170.840.7383.7SU034-170.000029350.12910.450.1410.530.73.5SU034-18-0.0000271000.13031.240.2541.110.8133.2SU034-20.0.000034410.12910.570.1440.660.762.5Rejected </td <td>SU034-12</td> <td>0.000003</td> <td>100</td> <td>0.13</td> <td>0.59</td> <td>0.176</td> <td>0.4</td> <td>0.786</td> <td>2.6</td>	SU034-12	0.000003	100	0.13	0.59	0.176	0.4	0.786	2.6
SU034-15.0.000145180.1330.510.2170.840.7383.7SU034-170.000029350.12910.450.1410.530.73.5SU034-18-0.0000271000.13031.240.2541.110.8133.2SU034-20.0.000034410.12910.570.1440.660.762.5Rejected1.141.0160.920.3251.2SU034-30.0138130.40231.141.0160.920.3251.2SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-13	0.00002	58	0.1298	0.62	0.241	0.56	0.804	1.8
SU034-17       0.000029       35       0.1291       0.45       0.141       0.53       0.7       3.5         SU034-18       -0.000027       100       0.1303       1.24       0.254       1.11       0.813       3.2         SU034-20.       0.000034       41       0.1291       0.57       0.144       0.66       0.76       2.5         Rejected          0.423       1.14       1.016       0.92       0.325       1.2         SU034-3       0.01381       3       0.4023       1.14       1.016       0.92       0.325       1.2         SU034-6       0.001004       9       0.1481       0.58       0.328       0.49       0.735       1.5         SU034-7       0.017811       1       0.4179       0.25       1.306       0.82       1.315       3         SU034-11       0.000884       10       0.1347       1.63       0.166       2.04       0.547       4.1         SU034-14       0.001845       5       0.1625       1.04       0.365       1.26       0.533       4.7         SU034-15       0.000185       19       0.1321       0.54       0.225       1.2	SU034-15.1	0.000145	18	0.133	0.51	0.217	0.84	0.738	3.7
SU034-18-0.0000271000.13031.240.2541.110.8133.2SU034-20.'0.000034410.12910.570.1440.660.762.5Rejected1.141.0160.920.3251.2SU034-30.0138130.40231.141.0160.920.3251.2SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-17	0.000029	35	0.1291	0.45	0.141	0.53	0.7	3.5
SU034-20.'0.000034410.12910.570.1440.660.762.5RejectedSU034-30.0138130.40231.141.0160.920.3251.2SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-18	-0.000027	100	0.1303	1.24	0.254	1.11	0.813	3.2
RejectedSU034-30.0138130.40231.141.0160.920.3251.2SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-20.1	0.000034	41	0.1291	0.57	0.144	0.66	0.76	2.5
SU034-30.0138130.40231.141.0160.920.3251.2SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	Rejected								
SU034-60.00100490.14810.580.3280.490.7351.5SU034-70.01781110.41790.251.3060.821.3153SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-3	0.01381	3	0.4023	1.14	1.016	0.92	0.325	1.2
SU034-70.01781110.41790.251.3060.821.3153SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-6	0.001004	9	0.1481	0.58	0.328	0.49	0.735	1.5
SU034-110.000884100.13471.630.1662.040.5474.1SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-7	0.017811	1	0.4179	0.25	1.306	0.82	1.315	3
SU034-140.00184550.16251.040.3651.260.5334.7SU034-150.000185190.13210.540.2251.20.624.5	SU034-11	0.000884	10	0.1347	1.63	0.166	2.04	0.547	4.1
SU034-15 0.000185 19 0.1321 0.54 0.225 1.2 0.62 4.5	SU034-14	0.001845	5	0.1625	1.04	0.365	1.26	0.533	4.7
	SU034-15	0.000185	19	0.1321	0.54	0.225	1.2	0.62	4.5

SU034-16	0.003997	5	0.2012	1.31	0.481	0.94	0.553	3.1
SU034-19.1	0.000295	21	0.1381	0.79	0.284	0.63	0.686	2.2
SU034-19	0.001641	8	0.1538	0.81	0.322	1.1	0.577	1.6
SAMPLE S	2088� 8Ma							
SU037-15	0.000031	35	0.1286	0.35	0.03	1.2	0.523	1.8
SU037-18	0.000104	24	0.1296	0.44	0.108	1.3	0.508	2.5
SU037-12	-0.000016	50	0.1291	0.36	0.208	1.2	0.574	1.9
SU037-7	0.000032	38	0.1298	0.38	0.078	0.8	0.52	1.6
SU037-17	0		0.1294	0.71	0.131	1.2	0.556	1.6
SU037-26	0.000139	18	0.1313	0.7	0.04	1.1	0.579	2.7
SU037-14	0.00003	35	0 1301	0.58	0.038	1	0.52	21
SU037-4	0 000097	23	0 1312	0.41	0 159	17	0 534	24
SU037-29	-0.000011	71	0.1301	0.42	0.085	0.8	0.523	1.8
Inherited	0.000011	<i>,</i> ,	0.1001	0.42	0.000	0.0	0.020	1.0
SI 1037-25	0 000224	14	0 1344	0 33	0 200	2.6	0 4 9 7	3.2
SU037-25	0.000224	26	0.1377	0.33	0.203	2.0	0.457	2.2
SU037-1	0.000107	20	0.1002	0.47	0.230	0.0	0.552	2.7
SU037-27	0.000038	30	0.1320	0.54	0.393	0.0	0.579	1.9
50037-10	0.000103	30	0.1339	0.54	0.245	0.7	0.574	1.0
50037-22	0.000009	71	0.1334	0.37	0.184	0.5	0.606	1.8
SU037-8	0.000232	19	0.142	0.43	0.194	1	0.606	2.1
Rejected	0 000070	05	0.400	0.00	0.005		0.447	
SU037-24	0.000072	25	0.123	0.39	0.205	3.9	0.447	2.8
SU037-2	0.00007	24	0.1259	0.83	0.161	1	0.431	2.9
SU037-5	0.000081	24	0.127	3.56	0.202	8.3	0.466	5.9
SU037-30	0.00043	11	0.1316	0.98	0.249	5.8	0.375	3.9
SU037-20	0.000128	21	0.1282	0.43	0.102	3.5	0.469	5.6
SU037-28	0.000265	14	0.1303	0.36	0.218	0.5	0.425	4.2
SU037-3	0.00009	20	0.1288	0.34	0.27	0.9	0.494	4.3
SU037-11	0.00002	50	0.1284	0.66	0.211	1.2	0.473	2.9
SU037-9	0.00006	29	0.1289	0.44	0.172	1.8	0.483	2.3
SU037-13	0.00014	21	0.1306	0.57	0.265	1.1	0.474	2.3
SU037-6	0.000122	16	0.1306	0.3	0.049	1.6	0.501	3.2
SU037-16	0.00011	21	0.1307	0.4	0.147	2.5	0.559	0.8
SU037-23	0.000411	14	0.1352	0.46	0.033	1.5	0.454	2.1
SU037-19	0.000191	26	0.134	0.63	0.206	0.9	0.475	2.1
SU037-21	0.000158	21	0.1347	1.37	0.161	3.1	0.495	2
SAMPLE S	2077 <b>�</b> 5Ma							
SU051-1	0.000034	33	0.1284	0.38	0.138	0.58	0.92	3.4
SU051-2	0.000038	50	0.1283	0.6	0.158	0.87	0.766	1.7
SU051-3	0.000543	12	0.1372	0.47	0.202	0.63	0.7	1.6
SU051-4	0.000035	29	0 1283	0.33	0 135	0.51	0 773	27
SU051-5	0.000076	20	0.1200	0.33	0.155	0.01	0.755	1.8
SU051-6	0.000114	18	0 1299	0.38	0.134	0.10	0.787	3.3
SU051-7		71	0.1200	0.00	0.134	0.00	0.707	23
SU051-7	0.000000	/1	0.120-	0.53	0.150	0.33	0.022	2.0
SU051-0	0.000040	41	0.1295	0.33	0.100	0.70	0.022	2.5
SU051-9	0.000147	71	0.1313	0.34	0.157	0.49	0.755	2.5
SU051-10.	-0.000000	71	0.12/0	0.01	0.190	0.13	0.709	2.1
		/   	0.1207	0.34	0.219	0.43	0.023	3
50051-13		71	0.1292	0.49	0.197	0.05	0.037	2.1
50051-14 Deiester	-0.000006	100	0.1278	0.47	0.171	0.00	0.810	2.0
Rejected	0.0000.4.4	-	0 4 4 4	0 0 <i>i</i>	0.000	o = 4	o = :	
SU051-12	0.000944	6	0.144	0.34	0.203	0.51	0.74	1.6

SU051-8.1	0.000792	8	0.1422	0.71	0.194	1.98	0.587	4.5
SU051-9.1	0.000277	13	0.1344	0.39	0.188	0.53	0.722	2.2
SU051-10	0.000029	41	0.1286	0.42	0.148	0.64	0.767	1.7
SU051-11	0.001141	6	0.1547	1.15	0.231	2.29	0.69	1.8
SU051-12.1	0.001766	19	0.1534	2.25	0.336	3.39	0.621	4.6
SU051-13.1	0.000873	9	0.1407	0.45	0.333	0.5	0.622	1.4
SU051-14	0.001113	12	0 1503	0.89	0 233	1.96	0.89	3
SAMPLE S	2076 <b></b> 6Ma		0.1000	0.00	0.200	1100	0.00	Ũ
SU052-2 1	0.000154	18	0 1299	0.36	0 258	0.43	0 77	21
SU052-3	0.000024	38	0.1200	0.36	0.15	0.53	0 772	2.5
SU052-0	0.000024	100	0.1277	0.50	0.10	0.85	0.836	2.5
SU052-4	0	100	0.1277	0.00	0.101	0.00	0.000	0.0 1 /
SU052-6	0 000002	100	0.1287	0.42	0.100	0.66	0.84	3.2
SU052-8	0.000158	18	0.1207	0.20	0.202	0.00	0.705	1 0
SU052-0	0.000150	22	0.1203	0.36	0.202	0.51	0.735	1.5
SU052-13	0.000000	100	0.1295	0.50	0.105	0.31	0.070	1 2
SU052-14	0.000007	100	0.1291	0.0	0.159	0.73	0.797	4.5
50052-16	0.000196	10	0.1319	0.33	0.17	0.47	0.774	2.2
50052-10.	0.000237	15	0.1319	0.33	0.201	0.44	0.75	2.0
	0.000476	45	0 400	0.96	0.400	0.44	0 504	6.6
50052-1.1	0.000476	15	0.130	0.00	0.403	2.41	0.594	0.0
50052-1	0.00003	45	0.1272	0.47	0.211	0.0	0.748	2.5
50052-2	0.000483	21	0.1337	0.42	0.100	1.21	0.483	0.8
50052-7	0.000421	12	0.1352	0.44	0.247	0.54	0.565	1.3
SU052-9	0.005167	3	0.2208	0.39	0.461	0.44	0.545	1.7
SU052-10	0.001111	10	0.1499	0.59	0.241	0.71	0.656	3.7
SU052-11	0.00012	19	0.129	0.33	0.186	0.45	0.767	2.1
SU052-12	0.003601	3	0.1867	1.16	0.444	1.54	0.722	3.5
SU052-15	0.001873	10	0.1597	1.58	0.253	2.79	0.844	1.8
SU052-15.1	0.001684	6	0.1535	1.39	0.258	2.21	0.655	0.8
SU052-16.1	0.000552	22	0.1408	1.39	0.281	2.63	0.735	2.9
SU052-17	0.00134	4	0.1499	0.29	0.261	0.85	0.712	3
SU052-17.	0.00251	14	0.167	2.24	0.377	3.1	0.54	1.2
SU052-18	0.001278	92	0.1632	10	0.296	19	0.738	5.4
SU052-19.1	0.000026	18	0.1277	0.26	0.307	0.47	0.902	4
SU052-20.1	0.001699	10	0.1587	1.29	0.323	1.54	0.77	2
SAMPLE S	2092� 4Ma							
SU054-1	-0.000012	71	0.1302	0.44	0.13	0.74	0.646	0.35
SU054-2	0.000326	14	0.1342	0.41	0.084	0.84	0.679	0.33
SU054-4	0.000134	21	0.1315	0.44	0.072	0.97	0.721	0.36
SU054-6	0.000022	35	0.1295	0.29	0.075	1.58	0.756	0.27
SU054-7	0.000064	22	0.1306	0.32	0.255	0.39	0.707	0.84
SU054-8	-0.000031	58	0.1284	0.57	0.102	1.06	0.652	0.45
SU054-9	0.000104	20	0.1298	0.36	0.097	0.68	0.66	0.31
SU054-10	0.000006	100	0.1302	0.43	0.102	0.81	0.628	0.37
SU054-11	0.000052	38	0.1295	0.49	0.108	0.88	0.68	1.09
SU054-12	0.000154	20	0.132	0.44	0.073	0.97	0.61	0.34
SU054-15	0.000155	18	0.1322	0.37	0.085	0.75	0.72	0.82
SU054-17	0.000046	27	0.1305	0.36	0.108	0.64	0.624	0.28
Rejected								
SU054-3	0.000332	17	0.1331	0.49	0.116	0.87	0.609	0.42
SU054-5	0.000458	10	0.136	0.34	0.102	0.64	0.638	1.06
SU054-13	0.000391	14	0.135	0.48	0.109	0.88	0.621	0.38

SU054-14	0.001006	10	0.1309	1	0.206	3.55	0.427	0.59
SU054-16	0.000726	15	0.144	0.61	0.163	2.17	0.431	2.65
SAMPLE S	2091� 6Ma							
SU056-1	0.000145	21	0.1321	0.44	0.096	1.74	0.701	1.4
SU056-2	0.000044	35	0.132	0.41	0.094	0.8	0.777	1.3
SU056-3	0.00003	50	0.1304	0.49	0.066	1.13	0.786	0.9
SU056-4	0.000214	14	0.1328	0.33	0.08	1.38	0.76	1.5
SU056-5	0.000012	71	0.1289	0.44	0.077	1.04	0.792	0.6
SU056-6	0.00022	16	0.1329	0.75	0.098	1.22	0.755	0.7
SU056-7	0.000107	21	0.1309	0.38	0.081	0.79	0.729	0.9
SU056-9	0.000018	45	0.1289	0.33	0.119	0.58	0.773	0.9
SU056-10	0.000065	28	0.13	0.4	0.077	0.84	0.794	0.7
SU056-11	0.000102	26	0.1301	0.46	0.087	1.47	0.742	1
SU056-12	0		0.1291	0.36	0.071	0.81	0.677	2.5
SU056-13	0.000036	30	0.1293	0.32	0.081	0.67	0.719	1
SU056-16	0.000036	45	0.1304	0.47	0.068	1.08	0.705	1
SU056-17	0.000001	300	0.1304	0.4	0.068	0.9	0.746	1
SU056-18	0.000029	41	0 1297	0.39	0.068	0.88	0 743	0.6
Inherited	0.000020		0.1201	0.00	0.000	0.00	011 10	0.0
SU056-15	0 000377	11	0 1392	0.36	0 127	12	0 703	12
Rejected	0.000011	• •	0.1002	0.00	0.121	1.2	0.700	1.2
SU056-8	0 000741	9	0 1393	04	0 101	1.31	0.639	0.9
SU056-14	0.000686	17	0.1399	0.73	0.133	3 14	0.705	1.6
SAMPLE S	2088 <b>傘</b> 5Ma		0.1000	0.70	0.100	0.14	0.700	1.0
SU057-1	0 00008	28	0 1291	0.43	0 103	0.82	0.548	32
SU057-2	0.000036	38	0.1296	0.40	0.095	0.78	0.585	4.3
SU057-3	0.000014	71	0.1200	0.76	0.000	4 44	0.603	2.1
SU057-4	0.000014	38	0.1200	0.40	0.001	1 33	0.561	<u> </u>
SU057-4	0.000023	100	0.1290	0.00	0.000	0.59	0.501	3.5
SU057-3	0.000002	38	0.1302	0.5	0.071	0.00	0.582	3.5
SU057-7	0.00003	30 45	0.1290	0.30	0.071	0.67	0.502	2.0
SU057-0	0.000021	71	0.1290	0.35	0.102	1.36	0.570	2.2
SU 057 10	0.000000	32	0.1294	0.30	0.007	1.30	0.579	2.4
SU057 12	0.000000	50	0.1300	0.45	0.113	0.60	0.599	2.0
Joboritod	-0.000010	50	0.1270	0.07	0.105	0.09	0.304	2.4
	0.000316	16	0 1374	0.8	0 121	3 65	0.677	27
SU057-5.1	0.000310	10	0.1374	0.0	0.121	1 10	0.077	2.1
SU057-0	0.000128	19	0.1329	0.33	0.104	1.19	0.024	J. I 1 /
SU037-11	0.00043 2146 <b>A</b> 0Ma	0	0.1370	0.59	0.120	1.94	0.001	1.4
SAIVIFLE S	2 140 <b>V</b> 9 9 Ma	11	0 1 2 2 1	0.79	0.060	1 72	0 659	07
SU059-9	0.000111	41	0.1331	0.70	0.009	1.73	0.000	0.7
SU059-19	0.000102	40	0.1333	0.61	0.130	1.32	0.609	1.4
50059-14	0.000037	20	0.1331	0.64	0.167	0.95	0.763	1.4
SU059-15	0.00005	30	0.1338	0.41	0.434	0.47	0.786	1.5
50059-20	-0.000099	45	0.1319	0.81	0.223	1.05	0.784	1.4
50059-5	0.000362	15	0.1382	0.49	0.23	0.05	0.696	1.2
50059-13	0.000082	33	0.1346	0.56	0.269	1.11	0.721	0.6
SU059-8	0.000392	17	0.1387	0.55	0.134	0.91	0.658	1.3
50059-4	0.000174	24	0.1362	0.56	0.193	0.79	0./13	2.3
50059-10	0.000413	13	0.1397	0.45	0.158	0.7	0.785	1.4
SU059-21	0.000008	100	0.135	0.52	0.15	1.62	0.703	1.8
SU059-7	-0.000104	41	0.1337	0.75	0.278	0.89	0.792	1.8
SU059-6	0.000027	71	0.1354	0.66	0.316	0.75	0.686	1.8

SU059-3 Reiected	0.000627	20	0.1436	0.41	0.137	2.27	0.801	0.9
SU059-1.1	0.000051	50	0.1313	0.65	0.389	0.68	0.847	1.1
SU059-16	0.000484	13	0.1378	0.51	0.239	0.66	0.708	1.3
SU059-12	0.000526	18	0.1426	0.66	0.116	1.19	0.687	1.6
SU059-1	0.001096	9	0.1503	0.53	0.2	0.77	0.584	1.8
SU059-2	0.000911	11	0.1484	0.52	0.299	1.37	0.694	1.7
SU059-18	0.000629	14	0.1462	0.58	0.127	1	0.561	1.1
SU059-11	0.000865	13	0.1534	1.05	0.242	0.81	0.634	1.1
SU059-17	0.003336	5	0.186	0.46	0.25	0.66	0.601	2.1
SAMPLE K	2110 <b>@</b> 13Ma	· ·			0.20			
KD154-9	0.000119	41	0.1293	0.83	0.246	2.5	1.016	0.9
KD154-18	0.000025	100	0.1287	0.93	0.24	1.2	1.082	2.6
KD154-19	0 000045	71	0 1305	0.88	0 205	12	1 024	21
KD154-21	0.000115	30	0 1315	0.62	0.351	0.7	1 023	22
KD154-14	0.000155	24	0 1331	0.59	0.22	0.0	1.020	1.5
KD154-20	-0.000038	71	0.1306	0.82	0 209	1 1	1.033	1.0
KD154-4	0.000184	17	0.1338	0.43	0.231	0.6	0.956	1.0
KD154-5	0.000104		0.1318	1 09	0.144	27	0.995	1.0
KD154-1	0 000039	71	0.1324	0.8	0.236	<u></u> ,	0.000	1.2
KD154-22	0.000042	50	0.1024	0.62	0.263	12	1.062	0.7
KD154-8	0.000488	23	0.1399	0.02	0.256	1.2	0.857	21
KD154-0	0.000400	16	0.133	0.51	0.250	1.2	0.007	2.1
Inherited	0.000200	10	0.107	0.0	0.202	1.4	0.041	2.0
KD154-13	0.000406	19	0.1392	1.22	0.216	1.9	1.098	1.9
KD154-11	-0.000012	100	0.1339	0.65	0.112	1.1	1.048	2.3
KD154-17	0.000156	41	0.137	0.93	0.17	6.6	1.076	2.6
KD154-23	0.000033	71	0.1359	0.74	0.102	1.4	0.982	3.8
KD154-7	0.000488	21	0.1502	0.81	0.182	2.7	1.077	1.9
Rejected							-	-
KD154-16	0.002003	9	0.25	0.94	0.267	0.9	1.16	3.6
KD154-12	0.000772	11	0.1427	0.56	0.376	1.1	1.036	2.1
KD154-3	0.001152	7	0.148	0.42	0.233	1.6	0.999	2.7
KD154-15	0.000631	13	0.1458	1.39	0.147	1.9	0.923	3.4
KD154-10	0.001226	15	0.155	0.55	0.25	0.7	1.049	1.1
KD154-6	0.001868	7	0.1665	0.92	0.266	1.8	0.952	3.2
SAMPLE K	2098 <b> 7</b> Ma					-		-
KL565-13	0.000004	100	0.1299	0.6	0.062	1.26	1.077	2.2
KL565-2	0.000198	20	0.1316	0.51	0.095	0.99	0.964	2.4
KL565-3	0.000011	100	0.1302	0.58	0.12	1	0.987	2.1
KL565-12	0.000004	100	0.1304	0.35	0.112	0.62	0.959	2.1
KL565-8	0.000023	45	0.1296	0.38	0.133	0.63	0.865	1.5
KI 565-14	0.000046	45	0 1306	0.54	0 113	1.95	0.93	2.3
KL565-15	0.000041	30	0.1297	0.34	0.159	1.76	0.937	3.5
Rejected			00.	0101				0.0
KI 565-5	0 000052	27	0 1299	0.34	0 15	0.53	1 049	13
KL565-1	-0.000024	58	0.1277	0.51	0,104	2.19	0,948	24
KL565-4	0.000087	45	0.1339	0.73	0.193	1.03	1.004	2
KL565-7	0.000362	17	0.1362	0.5	0.162	0.77	0.944	33
KL565-6	0		0.1275	0.43	0.09	0.85	0.906	17
KL565-11	0.000059	20	0.1285	0.51	0.131	1.45	0.947	23
KL565-9	0.000019	71	0.1305	0.55	0.09	1.09	0.751	2.2
	-						-	-

KL565-10	0.000037	35	0.1282	0.39	0.12	0.66	0.79	2.4
SAMPLE K	2078 <b>�</b> 14Ma							
KL630-15	0.000037	58	0.1261	0.68	0.071	1.4	0.81	2.2
KL630-9	0.000131	41	0.1288	0.87	0.148	2.5	0.86	2.8
KL630-16	0.00004	71	0.1281	1.8	0.097	1.6	0.96	2
KL630-13	0.000021	100	0.128	0.86	0.091	1.6	0.82	0.8
KL630-7	0.000157	38	0.1299	0.88	0.068	3.8	0.86	1.8
KL630-14	0.000059	58	0.1293	0.83	0.08	1.7	0.97	0.9
KL630-5	0.000143	41	0.1307	0.9	0.076	1.9	0.83	1.5
KL630-2	0.000073	30	0.13	0.52	0.062	1.1	0.92	2.2
KL630-12	0.000101	45	0.1305	0.84	0.09	1.6	0.89	1.4
KL630-11	0.000029	58	0.1305	0.6	0.117	1	0.95	2.1
KL630-6	0.000104	45	0.1319	0.84	0.097	1.6	0.94	1.9
Inherited			00	0101	01001			
KI 630-10	0 000024	71	0 1328	0.67	0.083	13	0.93	16
Rejected		•••	0020	0.01				
KL630-1	0.000127	50	0.1277	1.04	0.083	2.1	0.97	1
KL630-17	0.000296	20	0.1308	0.66	0.069	1.4	0.7	1.9
KL630-4	0.000356	20	0.1324	0.64	0.145	1.6	0.82	3.2
KI 630-8	-0.000018	100	0 1327	0.78	0.086	1.5	0.74	2
KI 630-3	0.000098	45	0 1387	1 27	0.301	1	0.89	17
SAMPLE K	2120 <b>@</b> 20Ma	10	0.1001		0.001	•	0.00	
KI 274-12	0.000106	45	0 1276	1 47	0.086	17	0.97	27
KL274-2	0.000278	30	0.1315	1.5	0.065	2.1	1	2.1
KI 274-1	0.000558	18	0 1381	1 45	0.095	3.1	1 04	3.3
KL274-8	0.000084	41	0.1322	0.71	0.189	1	1.06	3
KI 274-5	0.000019	100	0 1321	0.82	0 177	18	1.06	28
KI 274-7	-0.000038	100	0 1326	1 12	0.076	2.5	1.08	24
KI 274-15	0 00006	58	0 1341	0.83	0.085	17	0.86	1.9
KI 274-6	0.000072	58	0 1348	0.00	0.239	1.1	1 01	2.3
KI 274-10	0.000119	32	0 1368	0.66	0.138	1.1	1.01	2.0
Inherited	0.000110	02	0.1000	0.00	0.100		•	2.2
KI 274-18	0 000022	71	0 2068	0 55	0 14	1	1 44	23
Rejected	0.000022		0.2000	0.00	0.11	•		2.0
KI 274-17	0 000376	18	0 1334	0.68	0 096	13	0.98	18
KI 274-13	0.003279	7	0 1804	0.67	0.209	2	0.81	2.5
KI 274-16	0.002034	, 14	0 1687	2.56	0.164	1 1	0.72	3.8
KI 274-14	0.002414	14	0 1791	2 25	0.27	37	1.08	1.6
KI 274-4	0.010831	8	0.2883	3.9	0.505	5.1	1.00	3.3
KI 274-11	0.002307	12	0.2000	2 12	0.000	4	0 99	11
KI 274-3	0.006375	5	0.2391	17	0.372	15	0.00	1.1
SI-124	2089 <b>4</b> 12 Ma	0	0.2001	1.7	0.072	1.0	0.40	1.0
SI124-6	0.000076	50	0 1319	0.78	0 12	13	0.76	2.8
SI124-24	-0.000073	45	0.1010	1 13	0.05	4.3	0.70	2.0
SI124_27	-0.000041	32	0.1204	1.10	0.00	-1.0	0.75	2.0
SI124-30	0.000038	50	0.1201	0.55	0.20	07	0.73	1 <u>4</u>
SI124-32	0.000000	100	0.1202	0.55	0.20	0.7	0.76	3.1
Rejected	0.00001	100	0.1200	0.01	0.10	0.0	0.70	0.1
SI124_1	0 000502	7	0 1375	1 1 2	0.07	20	0.65	Л
SI124-2	0.001589	ι Δ	0.1344	0.20	0.07	2.3 N Q	0.00	ד 2 פ
SI124-3	0 000097	- 18	0 1181	0.23	0.00 0 3	0.0	0.20	4 R
011210	0.000001	10	0.1101	0.00	0.0	0.4	0.00	7.0

SI124-4	0.005356	4	0.1594	1.11	0.6	1	0.16	5.3
SI124-5	0.008797	2	0.2234	1.31	0.54	2.4	0.27	4.4
SI124-7	0.001325	6	0.1324	0.43	0.38	0.4	0.28	5.1
SI124-8	0.000603	9	0.1307	0.21	0.42	0.5	0.57	4.6
SI124-9	0.000744	10	0.1001	0.95	0.54	0.5	0.15	4.5
SI124-10	0.000128	19	0.1256	0.55	0.39	0.8	0.54	4.3
SI124-11	0.000279	10	0.1243	0.27	0.34	0.3	0.44	4.3
SI124-14	0.001223	4	0.1317	1.4	0.28	1.5	0.37	5.4
SI124-15	0.004857	4	0.1732	0.45	0.7	1.8	0.21	5.1
SI124-16	0.012091	2	0.2648	2.05	0.72	1.7	0.32	2.7
SI124-17	0.00063	8	0.1265	0.59	0.23	0.5	0.31	3.8
SI124-18	0.002317	5	0.1271	1.06	0.56	2.6	0.17	4
SI124-19	0.000659	12	0.0955	0.62	0.36	0.5	0.09	5.3
SI124-20	0.000234	12	0.1297	1.28	0.44	1.7	0.59	3.2
SI124-21	0.00079	9	0.1303	1.04	0.31	5	0.44	2.3
SI124-22	0.025403	1	0.4587	1.26	1.12	1.6	0.3	4.2
SI124-23	0.0004	13	0.1018	1.39	0.34	0.9	0.2	5.9
SI124-13	0.000592	9	0.1108	0.41	0.36	0.4	0.22	2.3
SI124-25	0.000209	11	0.1261	0.96	0.4	1.3	0.5	3.2
SI124-26	0.000612	8	0.1048	1.37	0.21	2.7	0.21	4.9
SI124-28	0.004359	3	0.1549	0.33	0.73	1.6	0.23	4.1
SI124-29	0.000543	7	0.1174	0.55	0.4	1.6	0.26	4.7
SI124-31	0.001838	6	0.1036	1.23	0.61	1.1	0.11	3.6
SI124-33	0.0246	1	0.4414	0.94	2.03	0.1	0.61	5.6
SI124-34	0.000812	8	0.1315	0.43	0.38	2.6	0.48	2.8
SI124-35	0.003918	3	0.1617	0.29	0.5	0.3	0.25	2.4
SI124-36	0.000706	7	0.1226	0.77	0.37	0.6	0.29	4.3

Errors are 1-sigma; Pbc and Pb\* indicate the common and radiogenic portions, respectively. (1) Common Pb corrected using measured 204Pb.

%206Pbc	ppmU	ppmTh	4-corrppm2	232Th/238I	₽%	(1)206Pb/2	38UAge	(1)207Pb/2
0.03	248	105	81	0.437	0.27	2084	<b>4</b> 26	2126
0.04	237	191	78	0.833	0.22	2088	<b>2</b> 6	2133
0.05	221	93	73	0.433	0.28	2087	<b>•</b> 26	2128
0.05	264	119	85	0.467	0.41	2059	<b>2</b> 5	2137
0.02	231	134	77	0.597	0.26	2106	<b>2</b> 6	2137
0.05	202	85	67	0.434	0.28	2113	<b>é</b> 26	2136
0.13	171	89	55	0.538	0.32	2053	<b>2</b> 6	2127
0.09	198	105	65	0.547	0.27	2081	<b>\$</b> 26	2130
0.04	179	85	59	0.492	0.29	2097	<b>\$</b> 27	2135
0.12	215	114	64	0.548	0.26	1928	<b>\$</b> 24	2094
0.12	237	105	76	0.456	0.27	2048	<b>\$</b> 25	2119
0.03	199	106	68	0.553	0.48	2153	<b>\$</b> 27	2132
0.05	164	80	55	0.504	0.31	2122	<b>\$</b> 27	2134
0.32	217	88	64	0.419	0.28	1893	<b>2</b> 4	2105
0.48	264	127	/1	0.498	0.49	1/55	<b>\$</b> 22	2072
0.01	280	146	80	0.538	0.77	1854	<b>\$</b> 23	2116
0.26	343	217	78	0.654	0.57	1510	<b>₩</b> 21	2044
0.29	181	90	51	0.513	0.3	1840	₩24	2053
0.18	239	153	81	0.66	1.34	2148	<b>@</b> 21	2144
0.06	371	267	126	0.74	0.39	2154	<b>\$</b> 27	2135
0.09	153	88	53	0.6	0.59	2178	<b>\$</b> 23	2160
0.05	96	29	32	0.31	2.67	2106	<b>\$</b> 26	2157
0.09	310	133	105	0.44	0.47	2134	<b>\$</b> 20	2133
0.03	238	125	77	0.54	0.3	2065	<b>@</b> 20	2128
0.16	170	69	57	0.42	0.4	2133	<b>\$</b> 22	2145
0.03	298	197	101	0.68	0.25	2146	<b>@</b> 20	2143
0.08	181	86	61	0.49	0.36	2150	<b>@</b> 22	2137
0.12	306	201	104	0.68	0.25	2148	<b>@</b> 20	2145
0.02	357	170	116	0.49	0.26	2072	<b>\$</b> 26	2136
0.14	81	40	26	0.51	0.53	2070	♦26	2127
0.13	164	106	55	0.67	0.34	2135	<b>₩</b> 22	2129
0.05	290	122	98	0.43	0.47	2144	♥20 ♠ 01	2140
0.04	210	121	71	0.0	0.32	2132	♥21	2143
0.1	200	94	70	0.47	0.35	2140	¥ 22	2141
0.8	149	50	51	0.34	0.83	2165	<b>\$</b> 24	2290
0.06	167	80	47	0.49	0.36	1834	<b>%</b> 19	2097
0.16	268	105	86	0.4	1.12	2043	<b>\$</b> 38	2103
0.22	297	176	92	0.61	0.26	1994	<b>1</b> 9	2118
0.09	203	102	67	0.52	0.34	2102	<b>@</b> 21	2123
0.15	170	86	57	0.52	0.55	2122	<b>\$</b> 22	2125
0.25	218	222	69	1.05	0.26	2017	<b>\$</b> 20	2128
0.14	234	93	/9	0.41	0.34	2132	<b>♥</b> 21	2132
0.24	188	82	60	0.45	U.84	2048	₩21 ♠21	2142
0.17	196	80	04 60	0.30	1.31	2070	₩21 ♠60	2145
0.2	210	124	09	0.01	1.29	2090	₩09 ▲21	2104
0.11	229	11	01	0.35	0.30	2100	₩21	2100

0.42	175	114	50	0.67	0.32	1847 �20	2144
0.67	287	91	57	0.33	0.57	1346 �14	2129
0.21	307	180	91	0.6	0.25	1902 �18	2093
0.35	286	276	80	1	0.78	1817 �23	2087
0.4	242	235	63	1	1.48	1712 �64	2107
0.76	297	211	61	0.74	1.05	1386 �27	2125
0.56	295	127	80	0.44	1.72	1766 �24	2167
0.32	318	294	75	0.96	1.74	1565 �42	2051
0.06	204	87	69	0.44	0.27	2139 �26	2121
0.02	168	79	56	0.485	0.29	2127 �27	2139
	214	101	72	0.49	0.4	2138 �26	2130
0.12	211	92	70	0.449	0.26	2103 �26	2112
0.06	147	69	50	0.481	0.53	2144 �27	2130
0.07	105	52	36	0.512	0.36	2167 �29	2117
0.06	174	94	58	0.559	0.27	2105 �26	2132
0.26	207	114	63	0.572	0.25	1961 �24	2128
0.17	157	70	51	0.461	0.3	2078 �33	2118
0	153	51	52	0.345	0.33	2139 �27	2117
0.04	214	95	69	0.46	0.26	2052 �25	2131
0.79	74	32	24	0.443	0.46	2049 �30	2129
0.2	240	76	71	0.328	0.27	1911 �24	2095
0.05	181	84	61	0.48	0.28	2139 �27	2123
0.07	183	71	62	0.401	0.29	2131 �26	2133
	201	95	68	0.486	0.26	2132 �26	2121
0.74	184	116	51	0.651	0.25	1809 •23	2151
0.1	179	96	53	0.554	0.27	1908 �24	2131
	- 4		4.0	0.00	o 44	0000 \$ 40	
0.03	51	31	18	0.62	0.44	2202 442	2144
 0.04	90	42	32	0.48	0.38	2218 40	2164
0.01	222	124	/5	0.58	0.22	2145 \$37	2120
	110	53	39	0.47	0.36	2137 \$\$30	2118
0.00	50	26	10	0 51	0.47	2205 A11	0111
0.09	52 67	20	19	0.51	0.47	2000 <b>4</b> 44	2111
0.02	56	30	20	0.47	0.43	2321 443	2142
0 04	- 30 145	54	2 I 52	0.03	0.44	2294 14	2110
0.04	143	20	0Z 00	0.47	0.27	2240 449	2074
0.03	133	29	22 19	0.51	0.40	2291 - 43	2132
0.04	72	09	40 25	0.55	0.27	2201 - 4039	2110
0.04	170	84	20 62	0.51	0.00	2203 - 40	2001
0.04	100	52 52	30	0.51	0.20	2211 - 409	2104
 0.05	90	73	33	0.49	0.03	2209 $\sqrt{+3}$	2120
	51	26	19	0.04	0.04	2202 + 1	2141
	95	88	34	0.02	0.40	2267 4240	2142
	68	40	24	0.00	0.20	2261 4241	2141
	80	- <del>1</del> 0 51	29	0.67	0.35	2243 🕰 41	2140
0.03	195	145	56	0.77	0.46	1870 •33	2064
0.00	70	11	25	0.64	0.70		2004
() 11	/11	44	27	0.04	0.00	//.30 441	///^

0.13	107	35	34	0.34	1.63	2010 �44	2168
	71	21	23	0.31	0.83	2019 �49	2201
	40	8	13	0.22	1.28	2041 �59	2130
	59	25	19	0.44	1.12	2065 �66	2176
	162	54	54	0.34	0.88	2119 �55	2179
	54	14	18	0.27	1.03	2086 \$55	2209
0.03	171	53	54	0.32	0.56	2011 •42	2171
0.13	124	27	39	0.23	0.69	2002 •43	2155
0.11	122	49	40	0.41	1 27	2069 445	2155
0.11		10	10	0.11		2000 \$ 10	2100
	133	34	38	0.27	1.35	1861 �40	2185
0.07	101	33	31	0.33	1.35	1964 �87	2133
	279	130	44	0.48	2.02	1078 �49	
	144	48	43	0.35	0.87	1933 �41	2169
	482	136	127	0.29	0.55	1726 �36	2159
	287	102	71	0.37	0.62	1623 �59	2162
0.44	190	91	37	0.49	1.48	1315 �29	2159
	129	50	40	0.4	1.46	1971 �42	2177
0.08	104	27	33	0.27	0.71	1998 \$57	2214
0.11	87	21	27	0.25	0.91	1971 4249	2169
0.09	438	224	120	0.53	0.27	1787 •34	2107
0.00	400	227	120	0.00	0.21		2107
0.11	246	258	82	1.08	4.13	2107 �22	2100
	189	141	63	0.77	0.31	2108 �23	2117
	214	179	71	0.86	0.28	2118 �23	2123
	184	194	61	1.09	1.02	2119 �36	2117
	145	108	50	0.77	0.34	2168 �25	2121
0.17	161	121	52	0.77	0.32	2067 �24	2103
0.56	174	162	57	0.96	0.3	2098 �24	2109
	273	310	91	1.17	1.03	2121 32	2132
	169	126	59	0.77	0.38	2188 •26	2137
	99	78	34	0.82	0.42	2155 •28	2172
	214	151	72	0.73	0.35	2132 • 30	2150
					0.00		
0.03	213	203	76	0.99	0.89	2252 �27	2124
0.27	462	166	151	0.37	0.5	2071 �20	2110
0.2	114	65	37	0.59	0.4	2060 •26	2084
0.18	464	59	145	0.13	4 66	2000 @19	2105
0.17	581	277	188	0.49	0.52	2062	2116
••••				0.10	0.02		
0.04	1031	518	327	0.52	0.32	2025 �22	2105
0.05	1123	552	324	0.51	0.32	1869 �18	2084
0.11	124	91	9	0.76	0.37	538 🏟8	635
0.98	154	48	43	0.32	0.41	1795 �21	2185
0.54	391	203	102	0.54	2.01	1708 �33	2114
0.14	619	120	84	0.2	0.71	948 �10	1938
0.27	310	66	82	0.22	0.77	1726 �18	2068
0.17	ΕΛ	<b>DE 1</b>	17.0	0 402	0.69	2110 \$27	0400
0.17	04 4 4	20.1 10.4	17.9	0.400	0.00	2119 <b>W</b> 31	2120
0.07	44	19.4	14.0	0.40	0.77		2140
0.08	54	27.1	18.7	0.517	0.75	2172 🎔 40	2140

0.27	56	27.6	18.3	0.512	0.66	2090 �37		2104
	95	40.6	31.9	0.441	0.57	2126 �32		2143
	42	19	14	0.47	0.8	2116 �41		2141
	63	32.2	21.5	0.528	0.62	2160 �36		2145
0.21	53	21	18.1	0.407	0.77	2149 �39		2114
0	55	29.1	18.6	0.544	1.16	2129 💮 37		2134
	61	29	20.8	0.494	0.67	2162 �37		2114
	101	62	34	0.635	0.48	2132 🔶 31		2177
	38	16.2	12.9	0.444	0.88	2155 �44		2199
0.07	52	27	18.1	0.537	0.71	2188 �39		2113
	82	29	27.8	0.364	0.63	2138 �33		2130
	78	48.3	27.6	0.638	0.57	2221 35		2174
	106	65.4	35.7	0.638	0.47	2136 🏟 30		2147
	49	26.5	17.3	0.56	0.72	2220 �44		2136
0	109	42.9	38.8	0.407	0.73	2234 �37	•	2104
0.16			0			0	0	2111
0			0			0	0	2145
0.2	294	194	90	0.683	0.27	1973 �26		2139
0.04	230	108	73	0.483	0.53	2038 @27		2120
0.08	149	57	47	0.393	0.46	2004 @29		2125
0.35	268	139	83	0.536	0.69	1996 @26		2105
0.06	281	155	89	0.57	0.32	2029 @27		2120
0.1	138	75	43	0 563	0.42	2010 @30		2122
0.26	149	60	46	0.415	0.46	1990 @29		2122
0.14	187	94	63	0.519	0.32	2147 •38		2122
0.38	211	84	65	0.412	0.51	1992 @31		2105
0.09	159	63	53	0.41	0.38	2117 @28		2110
0	440	460	143	1.081	0.95	2071 @26		2147
	135	67	43	0.511	0.41	2029 @29		2153
0.02	186	73	61	0.407	0.4	2082 @29		2148
0.1	173	101	57	0.604	0.62	2081 @29		2154
••••			0.00451		0.02	<b></b>		
0.39	962	965	274	1.036	0.32	1845 �25		
0.55	145	49	39	0.347	0.65	1756 �24		2107
1.51	165	62	53	0.386	0.46	2056 �30		2118
0.34	282	150	81	0.552	0.34	1863 �25		2129
	172	89	51	0.532	0.87	1915 �29		2147
0.16	80	53	26	0.69	1.41	2081 �23		2124
 	163	96	53	0.6	0.24	2072 @20		2136
0.03	217	150	73	0.72	0.55	2130 @27		2117
0.16	94	35	31	0.38	1.22	2080 �34		2128
0.03	153	73	49	0.49	0.94	2038 �27		2129
0.01	135	69	43	0.53	0.47	2020 �20		2124
0.19	135	69	43	0.53	0.42	2033 �25		2121
0.02	201	94	68	0.48	0.24	2124 �23		2121
0	236	147	76	0.64	0.21	2056 �18		2130
	110	54	35	0.51	0.32	2021 �34		2132
0.06	158	102	50	0.66	0.61	2032 �19		2121
0.02	140	105	46	0.77	0.73	2074 �33		2130

0.19	74	42	24	0.59	0.35	2051 �23		2162
	100	50	32	0.52	0.33	2032 �21		2134
0.47	547	178	164	0.34	1.15	1929 �39		2080
	145	111	47	0.79	1.52	2065 �24		2121
0.27	150	78	46	0.53	0.27	1965 �19		2128
0.15	139	84	43	0.62	0.75	1993 🏟 19		2124
0.1	151	119	50	0.81	0.24	2096 🎪 27		2120
0.06	309	98	98	0.33	0.36	2026 @32		2119
0.00	214	110	68	0.58	0.00	$2020 \oplus 02$ 2043 $2023$		2124
0.00	217	110	00	0.00	0.22	2040 \$20		2127
0.09	173	112	52	0.67	0.97	1923 �18		2119
0.49	297	76	75	0.26	0.31	1672 �21		2089
0.08	262	102	88	0.76	0.25	2130 📣 20		2120
0.00	557	318	181	0.70	0.23	$2100 \oplus 20$		2120
0.01	007	310	101	0.59	0.13	2013 423		2131
0.07	0//	400	202	0.55	0.11			2133
0.08	832	344	274	0.43	0.14	2094 🍫 19		2149
0.09	83	39	28	0.49	0.37	2136 �23		2167
0.12	152	79	52	0.54	0.48	2150 �20		2172
	2573	1025	37	0.41	0.08	108 �1		184
0.04	521	233	150	0.46	0.56	1860 �18		1852
1.15	143	72	44	0.52	0.48	1971 �25		2141
0.35	46	6	14	0.13	1.7	1926 �48		2188
0.07	90	27	19	0.31	0.59	1437 �21		2191
0.03	200	62	68	0 321	0.81	2160 📣 16		2170
0.03	200	102	154	0.321	0.01	2100 10		2179
0.00	400	127	104	0.202	0.69			2109
0.03	042	320	213	0.525	0.82	2104 11		2180
80.0	4/3	135	153	0.294	0.38	2059 12		2178
0.03	748	419	246	0.579	0.16	2087 11		21/3
0.05	426	128	138	0.309	0.55	2062 �13		2188
0.18	769	619	155	0.831	0.4	1356 �19		2116
0.08	807	542	235	0.693	0.47	1881 •13		2172
0.11	829	643	217	0.801	0.45	1711 12		2171
0.17	867	360	192	0.429	0.35	1481 🐼 11		2140
0.17	1221	877	408	0.420	0.00	2110 413		2196
0 06	629	502	400	0.742	0.39	2119 <b>V</b> 13		2100
0.06	030	503	179	0.015	0.42			2102
0.1	888	//0	242	0.903	0.57	1779 🗣 15	0	2100
0.02		400	0	0.055		U 1000 \$ 11	0	21/5
0.91	511	423	158	0.855	4	1982 🏶 11		2187
0.19	635	172	170	0.28	3.18	1752 �\$50		2172
0.19	347	59	109	0.175	0.76	2001 �31		2131
0.03	458	67	152	0.152	0.28	2102 <b>@</b> 21		2128
0.31	277	31	88	0.117	1.04	2027 <b>@</b> 21		2124
0.07	423	103	139	0.25	0.24	2092 221		2134
0.03	278	49	92	0 181	0.34	2103 222		2131
0.00	707	1/6	2/0	0.101	1 22	2150 + 22		2132
 0.1	212	10	102	0.210	0.34	2081 \$21		2130
	010		100	0.101	0.07			2100

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	0.03	667	167	223	0.259	0.2	2119 �20	2131
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		623	301	205	0.498	5.51	2093 �25	2140
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.02	359	75	119	0.215	0.69	2100 �21	2127
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.02	442	87	144	0.202	0.53	2074 �21	2122
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.01	378	65	123	0.177	0.71	2065 �21	2143
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.35	322	92	101	0.294	0.4	2010 �24	2132
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.2	345	73	112	0.219	0.82	2060 �21	2130
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.09	700	186	222	0.275	0.19	2029 �20	2137
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.12	604	202	200	0.346	1.25	2099 �20	2137
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.06	340	48	110	0.147	0.33	2064 �21	2137
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.03	385	87	128	0.233	1.08	2109 �21	2148
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.54	137	55	40	0.413	0.38	1866 �22	2177
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.01	1166	351	385	0.311	0.55	2098 �20	2131
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.02	89	22	31	0.251	0.92	2175 �23	2153
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.03	215	82	67	0.395	0.3	1998 �16	2163
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.01	238	60	81	0.262	1.05	2158 �16	2160
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		90	26	29	0.296	1.3	2076 �22	2172
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.06	85	22	29	0.271	0.52	2162 �22	2166
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.1	90	21	31	0.247	0.54	2184 �23	2184
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.01	129	36	44	0.288	0.42	2146 �19	2188
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.04	155	36	50	0.242	0.82	2048 �17	2184
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	532	175	170	0.34	0.71	2042 �30	2170
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.08	96	25	32	0.266	0.77	2133 �21	2173
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.09	73	17	24	0.238	0.58	2102 •23	2194
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.04	254	94	82	0.381	0.49	2053 🌒 15	2173
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							·	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		743	148	97	0.206	2.74	913 �5	949
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.14	239	71	66	0.308	0.31	1806 �13	2168
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.06	347	91	104	0.272	1.05	1927 �13	2179
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	1159	338	376	0.302	0.8	2067 �13	2164
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$								
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.04	47	24	16	0.53	0.81	2209 �30	2178
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.09	72	54	25	0.78	0.58	2195 �25	2149
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.64	60	22	20	0.37	0.84	2112 �27	2093
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.06	39	18	13	0.48	0.93	2114 �32	2136
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		46	17	16	0.37	0.92	2193 �30	2198
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.18	72	33	25	0.47	1.16	2179 �25	2148
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.09	185	109	63	0.61	0.38	2136 �16	2196
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.26	61	42	21	0.71	0.63	2164 �26	2147
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.14	60	16	21	0.28	0.92	2208 •27	2143
	0.25	79	50	27	0.65	0.58	2160 �24	2149
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.59	34	17	12	0.52	0.96	2119 �34	2160
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.57	80	55	27	0.72	0.56	2164 �24	2167
0.13       57       29       20       0.52       0.76       2162       228       2166         0.12       32       17       11       0.56       0.96       2167       36       2157         0.06       71       40       25       0.57       0.66       2237       226       2160         0.04       51       24       18       0.49       0.81       2246       330       2165         0.03       76       41       26       0.55       0.64       2188       225       2150	0.03	162	143	55	0.91	0.42	2146 🌒 18	2172
0.12       32       17       11       0.56       0.96       2167       336       2157         0.06       71       40       25       0.57       0.66       2237       226       2160         0.04       51       24       18       0.49       0.81       2246       330       2165         0.03       76       41       26       0.55       0.64       2188       225       2150	0.13	57	29	20	0.52	0.76	2162 •28	2166
0.06         71         40         25         0.57         0.66         2237         26         2160           0.04         51         24         18         0.49         0.81         2246         230         2165           0.03         76         41         26         0.55         0.64         2188         225         2150	0.12	32	17	11	0.56	0.96	2167 •36	2157
0.04         51         24         18         0.49         0.81         2246         30         2165           0.03         76         41         26         0.55         0.64         2188         \$25         2150	0.06	71	40	25	0.57	0.66	2237 426	2160
0.03 76 41 26 0.55 0.64 2188 \$25 2150	0.04	51	24	18	0.49	0.81	2246 �30	2165
	0.03	76	41	26	0.55	0.64	2188 •25	2150

0.06	123	116	42	0.98	0.57	2168 �23	2156
	72	40	23	0.57	0.43	2038 �27	2168
0.1	170	66	58	0.4	0.3	2167 �21	2176
0.03	53	14	18	0.26	0.63	2146 �29	2177
0.41	119	307	37	2.67	0.26	2018 �22	2209
0.37	76	159	25	2.17	1.2	2116 �26	2219
0.67	158	131	52	0.85	1.46	2096 �22	2228
0.69	125	116	41	0.96	0.93	2098 �22	2244
	416	95	37	0.24	0.62	641 �6	696
0.03	443	101	138	0.23	0.42	1988 �20	1997
1.35	104	19	30	0.19	0.84	1885 �26	2246
0.59	99	231	28	2.4	2.03	1849 �22	2252
1.63	191	582	33	3.15	0.75	1182 �16	2296
1.5	90	174	29	1.98	0.32	2032 �24	2299
0.43	163	87	54	0.55	0.43	2091 🌒 17	2114
0.47	161	75	55	0.48	0.44	2142 🏶 18	2120
0.14	258	128	86	0.51	0.35	2117 �15	2131
0.05	148	53	49	0.37	0.51	2104 🏶 18	2133
0.21	171	85	57	0.51	0.44	2100 �17	2143
0.11	136	52	46	0.4	0.53	2126 �19	2144
0.09	162	80	52	0.51	0.45	2061 �17	2145
0.03	157	44	53	0.29	0.57	2150 �18	2153
0	148	54	51	0.38	0.53	2160 �19	2153
0.01	177	53	61	0.31	0.52	2181 �17	2154
0.04	182	66	62	0.37	0.46	2139 �17	2154
0.23	184	106	61	0.59	0.42	2105 �16	2162
0.15	212	76	69	0.37	0.44	2069 �16	2163
	144	51	48	0.37	0.53	2123 �18	2165
	235	147	78	0.65	0.33	2100 �15	2169
1.05	316	87	68	0.28	1.33	1445 �33	2139
2.49	1013	122	42	0.12	1.37	306 🏶 14	
0.35	240	110	59	0.47	2.1	1621 �47	2165
0.29	728	548	246	0.78	0.38	2141 �22	2141
0.08	179	89	58	0.52	0.29	2072 �21	2138
0.03	405	150	133	0.38	1.03	2087 �23	2144
0.03	500	326	168	0.67	0.46	2134 �19	2148
0.05	371	180	123	0.5	0.19	2106 �19	2148
0.01	994	1037	335	1.08	0.1	2134 🏶 17	2132
	502	226	166	0.47	0.17	2102 �18	2137
0.1	392	160	134	0.42	0.19	2156 �19	2144
0.53	263	112	84	0.44	0.76	2049 �19	2166
0.38	297	239	96	0.83	0.2	2068 �19	2178
4.14	204	75	52	0.38	2.1	1676 �27	2331
6.45	227	60	60	0.27	0.67	1733 �17	2360
0.57	663	562	197	0.88	0.13	1919 �16	2151

1.35	484	295	152	0.63	0.57	2003 �17	2188
2.19	466	307	140	0.68	0.43	1929 �26	2386
2.77	61	14	20	0.24	0.68	2058 �29	2530
1.51	196	63	64	0.33	0.34	2073 �22	2287
0.01	1365	1502	424	1.14	0.1	1988 �19	2139
2.61	779	115	134	0.15	2.3	1180 �22	2209
1.49	188	71	60	0.39	0.33	2041 �21	2415
3.09	564	385	43	0.7	0.38	554 �7	1669
0.12	1063	1113	316	1.08	0.19	1913 �19	2158
8.66	95	18	24	0.2	0.52	1642 �23	2635
0.02	1176	1305	382	1.15	0.09	2068 �17	2133
	74	27	24	0.38	0.46	2089 �27	2186
	91	42	30	0.48	0.4	2118 �24	2177
0.07	89	31	31	0.35	0.77	2172 �25	2159
0.05	91	39	31	0.45	0.4	2132 �24	2181
	174	64	57	0.38	0.31	2087 �21	2183
	62	22	21	0.36	0.53	2141 �28	2154
0.03	454	76	155	0.17	0.24	2157 �18	2164
	55	16	19	0.3	0.58	2141 �28	2181
0.05	187	60	63	0.33	0.31	2127 �21	2168
0.02	86	29	29	0.36	0.45	2140 �25	2184
0.04	163	57	55	0.36	0.32	2143 �21	2148
0	64	22	21	0.35	0.51	2111 �27	2185
	23	6	8	0.28	0.93	2176 �41	2160
0.07	26	8	9	0.33	0.87	2101 �38	2186
0.13	68	19	23	0.29	0.54	2110 �27	2196
0.19	40	13	14	0.32	0.69	2182 �62	2132
	95	38	32	0.41	0.42	2129 �24	2189
	37	11	12	0.3	0.71	2092 �32	2219
0.07	47	12	16	0.27	0.69	2166 �31	2219
0.02	1114	348	421	0.32	0.13	2349 �21	2130
0.12	258	131	82	0.52	0.22	2034 �19	2112
0.06	475	253	153	0.55	0.16	2053 �37	2108
0.02	478	206	154	0.45	0.17	2057 �18	2110
0.07	340	194	108	0.59	0.19	2029 �21	2122
0.02	378	303	121	0.83	0.17	2043 �26	2115
0.02	227	109	73	0.5	0.25	2052 •19	2127
0.02	372	181	119	0.5	0.19	2040 �18	2113
0	732	430	239	0.61	0.13	2076 •21	2088
0.01	591	296	191	0.52	0.48	2062 �20	2096
0.01	406	182	130	0.46	0.2	2042 �18	2117
	222	101	72	0.47	0.24	2067 •19	2126
0	468	232	151	0.51	0.16	2058 �18	2120
0.07	165	44	53	0.28	0.94	2055 �45	2151
0.13	96	45	32	0.48	0.39	2096 �24	2156
0.14	253	83	83	0.34	0.27	2084 �20	2191
0.02	343	33	105	0.1	0.33	1970 �34	2081
	277	163	88	0.61	0.54	2040 �35	2082

	217	124	68	0.59	0.22	2009 �35	2084
0.17	296	150	94	0.53	0.31	2032 �36	2093
	225	83	73	0.38	0.26	2068 �36	2147
0.12	246	187	86	0.78	1.31	2194 �76	2151
0.17	155	141	49	0.94	0.44	2027 �35	2152
	224	167	81	0.77	0.33	2261 �40	2184
0.52	112	61	36	0.56	0.3	2073 �37	2214
0.17	161	78	48	0.5	0.28	1914 �34	2119
0.08	276	263	83	0.98	0.18	1931 �33	2134
0.32	166	120	48	0.74	0.24	1881 �33	2141
0.49	115	78	33	0.7	0.29	1863 �34	2142
0.5	156	127	47	0.84	0.88	1925 �34	2162
0.22	150	41	45	0.28	0.48	1918 �32	2104
0.18	310	79	98	0.26	0.36	2023 �31	2105
0.45	270	171	84	0.65	0.28	1991 �31	2105
0.22	148	96	46	0.67	0.38	2009 �34	2106
0.16	211	47	65	0.23	0.45	1985 �31	2107
0.17	394	101	121	0.26	0.33	1964 �29	2110
0.08	273	74	85	0.28	0.33	1996 �30	2114
0.15	317	372	102	1.21	0.38	2044 �31	2115
0.18	301	64	91	0.22	0.39	1949 �30	2119
0.21	393	297	126	0.78	0.22	2042 �30	2119
0.52	188	141	59	0.78	0.31	2004 �32	2125
0.14	244	94	78	0.4	0.34	2035 �32	2126
0.02	359	98	113	0.28	0.33	2012 �30	2127
0.13	156	44	51	0.29	0.42	2093 �33	2127
0.29	360	346	119	1	0.77	2108 �31	2134
0.03	216	86	66	0.41	0.39	1973 �32	2135
0.5	96	100	29	1.08	0.45	1975 �37	2137
0.42	104	196	33	1.94	0.38	2024 �37	2160
0.18	173	72	99	0.43	0.38	3288 �48	3522
0.14	110	54	67	0.51	0.49	3447 �56	3622
44.40	740	4000		4.40	0 70	1000 \$ 00	0007
11.12	/18	1039	141	1.49	0.73	1329 426	2037
0.45	257	100	70	0.4	0.35	1/8/ 429	2084
0.55	103	55	30	0.55	0.49	1857 🕸 34	2098
0.23	347	104	100	0.31	0.88	1862 @28	2099
0.35	241	70	69	0.3	0.41	1856 \$30	2104
0.19	298	186	86	0.65	0.28	1876 429	2113
4.42	361	139	106	0.4	0.44	1893 429	2146
1.03	168	108	49	0.66	0.72	1885 \$32	2149
 0.00	69	32	23	0.48	0.56	2096 4039	2163
2.88	159	78	53	0.51	0.35	2118 \$34	2167
 0.00	112	80	33	0.73	0.42	1893 \$34	21/2
2.28	162	114	56	0.73	0.31		21/2
14.11	138	81	52	0.61	0.37	2348 \$39	2193
0.09	190	139	65	0.76	0.33	2158 \$34	2227
0.35	380	141	106	0.38	0.32	1818 🏶28	2312
0.01	385	254	116	0.68	1.53	1942 �30	2087
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0.07	139	57	45	0.43	0.33	2056 �30	2091
0.04	591	379	188	0.66	0.2	2033 �28	2093
0.06	371	167	118	0.47	0.19	2034 �27	2094
	224	78	73	0.36	0.28	2065 �29	2094
0.02	253	95	81	0.39	0.95	2049 �28	2095
0.01	400	206	131	0.53	0.58	2076 🏟 29	2096
0.04	276	132	89	0.49	0.99	2058 �28	2098
0.07	374	144	115	0.4	0.23	1965 •27	2112
0.21	206	111	71	0.55	0.95	2163 �31	2115
0.2	415	174	130	0.43	0.85	2008 •28	2115
 •	209	104	65	0.52	0.42	1984 •28	2122
						••••	
	436	166	114	0.39	0.6	1707 �38	2085
0.25	412	119	93	0.3	0.25	1508 �40	2088
						• • • •	
0.1	121	126	39	1.08	0.3	2054 �31	2075
0.06	169	95	54	0.58	0.29	2047 �29	2087
	150	152	49	1.05	0.26	2060 �30	2094
0.14	232	191	74	0.85	0.23	2029 �28	2098
0.04	168	206	54	1.27	0.25	2065 �30	2099
0.13	169	128	54	0.78	0.26	2032 �29	2099
0.04	626	364	197	0.6	0.27	2015 �27	2100
0.07	145	129	47	0.92	0.69	2047 �30	2103
	312	249	101	0.83	0.33	2071 �28	2105
0.13	339	284	101	0.86	0.53	1924 �29	2109
0.18	129	114	42	0.91	0.31	2063 �30	2114
0.22	344	372	108	1.12	0.18	1999 �27	2125
0.27	42	64	13	1.57	0.49	2030 �37	2135
0.67	149	153	47	1.06	0.27	2009 �29	2145
0.24	239	258	67	1.12	0.91	1833 �26	2139
0.14	219	186	60	0.88	0.38	1796 �32	2074
0.32	139	141	41	1.05	0.49	1898 �28	2105
0.23	275	278	82	1.04	0.78	1925 �35	2118
0.33	465	422	133	0.94	0.65	1856 �25	2127
0.44	131	152	39	1.2	0.29	1910 �29	2150
0.63	123	180	32	1.51	0.3	1724 �26	2152
	263	97	87	0.38	0.44	2110 �29	2103
	73	64	25	0.9	0.38	2136 �45	2123
	354	151	117	0.44	0.61	2094 �28	2116
0.07	135	73	45	0.56	0.31	2133 �31	2124
0.12	287	66	100	0.24	2.4	2192 �30	2130
0.02	350	165	115	0.49	0.2	2082 �28	2118
0.02	471	136	160	0.3	0.99	2147 �28	2120
0.06	164	65	56	0.41	1.16	2157 �32	2136
0.05	461	147	158	0.33	0.2	2164 �29	2146
	51	52	17	1.07	0.45	2169 �37	2158
0.04	348	226	117	0.67	1.31	2133 �31	2158

0.01	173	97	57	0.58	1.08	2101 �30	2148
0.01	380	270	127	0.73	0.21	2112 �28	2160
	229	224	75	1.01	0.22	2092 �29	2146
0.01	206	148	66	0.74	0.23	2041 �28	2153
0.02	169	108	53	0.66	0.52	2022 �29	2156
0.04	357	149	109	0.43	0.49	1968 �27	2139
0.06	458	402	150	0.91	0.47	2085 �32	2207
0.29	313	104	95	0.34	0.28	1952 �27	2172
0.1	539	381	217	0.73	2.01	2482 �32	2145
0.04	767	388	280	0.52	5.49	2286 �32	2170
0.24	2024	214	570	0.11	0.17	1828 �41	2067
0.02	171	109	48	0.66	1.05	1836 �26	2152
0.21	710	290	193	0.42	0.7	1770 �30	2128
0.13	248	91	59	0.38	0.37	1566 �475	2090
0.21	202	80	46	0.41	0.8	1525 �23	2176
0.24	295	135	66	0.47	0.2	1498 �23	2166
0.26	2725	234	475	0.09	0.14	1192 �21	2038
1.36	829	214	120	0.27	1.69	1008 �28	2267
0.02	843	237	63	0.29	0.17	541 �11	549
	161	143	51	0.92	0.41	2032 �29	2112
	159	89	48	0.58	0.51	1936 �31	2113
0.04	563	112	169	0.21	0.21	1932 �26	2118
0.09	326	327	102	1.03	0.29	1997 �27	2126
0.09	329	155	110	0.49	1.09	2114 �28	2136
0.03	425	246	129	0.6	1.43	1950 �42	2145
0.06	300	196	102	0.68	0.19	2146 • 29	2150
0.14	417	288	141	0.71	0.64	2142 @31	2212
0.01	161	54	58	0.35	0.82	2274 @32	2329
 	308	171	131	0.58	0.2	2586 • 40	2570
0.01	334	270	126	0.84	0.18	2346 �31	2571
 	291	154	83	0.55	3.05	1850 �72	2081
0.15	526	65	125	0.13	1.01	15/2 426	2128
 	76	44	22	0.6	0.38	1884 @29	2130
0.05	403	275	117	0.71	0.97	18/1 @32	2142
0.59	364	87	61	0.25	4.33	1147 🐠 19	2155
0.14	389	44	116	0.12	0.52	1926 4929	2157
0.21	363	159	111	0.45	0.45	1961 (\$32	2159
0.17	118	21	13	0.18	0.46	803 18	2196
0.01	385	8	167	0.02	0.69	2638 🏶 34	2893
0.1	167	106	56	0.66	0.44	2124 �25	2073
0.04	99	49	33	0.51	0.65	2110 �30	2077
0.56	56	62	19	1.14	0.66	2109 �36	2080
0.02	144	128	46	0.92	0.45	2057 �26	2080
0.03	128	62	41	0.5	0.58	2051 �27	2084
	158	117	50	0.76	0.76	2027 �25	2089
0.03	137	63	44	0.48	0.56	2053 �27	2089
	547	310	184	0.58	0.53	2126 �37	2091

0.04	313	266	103	0.88	0.32	2084 �22	2101
0	310	137	98	0.46	0.38	2015 �21	2102
0.68	239	179	76	0.77	0.34	2027 �22	2102
	96	75	32	0.8	0.55	2081 �30	2104
0	203	87	66	0.44	0.82	2056 �24	2105
0.03	225	105	73	0.48	0.43	2070 🏟 23	2106
	112	52	36	0.48	0.62	2063 �29	2108
0.02	230	105	74	0.47	0.43	2044 🏟 23	2108
 	151	100	47	0.68	0.49	1992 @26	2128
						····	
0	69	45	18	0.68	0.76	1716 �31	2144
0.42	752	103	71	0.14	2.33	675 �30	1882
						·	
0.19	64	26	21	0.43	0.6	2121 �30	2056
	145	90	50	0.64	0.39	2168 �71	2057
0.07	156	156	49	1.03	0.32	2007 •22	2073
0.28	261	115	79	0.46	0.29	1955 �18	2074
0.02	156	85	52	0.57	0.63	2125 223	2074
0.77	160	129	49	0.83	0.35	1974 @22	2080
0.26	143		48	0.66	0.37	2125 •23	2082
0.14	264	208	86	0.81	1 02	2070 •38	2084
0.12	171	88	55	0.53	0.35	2059 222	2085
0.05	128	86	42	0.7	0.38	2096 •24	2085
0.05	134	64	44	0.49	0.00	2102 •24	2098
0.00	82	57	26	0.72	0.45	2018 @26	2099
0.0	116	71	38	0.63	0.40	2010 \$20	2000
0.08	124	79	38	0.65	0.39	1970 423	2109
 0.00	127	66	42	0.53	0.39	2107 23	2100
0.13	154	131	49	0.88	0.33	2022	2115
0.08	94	60	30	0.66	0.39	2022 + 22 2036 <b>4</b> 49	2123
0.00	148	153	50	1 07	0.00	2123 460	2126
0.10	140	100	00	1.07	0.70	2120 400	2120
	153	66	54	0.45	1.12	2196 �65	2143
			0.29%				
0.26	133	157	43	1.22	0.61	2049 �77	2006
0	95	52	33	0.57	0.46	2210 •69	2075
1.91	159	111	49	0.72	1.21	1968 @21	2085
0.62	222	139	64	0.65	0.28	1875 •18	2089
1.02	189	100	57	0.55	0.33	1937 •20	2110
6.15	117	92	39	0.81	1.73	2134 • 40	2137
••••		•=					
0.06	557	505	169	0.94	0.43	1950 �19	2080
0.03	577	527	185	0.94	0.21	2040 🌒 19	2080
0.01	553	729	176	1.36	0.51	2037 •24	2083
0.06	435	669	144	1.59	1.16	2100 21	2089
 	467	388	150	0.86	0.56	2046 20	2092
0.2	553	444	168	0.83	0.44	1954 •49	2094
0.43	631	587	205	0.96	0.23	2070 20	2096
						v·	
	760	464	248	0.63	0.43	2074 🌒 19	2106
0.11	478	390	149	0.84	0.85	1995 🌒 19	2128
						•	-

1.07	857	774	125	0.93	0.59	1011 �12	1904
0.05	431	332	115	0.8	0.57	1742 �25	2050
0.03	520	587	130	1.17	0.93	1649 <b>•</b> 52	2061
0.15	643	820	183	1.32	0.46	1844 🌒 17	2079
0.07	616	622	177	1.04	0.72	1865 •18	2089
0.08	438	435	125	1.03	0.25	1846 @23	2094
0.33	444	357	71	0.83	1	1101 @39	2099
0.72	630	430	179	0.71	1 16	1839 467	2100
0.16	491	148	122	0.31	0.59	1642 17	2105
5 76	423	356	159	0.87	2 35	2337 433	2135
0.70	420	000	100	0.07	2.00	2007 ₩00	2100
	131	112	42	0.88	0.46	2059 �27	2133
0	144	129	48	0.93	0.41	2126 �26	2140
0.05	122	102	42	0.86	0.47	2152 �28	2141
0.03	285	300	96	1.09	0.29	2138 🔶 22	2143
0.03	90	56	31	0.64	0.6	2183 •31	2143
0.05	131	76	43	0.6	0.52	2092 @27	2145
0.01	209	98	71	0.48	0.44	2141 •24	2148
0	161	141	54	0.9	0.4	2114 • 25	2152
 -	146	130	49	0.92	0.4	2137 •26	2154
	109	78	34	0.74	0.55	1976 •28	2154
0.03	206	149	69	0.74	0.39	2111 @24	2154
0.12	133	59	44	0.46	0.57	2092	2157
 0.12	94	61	32	0.67	0.59	2126 @31	2160
	162	146	56	0.93	0.38	2193 426	2161
	83	64	28	0.00	0.87	2149 31	2162
	105	79	34	0.78	0.53	2047 428	2102
	100	10	01	0.70	0.00	2011 420	2100
0.08	134	139	43	1.07	0.37	2067 �24	2082
0.15	297	221	90	0.77	0.26	1955 �19	2086
0.07	170	138	55	0.84	0.35	2077 �23	2086
	221	205	72	0.96	0.83	2085 �21	2096
0.6	282	279	85	1.02	0.25	1946 �19	2104
0.48	171	158	56	0.95	0.59	2089 �22	2109
0.02	214	216	68	1.04	0.5	2028 �21	2111
0.13	189	164	60	0.9	0.31	2034 �21	2112
	119	88	39	0.77	0.73	2063 �24	2121
	91	61	29	0.69	0.51	2058 �27	2128
 	61	48	20	0.8	0.59	2113 @31	2051
1.21	388	399	91	1.06	0.45	1561 15	2070
1.15	150	96	37	0.66	0.41	1625 •19	2073
4.61	314	133	62	0.44	0.3	1336 �14	2104
0.55	184	122	55	0.68	0.76	1914 �53	2115
0.78	264	221	70	0.87	1.21	1737 �17	2116
4.54	150	148	36	1.02	0.33	1601 �19	2122
0.45	261	256	78	1.01	0.25	1930 �19	2137
3.16	264	169	66	0.66	0.73	1656 �36	2149
1.2	218	221	68	1.04	1.18	1994 �34	2162
1.5	91	97	31	1.09	0.48	2130 �29	2166
3.81	508	345	77	0.7	1.45	1044 �16	2175

0.13	222	63	71	0.292	1.42	2048 �21	2062
0.16	45	29	14	0.667	0.73	2008 �34	2069
0.05	191	78	58	0.421	0.4	1955 �36	2074
0.12	153	61	51	0.411	0.74	2108 �24	2075
0.09	131	44	42	0.348	1.86	2033 �24	2077
0.06	162	49	52	0.314	0.51	2044 �23	2083
0.04	61	53	20	0.894	0.58	2048 �31	2092
0.05	123	68	41	0.57	0.74	2102 �25	2095
0.02	111	32	37	0.296	1.6	2090 �26	2098
0.11	60	40	20	0.682	0.64	2085 �32	2100
	119	48	36	0.42	0.52	1946 �24	2102
	60	46	20	0.792	0.59	2090 �32	2129
0.26	146	37	29	0.259	0.56	1331 �37	2072
0.04	71	43	18	0.625	4.9	1664 �38	2083
	121	50	32	0.427	1.4	1755 �22	2093
0.39	539	110	173	0.21	0.26	2045 �17	2081
0.05	778	202	259	0.27	0.19	2112 �17	2082
0.12	391	165	129	0.43	0.68	2086 �18	2085
0.13	685	135	224	0.2	0.23	2078 �17	2086
	353	159	115	0.46	0.58	2075 �18	2086
0.15	303	55	98	0.19	1	2066 �19	2087
0.02	470	90	154	0.2	0.28	2088 �18	2088
0.02	725	212	239	0.3	0.19	2092 �21	2088
0.01	594	145	191	0.25	0.23	2047 �17	2091
 	739	209	242	0.29	0.19	2080 •17	2093
0.18	315	100	102	0.33	0.88	2061 •19	2110
	264	159	85	0.62	0.26	2055 �19	2126
0.18	419	76	167	0.19	0.28	2457 �20	2076
0.16	1844	1479	590	0.83	0.38	2041 �27	2086
0.15	991	386	288	0.4	0.58	1878 �15	2090
0.19	207	103	67	0.52	0.64	2051 �25	2057
0.06	281	153	91	0.56	0.29	2058 �24	2062
0.17	148	57	48	0.4	0.45	2072 �28	2072
0.3	150	59	47	0.41	0.42	1990 �26	2073
0.06	194	98	63	0.52	0.36	2059 �26	2080
0.03	183	104	59	0.59	0.36	2065 �26	2082
0.05	372	115	118	0.32	0.3	2023 �23	2086
0.03	384	283	119	0.76	0.22	1987 �22	2088
0	439	166	131	0.39	0.67	1925 �21	2089
0.07	227	134	74	0.61	0.31	2069 �25	2092
0.26	149	90	47	0.63	0.4	2004 �27	2093
0.15	276	139	83	0.52	1.29	1938 �23	2094
0.02	177	66	56	0.38	0.91	2016 �26	2095
	212	70	68	0.34	0.39	2041 �25	2100
0.47	176	77	50	0.45	0.38	1852 �24	2107
0.19	197	66	52	0.35	1.1	1733 �22	2114

0.1	345	66	108	0.2	1.22	1995 �41	2070
0.24	436	103	138	0.24	0.31	2017 222	2072
0.05	223	52	72	0.24	0.43	2068 26	2078
0.00	225	55	74	0.24	0.46	2000 \$20	2010
0.00	225	140	14	0.20	0.40	2007 120	2002
0.48	406	148	131	0.38	0.28	2051 423	2085
0.23	297	((	89	0.27	0.35	1928 🏶 23	2085
0.86	349	84	114	0.25	0.34	2076 �24	2087
0.07	836	139	263	0.17	0.42	2010 �26	2087
0.07	498	69	150	0.14	0.37	1944 �21	2091
0.09	213	62	66	0.3	1.15	1974 25	2093
0.77	411	109	130	0.27	0.44	2016 26	2008
0.05	146	70	45	0.56	0.44	1006 428	2000
0.05	140	79	45	0.00	0.45		2099
0.15	277	59	91	0.22	0.41	2081 124	2100
0.13	230	55	71	0.25	0.43	1988 🏶 24	2100
0.13	335	83	100	0.26	0.36	1923 �29	2109
0.01	273	57	86	0.22	0.41	2011 �24	2109
0.13	949	79	73	0.09	0.81	554 �6	1951
0.58	174	62	43	0.37	1 02	1624 •30	2071
0.00	010	160	355	0.18	1.85	230/ 4070	2081
0.10	050	100	269	0.10	0.07	1000 \$20	2001
0.39	952	131	200	0.14	0.27		2000
3.16	219	49	71	0.23	0.43	2059 🍫 25	2133
0.76	355	93	83	0.271	0.32	1558 �20	2061
0.18	248	84	76	0.352	0.35	1965 �31	2076
0.01	137	41	42	0.307	0.45	1962 �27	2079
0.07	151	47	46	0.321	0.82	1964 �27	2085
0.31	145	32	43	0.23	0.48	1908 •44	2087
0.05	287	64	Q1	0.20	0.10	2010 \$26	2080
0.00	207	56	91	0.20	0.37	2013 \$20	2003
0.03	200	50	02	0.221	0.37		2092
 	354	86	110	0.251	0.6	1995 420	2092
0.09	231	73	74	0.325	0.37	2054 🏶 33	2093
	100	27	32	0.276	0.57	2061 �30	2094
0.01	694	121	220	0.179	0.5	2021 �25	2097
	148	41	48	0.285	0.43	2050 �32	2097
0.23	627	151	213	0.248	0.45	2147 •28	2099
						v	
0.34	423	41	52	0 099	0 79	857 422	2108
0.03	101	59	54	0.000	2.05	1008 4 12	2100
0.03	101	50	54	0.331	2.95		2109
0.29	188	59	57	0.325	0.37	1962 420	2110
0.57	171	109	48	0.658	1.7	1824 🏶 29	2150
	134	62	44	0.482	0.36	2079 �28	2102
0.04	356	99	113	0.286	0.55	2027 �38	2087
0.06	252	87	80	0.358	0.81	2022 �33	2098
0.1	440	161	137	0.377	0.5	1997 �27	2089
 	329	80	101	0 252	1 09	1975 225	2101
0.66	3/0	142	106	0 4 2 1	3.6	1043 24	2112
0.00	106	172	50	0.721	0.0	1070 ¥727 1026 A20	2112
0.02	190	41	59	0.214	0.43	1920 1920	2110
4.04	040	~	00	0.000	0.04	4007 805	0400
1.01	313	61	98	0.203	0.34	1997 🏶25	2128

0.08	428	107	125	0.258	0.26	1889 �24	2093
0.9	370	82	102	0.229	1.56	1794 �25	2138
0.19	320	106	82	0.341	2.15	1693 �31	2110
0.69	391	129	87	0.34	6.27	1482 �63	2093
0.03	230	65	76	0.291	0.43	2088 �22	2076
0.03	658	112	207	0.176	1.15	2013 �18	2086
0.02	952	164	306	0.178	1.05	2051 �18	2090
0.18	579	140	181	0.25	0.28	1999 �18	2104
0.3	503	159	152	0.327	0.48	1946 �19	2118
0.7	353	91	83	0.268	1.78	1555 �22	2111
	107	49	35	0.477	0.54	2100 �26	2069
	136	67	45	0.511	1.96	2088 @25	2079
0.01	174	100	56	0.594	0.38	2053 @33	2080
0.07	243	134	81	0.569	0.33	2102 @22	2085
0.05	168	74	54	0.458	0.42	2052 @23	2087
0	213	95	69	0.462	0.39	2060 @22	2089
0.03	134	71	44	0.548	0.45	2075 •25	2093
 0.00	158	82	52	0.538	0.42	2085 @24	2094
	128	62	42	0.499	0.48	2062 • 25	2095
0.05	305	174	99	0.59	0.3	2060 @20	2099
 0.00	122	60	40	0.502	0.49	2075 • 25	2100
0.02	143	63	47	0.453	0.47	2075 •24	2103
 	142	65	46	0.472	0.45	2052 @24	2103
0	132	55	43	0.426	0.49	2063 �24	2106
0.07	407		40	0 500	4.00	0440 \$ 05	0074
0.07	127	63	43	0.509	1.23	2143 @25	2074
0.08	121	59	40	0.499	0.5	2079 425	2077
0.15	106	52	34	0.505	0.52	2041 426	2079
0.11	111	54	37	0.497	0.53	2089 426	2081
0.06	147	64	47	0.447	0.46	2051 424	2089
0.07	127	64	42	0.525	1	2106 425	2093
0.05	96	39	31	0.421	0.6	2062 �27	2052
0.23	49	13	16	0.263	0.98	2022 �34	2064
0.1	69	20	22	0.3	0.78	2041 �30	2071
0.01	169	76	55	0.468	0.43	2065 �23	2074
0.05	216	96	69	0.46	0.73	2037 �29	2078
0.03	149	79	48	0.55	0.41	2038 �23	2079
0.24	63	22	21	0.364	0.77	2086 �31	2080
0.01	254	111	81	0.452	1.03	2024 �21	2080
	116	45	37	0.4	0.54	2050 �26	2083
0.02	236	74	75	0.322	0.97	2036 �21	2083
	99	43	32	0.447	0.56	2085 �27	2085
	138	62	44	0.461	0.47	2025 �24	2091
	160	76	52	0.487	0.42	2072 �23	2093
0.02	142	65	45	0.472	0.45	2026 �24	2095
0.02	265	165	84	0.643	0.58	2018 �25	2095
0.01	303	141	97	0.478	0.35	2046 �20	2098
0.06	99	38	31	0.398	0.58	2024 �26	2098

0.03	143	63	46	0.457	0.47	2051 �24	2098
	147	68	47	0.48	0.45	2040 �24	2103
0	120	54	37	0.468	0.52	1984 �25	2108
				/ /			
0	167	83	56	0.511	0.42	2110 @24	2121
0.04	104	82	34	0.812	0.45	2086 @26	2124
0.13	65	31	21	0.498	0.66	2083 @31	2126
0.13	88	44	30	0.513	0.84	2133 @28	2129
0.02	348	71	116	0.211	7.74	2107 @20	2132
0.29	195	128	60	0.678	0.88	1988 @22	2133
0.19	130	76	41	0.601	0.75	2023 @35	2134
0.24	128	70	42	0.566	0.46	2086 @25	2134
	72	36	23	0.507	0.63	2053 •29	2134
0.13	71	44	23	0.651	0.59	2072 �30	2134
0.02	151	97	50	0.663	1.5	2082 �24	2139
	122	60	41	0.51	0.92	2114 �26	2143
0.02	127	61	42	0.494	0.48	2101 �25	2148
	80	39	26	0.502	0.59	2073 �28	2160
0 19	171	109	52	0 654	6 29	1944 🏟 30	2141
0.1	116	52	34	0 461	0.49	1883 @23	2143
0.1	110	02	01	0.101	0.10	1000 \ 20	2110
	99	45	33	0.47	0.51	2120 �25	2135
0.38	81	28	27	0.36	0.59	2125 �27	2167
	80	32	27	0.41	0.59	2120 �27	2153
0.19	70	26	22	0.38	0.64	1986 �27	2114
0.61	180	102	54	0.59	0.36	1940 �18	2130
0.26	78	38	23	0.5	2.97	1931 �26	2098
0.07	96	50	33	0.54	0.5	2169 �26	2087
0.09	65	38	22	0.59	0.59	2165 �31	2140
	96	54	33	0.58	0.48	2146 �25	2137
0.27	349	219	111	0.65	0.46	2025 �24	2166
	168	119	56	0.73	1.19	2104 �20	2143
0.05	216	169	67	0.81	0.31	2000 �18	2140
0.78	152	106	49	0.72	0.39	2065 �21	2116
0.08	167	125	54	0.78	0.36	2074 �20	2139
	80	42	26	0.55	0.56	2097 �28	2112
0.15	246	218	82	0.92	0.29	2116 �18	2110
	156	82	51	0.54	0.41	2094 �21	2123
	124	89	42	0.74	0.43	2147 �24	2133
4 82	96	65	32	0 69	0 47	2093 🐠 27	2092
4.02	50	00	52	0.00	0.47	2000 ₩21	2002
0	47	53	15	1.17	0.64	2035 �35	2055
0.96	429	82	133	0.2	0.43	1985 �52	2063
	252	317	73	1.3	1.2	1870 �26	2086
0.13	454	25	145	0.06	0.67	2034 �19	2088
0.9	495	139	152	0.29	0.28	1968 �18	2112
0.31	363	54	118	0 15	0 43	2064 🐠 26	2156
 0.01	54	30	18	0.10	0.40	2068	2166
0.1	119	49	40	0.43	0.51	2149 225	2172
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2.73	244	154	54	0.65	0.29	1472 �49	2032
3.83	1556	385	374	0.26	1.65	1589 �18	2040
1.29	478	43	158	0.09	1.25	2102 �19	2084
0.21	309	422	138	1.41	3.71	2704 �41	2120
1.1	185	219	57	1.22	0.67	1991 �21	2122
0.45	360	246	106	0.71	0.55	1894 �18	2126
1.39	178	187	47	1.09	1.16	1735 �20	2168
0.39	181	68	52	0.39	0.44	1857 �20	2099
0.26	216	104	68	0.5	1.26	2007 �88	2071
0	212	93	65	0.45	0.23	1963 �34	2079
0.08	287	185	92	0.67	0.49	2045 �38	2081
0.17	115	45	37	0.4	0.35	2061 �37	2081
0.19	203	110	62	0.56	2.67	1967 �93	2083
0.14	436	256	135	0.61	1.87	1987 �41	2085
0.08	330	226	105	0.71	0.32	2022 �35	2085
0.17	434	368	130	0.88	0.15	1923 �33	2088
0.22	496	397	149	0.83	0.24	1936 �33	2090
0.02	216	107	68	0.51	0.23	2021 �35	2093
0.17	488	389	154	0.82	0.27	2019 �35	2103
						·	
0.23	173	158	53	0.94	1.13	1964 �44	2145
0.59	57	18	21	0.33	0.59	2279 🔶 124	2147
0.1	254	127	84	0.51	0.25	2090 �36	2152
0.08	167	105	52	0.65	0.25	2011 �35	2157
0.11	138	140	44	1.05	0.44	2021 �36	2162
0.5	266	161	77	0.62	0.34	1864 �70	2071
0.09	427	421	119	1.02	3.3	1811 �87	2087
0.52	38	16	13.4	0.43	0.82	2202 �45	2130
0.09	41	30	14.8	0.76	0.73	2236 �46	2153
0.12	26	16	9.3	0.62	1.58	2230 �51	2155
0.37	34	16	12	0.5	0.82	2236 �47	2164
0.31	214	43	72.7	0.21	1.06	2147 �31	2165
0.2	31	21	10.6	0.71	0.77	2158 �46	2189
	59	31	20.8	0.54	0.62	2224 �40	2192
0.09	75	38	26.7	0.53	0.55	2244 �38	2201
0.08	163	129	56.7	0.81	0.8	2186 �40	2221
0	57	44	19.4	0.8	0.59	2163 �40	2227
0.09	36	22	12.5	0.64	0.77	2196 �46	2242
0.13	49	22	17.4	0.46	0.72	2236 �42	2244
0.13	28	18	10.6	0.66	0.89	2319 �53	2248
0.17	34	22	11.8	0.66	0.75	2183 �46	2255
0.08	43	15	15.2	0.35	0.85	2242 �45	2262
0.11	73	56	24.5	0.8	0.54	2131 �37	2262
	47	18	16.3	0.39	1.62	2202 �42	2263
0.2	32	15	11.1	0.48	0.86	2197 �47	2265
	44	24	15.5	0.56	0.72	2217 �44	2277
	31	19	11.2	0.63	0.97	2236 �54	2280

	55	42	19.8	0.79	0.6	2254 �41	2281
0.49	65	34	22.7	0.54	0.59	2190 �38	2299
1.14	15	7	5.3	0.45	1.23	2220 �62	2051
0.44	25	19	8.8	0.79	1.46	2250 �53	2118
1.41	65	29	22.6	0.47	0.99	2190 �39	2229
0.17	92	31	29	0.35	0.83	2034 �29	2059
0.01	255	86	82	0.35	0.48	2056 �21	2068
0.04	216	158	69	0.76	0.41	2046 �23	2082
0.05	50	18	17	0.37	1.11	2110 �37	2089
	57	19	18	0.35	1.15	1995 �36	2091
0.12	99	42	31	0.44	0.77	2032 @29	2121
0.02	282	124	89	0.45	0.66	2008 @21	2133
0.03	163	124	53	0.78	0.45	2075 424	2158
0.07	140	60	44	0.45	0.57	2011 🕸 38	2195
	201	106	77	0.40	0.22	1207 412	1225
 0.06	391	100	07	0.49	0.33	1000 11	1335
0.00	009	200	97	0.40	0.20	1090 14	1149
0.02	240	139 501	44 01	0.56	0.09	1210 <b>V</b> 21	1434
0.21	00Z	105	01	0.94	0.23	1010 4/23	2079
0.02	373	195	110	0.54	0.75	1900 10	2091
0.04	200	104	00 106	0.55	0.30	1954 4/20	2129
0.15	156	66	100	0.78	0.00	1062 423	2101
 0 13	128	15	40	0.44	0.00	1902 423	2214
0.15	120	15	00	0.12	1.22		2277
0.01	263	201	84	0 79	0.35	2037 �21	2079
0.08	91	74	28	0.84	0.59	1972 @28	2123
0.02	109	50	36	0.48	0.66	2085 @27	2129
 	140	82	44	0.61	3.01	1995 •60	2131
0.01	209	52	69	0.26	0.66	2103 �24	2169
0.02	118	88	38	0.77	1.07	2043 �26	2216
0.03	76	45	26	0.62	0.72	2152	2221
						·	
0.17	49	16	15	0.33	1.18	2024 �36	2042
0.06	370	316	58	0.88	1.48	1082 �23	2101
0.03	345	214	93	0.64	0.6	1758 �18	2119
0.08	316	255	92	0.83	0.32	1879 �19	2125
0.04	297	146	79	0.51	0.52	1729 �30	2130
0.01	533	436	150	0.85	0.35	1827 �19	2152
0.98	215	94	67	0.453	0.32	2002 �28	2171
0.44	27	14	9	0.526	0.9	2026 �47	2186
0.21	37	20	12	0.565	1.25	2087 �43	2188
0.41	51	30	17	0.602	1.15	2073 �38	2198
0.13	92	52	31	0.582	0.43	2105	2199
0.12	44	18	14	0.414	0.73	2081 •40	2199
0.48	46	18	15	0.398	0.78	2102 \$57	2205
0.05	98	66	33	0.697	0.41	2152 @34	2218
	99	55	33	0.573	0.47	2115 �33	2224

	72	35	24	0.51	0.55	2089 �35	2231
	54	25	18	0.486	0.64	2157 �39	2239
0.02	112	87	37	0.802	0.72	2108 �32	2246
0.06	00	27	26	0.214	0.52	1057 - 11	2146
0.00	90	21 50	20	0.314	0.55	100/ <b>444</b>	2140
0.74	71	20	30	0.550	0.39	1409 <b>4</b> 22	2174
1.32	71	39	20	0.571	0.52	1740 400	2104
0.30	04	40	22	0.002	0.55	1740 429	2204
1.21	129	40	37	0.339	0.0	1042 <b>\$</b> 20	2209
1.51	75	48	25	0.000	0.53	2085 \$30	2213
0.25	39	16	12	0.435	0.82	1922 40	2216
0.13	144	67	45	0.48	0.4	2018 \$30	2228
 4 50	89	34	27	0.392	0.54	1933 \$32	2234
1.53	372	173	82	0.48	0.25	1478 🏶21	2269
0.06	118	41	40	0.356	0.42	2143 �29	2142
0.07	111	42	37	0.388	0.43	2119 �29	2143
0.11	69	32	22	0.485	1.47	2065 �31	2147
	168	118	55	0.728	0.65	2095 �35	2147
0.19	114	50	37	0.456	0.41	2083 �28	2147
0.47	146	97	47	0.689	1.01	2063 �26	2159
0.15	79	30	26	0.391	0.9	2096 �42	2169
	152	82	50	0.56	0.32	2110 �27	2174
	93	44	29	0.491	0.42	2021 �28	2178
0.06	79	31	26	0.404	0.5	2072 �30	2182
	54	38	19	0.723	0.55	2220 🚯 36	2229
	51	19	18	0.393	0.61	2260 🏟 36	2256
0.32	86	40	26	0 481	0 47	1914 🏟 28	2113
2 12	23	7	8	0.302	1 84	2228 @144	2288
		·	Ū	0.002		•	
0.11	123	45	38	0.376	0.4	1962 �26	2054
0.08	147	64	45	0.446	0.6	1981 �26	2056
0.1	269	135	81	0.517	0.47	1940 �29	2073
	152	51	49	0.346	0.38	2036 �26	2079
0.09	226	99	68	0.45	0.95	1939 �24	2080
0.23	473	290	155	0.633	0.2	2085 �24	2083
	170	54	53	0.325	0.87	1989 �25	2091
0.05	196	81	61	0.425	0.29	1981 �28	2092
	186	70	61	0.39	0.58	2079 �26	2092
0.01	221	122	67	0.569	0.67	1936 �24	2095
0.01	260	116	80	0.46	0.25	1965 �24	2095
0 41	307	210	131	0 547	0.2	2101 🗆 24	2111
0.41	11/	132	30	1 106	0.2	2101 - 2171 -	2150
0.15	130	82	 ∕\2	0.640	0.52	2106 \$27	2150
 0	66	44		0.689	0.45	1994 <b>@</b> 30	2103
						• • • •	
0.6	139	63	38	0.469	0.62	1774 �24	2063
0.62	207	86	59	0.431	0.27	1846 �23	2072
0.16	296	127	86	0.445	0.23	1888 �23	2083
0.17	259	115	76	0.458	0.25	1883 �23	2091

0.41	232	102	69	0.455	0.28	1925 �24	2109
2.53	213	176	55	0.853	0.23	1694 �21	2111
0.24	74	81	24	1.137	2.11	2086 �102	2125
0.85	319	73	87	0.235	2.63	1774 �26	2126
0.38	123	47	34	0.396	0.39	1805 �34	2151
	459	246	129	0.554	1.91	1830 �35	2174
0.2	314	117	104	0.38	0.23	2101 �27	2097
0.05	167	54	55	0.33	0.34	2094 •29	2087
0.15	119	45	39	0.39	0.37	2079 �30	2101
0.01	203	105	67	0.54	0.28	2109   28	2101
0.02	222	73	73	0.34	0.3	2079 �28	2081
0.65	172	57	56	0.34	0.35	2062 �28	2092
0.18	388	112	118	0.3	0.24	1960 �25	2106
0.62	313	104	110	0.34	0.25	2209 �28	2113
0.58	264	75	82	0.3	0.28	1982 �26	2125
0.42	252	118	76	0.48	0.24	1948 �26	2127
3.28	264	145	66	0.57	0.24	1639 �26	2203
0.42	502	244	144	0.5	0.54	1860 �24	2105
1.75	94	56	30	0.61	0.36	2016 �30	2105
2.24	259	102	80	0.41	0.44	1984 �27	2113
3.59	346	117	113	0.35	0.23	2081 �33	2164
12.26	540	140	87	0.27	0.21	1111 �16	2219
1.04	283	141	90	0.51	0.23	2024 �26	2110
1.12	377	106	118	0.29	0.24	1996 �26	2118
1.17	422	128	105	0.31	0.22	1641 �21	2069
0.09	468	133	127	0.29	0.22	1771 �27	2092
5.77	698	162	94	0.24	0.19	938 �23	2000
1.09	412	135	94	0.34	0.21	1517 �24	2119
0.36	204	68	61	0.35	0.53	1938 �26	2131
0.02	533	83	175	0.16	0.26	2085 �26	2098
0.08	475	62	153	0.14	0.28	2050 �26	2102
0.01	131	100	43	0.78	0.3	2083 �29	2118
0.3	834	155	255	0.19	0.33	1960 �24	2096
0.14	640	441	98	0.71	0.37	1059 �19	1972
0.26	639	57	141	0.09	2.21	1477 �20	2061
0.34	185	107	53	0.6	0.26	1860 �25	2091
0.15	536	318	98	0.61	0.15	1248 �17	2029
1.1	459	217	61	0.49	0.37	922 �17	1984
0.55	553	78	119	0.15	0.26	1437 �19	2054
0.8	625	81	150	0.13	0.52	1584 �22	2059
5.24	622	114	60	0.19	0.34	685 �13	1994
0.06	329	161	104	0.51	0.24	2017 �27	2109
0.05	328	150	107	0.47	0.4	2071 �31	2097
0.74	281	127	89	0.47	0.27	2024 �27	2136
	427	186	137	0.45	0.23	2045 �27	2116
0.18	380	126	120	0.34	0.28	2017 �27	2097
0.65	298	128	97	0.44	0.5	2076 �28	2113

0.64	418	224	128	0.55	0.21	1969 �26	2109
	356	132	115	0.38	0.55	2059 �27	2104
0.21	187	81	61	0.45	0.36	2057 �29	2107
0.06	367	162	117	0.46	0.22	2035 �26	2104
0.04	383	183	123	0.49	0.63	2041 �26	2098
0.11	347	172	112	0.51	0.21	2053 �26	2105
0.04	376	202	123	0.56	0.22	2084 �27	2092
1.11	290	141	78	0.5	0.56	1752 �24	2176
2.96	292	117	96	0.41	0.73	2088 �28	2212
0 18	241	37	76	0 16	0.39	2017 📣 21	2113
0.10	509	112	151	0.10	0.83	1907 @18	2095
0.00	196	106	65	1.03	0.53	2100 422	2000
0.02	225	144	79	0.63	0.01	2100 - 22	2117
0.15	233	50	20	0.03	0.24	2113 121	2123
0.00	97	170	32	0.34	0.4	2110 <b>\</b> 23	2119
0.12	247	179	60	0.75	0.39	2124 122	2130
0.06	204	29	66	0.14	0.42		2098
0.04	224	102	69	0.47	0.26	1972 \$20	2128
0.03	341	187	112	0.57	0.36	2087 �20	2150
0.01	814	530	274	0.67	0.53	2129 🔶 24	2157
0.18	382	265	131	0.72	1.44	2162 •21	2223
						·	
0.23	405	134	110	0.34	1.03	1768 �27	2122
0	141	54	46	0.394	0.43	2082 @28	2104
0 08	148	59	40	0.004	0.40	2109 428	2104
0.00	140	56	43	0.406	0.41	2085 428	2000
 0 12	216	05	-1/ 69	0.453	0.71	$2003 \oplus 20$	2000
0.15	210	30	24	0.400	0.52	2014 - 402	2099
0 16	74	100	24	0.302	0.37	2000 <b>\$</b> 751	2100
0.10	27	122	01	0.404	0.31	1931 4/20	2117
0.01	141	04	47	0.467	0.39		2094
0.11	164	104	54	0.652	0.32	2081 428	2105
0.09	98	40	32	0.418	0.48	2099 \$30	2091
 	101	42	33	0.433	0.48	2086 430	2126
0.79	205	124	67	0.624	1.65	2073 427	2125
0.11	169	76	55	0.464	0.36	2082 @28	2104
0.02	131	51	44	0.399	0.51	2144 �31	2095
	120	45	41	0.382	0.48	2175 �30	2090
0.28	111	64	36	0.596	0.43	2059 �29	2065
	174	54	57	0.323	0.42	2086 �28	2115
1.39	136	56	44	0.423	3.06	2046 @28	2127
1.00	220	46	69	0.120	1 74	2013	2155
1.40	220	τu	00	0.217	1./ 7		2100
0.04	106	1	34	0.01	3.44	2066 �19	2084
0.21	121	53	37	0.45	0.52	1942 �18	2095
0.06	333	335	111	1.04	0.95	2112 �14	2114
0.02	544	178	170	0.34	1.35	1997 �11	2101
	561	112	181	0.21	0.33	2059 �12	2108
0.24	268	66	80	0.26	0.45	1930 �13	2110

0.05	192	109	61	0.58	0.37	2033 �25		2079
0.22	269	147	84	0.56	1.27	1995 �13		2135
0.19	244	96	80	0.41	0.71	2087 �14		2126
	90	45	30	0.52	0.56	2105 •21		2165
	152	78	48	0.53	0.42	2038 @16		2138
0 22	378	43	115	0.12	2 69	1959 • 19		2122
0.31	394	26	126	0.07	29	2044 • 12		2122
 0.01	123	59	40	0.5	0.5	2056 418		2125
0.01	282	232	87	0.85	0.26	1071 413		2120
0.01	301	170	06	0.00	0.20	2030 <b>A</b> 13		2130
0.01	106	23	30	0.01	0.3	2030 10		2101
0.42	100	25	50	0.22	0.75	2232 \20		2290
0.2	321	92	70	0.3	0.38	1465 �10		2075
0.38	541	157	103	0.3	0.47	1294 �17		2041
0.01	1001	376	269	0.39	0.75	1754 �25		2073
0.97	695	455	140	0.68	2.14	1357 �112		1786
0.03	318	96	94	0.31	0.4	1904 �13		2102
0.04	376	71	98	0.2	0.42	1711 �16		2103
0.32	98	77	36	0.81	0.78	2274 �35		2119
0.02			0			0	0	2113
0.19	175	73	51	0.43	0.43	1873 @15	•	2129
0.03	157	65	45	0.43	2.11	1837 •15		2074
	-		-			•		-
0.04	86	129	28	1.55	0.32	2068 �30		2097
0.02	84	19	27	0.24	0.53	2070 @30		2086
0.32	145	18	46	0.13	1.4	2011 @27		2088
0.1	294	106	95	0.37	0.25	2069 �26		2092
0.07	67	89	22	1.36	0.39	2088 �32		2075
0.16	537	409	169	0.79	0.15	2014 �24		2101
0.14	423	278	137	0.68	0.85	2062 �25		2096
0.04	221	174	73	0.81	0.23	2087 �27		2088
	131	82	44	0.64	0.32	2104 �29		2095
0.02	89	7	29	0.08	0.82	2079 �30		2091
	83	26	27	0.32	0.49	2083 �31		2110
	483	230	158	0.49	0.72	2077 �25		2091
	383	161	123	0.43	0.21	2040 �25		2094
0.16	538	221	173	0.42	0.42	2051 �25		2100
0.08	210	309	68	1.52	0.53	2072 �27		2103
0.03	161	108	53	0.69	0.28	2077 �28		2080
2 25	318	172	94	0.56	2 34	1900 🕸 27		2435
0.70	216	342	68	1.63	0.76	2018 426		2168
2.06	210	41	14	0.98	0.70	2010 \$20		2760
 2.00	65	46	19	0.73	0.45	1891 - 30		2150
	00	10	10	0.10	0.40	1001 ₩00		2100
0.02	567	271	182	0.494	0.19	2046 �25		2099
0.17	404	218	128	0.558	0.28	2023 �26		2099
0.43	369	204	126	0.572	0.23	2154 �30		2099
	379	181	124	0.493	0.38	2074 �32		2095
0.06	363	55	120	0.156	2.56	2096 �40		2089
0.12	578	249	187	0.445	0.19	2058 �25		2089

0.17	318	155	99	0.502	0.25	1994 �29	2090
0.08	687	374	218	0.562	0.39	2028 �25	2101
0.13	440	175	133	0.411	0.69	1938 �35	2086
	324	142	104	0.454	0.43	2045 �26	2095
0.25	165	85	54	0.535	0.6	2088 �34	2104
0.02	250	172	82	0.712	0.26	2085 �27	2102
0.13	216	103	70	0.494	0.32	2072 �27	2108
0.2	170	74	57	0.451	0.36	2126 �33	2101
0.12	173	80	56	0.478	0.34	2049 �27	2094
0.03	216	114	73	0.546	1.68	2133 �27	2101
0.02	168	94	55	0.574	0.34	2072 �28	2101
	206	99	67	0.499	0.33	2077 �27	2123
0.05	359	190	112	0.548	0.22	2001 �32	2099
0.31	199	84	65	0.438	0.71	2089 �28	2103
0.87	346	182	107	0.544	0.23	1985 �25	2109
1.26	289	136	97	0.488	0.68	2123 �27	2137
1.03	312	214	101	0.71	0.23	2060 @26	2091
0.74	528	214	148	0.42	0.53	1819 �25	2108
2.79	358	174	113	0.502	0.81	2014 �26	2136
0.57	1230	650	440	0.546	0.13	2243 •27	2123
0.79	159	90	52	0.585	2.27	2096 �28	2147
0.52	314	193	104	0.635	1.23	2096 �30	2119
0.34	319	173	101	0.558	0.7	2017 �15	2099
0.13	182	96	59	0.544	0.38	2081 19	2090
0.05	137	65	43	0.492	0.46	2012 @21	2103
0.46	190	100	60	0.545	0.36	2016 •19	2113
 	113	66	36	0.598	0.46	2014 @23	2129
0.25	195	121	61	0.64	0.36	2008 •19	2125
0.5	138	72	46	0.536	0.37	2090 19	2112
 	125	66	42	0.543	0.4	2119 420	2107
0.44	162	89	52	0.57	0.34	2050 18	2086
1.01	241	141	11	0.603	0.84	2046 16	2145
0.56	259	147	84	0.586	0.27	2069 15	2085
0.24	431	95	139	0.228	0.28	2051 13	2082
0.02	175	120	56	0.708	0.32	2038 18	2104
 0.00	177	125	58	0.727	0.33	2075 18	2117
0.38	242	53	79	0.224	0.68		2107
 0.74	242	148	79	0.63	0.3	2075 17	2116
0.71	187	134	60	0.739	0.32	2054 18	2125
 0.00	367	44	122	0.123	0.41	2101 14	2095
0.33	193	102	60	0.548	0.35	1984 \$20	2076
0.21	171	87	54	0.527	0.38	2015 428	2091
0.08	180	92	60	0.509	0.36	2068 🥵 18	2108
0.2	392	119	112	0.313	1.2	1859 �38	2062
	174	90	53	0.535	0.43	1969 �39	2097
0.31	249	165	81	0.682	0.33	2058 �28	2110
0.4	517	472	182	0.943	0.23	2211 �26	2120
0.03	246	144	79	0.604	0.34	2042 �18	2149

0.1	61	27	21	0.448	0.72	2171 �34	2175
	107	66	35	0.633	0.52	2089 �48	2181
0.14	291	98	76	0.347	0.35	1703 �20	2076
0.92	268	72	32	0.277	0.36	846 @12	2086
0.28	503	60	185	0.122	0.73	2296 @31	2094
1.86	310	218	83	0.727	0.52	1741 🐠 14	2103
1.38	365	75	57	0.212	1 11	1073 @20	2130
0.01	252	82	71	0.335	0.66	1824 @26	2142
1 73	84	44	19	0.537	0.56	1483 @21	2143
0.84	342	48	46	0.007	0.00	036 421	2140
0.04	042	40	40	0.144	0.40	000 <b>4</b> 0	2100
0.29	1132	790	353	0.72	0.65	1996 �19	2121
2.94	1937	9	74	0	3.25	282 �10	1546
2.15	3040	8	147	0	1.64	354 �5	1563
2.86	1456	11	93	0.01	0.68	463 �10	1682
0.13	2622	6	279	0	0.91	753 �23	1688
7.53	3654	52	264	0.01	2.9	520 �6	1913
0.65	2029	3	1016	0	1.24	2961 �27	2019
0.89	960	145	218	0.16	2.23	1511 �27	2038
0.14	1890	14	721	0.01	1.25	2367 �57	2064
2.86	1028	15	84	0.02	3.8	584 �25	2064
0.3	1720	34	434	0.02	4.29	1661 �50	2064
1	1121	64	290	0.06	3.01	1695 �64	2073
3.53	3124	6	239	0	0.99	550 �67	2091
0.38	443	348	91	0.81	0.38	1383 �12	2110
0.39	200	66	57	0.34	0.28	1860 �22	2119
1.25	263	27	22	0.11	2.2	587 �18	2142
0.68	204	72	50	0.37	1.81	1620 �32	2145
1.23	341	55	38	0.17	3.68	787 🏶 18	2153
0 43	208	60	65	0.3	0 78	2012 @22	2083
0.10	51	70	16	1 4 1	0.39	2010 @29	2055
0.27	49	44	15	0.93	0.44	2011 @29	2052
0.62	369	398	117	1 11	0.21	2032	2086
 0.02	635	402	203	0.65	0.13	2038 @21	2086
0.51	217	.02	67	0.45	0.25	1982	2102
0.02	658	389	211	0.61	0.14	2046 @21	2079
0.04	51	48	16	0.98	0.93	2018 @29	2080
0.06	94	88	30	0.97	0.32	2015 \$25	2085
0.84	163	77	50	0.49	0.54	1974 23	2112
0.63	181	78	62	0.45	0.27	2167 �24	2118
0 1/	208	66	70	0 33	0 27	2123 📣 23	2150
0.14	200 121	220	140	0.55	0.27 0.18	2125 <del>v</del> 25 2115 <b>a</b> 22	2150 215/
0.4	163	53	57	0.34	1.73	2202 @25	2194
	50	40	40	0 70	0.44	0050 \$ 00	0050
1.11	58	42	19	0.76	0.41		2058
1.1	315	216	/0	0.71	0.18	14/4 16	2040
1.53	1317	/80	/10	0.61	0.24	3140 \$32	2117
0.13	1114	234	493	0.22	0.52	2679 �26	2105

0.45	259	181	94	0.72	0.37	2274 �24		2097
0.04	122	89	41	0.76	0.58	2123 �30		2100
0.06	236	103	71	0.45	0.27	1947 �25		2094
0.05	363	121	127	0.34	0.24	2199 �27		2135
0.04	438	209	140	0.49	0.19	2043 �25		2124
0.06	230	137	77	0.62	0.25	2133 �27		2114
0.08	361	232	111	0.66	0.41	1968 �24		2116
0.02	168	105	58	0.64	0.32	2174 �29		2121
0.03	69	26	24	0.39	0.53	2210 <b>•</b> 34		2157
0.05	180	158	63	0.9	0.43	2209 @29		2147
0.1	132	59	45	0.46	0.36	$2175 \oplus 30$		2147
0.04	100	58	35	0.6	0.39	2186 @31		2170
0.28	138	71	43	0.53	2 54	2000 @37		2190
0.20	406	178	132	0.00	0.2	2000 \$207		2166
0.00	400	170	102	0.40	0.2	2010 \#20		2100
0.07	365	263	133	0.75	0.58	2284 �33		2145
0.39	524	228	183	0.45	0.59	2202 �27		2085
0.38	127	73	32	0.59	0.9	1673 �24		2186
0	418	134	133	0.33	0.6	2033 �27		2068
0.03	231	102	72	0.45	0.49	1992 �37		2084
0.01	200	50	64	0.26	0.35	2034 �24		2084
0.04	232	171	74	0.76	0.48	2029 �27		2098
0.05	252	73	76	0.3	1.52	1946 �22		2101
0	531	108	165	0.21	6.66	1987 �22		2102
0.01	449	260	137	0.6	1.53	1961 �16		2116
0.09	223	64	71	0.3	0.56	2032 �15		2124
0.09	59	42	19	0.73	1.02	2052 �56		2125
	53	29	17	0.56	0.54	2056 �26		2131
0.6	182	115	60	0.65	0.81	2100 �33		2134
0.24	76	54	25	0.74	2.06	2070 �36		2160
0.64	108	79	36	0.76	0.63	2132 �45		2160
0.47	566	421	180	0.77	0.97	2033 �34		2168
0.83	768	16	105	0.02	1.63	951 �22		1879
0.17	560	6	72	0.01	2.72	901 �53		1930
1.1			0			0	0	2058
3.64	1161	432	242	0.38	2.8	1403 �80		2073
			0			0	0	2077
0.15			0			0	0	2083
0.09	460	37	118	0.08	4.54	1678 �29		2097
0.79	378	55	112	0.15	0.53	1918 �22		2120
0.28	237	161	68	0.7	0.59	1868 🏟 27		2122
2.57	437	322	64	0.76	0.36	1009 🏟 17		2127
1.41	167	46	40	0.28	1.1	1571 <b>•</b> 24		2135
2.64	610	101	100	0.17	1.39	1125 <b>•</b> 58		2136
4.19	837	164	195	0.2	0.87	1546 @34		2137
1.32	1834	338	459	0.19	1.27	1649 🌒 18		2151
2.1	636	171	99	0.28	4.04	1073 �36		2153
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0.93	188	68	54	0.38	0.32	1854 �19	2162
1.02	114	87	37	0.79	1.55	2063 �18	2172
5.15	586	23	112	0.04	0.4	1295 �25	2203
0.03	156	157	49	1.04	0.55	2004 �26	2094
0.09	372	592	119	1.64	0.76	2046 �27	2099
0.21	98	50	30	0.53	0.42	1988 �28	2101
0.21	98	64	32	0.68	0.61	2061 �29	2106
0.09	122	61	39	0.51	0.38	2023 �61	2107
0	193	78	60	0.42	0.34	1999 �43	2116
	346	300	108	0.9	0.22	2004 �24	2121
0.1	168	122	56	0.75	0.72	2099 �27	2130
0.47	183	85	59	0.48	0.7	2051 �26	2136
0.07	500	074	100	0.64	0.00	2055 <b>A</b> 24	0144
0.07	599	374	193	0.64	0.30		2144
0.14	650	395	199	0.63	0.71	1963 423	2145
0.15	660	532	205	0.83	0.17	1993 \$28	2164
0.24	371	256	117	0.71	0.57	2020 • 34	2171
0.28	370	110	121	0.31	0.31	2078 4948	2194
 	48	29	16	0.62	0.55	2134 \$35	2198
0.06	160	73	53	0.47	0.93	2116 🐠28	2235
0.3	160	76	42	0.49	0.34	1707 �23	2096
0.06	262	150	71	0.59	0.26	1762 �27	2099
0.53	448	232	79	0.53	0.31	1207 �19	2100
0.33	213	154	53	0.75	0.67	1649 �30	2105
1.06	588	295	81	0.52	0.78	960 �39	2119
0.21	172	49	43	0.29	0.44	1648 �27	2141
0.25	106	22	25	0.21	1.56	1542 �22	2188
	164	57	43	0.36	0.81	1704 �23	2201
0.02	400	504	100	1.00	0.05	2050 \$ 12	0407
0.03	490	202	160	1.22	0.35		2107
0.02	327	292	100	0.92	0.25	2000 10	2115
 0.00	300	271	71	0.79	0.25	2039 <b>\$</b> 32	2103
0.09	230	105	71	0.46	0.30	1939 14	2101
0.02	211	239	00	0.69	0.27	2023 14	2096
0.14	210	105	04 70	0.5	0.36		2089
0.34	231	140	12	0.66	0.0	2007 14	2100
0.03	325	207	104	0.85	0.79		2092
0	000	338	175	0.63	0.82	2010 11	2097
0.03	204	164	66	0.83	0.54	2045 \$28	2091
0.22	303	220	93	0.75	0.76	1967 18	2112
0.04	453	224	137	0.51	0.47	1942 12	2081
 0.05	50	44	16	0.92	0.63	2093 \$27	2107
0.05	254	127	81	0.52	0.34	2030 🏶 14	2079
17.27	312	58	24	0.19	0.43	552 �5	3192
1.49	218	205	64	0.97	0.29	1907 �14	2163
23.58	255	349	84	1.41	0.65	2094 �16	2897
1.34	901	434	163	0.5	0.53	1233 �12	1998
2.72	448	409	95	0.94	0.63	1424 �9	2208
0.28	356	323	86	0.94	1.31	1602 �11	2094

5.77	207	151 140	45	0.75	0.33	1460 <b>@</b> 12		2345
0.44	109	149	49	0.91	0.76	1009 10	0	2100
2.45			0			0	0	2120
0.05	447	47	143	0.11	0.33	2038 �18		2073
0.16	279	104	84	0.39	1.73	1940 @22		2074
 ••••	384	277	124	0.75	0.8	2052 @18		2088
0.05	378	100	122	0.27	1.34	2061 @21		2090
0	103	48		0.48	0.4	2090 @23		2090
0.21	326	38	106	0.12	0.36	2070 @19		2091
0.04	463	64	147	0.14	0.29	2028 @18		2093
0.15	310	165	96	0.55	2 16	1989 @18		2096
 •••••	288	85	93	0.3	0.27	2060 •19		2101
					-	•		-
0.33	465	323	142	0.72	2.82	1957 �17		2117
0.16	226	187	75	0.85	0.24	2109 �20		2122
0.06	165	228	54	1.43	0.25	2098 �21		2129
0.15	164	142	55	0.89	0.27	2125 �21		2132
0.01	310	197	101	0.65	0.57	2070 �18		2141
0.34	230	143	75	0.64	0.87	2083 �20		2215
0.11	405	408	87	1.04	1.1	1439 �13		1987
0.11	510	345	119	0.7	0.61	1550 �14		2028
0.12	389	337	104	0.89	2.02	1745 �80		2042
0.65	448	448	93	1.03	3.84	1394 �15		2042
0.19	322	147	79	0.47	7.64	1620 �72		2050
0.4	479	428	114	0.92	0.46	1572 �23		2053
0.14	501	451	133	0.93	0.15	1738 �24		2065
0.03	385	338	100	0.91	0.88	1697 �26		2072
0.09	361	287	95	0.82	1.36	1726 �16		2073
0.21	506	510	122	1.04	0.57	1592 �23		2080
0.18	630	99	182	0.16	0.81	1866 �20		2084
0.16	324	193	95	0.61	0.42	1886 �17		2088
0.61	273	16	76	0.06	5.27	1806 @17		2095
0.28	145	116	43	0.83	0.3	1895 @20		2118
0.24	353	247	94	0.72	0.21	1746 �24		2132
0.05	207	140	05	0 404	0.00	2017 \$12		2070
0.05	297	142	90	0.494	0.22	2047 13		2070
0.00	215	112	4Z 65	0.502	0.29	2029 V 10		2000
0.01	420	204	140	0.337	0.23			2090
0.05	439	204	142	0.401	0.17	2000 13		2009
0.11	437	224 145	142	0.529	0.17	2072 V72 1030 A21		2004
0.17	301	145	001	0.440	0.72	2060 413		2070
 0.07	163	02	52	0.499	0.2	2003 15		2070
0.07	461	220	145	0.505	0.27	2010 11		2000
 0.22	535	363	173	0.701	0.17	2062 2014		2003
	408	314	134	0.707	0.04	2082 -		2003
	180	120	60	0 707	0.10	2043 15		2001
	206	122	68	0.611	0.23	2087 14		2003
	200	1	00	0.011	0.20			2000
1.41			0			0	0	2118

1.18	409	190 178	91 80	0.478	1.65	1481 <b>@</b> 28		2121
0.41	341	170	09	0.559	0.37		0	2100
0.04		100	0	0 50 4		U 1700 @ 11	0	2074
1.68	332	162	90	0.504	0.3	1/62 🐠11		2225
2.64	382	258	89	0.698	1.82	1541 🏶 43		2099
1.31	261	176	50	0.695	0.2	1306 �9		2087
1.65	202	113	62	0.577	0.24	1965 �14		2173
0.23	361	289	108	0.826	0.59	1934 �11		2069
0.04	388	191	115	0.509	0.18	1913 �19		2063
0	137	77	45	0.58	0.3	2093 �17		2067
0	252	142	82	0.583	0.21	2077 �20		2078
0	562	305	181	0.56	0.38	2055 �11		2080
0.24	297	194	94	0.676	0.36	2024 �12		2068
0.1	324	181	107	0.577	0.18	2089 �13		2076
0.01	201	112	63	0.574	0.52	2007 �14		2085
0.3	412	210	124	0.528	0.29	1942 �17		2088
0.36	448	373	143	0.861	1.12	2037 �21		2081
0.71	480	446	97	0.96	2.91	1356 �61		2094
0.04			0			0	0	2054
0.73			0			0	0	2061
0.63	299	164	65	0.567	0.46	1462 @18	•	2093
7.4	377	166	58	0.456	0.59	1056 @12		2403
1 64	573	290	128	0.523	0.63	1492		2168
0.18	430	243	120	0.583	0.00	1811 413		2063
5 29	400	235	117	0.57	0.40	1780 411		2000
0.20 0.77	421	200	138	0.506	0.10	1000 - 11		2166
2.11	295	120	75	0.500	1 20	1716 411		2100
0.82	200	215	85	0.303	0.00	1830 4 12		2110
0.02	566	320	140	0.730	0.33	163/ <b>4</b> 0		2170
2 2 7 2	300	320	02	0.584	0.14	1034 10		2120
3.73	404	202	00	0.564	2.00			2102
1.00	231	110	02	0.49	10			2300
0.04	2584	2802	755	1.144	1.17			2002
2.51	260	189	83	0.751	0.78	2034 🏶 14		2183
	200	90	62	0.46	0.26	1985 �22		2103
0.49	219	50	72	0.24	0.31	2082 @23		2097
0.2	185	44	60	0.24	0.63	2068 @23		2094
0.03	384	102	124	0.27	1.09	2050 @22		2087
0.1	352	318	114	0.93	0.16	2061 �22		2094
	127	44	41	0.36	0.37	2044 �25		2081
0.16	307	97	98	0.33	0.24	2029 �22		2077
0.01	225	81	72	0.37	0.54	2044 �23		2100
0.08	161	61	50	0.39	0.31	1987 �23		2081
0.23	221	49	67	0.23	0.32	1958 �22		2098
0.23	255	68	79	0.28	0.88	1981 �22		2100
0.07	413	152	132	0.38	0.22	2039 �22		2096
0.5	169	60	49	0.37	0.96	1885 �22		2080
0.69	328	76	97	0.24	0.25	1900 �20		2098
0.59	170	47	50	0.29	0.33	1898 �22		2096

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1.54	244	77	27	0.33	0.23	792 @22	1916
1.08	219	11	68	0.36	1.92	1984 🏶47	2158
0.22	249	76	77	0.32	0.3	1979 �22	2101
0.06	268	85	87	0.33	0.29	2064 �22	2117
0.05	193	44	64	0.24	0.39	2100 �24	2099
0.32	437	107	136	0.25	0.25	1989 �21	2097
0.02	236	64	79	0.28	0.7	2112 �23	2081
0.33	310	90	99	0.3	0.27	2045 �22	2098
0.16	353	93	115	0.27	0.28	2068 �22	2092
0.03	424	179	140	0.44	0.21	2094 �22	2080
0.1	293	78	96	0.28	0.3	2076 �22	2086
0.15	223	67	71	0.31	0.32	2036 �23	2081
	446	113	140	0.26	0.58	2004 �21	2085
0.05	498	142	163	0.29	0.23	2079 �21	2082
0.05	226	53	71	0.24	0.36	2015 �23	2097
0	299	71	96	0.25	0.3	2056 �22	2104
0.04	331	78	109	0.24	0.3	2086 �22	2089
0.56	379	132	116	0.36	0.24	1964 �21	2155
1.11	333	76	85	0.24	0.29	1676 �18	2091
1.02	293	84	92	0.29	0.78	2005 �22	2110
0.12	275	87	86	0.33	0.28	2009 �28	2072
0.05	319	105	103	0.34	0.98	2054 �25	2086
0.02	232	71	77	0.32	3.27	2114 �26	2093
0.04	482	132	152	0.28	0.42	2022 �28	2091
0	724	174	240	0.25	0.19	2104 �33	2100
0.04	395	96	132	0.25	0.6	2118 �52	2087
0.03	363	129	120	0.37	0.23	2093 �25	2089
0.01	425	95	139	0.23	0.27	2081 �27	2088
0.1	239	81	75	0.35	0.5	2014 �32	2095
	366	129	115	0.36	0.88	2012 �41	2071
0.47	203	73	67	0.37	4.35	2097 �34	2141
0.19	424	174	135	0.42	1.71	2028 �28	2114
0.64	709	135	224	0.2	4.32	2018 �23	2124
0.17	89	25	28	0.29	0.67	2026 �31	2119
0.15	69	34	23	0.51	0.64	2099 �34	2127
0.06	129	73	41	0.58	0.56	2024 �30	2133
0.08	311	469	101	1.56	0.44	2071 �27	2140
	73	57	25	0.81	0.58	2149 �34	2140
0.54	208	149	65	0.74	0.47	2003 �27	2144
0.12	193	173	62	0.93	0.51	2052 �29	2144
0.58	176	73	54	0.43	0.51	1983 �27	2145
0.26	168	108	55	0.66	0.46	2061 �28	2149
0.61	233	120	79	0.53	0.47	2149 �28	2155
0.01	198	102	64	0.53	0.5	2067 �28	2163
	82	80	28	1.02	0.52	2140 �32	2164
0.04	117	121	36	1.07	0.49	1998 �29	2165

0.93	343	133	114	0.4	0.53	2109 �29	2169
0.08	115	158	41	1.42	0.51	2241 �33	2107
0.72	192	153	56	0.82	0.47	1885 �26	2118
0.78	135	43	39	0.33	0.64	1880 �29	2173
1.62	216	101	50	0.48	0.5	1544 @22	2176
1.35	207	186	66	0.93	0.52	2044 @29	2184
0.93	190	62	53	0.34	0.55	1806 @26	2202
1 27	143	96	42	0.69	0.00	1891 427	2254
4.88	221	Q1	63	0.00	0.40	1843 426	2261
4.00		01	00	0.42	0.00		2201
0.18	102	90	34	0.91	0.8	2115 �38	2067
0.04	79	64	26	0.84	0.87	2104 �41	2075
0.07	88	63	29	0.74	0.85	2071 �39	2097
0.17	200	244	64	1.26	0.76	2055 �34	2098
0.23	215	162	70	0.78	0.74	2072 �33	2112
	103	78	34	0.78	0.83	2092 �38	2113
0.27	345	268	113	0.8	0.6	2078 •27	2116
	56	26	19	0.48	0.97	2132 •44	2121
0.06	84	65	28	0.8	0.7	2131 @34	2123
0.06	188	169	63	0.93	0.76	2134 @35	2131
0.00	80	74	27	0.86	0.20	1962 437	2144
0.70	296	245	95	0.00	0.02	2047	2144
0.00	200	240	00	0.00	0.0		2140
0.6	163	113	55	0.71	0.77	2136 �36	2149
	174	68	61	0.4	0.81	2190 �36	2151
0.23	74	44	25	0.61	5.43	2180 �42	2163
0.05	120	43	42	0.37	0.83	2195 �37	2169
0.71	88	52	33	0.62	1.63	2324 �42	2274
2.58	119	96	43	0.83	2.87	2246 �38	3032
1.15	229	279	74	1.26	0.72	2068 �33	2132
1.71	341	210	113	0.64	0.6	2094 �27	2136
0.93	249	91	72	0.38	0.77	1881 �30	2197
1.8	209	150	68	0.74	0.74	2061	2215
2.73	227	143	70	0.65	0.73	1973 �31	2255
0.01	486	108	168	0.23	0 29	2178 🐠 24	2096
0.3	232	75	78	0.33	0.84	2129 426	2084
0.0	170	70	57	0.00	0.04	2120 \$20	2004
0.02	462	164	154	0.40	0.00	2124 \$27	2000
0.01	440	204	142	0.07	0.27	2120 420	2100
0.03	440 221	204	72	0.40	0.24	2003 \$25	2000
0.07	526	212	167	0.4	0.30	1009 423	2090
0.00	550	512	107	0.0	0.05	1990 ₩22	2007
0.08	458	235	161	0.53	0.43	2210 �24	2087
	232	83	80	0.37	0.67	2181 �26	2071
0.13	99	65	33	0.68	1.25	2135 �31	2134
0.54	232	109	71	0.49	0.32	1962 �24	2117
0	340	112	98	0.34	0.29	1868 �25	2063
0.09	776	360	214	0.48	0.17	1798 🌒 19	2067
0.03	247	66	69	0.28	0.38	1806 \$22	2101
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0.06	497	220	120	0.46	0.4	1600 �18	2067
0.00	400	40	00	0.000	0.04	0050 \$ 04	0000
0.06	192	49	62	0.262	0.84	2056 \$34	2038
0.2	105	48	32	0.471	0.86	1973 \$30	2057
0.06	102	34	33	0.343	0.9	2090 - 38	2065
0.03	109	33	36	0.313	0.9	2102 @38	2067
0.24	96	23	32	0.247	0.95	2106 @38	2068
0.09	98	28	33	0.293	0.92	2135 �39	2077
0.21	97	24	32	0.258	0.95	2109 �38	2082
0.11	332	67	112	0.208	0.78	2137 �33	2085
0.15	104	31	34	0.308	0.9	2049 �37	2086
0.04	211	87	73	0.425	0.78	2193 �35	2100
0.16	97	32	32	0.337	0.9	2072 �38	2105
0.04	170	49	56	0.299	0.83	2100 �35	2131
0.19	65	18	22	0.29	1.02	2151 �43	2043
0.45	225	39	59	0.179	0.84	1722 �29	2056
0.53	196	76	53	0.402	2.98	1757 �29	2067
	153	38	43	0.256	0.88	1830 �32	2138
0.14	103	112	31	1.124	0.78	1956 �35	2195
						·	
0.16	96	26	31	0.281	0.93	2053 �38	2046
0.42	79	16	26	0.21	1.03	2079 �40	2068
0.83	137	37	44	0.279	0.88	2048 �36	2107
0.13	132	88	42	0.69	0.79	2040 �35	2113
0.03	97	60	32	0.639	0.84	2074 �38	2123
	48	11	16	0.24	1.14	2056 �44	2139
0.09	111	31	37	0.286	0.9	2125 �37	2141
0.11	78	66	27	0.874	0.85	2186 �42	2149
0.18	165	80	56	0.503	0.79	2143 �36	2168
0.03	128	65	64	0.524	0.83	2952 🏶 49	2878
0.56	181	58	51	0.33	0.96	1832 �33	2077
4.84	170	45	53	0.271	0.88	2000 �36	2197
2.97	189	36	45	0.197	0.91	1569 �46	2256
3.5	152	79	49	0.538	0.79	2060 �36	2323
15.68	242	81	78	0.345	0.78	2047 �41	2336
3 33	65	24	17	0.38	0.94	1675 •36	2340
9.08	354	80	73	0.233	0.84	1390 25	2437
						•	
0.11	66	26	21	0.4	0.5	2020 �24	2109
	87	15	28	0.18	2.26	2013 �22	2089
	322	287	100	0.92	0.93	1990 �44	2094
0.06	135	121	44	0.92	0.9	2070 �29	2080
0.02	129	72	42	0.57	0.58	2052 �19	2087
0.75	665	176	166	0 27	23	1641 🐠25	2110
2 46	1731	1885	152	1 12	0.26	627 10	1847
0.15	996	968	140	1	0.47	978 418	1907
0.10	000	000			9.17	0.0 + 10	1007

8.86	1019	1350	41	1.37	0.41	298 •	�5	1294
13.92	1078	797	82	0.76	1.2	544	<b>\$</b> 9	1676
2.04	964	867	90	0.93	0.68	665 ·	<b>�</b> 10	1873
0.92	1368	1696	270	1.28	0.22	1333 •	<b>�</b> 15	1995
1.21	1154	2226	58	1.99	0.84	368 •	�5	1419
0.19	601	775	133	1.33	0.34	1478 •	<b>�</b> 12	2013
0.42	1209	1316	187	1.12	0.45	1067 •	<b>�</b> 10	1965
1.88	2279	2171	244	0.98	1.02	758 •	<b>�</b> 12	1884
7.61	779	1261	49	1.67	1.03	458	<b>�</b> 11	1750
19.35	780	1010	63	1.34	1.27	576	<b>\$</b> 22	1587
0.96	958	600	109	0.65	1.36	805 •	<b>�</b> 12	1926
3.73	1976	2597	98	1.36	0.47	363 •	<b>�</b> 7	1527
1.08	2112	1217	59	0.6	0.92	207 •	�5	1344
0.35	641	920	142	1.48	0.92	1474 •	<b>�</b> 40	2052
1.2	510	354	67	0.72	3.05	920 •	<b>�</b> 53	1953
39.14	819	644	50	0.81	2.31	443 •	<b>�</b> 12	1913
0.64	1218	1390	68	1.18	1.44	405 •	<b>\$</b> 9	1553
0.94	976	804	72	0.85	0.29	531 •	�5	1673
0.32	1006	1474	183	1.51	0.8	1240	<b>@</b> 21	2004
0.98	1628	815	100	0.52	0.6	444 •	<b>\$</b> 8	1554
7.03	1532	1720	94	1.16	0.86	444	<b>�</b> 7	1519
0.85	1984	2230	184	1.16	3.31	662 ·	<b>�</b> 13	1799
3.09	1931	2947	67	1.58	0.08	255 •	<b>�</b> 3	1136
38.83	1266	2074	141	1.69	0.35	786 •	<b>�</b> 15	1719
1.24	413	434	71	1.09	0.94	1182 •	<b>\$</b> 9	1966
6.12	1750	2422	136	1.43	0.27	557	<b>\$</b> 8	1772
1.09	1496	2293	151	1.58	0.09	715 •	<b>@</b> 11	1849

206PbAge (1)208Pb/232ThAge %Dis-cor-d7corr208Pt �% Total238U/: �%

Total207Pb

<b>\$</b> 8	2000 �32	2	0.096	5.7	2.62	1.4	0.13236
<b>2</b> 7	2031 •30	2	0.101	3.1	2.613	1.4	0.13294
<b>4</b> 8	1972 @33	2	0.094	6	2 615	1.5	0 13268
<b>4</b> 8	1960 @32	4	0.088	55	2 657	1.0	0.13335
<b>₩</b> 8	2067 436	2	0.000	0.0 4 4	2 588	1.4	0.10000
<b>↓</b> 0	1088	1	0.100	н. <del>н</del> 6	2.500	1.5	0.13373
<b>↓</b> 10	2026 4 35	1	0.099	4 9	2.577	1.5	0.10020
<b>↓</b> 10	2020	4	0.094	4.0	2.000	1.5	0.10027
<b>₩</b> 9	2021 - 423	3	0.097	4.7	2.022	1.5	0.10024
<b>4</b> 9	2010 \$34	2	0.096	5.5	2.0	1.5	0.13317
<b>4</b> 9		9	0.074	4.5	2.805	1.5	0.13078
<b>\$</b> 9	2058 •34	4	0.094	5.2	2.671	1.4	0.13266
<b>4</b> 9	2078 🦦 34	-1	0.112	4.7	2.521	1.5	0.13283
<b>%</b> 10	2030 �35	1	0.104	5.3	2.564	1.5	0.13312
<b>�</b> 11	1976 �38	12	0.068	5.9	2.921	1.5	0.13334
<b>�</b> 13	1894 �37	17	0.061	4.4	3.182	1.5	0.13228
<b>\$</b> 8	2002 �45	14	0.072	4.4	3.001	1.4	0.13142
<b>�</b> 10	1554 �34	29	0.045	3.7	3.778	1.6	0.12837
<b>�</b> 13	1711 �34	12	0.062	5.1	3.018	1.5	0.12924
<b>�</b> 9	2199 �55	0	0.115	3.8	2.524	1.1	0.1351
<b>•</b> 12	2055 �31	-1	0.109	3.8	2.519	1.4	0.1333
<b>•</b> 10	2091 �33	-1	0.112	4	2.486	1.2	0.1355
<b>•</b> 13	2127 • 86	3	0.096	9.6	2.586	1.4	0.1349
<b>•</b> 7	2054 •35	0	0.107	4.5	2.547	1.1	0.1334
<b>4</b> 8	2011 •31	3	0.095	3.8	2 647	1 1	0 1325
<b>4</b> 10	2047 • 35	1	0 104	54	2 546	12	0 1349
<b>4</b> 7	2058 @25	0	0 108	3	2 531	1 1	0 1336
<b>◆</b> . <b>◆</b> 9	$2045 \oplus 31$	_1	0 109	45	2 524	1.1	0.1337
<b>₽</b> 7	2049 25	0	0 107	3	2 525	1.1	0 1346
<b>◆</b> . <b>4</b> •6	1998 • 36	4	0.093	53	2.620	1.1	0 1331
<b>∲</b> 0 <b>4</b> •16	1977 443	3	0.000	5.6	2.007	1.0	0.1001
<b>4</b> √10 <b>4</b> ∿11	2042 431	0	0.000	3.5	2.007	1.0	0.1335
<b>↓</b> 1	2106 436	0	0.107	J.J 4 5	2.544	1.2	0.1335
<b>↓</b> 8	2073	1	0.111	4.0	2.552	1.1	0.1330
<b>₩</b> 0	2073	1 0	0.100	J.0 4 E	2.00	1.2	0.1330
<b>\$</b> 9	2092 🌾 31	0	0.11	4.5	2.529	1.2	0.1341
<b>\$</b> 91	2612 �363	6	0.102	28.1	2.485	1.2	0.1522
<b>1</b> 0	1766 �38	14	0.057	5.1	3.038	1.2	0.1305
<b>�</b> 16	2002 �55	3	0.092	9.4	2.678	2.2	0.1318
<b>•</b> 9	2059 •27	7	0.091	2.9	2.752	1.1	0.1334
<b>•</b> 9	2095 @37	1	0.106	4.1	2.592	1.2	0.1326
<b>•</b> 10	2070 @33	O	0.107	4.1	2.562	1.2	0.1334
<b>1</b> 0	1959 @37	6	0.093	2.6	2.715	12	0.1345
<b>2</b> 9	2035 @38	0 0	0.106	5.1	2.548	1 1	0.1338
<b>•</b> 16	2043	5	0.089	5.5	2 667	12	0 1355
<b>1</b> 4	1781 250	4	0 074	8.3	2 636	12	0 1351
<b>4</b> 9	2060 482	3	0.098	11 1	2 607	3.0	0 136
<b>4</b> 8	2079	3	0.000	6	2 585	1 1	0 1353
<del>.</del> .		0	0.000	0	2.000		0.1000

<b>�</b> 13	1942 �37	16	0.072	3.3	3.002	1.2	0.1372
<b>�</b> 14	1806 �38	41	0.007	23.5	4.278	1.1	0.1383
<b>�</b> 9	1835 �24	11	0.073	3.1	2.908	1.1	0.1315
<b>\$</b> 23	1710 �35	15	0.071	3.5	3.06	1.5	0.1323
<b>@</b> 21	1561 �71	21	0.058	7.2	3.274	4.3	0.1342
<b>1</b> 4	1671 �41	39	0.048	3.3	4.136	2.1	0.1388
<b>�</b> 41	1939 �82	21	0.046	15.1	3.155	1.5	0.1402
<b>�</b> 16	1619 �62	27	0.06	5	3.628	3	0.1294
<b>\$</b> 8	2034 �33	-1	0.11	5.6	2.539	1.4	0.13227
<b>1</b> 4	2074 �39	1	0.106	5.7	2.558	1.5	0.13328
<b>%</b> 7	2049 �32	0	0.108	5.1	2.543	1.4	0.13243
<b>\$</b> 8	2005 �33	1	0.102	5.5	2.589	1.4	0.13214
<b>\$</b> 9	2078 �50	-1	0.111	5.7	2.534	1.5	0.13291
<b>@</b> 11	2079 �39	-3	0.118	5.5	2.502	1.6	0.13201
<b>\$</b> 9	2002 �32	2	0.1	4.7	2.589	1.5	0.13307
<b>1</b> 0	1866 �32	9	0.075	4.5	2.805	1.4	0.13453
<b>1</b> 0	2016 �42	2	0.097	6.8	2.625	1.8	0.13301
<b>\$</b> 9	2071 �36	-1	0.114	7.1	2.541	1.5	0.13141
<b>\$</b> 8	1926 �31	4	0.085	5.7	2.667	1.4	0.13288
<b>\$</b> 23	1947 �68	4	0.086	7.4	2.651	1.7	0.13933
<b>\$</b> 9	1932 �36	10	0.061	8.1	2.891	1.4	0.13156
<b>\$</b> 8	2047 �33	-1	0.11	5.3	2.54	1.5	0.13227
<b>\$</b> 9	2064 �35	0	0.107	6.3	2.551	1.5	0.13325
<b>\$</b> 8	2068 �32	-1	0.11	5	2.552	1.4	0.13153
<b>�</b> 15	1363 �31	18	0.037	6	3.064	1.5	0.14053
<b>\$</b> 20	1595 �28	12	0.054	7.3	2.901	1.5	0.13334
<b>1</b> 4	2157 �54	-3	0.122	7	2.46	2.3	0.1338
<b>�</b> 11	2184 �52	-3	0.126	8	2.44	2.1	0.1343
<b>\$</b> 7	2045 �41	-1	0.111	6	2.53	2	0.1317
<b>1</b> 0	2135 �49	-1	0.115	7	2.54	2.1	0.1313
<b>1</b> 4	2197 �58	-11	0.158	8	2.32	2.3	0.1318
<b>@</b> 11	2320 �56	-10	0.168	8	2.3	2.2	0.1335
<b>@</b> 12	2258 �55	-10	0.15	7	2.34	2.3	0.1313
<b>%</b> 8	1778 �65	-9	0.128	11	2.41	2.6	0.1286
<b>@</b> 13	2260 �57	-9	0.154	8	2.34	2.2	0.1328
<b>%</b> 8	2174 �46	-8	0.143	7	2.38	2	0.1317
<b>@</b> 11	1752 �90	-8	0.118	11	2.45	2.6	0.1273
<b>%</b> 7	2195 �51	-8	0.146	7	2.36	2	0.1331
<b>1</b> 0	2297 �66	-8	0.152	8	2.37	2.4	0.1324
<b>\$</b> 9	2223 •49	-8	0.135	5	2.36	2.1	0.1331
<b>%</b> 14	2181 �59	-7	0.142	8	2.37	2.3	0.1327
<b>\$</b> 9	2248 • 48	-7	0.132	5	2.37	2.1	0.1328
<b>*</b> 11	2193 �54	-6	0.135	7	2.38	2.2	0.1336
<b>1</b> 0	2151 • 49	-6	0.129	6	2.4	2.2	0.133
<b>\$</b>	1486 �31	11	0.06	5	2.97	2	0.1278
<b>@</b> 12	1963 �55	-6	0.118	7	2.42	2.2	0.1332

<b>�</b> 16	1984 �86	8	0.066	16	2.73	2.5	0.1364
<b>�</b> 18	1934 �67	10	0.052	25	2.72	2.8	0.1379
<b>\$</b> 32	2235 �168	5	0.083	29	2.69	3.3	0.1292
<b>@</b> 28	1915 �96	6	0.078	17	2.65	3.7	0.1343
<b>1</b> 7	1909 �68	3	0.083	19	2.57	3.1	0.1361
<b>2</b> 2	2084 @100	7	0.068	28	2.62	3.1	0.1374
<b>•</b> 14	1918 �56	9	0.059	18	2.73	2.4	0.1358
<b>•</b> 16	1939 •94	8	0.048	32	2.74	2.5	0.1354
<b>•</b> 15	1950 @63	5	0.084	12	2 64	2.5	0 1353
<b>•</b> • •	1000 000	Ũ	0.001		2.01	2.0	0.1000
<b>1</b> 4	2122 �68	17	0.028	33	2.99	2.5	0.1361
<b>•</b> 42	1825 @100	9	0.056	37	2.8	5.1	0.1333
<b>•</b> 26	1404 •78	#DIV/0!	0.009	30	5.5	5	0.1398
<b>4</b> 25	1910 \$77	13	0.049	20	2.86	24	0 1349
<b>●</b> 15	1735 \$51	23	0.010	161	3.26	2.1	0 1346
♣10	1740 484	20	0.004	45	3.5	2. <del>4</del> 1.1	0.1340
♦22 ♠24	1154 461	20 /3	0.010	310	0.0		0.1385
♦ 2 4	1026 463	40	-0.001	-510		2.4	0.1303
↓ 10		11	0.00	13	2.0	2.0	0.1304
<b>♥</b> 17	2000 \$62	11	0.039	42	2.75	3.3	0.1397
<b>♥</b> 20	1904 \$63	11	0.039	38	2.79	2.9	0.1303
<b>4</b> 9	1654 \$38	17	0.048	8	3.13	2.2	0.1315
<b>4</b> 9	2051 @117	0	0 107	63	2 583	12	0 13111
<b><b>û</b>10</b>	2039 @30	0	0 105	32	2 586	1.3	0 13125
<b>A</b> 9	2076	0	0 108	2.8	2 572	1.3	0 13177
<b>4</b> 10	2074 \$ 50	0	0.108	3.9	2 569	2	0 13141
<b>₽</b> 10 <b>₽</b> 12	2120 434	-3	0.100	3.5	2 503	14	0.13123
↓12	1060 \$32	-0	0.110	3.0	2.505	1.7	0.13120
↓12	2078	1	0.030	2.2	2.042	1.3	0.13102
↓ 10	2070 - 451	1	0.107	2.0	2.505	1.3	0.13370
₩9 ▲14	$2052 \oplus 51$	3	0.100	3.0	2.309	1.0	0.13100
↓ 14	2150 - 3177 - 314	-5	0.119	3.7	2.470	1.4	0.13240
♥17 ♠12		1	0.112	3.0	2.520	1.5	0.13274
<b>W</b> 12	2169 🎔 46	1	0.111	4.2	2.557	1.7	0.13189
<b>�</b> 13	2206 �40	-7	0.129	3.3	2.392	1.4	0.13215
<b>A</b> 0	2171 236	2	0 105	47			
<b>↓</b> 3 <b>▲</b> 15	1020 438	2	0.103	4.7			
₩15 A7	1929 400	1	0.097	4.0			
<b>♥</b> / ♪7		0	0.036	34.3			
	2000 \$20	3	0.095	3.0			
<b>\$</b> 9	1983 �29	4	0.091	4.2			
<b>4</b>	1774 �21	12	0.064	3.7			
<b>�</b> 54	528 🔶 13	16	0.026	2.8			
<b>2</b> 3	2328 •96	20	0.045	11			
<b>•</b> 22	2050 •73	22	0.065	6			
<b>ě</b> 10	1993 •31	55	0.007	21.1			
<b>@</b> 11	1415 •48	19	-0.015	-30.6			
<b>A</b>	1110 🐺 10	10	0.010	00.0			
<b>\$</b> 23	1995 �64	0	0.102	8.3	2.565	2.1	0.13376
<b>\$</b> 23	2153 �68	1	0.11	8.9	2.558	2.2	0.13382
<b>\$</b> 25	2083 �107	-2	0.115	9.4	2.493	2.2	0.13388

<b>\$</b> 24	1979 �65	1	0.1	7.6	2.604	2.1	0.13287
<b>�</b> 17	2078 �54	1	0.105	7.6	2.563	1.8	0.13238
<b>4</b> 24	2089 �71	1	0.104	9.4	2.575	2.3	0.13255
<b>�</b> 18	2205 �71	-1	0.118	7.2	2.513	2	0.13352
<b>\$</b> 26	2036 �79	-2	0.114	9.8	2.522	2.1	0.1331
<b>1</b> 9	2153 �59	0	0.111	7.1	2.556	2.1	0.13273
<b>1</b> 9	2113 �55	-3	0.12	7.5	2.509	2	0.13116
<b>1</b> 6	2118 �71	2	0.104	5.8	2.555	1.7	0.13459
<b>\$</b> 34	2266 �112	2	0.109	10.6	2.531	2.4	0.13344
<b>4</b> 22	2166 �64	-4	0.127	7.4	2.472	2.1	0.13173
<b>@</b> 20	2244 �70	0	0.119	8.5	2.547	1.8	0.13084
<b>2</b> 1	2302 �59	-3	0.128	5.7	2.436	1.9	0.13405
<b>1</b> 5	2189 �45	1	0.113	4.9	2.547	1.7	0.13309
<b>4</b> 25	2278 \$76	-5	0.135	7.8	2.437	2.4	0.13097
·	·						
<b>4</b> 22	2189 �64	-7	0.148	8.7	2.415	2	0.13044
<b>•</b> 17						1.1	0.13237
<b>•</b> 21						1.1	0.13355
Ŷ							
<b>�</b> 10	1985 �33	9	0.085	3.7	2.787	1.5	0.1349
<b>•</b> 10	2008 �45	4	0.091	5.7	2.688	1.5	0.132
<b>•</b> 14	1902 �44	7	0.074	8.6	2.741	1.7	0.1327
<b>•</b> 13	1927 �46	6	0.084	5.1	2.746	1.5	0.1336
<b>•</b> 10	1945 �34	5	0.088	4.8	2.702	1.5	0.1322
<b>•</b> 14	1842 �39	6	0.08	5.8	2.731	1.7	0.1327
<b>•</b> 16	1990 �51	7	0.079	7.6	2.758	1.7	0.1341
<b>•</b> 11	2169 �49	-1	0.118	6.6	2.527	2.1	0.133
<b>ě</b> 13	1979 �56	6	0.082	7.6	2.752	1.8	0.1338
<b>•</b> 12	2070 •41	0	0.11	6.5	2.57	1.6	0.1316
<b>•</b> 7	2020 •34	4	0.099	2.7	2.639	1.5	0.1337
<b>•</b> 12	2025 •40	7	0.086	6	2.703	1.7	0.134
<b>•</b> 11	2107 �53	4	0.096	7.3	2.623	1.6	0.1339
<b>•</b> 12	2016 •40	4	0.094	5.1	2.622	1.6	0.1351
Ŷ				••••			
<b>�</b> 9	1718 �28		0.072	2.6	3.007	1.6	0.134
<b>•</b> 17	1721 �54	19	0.03	14.1	3.176	1.6	0.1355
<b>4</b> 28	2228	3	0.103	7.1	2.621	1.7	0.1448
<b>•</b> 16	1936 �41	14	0.068	4.9	2.974	1.6	0.1353
<b>•</b> 17	1936 �48	12	0.069	6.5	2.894	1.8	0.1327
Ŷ	• • • •						
<b>�</b> 12	2021 �52	2	0.0998	4.1	2.62	1.3	0.13337
<b>%</b> 7	2039 �25	4	0.097	3.3	2.638	1.1	0.13281
<b>\$</b> 7	2125 �45	-1	0.1124	3.9	2.553	1.5	0.13173
<b>1</b> 0	2030 �52	3	0.0947	8.8	2.622	1.9	0.13365
<b>*</b> 8	2010 �45	5	0.0892	5.6	2.689	1.5	0.13255
<b>%</b> 8	2011 🏟 33	6	0.0889	3.8	2.716	1.1	0.13205
<b>•</b> 9	2005 �34	5	0.0907	4.6	2.692	1.4	0.13336
<b>\$</b> 7	2079 �29	0	0.1089	4.5	2.562	1.3	0.13188
<b>\$</b> 9	2004 �22	4	0.0945	3	2.662	1	0.13247
<b>•</b> 17	2027 \$52	6	0.0877	7.3	2.717	2	0.13243
<b>∲</b> 8	2009 �35	5	0.0935	3.2	2.697	1.1	0.13225
∲8	2032 🏟 41	3	0.0994	4.3	2.635	1.9	0.13258
	•						

<b>1</b> 2	2074 �35	6	0.0921	4.1	2.665	1.3	0.13646
<b>\$</b> 9	2003 �29	6	0.0879	4.3	2.699	1.2	0.13273
<b>�</b> 17	2719 �71	8	0.1119	7.9	2.853	2.3	0.13288
<b>%</b> 7	2034 �48	3	0.0999	3.6	2.649	1.4	0.13164
<b>�</b> 10	2069 �36	9	0.0848	3.6	2.798	1.1	0.13463
<b>\$</b> 9	2061 �37	7	0.0909	3.3	2.755	1.1	0.1333
<b>\$</b> 8	2051 �32	1	0.1043	3.3	2.6	1.5	0.1325
<b>�</b> 10	1989 �38	5	0.0805	10	2.707	1.8	0.13203
<b>%</b> 12	2035 �31	4	0.0943	4.1	2.682	1.3	0.13217
<b>\$</b> 7	1961 �29	11	0.0808	2.8	2.874	1.1	0.13239
<b>%</b> 12	2314 �50	23	0.0381	10.2	3.36	1.4	0.13368
<b>�</b> 14	2024 �26	-1	0.1066	3.1			
<b>%</b> 7	2084 �26	3	0.1001	3.6			
<b>\$</b> 3	1982 �24	4	0.0909	3.7			
<b>\$</b> 5	2072 �24	3	0.0965	4.3			
<b>�</b> 11	2068 �35	2	0.1018	5.1			
<b>\$</b> 8	2096 �30	1	0.1054	3.9			
<b>\$</b> 24	105 �2	42	0.005	1.8			
<b>\$</b> 8	1819 �23	0	0.0952	3			
<b>@</b> 23	2240 �64	9	0.0924	4.2			
<b>@</b> 21	2437 �160	14	-0.0201	-126.1			
<b>%</b> 11	1958 �40	38	0.0024	114.7			
<b>\$</b> 8	1984 �29	1	0.097	5.6			
<b>\$</b> 5	1979 • 26	3	0.082	5.2			
<b>4</b>	2026 @38	4	0.092	2.9			
₩5	1980 @21	6	0.068	5.3			
<b>₩</b> 4	2051 15	5	0.094	2			
<b>\$</b> 0	2004 🖤 22	1	0.069	5.3			
<b>%</b> 6	1130 •27	40	0.024	4.3			
<b>₩</b> 4	1790 18	15	0.064	2.1			
<b>♥</b> 0 ♠ E		24	0.052	1.7			
<b>♥</b> 0 ▲2	1374 VI3	34	0.005	20.2			
<b>₩</b> 3 <b>▲</b> 1	2079 VI9	4	0.1	1.9			
<b>√</b> 4 <b>▲</b> 1	1723 14	20	0.062	1.5			
<b>↓</b> <sup>4</sup> <b>↓</b> 7	1740 ₩23	20	0.004	1.9			
<b>@</b> 22	1287 �57	11	0.047	6.2			
<b>\$</b> 6	1906 �86	22	0.009	90.6			
<b>�</b> 10	2030 �75	7	0.047	29	2.743	1.8	0.1341
<b>∲</b> 5	2112 �32	1	0.095	13	2.593	1.2	0.1325
<b>\$</b> 9	2028 �79	5	0.038	38	2.699	1.2	0.1347
<b>�</b> 5	2083 �30	2	0.094	8	2.607	1.2	0.1333
<b>�</b> 6	2056 �34	2	0.093	12	2.591	1.2	0.1327
<b>4</b>	2165 �54	-1	0.119	8	2.522	1.1	0.1338
<b>�</b> 6	2071 �33	3	0.079	15	2.625	1.2	0.1327

<b>�</b> 4	2120 🏶2	27	1	0.106	7	2.569	1.1	0.1327
<b>�</b> 4	2135 �´	162	3	0.103	9	2.607	1.4	0.1329
<b>�</b> 6	2073 🍫	42	1	0.097	10	2.596	1.2	0.1323
<b>∲</b> 5	2034 🏟	30	3	0.086	10	2.634	1.2	0.132
<b>\$</b> 5	2033 🏟	33	4	0.068	15	2.648	1.2	0.1335
<b>\$</b> 8	1989 🏟	44	7	0.07	9	2.723	1.4	0.1357
<b>%</b> 7	2051 🏟	43	4	0.08	10	2.651	1.2	0.1341
<b>4</b>	1964 🏟	26	6	0.07	8	2.7	1.1	0.1338
<b>\$</b> 5	2053 🏟	40	2	0.097	6	2.596	1.1	0.134
<b>\$</b> 6	2036	37	4	0.064	19	2.648	1.2	0.1335
<b>%</b> 6	2085 🏟	37	2	0.093	9	2.583	1.2	0.134
<b>�</b> 16	1994 🚸	51 1	6	0.052	7	2.964	1.4	0.1407
<b>\$</b> 3	2055 🍫	26	2	0.098	6	2.599	1.1	0.1325
<b>•</b> 12	2085 🍫	45 -	-1	0.117	8.9	2.49	1.2	0.13432
<b>%</b> 8	1943 🌒	31	9	0.068	5.2	2.75	0.9	0.13516
<b>%</b> 7	2064 🌒	33	0	0.107	6.2	2.51	0.9	0.13476
<b>@</b> 12	2062 🌮	48	5	0.079	9	2.63	1.2	0.13507
<b>@</b> 11	2018 🌮	42	0	0.104	8.8	2.51	1.2	0.13561
<b>@</b> 18	2112 🌒	51	0	0.11	10.8	2.48	1.2	0.13742
<b>\$</b> 9	2133 🌒	33	2	0.097	7.3	2.53	1	0.13702
<b>\$</b> 9	1979 🌒	35	7	0.055	11.7	2.67	1	0.13689
<b>@</b> 21	1959 🌒	36	7	0.07	12.6	2.68	1.7	0.13546
<b>@</b> 11	2057 🌒	44	2	0.093	9	2.55	1.2	0.13643
<b>@</b> 13	2033	64	5	0.071	13.8	2.59	1.3	0.13815
<b>@</b> 7	1965 🏶 2	24	6	0.075	4.8	2.67	0.9	0.136
<b>�</b> 17	944 🛷	34	4	0.045	4.5	6.57	0.6	0.07064
<b>\$</b> 9	1721 🏶2	27 1	9	0.015	20.1	3.09	0.8	0.13651
<b>�</b> 6	1852 🏶2	29 1	3	0.028	12.5	2.87	0.8	0.13673
<b>\$</b> 5	2000 🍫	24	5	0.076	5.1	2.64	0.7	0.13503
<b></b>	2277 🏟	61 -	-2	0.125	6.2	2.445	1.6	0.1365
<b>1</b> 5	2087 🌒	68 -	-3	0.115	4.7	2.463	1.4	0.1346
<b>Q</b> 27	1746 🏶	- 88	-1	0.095	8.9	2.563	1.5	0.1353
<b>@</b> 20	2084 🌒	66	1	0.105	7.4	2.575	1.8	0.1333
<b>@</b> 17	2191 🏶	69	0	0.113	9	2.47	1.6	0.1373
<b>@</b> 16	2084 🐠	57 -	-2	0.115	5.8	2.482	1.3	0.1353
<b>\$</b> 9	2088 •2	29	3	0.1	3.1	2.543	0.9	0.1383
<b>@</b> 18	1999 🏶	63 -	-1	0.106	5	2.501	1.4	0.136
<b>Q</b> 27	2130 🌒		-4	0.135	10.8	2.444	1.4	0.1347
<b>Q</b> 17	2049 🌒	46 -	-1	0.108	4.3	2.506	1.3	0.136
<b>%</b> 31	1810 🔮	87	2	0.087	8.9	2.554	1.9	0.1399
<b>%</b> 21	2411 🌒	14/	0	0.126	7	2.492	1.3	0.1402
<b>♥</b> 10	2132	29	1	0.109	2.4	2.53	1	0.1359
¶¢18 ♠00	2094	00 70	0	0.108	6.2	2.506	1.5	0.1363
<b>\$</b> 22	2210	/3 - F0	-1	0.11/	(	2.5	1.9	0.1355
<b>₩</b> 15	2246	5U -	-4	0.132	4.9	2.409	1.4	0.1353
<b>₩</b> 17	2266 40	0 I -	-4	0.136	6.4	2.398	1.6	0.1355
<b>*</b> 14	2213 🏶4	48 -	-2	0.122	4.8	2.4/4	1.3	0.1342

<b>∲</b> 8	2134 �30	-1	0.113	2.6			
<b>�</b> 11	2068 �39	7	0.089	4.9			
<b>\$</b> 7	2201 �32	0	0.113	4.9			
<b>\$</b> 12	2057 �50	2	0.096	11.9			
<b></b>	1796 �24	10	0.087	1.6			
<b>1</b> 9	1715 �42	5	0.084	2.9			
<b>\$</b> 26	1885 �68	7	0.084	5.5			
<b>\$</b> 25	2185 �56	8	0.1	3.9			
<b>1</b> 5	680 �12	8	0.032	2.3			
<b>%</b> 8	2034 @27	0	0.103	6.8			
<b>4</b> 40	2100 @188	19	-0.028	-74.9			
<b>@</b> 37	1494 🏶 43	21	0.065	3.2			
<b>4</b> 2	734 🏶 18	53	0.026	2.6			
<b>\$</b> 32	1960 �51	14	0.09	3.1			
<b>1</b> 3	2014	1	0.101	3.5	0.505		0 4050
<b>()</b> 14	1957 4941	-1	0.106	4	2.525	1	0.1358
<b>*</b> 9	2007 @28	1	0.102	3.2	2.569	0.8	0.1337
<b>*</b> 10	2048 @37	2	0.1	5.2	2.59	1	0.1331
♥11 ▲ 11	1911 \$34	2	0.092	4	2.592	1	0.1352
♥11 ▲10		ן ר	0.103	5.4	2.557	1	0.1344
♥ 18 ▲ 10	1994 \$33	5	0.089	4.8	2.653	1	0.1343
♥10 ♠10	2102 \$41	0	0.109	6.5 5.0	2.526	1	0.1344
♥10	2019 \$31	0	0.11	5.3	2.512		0.1342
<b>4</b> 9	2088 4037	-1	0.117	5.7	2.484	0.9	0.1343
<b>€</b> 9 ♠10	1904 <b>\$</b> 32	1	0.095	D.∠	2.54	0.9	0.1340
♥10	2030 \$30	3	0.097	3.1	2.583	0.9	0.1309
<b>₩</b> 9 <b>▲</b> 10	2042 <b>\$</b> 30	5	0.004	5 5 7	2.030	0.9	0.1303
	2021 - 4021	2	0.095	0.7 2.7	2.505		0.1340
<b>₩</b> 0	2051 🖤24	4	0.097	2.1	2.597	0.0	0.1353
<b>\$</b> 24	2378 �130	36	0.025	24.1	3.939	2.5	0.1423
<b>\$</b> 26	1264 �73	#DIV/0!	-0.014	-18.7	20.051	4.8	0.1568
<b>%</b> 13	1660 �76	28	0.027	16.1	3.485	3.2	0.1382
<b>%</b> 7	2087 �26	0	0.109	2.8			
<b>\$</b> 8	2006 �28	4	0.093	4			
<b>�</b> 5	2059 �40	3	0.094	6			
<b>�</b> 16	2104 �32	1	0.108	3.6			
<b>�</b> 7	2050 �26	2	0.099	3.8			
<b>�</b> 3	2048 �20	0	0.107	1.8			
<b>�</b> 4	2011 �21	2	0.098	3.7			
<b>\$</b> 5	2135 �24	-1	0.114	4			
<b>�</b> 10	2063 �37	6	0.085	4.5			
<b>�</b> 13	2133 �34	6	0.1	2.4			
<b>4</b> 9	2130 �120	32	0.012	90.6			
<b>\$</b> 35	3237 �123	30	0.031	24.1			
<b>�</b> 12	1891 �27	12	0.079	2.1			

<ul> <li>♦9</li> <li>♦56</li> <li>♦84</li> <li>♦38</li> <li>●3</li> </ul>	2078 <b>(</b> )29 2429 <b>(</b> )125 4296 <b>(</b> )421 2617 <b>(</b> )150 1952 <b>(</b> )21	10 22 22 11 8	0.085 0.075 0.051 0.081 0.091	2.7 9.3 87.7 11 1.8			
<b>4</b> 41	3071 177	51	-0.038	-35.2			
<b>1</b> 5	2950 465	18	0.071	6.2			
<b>4</b> 36	668 •16	70	0.02	2			
<b>•</b> 6	1813 �21	13	0.078	1.9			
<b>1</b> 55	5327 �630	43	-0.003	-2473			
<b>∲</b> 5	2022 �20	4	0.1	1.6			
<b>\$</b> 22	2077 �52	5	0.086	9.8	2.613	1.5	0.1365
<b>\$</b> 9	2068 @35	3	0.096	5.3	2.572	1.4	0.1357
<b>*</b> 10	2109 42	-1	0.113	6.9	2.495	1.4	0.1352
<b>€</b> 9 ●7	2067 40	3	0.097	50	2.55	1.3	0.1367
<b>♥</b> / ▲11	2085 429	5	0.080	5.8 7.5	2.617	1.2	0.1364
<b>√</b> /	2139 444	1	0.106	7.5 10.1	2.04	1.5	0.134
<b>√</b> 4 ▲12	2009 141	2	0.105	10.1	2.515	16	0.1303
√12	2101 1 49 49	2	0.097	62	2.54	1.0	0.1359
<b>◆</b> 10	2130 \$39	2	0.1	73	2.530	1.1	0.1357
<b>4</b> 7	2142 \$60	0	0.109	5.6	2.535	1.4	0.1307
<b>1</b> 0	2066 440	4	0.088	8.6	2.581	1.2	0.1366
<b>•</b> 19	2299 482	-1	0.126	13.2	2.492	2.2	0.1342
<b>2</b> 0	2114 •73	5	0.087	13.5	2.594	2.1	0.1373
<b>•</b> 18	1982 �50	5	0.076	13.2	2.579	1.5	0.1386
<b>•</b> 18	2021 �100	-3	0.12	17.8	2.477	3.4	0.1342
<b>4</b> 23	2156 �40	3	0.099	7.7	2.559	1.3	0.1361
<b>�</b> 15	2181 �62	7	0.076	13.2	2.61	1.8	0.1387
<b>\$</b> 29	2161 �61	3	0.093	16.8	2.503	1.7	0.1399
<b>�</b> 6	6235 �72	-12	0.444	2.5	2.274	1.1	0.1326
<b>*</b> 6	2046 • 25	4	0.094	3.3			
♦ 5	1994 4943	3	0.095	6.2			
<b>₩</b> 4 <b>▲</b> 5	1993 <b>@</b> 24	3	0.094	3.8			
<b>€</b> 5	2025 <b>\$</b> 20	C ⊿	0.093	3.4			
<b>∜</b> 3 ♠10	1970 425	4	0.095	3.1 / 1			
<b>♦</b> 10	1995 1085 22	4	0.091	4.1			
<b>↓</b> 3 <b>▲</b> 17	1985 422		0.091	3. <del>4</del> 4			
<b>4</b> 6	1969 424	2	0.097	37			
<b>4</b> 8	1953 •29	4	0.088	4 2			
<b>Å</b> 6	2014 • 25	3	0.094	4			
<b>4</b>	2021 •21	3	0.095	3.2			
<b>\$</b> 8	1841 �75	5	0.066	20.6			
<b>�</b> 11	2060 �36	3	0.096	5			
<b>�</b> 11	2115 �41	6	0.082	7.1			
<b>\$</b> 6	1870 🏶43	6	0.0129	188.7			
<b>%</b> 11	1928 �50	2	0.0945	5.8			

<b>�</b> 7	1944 �39	4	0.0911	5.4			
<b>1</b> 3	1958 �46	3	0.0923	6.6			
<b>\$</b> 7	2006 �41	4	0.0865	9.4			
<b>\$</b> 8	2021 �97	-2	0.1107	10.8			
<b>\$</b> 9	1977 �41	7	0.092	3.9			
<b>1</b> 2	2267 🛛 49	-4	0.1296	5.4			
<b>•</b> 18	2064 �50	7	0.0855	7.2			
·	·						
<b>�</b> 10	2114 �52	11	0.081	6.1			
<b>•</b> 7	1885 �37	11	0.0828	3.4			
<b>•</b> 18	1883 �40	14	0.0737	4.8			
<b>•</b> 15	1832 �44	15	0.0681	4.9			
<b>•</b> 17	1962 • 45	13	0.0815	4.2			
•	••••						
<b>1</b> 3	1882 �61	10	0.051	16	2.88	1.9	0.1324
<b>•</b> 9	1926 �60	5	0.075	12.9	2.71	1.8	0.1321
<b>•</b> 17	1921 •40	6	0.086	4.8	2.75	1.8	0.1345
<b>•</b> 13	1912 •46	5	0.088	5.2	2.73	1.9	0.1326
<b>•</b> 11	1957 •51	7	0.061	17.3	2.77	1.8	0.1321
<b>4</b> 8	1948 •40	8	0.06	13.2	2.8	1.7	0.1324
<b>\$</b> 8	1793 •49	6	0.06	13.9	2 75	17	0 1319
<b>4</b> 8	1921 @34	4	0.095	2.9	2.68	1.8	0 1326
<b>\$</b> 9	1898 •47	9	0.041	23.3	2.83	1.8	0 1331
<b>4</b> 8	2055 @36	4	0.099	37	2.68	1.0	0 1334
<b>•</b> 15	1918 •42	7	0.087	4.2	2.73	1.8	0.1366
<b>4</b> 17	1945 445	5	0.082	8.9	2 69	1.8	0 1333
<b>4</b> 7	1979 •38	6	0.07	12	2 73	1.0	0 1324
<b>•</b> 11	2057 449	2	0.097	10.8	26	1.8	0 1333
<b>4</b> 9	2025 @39	- 1	0 103	34	2.58	1.0	0 1353
<b>4</b> 10	1959 441	9	0.072	8.3	2.00	1.0	0 133
<b>4</b> 21	1947 • 48	9	0.09	3.8	2.70	22	0 1374
<b>v</b> = ·		Ũ	0.00	0.0	2.77	2.2	0.1071
<b>1</b> 8	1969 �43	7	0 097	28	27	21	0 1384
<b>4</b> 8	3251 468	, 8	-0 184	-26.1	1.5	1.9	0.3118
<b>\$</b> 6	3267 \$74	6	-0 141	-47 1	1 4 1	2.1	0.3322
<b>~</b> -	0201 \$	Ũ	0				0.0022
<b>1</b> 19	1071 �49	38	0.038	8 1	3 88	21	0 2234
<b>2</b> 20	1249 • 46	16	0.019	24.1	3 12	1.8	0 1329
<b>2</b> 0	1935 \$55	13	0.072	61	2.98	21	0 1348
<b>\$</b> _\$	1515 \$50	13	0.027	21.7	2.98	17	0 1321
<b>•</b> 18	1625 447	14	0.03	23.3	2.99	1.8	0 1335
<b>4</b> 10	1939 @37	13	0.076	4 2	2.00	1.0	0.1328
<b>4</b> 50	2128 144	14	0.067	11	2.00	1.0	0.1020
<b>4</b> 22	2011 \$25	14	0.077	47	2.91	1.0	0 143
<b>1</b> 8	2188 •64	4	0.102	7.9	2.61	22	0.1325
<b>2</b> 71	2208 @174	.3	0 107	11.4	2.5	1.8	0.1607
<b>1</b> 4	1993 445	15	0 077	4.6	2.93	2	0 1345
<b>4</b> 23	2232 467	_1	0 119	4.8	2.00	1 8	0 1557
<b>4</b> 59	2974 160	ı _8	0.19	 5.3	2. <del>4</del> 2 1 95	1 9	0 262
<b>4</b> 10	2073 441	-0 4	0.13	۵.5 ۵ (	2.51	1 0	0 1408
	026 <b>\$</b> 31		_0 0/	-10 3	2.01	1.3	0.1501
<b>A</b> 10		24	-0.04	-10.5	0.00	1.7	0.1001

<b>%</b> 7	2001 �58	8	0.089	4.6	2.84	1.8	0.1292
<b>�</b> 10	1951 �38	2	0.094	6.7	2.66	1.7	0.1301
<b>%</b> 7	1924 �31	3	0.092	4	2.7	1.6	0.13
<b>�</b> 6	1986 �32	3	0.093	5.4	2.69	1.6	0.1303
<b>\$</b> 8	2047 �43	2	0.1	7.2	2.65	1.6	0.1297
<b>�</b> 7	1991 �38	3	0.094	6.8	2.67	1.6	0.1299
<b>�</b> 10	1995 �38	1	0.101	5.3	2.63	1.7	0.13
<b>�</b> 7	1931 �37	2	0.094	5.6	2.66	1.6	0.1303
<b>�</b> 7	2044 �38	8	0.079	6.4	2.8	1.6	0.1317
<b>�</b> 13	2165 �47	-3	0.121	5.3	2.5	1.7	0.1331
<b>\$</b> 8	1952 �46	6	0.082	6.5	2.73	1.6	0.133
<b>�</b> 16	2028 �36	8	0.085	5.7	2.78	1.6	0.1314
<b>\$</b> 9	1580 �43	21	0.029	16.4	3.3	2.6	0.1289
<b>\$</b> 25	1783 �71	31	0.008	84.5	3.78	3	0.1315
<b>\$</b> 29	1923	1	0.098	3.8	2.66	1.7	0.1292
♥10	1908 \$35	2	0.093	5	2.67	1.7	0.1297
<b>€</b> 9	1932 <b>\$</b> 33	2	0.098	3.1	2.00	1.7	0.1290
<b>€</b> 9	1903 \$32	4	0.092	3.4	2.7	1.0	0.1312
♥10	1962 \$	2	0.1	2.7	2.05	1.7	0.1304
♥10	1903 <b>()</b> 30	4	0.095	3.7	2.09	1.7	0.1313
<b>₩</b> 0 <b>▲</b> 11	1920 <b>\$</b> 30	5	0.000	4.2	2.12	1.0	0.1305
<b>₩</b> 11	1020 \$	3	0.079	4.1	2.07	1.7	0.1309
<b>↓</b> 10	1909 192	10	0.099	3.4	2.04	1.0	0.1304
↓ 13	2004	10	0.00	3.9	2.07	1.7	0.132
↓ 12	2004 \$33	7	0.099	2.5	2.05	1.7	0.1320
<b>4</b> 24	1600 \$42	6	0.000	2.0	2.74	2.1	0.104
<b>◆</b> 24 <b>④</b> 16	1993 @38	7	0.002	3	2.7	17	0.1395
• • •		,	0.000	U	<i>L.1 L</i>		0.1000
<b>@</b> 10	1224 �24	16	0.045	3.7	3.03	1.6	0.1352
<b>@</b> 11	1774 🏶 45	15	0.072	3.9	3.11	2	0.1295
<b>@</b> 13	1662 �38	11	0.072	3.4	2.91	1.7	0.1334
<b>@</b> 10	1739 �47	11	0.077	4.1	2.87	2.1	0.1336
<b>\$</b> 8	1741 �30	15	0.071	2.9	2.99	1.6	0.135
<b>@</b> 15	1622 @35	13	0.069	3.2	2.89	1.7	0.1378
<b>@</b> 17	2009 �37	23	0.088	2.1	3.24	1.7	0.1396
<b>\$</b> 7	1990 �35	0	0.105	7			
<b>\$</b> 24	2115 \$\$54	-1	0.112	5.5			
<b>4</b> 6	2103 (\$39	1	0.105	5.8			
<b>%</b> 10	2023 🏶 38	-1	0.107	5.4			
<b>*</b> 8	1838 🏶 / 8	-3	0.122	12			
♥/ ♠ ⊑	2048 \$36	2	0.1	5.4			
\$€2	2019 �37	-1	0.113	8.4			
<b>(</b> )10	2040 �60	-1	0.111	7.7			
<b>₩</b> 6	2013 @33	-1	0.11	8.1			
♥16	2165 4047	-1	0.114	4			
�₽(	2008 �57	1	0.101	5.3			

<b>\$</b> 9	1996 �53	3	0.097	5.7			
<b>�</b> 6	2035 �32	3	0.1	3.9			
<b>%</b> 7	2030 �33	3	0.101	3			
<b>�</b> 14	2050 �40	6	0.094	4.2			
<b>�</b> 10	2086 �69	7	0.092	5.2			
<b>�</b> 7	1964 �45	9	0.072	6.8			
<b>\$</b> 5	2004 🏶 42	6	0.092	3.9			
<b>�</b> 18	2044 �42	12	0.058	11.6			
<b>∲</b> 5	1484 �46	-19	0.144	6.9			
<b>%</b> 8	1832 �138	-6	0.12	10.3			
<b>4</b> 4	1812 �72	13	-0.045	-78.4			
<b>\$</b> 9	1955 �38	17	0.07	4			
<b>%</b> 8	1283 �28	19	0.015	25.2			
<b>1</b> 2	1608 �565	28	0.018	298.4			
<b>•</b> 13	2067 \$52	34	0.035	7.8			
<b>•</b> 9	1880 •38	34	0.035	5.6			
<b>@</b> 4	2307 •64	45	-0.152	-5.5			
<b>•</b> 15	2044 •76	60	-0.007	-29.1			
<b>@</b> 17	515 @12	1	0.026	2.8			
•	010 01		0.020	2.0			
<b>1</b>	2027 �40	4	0.098	3.3			
<b>4</b> 9	1877 •38	10	0.075	54			
<b>4</b> 5	2313 •37	10	0.056	15.1			
<b>\$</b> 6	2039 \$33	7	0.096	27			
<b>~</b> ~	2000 \$00	'	0.000	2.7			
<b>2</b> 6	2058 �58	1	0.103	6			
<b>4</b> 5	2041 \$57	10	0.082	6.5			
<b>2</b> 6	2105 @33	0	0 109	4 1			
<b>2</b> 6	2158 •42	4	0 103	4 4			
<b>4</b> 7	2184 \$52	3	0.096	11.3			
<b>4</b> 42	2488 •60	-1	0 136	14.2			
<b>4</b> 10	2242 440	10	0.081	6			
<b>4</b> 10		10	0.001	Ŭ			
<b>@</b> 12	1991 �103	13	0 076	11.6			
<b>4</b> 6	2706 •78	29	-0.063	-13.9			
<b>4</b> 14	2007 • 41	13	0.076	4.9			
<b>4</b> 5	1931 • 41	15	0.074	4 2			
<b>4</b> 29	2533 •167	51	0.019	38.2			
<b>₽</b> 20 <b>₽</b> 7	2865 466	12	0.017	222.1			
<b>4</b> 8	1903 \$39	11	0.066	77			
<b>4</b> 19	2509 \$72	67	0.000	307.2			
<b>4</b> 6	2529 103	11	#\/ALLIE!	#\/ALLIF!			
<b>~</b> ~	2020 \$ 100		WWW.LOL.	WWW.LOL:			
<b>1</b> 2	1973 🏟 34	-3	0 1095	4	2 56	14	0 120
<b>4</b> 16	2033 • 46	_2	0 1115	50	2 582	1.4	0 1288
<b>4</b> 30	1925 \$	-2	0 1022	۵.5 د 1	2.002	2	0 1336
<b>4</b> 14	1980 @34	1	0.1022	י.י גי	2 661	15	0 1280
<b>4</b> 15	1981 421	2	0.1000	5.2	2.001	1.5	0 1203
<b>4</b> 13	2037 •37	2	0.0070	3.5	2 708	1.0	0.1202
<ul><li><b>4</b>21</li></ul>	1993 •40	2	0.0000	5.5 6.4	2.700	1.7	0 1207
✓ 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1	2055 \$	2	0.0074	6.2	2.000	1.0	0.1200
<b>W</b> 17	2000 ₩00	-2	0.1120	0.2	2.009	2	0.1234

<b>�</b> 10	1955 �27	1	0.0999	2.8	2.619	1.2	0.1306
<b>\$</b> 9	1930 �28	5	0.085	4.8	2.726	1.2	0.1303
<b>�</b> 15	2036 �35	4	0.0981	2.9	2.688	1.3	0.1363
<b>\$</b> 28	2062 �41	1	0.1049	4.7	2.625	1.7	0.1305
<b>�</b> 11	2047 �48	3	0.0974	5.6	2.662	1.3	0.1305
<b>�</b> 11	2013 �33	2	0.0983	4.8	2.641	1.3	0.1309
<b>�</b> 14	1979 �41	2	0.095	6.2	2.651	1.6	0.1308
<b>�</b> 10	1996 �32	4	0.0924	4.9	2.68	1.3	0.1309
<b>1</b> 5	1959 �44	7	0.0862	4.3	2.766	1.5	0.1313
<b>4</b> 38	1704 🏟 45	23	0 0526	84	3 279	21	0 1334
<b>\$</b> 39	1529 �94	67	-0.0251	-24.3	9.019	4.8	0.1188
<b>a</b> 21	1050 🐠 59	-4	0 115	7	2 561	17	0 1286
<b>4</b> 21	2068 480	-6	0.113	10.8	2.501	3.8	0.1200
<b>№</b> 13	2016 \$30	-0 -0	0.124	24	2,304	1.3	0.1201
♠ 10	2010 \$34	7	0.086	2.4 4	2.700	1.0	0.1200
<b>●</b> 12	2003 @34	-3	0.000	42	2.561	1.1	0.1000
<b>●</b> 21	1928 @39	6	0.09	2.9	2 77	1.0	0.1355
<b>1</b> 6	2032 445	-2	0 112	3.9	2 554	1.0	0.1311
<b>1</b> 5	2063 • 56	1	0.106	4.9	2.637	2.2	0.1302
<b>•</b> 13	1935 •33	1	0.096	4.3	2.655	1.2	0.1301
<b>2</b> 5	2019 •34	-1	0.106	4.4	2.601	1.3	0.1295
<b>•</b> 23	2012 •37	0	0.105	5.9	2.593	1.3	0.1304
<b>•</b> 20	1929 �43	5	0.091	4.1	2.713	1.5	0.1327
<b>•</b> 14	2013 �35	1	0.103	4.2	2.61	1.4	0.1306
<b>1</b> 5	2002 �35	8	0.088	3.8	2.795	1.3	0.1316
<b>•</b> 19	2026 �33	0	0.104	5.1	2.587	1.3	0.1312
<b>\$</b> 25	2018 �38	5	0.097	3.6	2.71	1.3	0.1324
<b>�</b> 34	2153 �72	5	0.102	8	2.69	2.8	0.1326
<b>4</b> 2	1990 �75	0	0.103	7.3	2.56	3.3	0.1337
<b>@</b> 12	2174 �80	-3	0.126	13.1	2.466	3.5	0.1325
<b>\$</b> 59	1881 �99	-2	0.1	8.6	2.666	4.4	0.1257
<b>�</b> 15	2074 �78	-8	0.132	11.4	2.446	3.7	0.1283
<b>\$</b> 27	1457 �55	7	0.063	4.6	2.748	1.2	0.1459
<b>�</b> 16	1857 �39	12	0.074	3.3	2.944	1.1	0.1348
<b>\$</b> 22	2006 �62	9	0.081	4.4	2.823	1.2	0.1399
<b>\$</b> 51	3131 �139	0	0.167	5.1	2.392	2.2	0.1872
<b>1</b> 3	1865 �24	7	0.087	2.4	2.83	1.1	0.1292
<b>�</b> 6	1925 �22	2	0.096	2.1	2.69	1.1	0.129
<b>�</b> 6	1976 �29	3	0.1	2.1	2.69	1.4	0.129
<b>\$</b> 7	2110 �76	-1	0.111	3.9	2.59	1.1	0.1299
<b>\$</b> 6	1989 �28	3	0.099	2.5	2.68	1.1	0.1294
<b>@</b> 22	1972 �60	8	0.09	5.9	2.82	2.9	0.1314
<b>%</b> 17	2074 �31	1	0.106	2.6	2.63	1.1	0.1336
<b>∲</b> 5	2010 �26	2	0.1	3	2.64	1.1	0.1304
<b>\$</b> 7	2034 �34	7	0.094	2.6	2.75	1.1	0.1332
<b>\$</b> 20	916 �15	51	0.026	2.4	5.83	1.3	0.1259
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<b>\$</b> 8	1771 �39	17	0.07	3.3	3.22	1.6	0.127
<b>\$</b> 73	1498 �95	23	0.059	9.7	3.43	3.6	0.1275
<b>•</b> 12	1783 �21	13	0.081	1.7	3.01	1.1	0.1299
<b>\$</b> 6	1707 �32	12	0.074	2.4	2.98	1.1	0.13
<b>%</b> 8	1937 �28	14	0.085	2.2	3.01	1.4	0.1305
<b>•</b> 17	1191 🏟 47	52	0.03	5.2	5.35	3.8	0.133
<b>•</b> 33	2003 🏟 99	14	0.08	9.1	3.01	4.2	0.1365
<b>•</b> 13	1945 🏟 35	25	0.025	13.1	3.44	1.1	0.1319
<b>•</b> 43	3431 �118	-11	0.213	4.1	2.16	1.6	0.1836
·							
<b>�</b> 13	2017 �36	4	0.0979	3.4	2.659	1.5	0.132
<b>�</b> 11	2024 �32	1	0.104	3.2	2.559	1.4	0.1332
<b>•</b> 13	2050 �36	-1	0.108	3.7	2.522	1.5	0.1336
<b>∲</b> 8	2017 �27	0	0.1045	2.4	2.542	1.2	0.1337
<b>1</b> 5	2198 �46	-2	0.121	5	2.48	1.7	0.1337
<b>•</b> 13	1989 �38	3	0.0956	4.9	2.607	1.5	0.134
<b>•</b> 10	2055 �33	0	0.1056	5.1	2.539	1.3	0.1339
<b>•</b> 11	2006 \$32	2	0.1005	3.2	2.577	1.4	0.1341
<b>•</b> 11	2071 �33	1	0.1061	3.1	2.546	1.4	0.1337
<b>•</b> 15	1984 �40	10	0.0848	4.2	2.788	1.6	0.1339
<b>•</b> 10	1898 �30	2	0.0932	3.7	2.581	1.3	0.1345
<b>2</b> 2	2026 🔶 43	4	0.0928	7.4	2.605	1.5	0.1355
<b>•</b> 16	2136 🔶 45	2	0.1068	4.9	2.561	1.7	0.1341
<b>•</b> 11	2110 �37	-2	0.1135	3.2	2.469	1.4	0.1342
<b>2</b> 4	2034 🏟 43	1	0.1043	5	2.53	1.7	0.1341
<b>•</b> 15	1957 �40	8	0.0859	4.3	2.679	1.6	0.136
·	·						
<b>�</b> 12	2011 �32	1	0.103	2.6	2.64	1.4	0.1295
<b>\$</b> 9	2003 �26	7	0.092	2.4	2.82	1.1	0.1304
<b>�</b> 11	2028 �30	1	0.105	2.9	2.63	1.3	0.1298
<b>\$</b> 9	2065 �31	1	0.107	2.5	2.62	1.2	0.1292
<b>�</b> 13	1972 �27	9	0.091	2	2.82	1.1	0.1358
<b>�</b> 16	2187 �37	1	0.112	2.5	2.6	1.3	0.1351
<b>\$</b> 9	1968 �27	5	0.096	2.3	2.7	1.2	0.1312
<b>�</b> 10	2000 �28	4	0.097	2.6	2.69	1.2	0.1322
<b>�</b> 12	2012 �35	3	0.098	3.5	2.65	1.4	0.1317
<b>1</b> 6	2024 🏟 43	4	0.097	4.2	2.66	1.5	0.1302
<b>1</b> 9	2042 🏶 45	-4	0.113	4.3	2.58	1.7	0.1262
<b>1</b> 9	1495 �22	28	0.055	2.1	3.61	1.1	0.1386
<b>\$</b> 27	1865 �56	24	0.063	3.8	3.45	1.3	0.1384
<b>\$</b> 39	1977 �65	40	0.041	7.2	4.14	1.1	0.1712
<b>�</b> 17	2005 �80	11	0.083	7.3	2.88	3.2	0.1361
<b>@</b> 15	2038 �37	20	0.081	2.2	3.21	1.1	0.1382
<b>\$</b> 39	1772 �47	28	0.067	2.4	3.39	1.3	0.1718
<b>•</b> 19	2034 �33	11	0.091	2	2.85	1.1	0.1369
<b>\$</b> 32	2005 �67	26	0.065	5.6	3.31	2.4	0.1617
<b>\$</b> 34	2075 �55	9	0.095	4.4	2.72	2	0.1455
<b>\$</b> 40	2139 �56	2	0.109	3.6	2.52	1.6	0.1484
<b>\$</b> 35	1461 �43	56	0.036	5.3	5.47	1.7	0.1695

<b>\$</b> 9	2014 �44	1	0.1008	6.7	2.671	1.2	0.1285
<b>\$</b> 22	1917 �52	3	0.0923	5.5	2.732	2	0.1293
<b>�</b> 9	2008 �45	7	0.0837	7.7	2.822	2.1	0.1287
<b>�</b> 11	1975 �38	-2	0.1098	5.5	2.582	1.3	0.1293
<b>�</b> 13	1919 �53	2	0.0895	7.4	2.694	1.4	0.1293
<b>�</b> 11	2020 �38	2	0.095	7.1	2.679	1.3	0.1294
<b>�</b> 17	2052 �43	2	0.1027	3.8	2.673	1.8	0.1299
<b>�</b> 11	2130 �38	0	0.1121	4.2	2.593	1.4	0.1302
<b>�</b> 11	2222 �66	0	0.1138	7.9	2.611	1.4	0.1302
<b>�</b> 18	2069 �48	1	0.1058	4.9	2.616	1.8	0.1312
<b>%</b> 13	2097 �40	9	0.082	5.6	2.84	1.4	0.1296
<b>�</b> 16	2067 �44	2	0.1034	4.4	2.613	1.8	0.1317
<b>1</b> 6	1754 �64	40	-0.0086	-49.1	4.35	3.1	0.1304
<b>%</b> 18	1968 @120	23	0.0673	8	3.395	2.6	0.1293
<b>%</b> 13	2012 🏶45	18	0.0585	5.7	3.2	1.4	0.1287
<b>\$</b> 9	2099 �47	2	0.095	7.5	2.669	1	0.1321
<b>�</b> 5	2043 �27	-2	0.116	5.3	2.578	0.9	0.1293
<b>\$</b> 8	2097 �43	0	0.109	4.1	2.614	1	0.1301
<b>�</b> 6	1990 �32	0	0.1	7.7	2.626	1	0.1303
<b>�</b> 15	1942 �31	1	0.099	4.7	2.634	1	0.1289
<b>�</b> 16	1998 �56	1	0.095	12	2.643	1.1	0.1305
<b>�</b> 6	1980 �27	0	0.103	8.2	2.614	1	0.1294
<b>\$</b> 5	1998 �25	0	0.105	6	2.608	1.2	0.1294
<b>\$</b> 6	1999 @24	2	0.09	6.6	2.675	1	0.1296
<b>\$</b> 5	1977 @21	1	0.099	5.3	2.626	0.9	0.1296
<b>\$</b> 9	2181 (\$39	3	0.102	5.3	2.649	1.1	0.1325
<b>\$</b> 9	2026 🏶 26	4	0.096	3.2	2.665	1.1	0.1317
<b>�</b> 10	2649 �47	-22	0.424	5.3	2.151	1	0.13
<b>�</b> 14	1834 �39	3	0.091	4	2.681	1.6	0.1306
<b>\$</b> 9	1658 �28	12	0.05	5.7	2.952	0.9	0.1307
<b>1</b> 2	2003 �37	0	0.103	4.6	2.664	1.4	0.1287
<b>1</b> 0	1998 �31	0	0.103	4	2.658	1.4	0.1279
<b>1</b> 5	1952 �45	0	0.101	6.7	2.634	1.6	0.1296
<b>@</b> 14	1913 �44	5	0.084	6.6	2.757	1.5	0.1308
<b>@</b> 11	1970 �34	1	0.099	4.8	2.656	1.5	0.1292
<b>@</b> 12	2026 @35	1	0.103	4.3	2.647	1.5	0.1291
<b>\$</b> 8	1974 @31	4	0.087	7	2.712	1.3	0.1295
<b>*</b> /	1873 @26	6	0.087	3	2.768	1.3	0.1296
<b>*</b> 8	1853 @29	9	0.066	6	2.874	1.3	0.1294
<b>₩</b> 10	2001 @32	1	0.101	4	2.64	1.4	0.1302
♥ 10 ♠ 16		5	0.091	4.5	2.735	1.6	0.1319
₩10 ▲12	2003 <b>\$</b> 40	9	0.083	5	2.848 2.702	1.4	0.131
₩1∠ AA-11	2071 <b>\$</b> 42 2022 <b>\$</b> 27	4	0.092	0.0 7 0	2.123	1.5	0.13
<b>V</b>	2032 431	3	0.092	1.2	2.000	1.4	0.1299
<b>�</b> 16	2024 �53	14	0.068	5.8	2.99	1.5	0.1348
<b>�</b> 13	2030 �46	21	0.043	8.8	3.235	1.4	0.1329

<b>�</b> 17	2130 �82	4	0.082	20.9	2.755	2.4	0.1288
<b>\$</b> 9	2055 �42	3	0.089	8.5	2.715	1.3	0.1302
<b>1</b> 0	1960 �39	1	0.098	9.9	2.643	1.4	0.129
<b>1</b> 2	2034 �44	0	0.107	9.3	2.615	1.5	0.1294
<b>•</b> 11	1980 🏟 39	2	0.096	5.7	2.656	1.3	0.1333
<b>•</b> 10	2222 🚯 44	9	0.074	8.3	2.861	1.3	0.1311
<b>•</b> 14	2189 🏟 79	1	0.111	8.2	2.61	1.3	0.1368
<b>\$</b> 5	1895 �34	4	0.063	18.9	2.731	1.5	0.1298
<b>•</b> 13	2013 �41	8	0.03	39.9	2.839	1.3	0.1301
<b>•</b> 11	1949 🔶 44	7	0.071	9.3	2.789	1.4	0.1304
<b>•</b> 17	1965 •71	5	0.078	10.2	2.703	1.5	0.1368
<b>•</b> 14	1947	6	0.087	5.3	2.754	1.6	0.1305
<b>ě</b> 10	2034 •54	1	0.099	10.7	2.62	1.4	0.1315
<b>•</b> 12	1950 •46	6	0.066	12.3	2.764	1.4	0.1313
<b>1</b> 0	2126 \$55	10	0.059	13.3	2 874	17	0 132
<b>4</b> 9	2012 \$36	5	0.068	13.3	2 732	1.4	0 1309
<b>*</b> 0	2012 400	Ŭ	0.000	10.0	2.702		0.1000
<b>1</b> 0	1877 �47	75	-0.059	-6.5	11.125	1.2	0.1208
<b>4</b> 23	2110 �69	24	0.05	8.7	3.471	2.1	0.1331
<b>\$</b> 5	2807 •107	-18	0.37	18	2.22	3.5	0.1302
<b>•</b> 12	2042 �53	14	-0.01	-104.1	3.037	1.4	0.1328
<b>•</b> 39	3333 �158	4	0.152	9.9	2.574	1.4	0.1605
	·						
<b>\$</b> 27	1544 �62	27	-0.005	-100	3.63	1.5	0.134
<b>�</b> 12	1931 �40	6	0.077	9	2.8	1.8	0.13
<b>�</b> 10	1933 �38	7	0.072	9	2.81	1.6	0.1288
<b>\$</b> 9	1881 �40	7	0.069	9	2.81	1.6	0.1297
<b>1</b> 8	1970 �69	10	0.048	28	2.89	2.6	0.132
<b>•</b> 7	1981 �36	4	0.079	11	2.72	1.5	0.1298
<b>1</b> 2	2019 �52	4	0.079	20	2.72	2.5	0.1298
<b>�</b> 6	1972 �34	5	0.073	11	2.76	1.5	0.1295
<b>\$</b> 9	2018 �44	2	0.095	9	2.66	1.9	0.1305
<b>1</b> 2	2088 �73	2	0.099	10	2.66	1.7	0.1294
<b>4</b>	1988 �38	4	0.07	16	2.72	1.4	0.13
<b>1</b> 3	2102 �44	3	0.096	11	2.67	1.8	0.1299
<b>�</b> 11	2093 �42	-3	0.127	9	2.52	1.5	0.1321
<b></b>	3120 �138	63	-0.061	-16	7.01	2.8	0.1337
<b>�</b> 14	1885 �73	11	0.055	16	2.9	2.5	0.1311
<b>�</b> 10	2003 �54	8	0.069	9	2.8	1.5	0.1339
<b>1</b> 4	1970 �62	17	0.071	5	3.04	1.8	0.139
<b>A</b> 0	2051 \$14	1	0 102	6	0 E0	16	0 1202
<b>₩</b> 9	2031 <b>4</b> 44 1077 <b>4</b> 51	1	0.103	12	2.03	1.0	0.1302
₩0 <b>4</b> 7	1070 A12	ن ۸		12	2.11	Z.Z 1 0	0.1290
	1910 19742 1019 1022	4 E	C00.0	97	2.11	1.9	0.1303
<b>₩</b> 0	1940 VP33	ט ד	0.002	1	2.10	1.0	0.1302
₩0 ▲0	1949 <b>4</b> 00 1155 <b>2</b> 50	1	0.003	12	2.19	1.D 1 E	0.1302
₩ <sup>3</sup>	1400 <b>1</b> 708	9 10	0.040	10	2.02	C.I 4 0	0.1309
<b>4</b> 0	2007 \$\$44	10	0.040	21	2.07	1.0	0.1311
<b>1</b> 2	2616 �94	7	0.088	12	2.73	1.5	0.1412

<b>�</b> 6	1955 �32	11	0.048	12	2.93	1.4	0.1303
<b>�</b> 19	2087 �96	18	0.016	42	3.09	1.6	0.141
<b>\$</b> 8	1533 �51	22	0.012	35	3.32	2.1	0.1326
<b></b>	1267 �110	33	-0.011	-60	3.84	4.8	0.1358
<b>\$</b> 8	2092 �32	-1	0.1127	6.3	2.613	1.2	0.1286
<b>\$</b> 5	1937 �33	4	0.0678	12	2.727	1	0.1294
<b>4</b>	2007 �30	2	0.0859	9.8	2.669	1	0.1296
<b>\$</b> 6	1974 �30	6	0.0695	8.1	2.746	1.1	0.1321
<b>@</b> 23	2056 �87	9	0.0684	9.6	2.829	1.1	0.1341
<b>4</b> 3	1712 �143	30	-0.0074	-115	3.639	1.6	0.1371
<b>1</b> 3	2099 �39	-2	0.1151	5.1	2.598	1.5	0.1277
<b>�</b> 11	2149 �57	-1	0.1138	4.9	2.615	1.4	0.1284
<b>�</b> 10	2032 �40	1	0.1021	5.1	2.666	1.9	0.1288
<b>\$</b> 9	2108 �29	-1	0.1127	3.5	2.592	1.2	0.1296
<b>1</b> 0	2037 �33	2	0.0997	4.7	2.667	1.3	0.1296
<b>\$</b> 9	2071 �30	2	0.1026	4.4	2.656	1.3	0.1293
<b>@</b> 11	2086 �35	1	0.1058	4.3	2.633	1.4	0.13
<b>1</b> 0	2098 �33	0	0.1079	4.2	2.619	1.3	0.1296
<b>@</b> 11	2017 �35	2	0.0994	4.9	2.653	1.4	0.1297
<b>%</b> 7	2027 �26	2	0.1	3.3	2.654	1.2	0.1305
<b>@</b> 13	2132 �41	1	0.107	4.8	2.637	1.4	0.1289
<b>@</b> 11	2077 �35	2	0.1029	5.1	2.633	1.4	0.1305
<b>1</b> 0	2043 �33	3	0.0973	4.9	2.667	1.4	0.1304
<b>%</b> 11	2132 �38	2	0.1028	5.4	2.651	1.4	0.1306
<b>�</b> 12	2149 �44	-4	0.1246	4.7	2.534	1.4	0.1289
<b>1</b> 2	2054 �38	0	0.1072	4.9	2.626	1.4	0.1292
<b>1</b> 4	2026 �41	2	0.0993	4.9	2.68	1.5	0.13
<b>1</b> 4	2081 �41	0	0.1098	5	2.61	1.5	0.1297
<b>�</b> 11	2061 �36	2	0.1002	5	2.668	1.3	0.1299
<b>\$</b> 12	2065 �41	-1	0.1098	4.7	2.586	1.4	0.1303
<b>1</b> 4	2057 �43	-1	0.1091	5.9	2.651	1.5	0.1271
<b>\$</b> 22	1810 �82	2	0.0811	14.4	2.708	1.9	0.1295
<b>�</b> 17	2002 �72	2	0.096	9.9	2.682	1.7	0.1289
<b>1</b> 0	2087 �33	1	0.1072	4.5	2.648	1.3	0.1284
<b>\$</b> 9	2066 �40	2	0.1004	5.7	2.69	1.7	0.1289
<b>1</b> 5	2002 �31	2	0.098	4.5	2.688	1.3	0.1289
<b>Q</b> 20	2044 �65	0	0.108	8.2	2.611	1.7	0.1307
<b>%</b> 8	2066 �34	3	0.0977	4.3	2.711	1.2	0.1287
<b>@</b> 11	2014 �37	2	0.0979	6.1	2.671	1.5	0.1289
<b>*</b> 8	2043 (\$35	3	0.0943	6.1	2.692	1.2	0.1291
<b>\$</b> 22	2129 441	0	0.1111	6.3	2.62	1.5	0.1288
<b>₩</b> 11	2006 \$34	4	0.0928	5.1	2./11	1.4	0.1292
<b>₩</b> 9	∠105 <b>♥</b> 33	1	0.106	4.4	2.638	1.3	0.1295
<b>₩</b> 10	2028 \$33	4	0.0939	4.9	2.707	1.4	0.1299
<b>₩</b> ŏ		4	0.0925	3.8	2.72	1.5	0.1299
<b>♥</b> 1	2048 \$21	3	0.09//	4	2.6//	1.2	0.13
<b>W</b> 13	2009 🥵41	4	0.0895	6.6	2.71	1.5	0.1306

<b>�</b> 11	2069 �35	3	0.0992	5.1	2.668	1.4	0.1303
<b>�</b> 11	2040 �34	3	0.0955	4.8	2.687	1.3	0.1301
<b>1</b> 2	2051 �37	7	0.0866	5.3	2.774	1.4	0.1307
<b>�</b> 10	2104 �33	1	0.1079	4.5	2.582	1.3	0.1317
<b>�</b> 13	2056 �42	2	0.103	3.7	2.616	1.5	0.1323
<b>�</b> 17	2050 �49	2	0.0993	6.4	2.618	1.7	0.1332
<b>�</b> 14	2092 �44	0	0.1098	5.4	2.546	1.5	0.1335
<b>%</b> 7	1944 �234	1	0.0904	16.1	2.586	1.1	0.1328
<b>�</b> 11	2101 �51	8	0.0928	3.7	2.761	1.3	0.1352
<b>�</b> 11	1932 �45	6	0.0854	6	2.707	2	0.1343
<b>�</b> 13	2038 �39	3	0.0987	4.6	2.611	1.4	0.1348
<b>�</b> 15	2075 �45	4	0.0947	5.9	2.668	1.7	0.1322
<b>�</b> 16	1979 �44	3	0.0947	5.1	2.634	1.7	0.1339
<b>�</b> 10	2211 �45	3	0.108	3.8	2.623	1.3	0.1332
<b>�</b> 12	2166 �42	2	0.108	5	2.578	1.4	0.1329
<b>�</b> 11	2101 �36	3	0.101	5.1	2.595	1.4	0.1339
<b>1</b> 3	2126 �43	5	0.0961	5.8	2.636	1.6	0.1344
<b>�</b> 19	1961 �151	11	0.0797	9.4	2.836	1.8	0.1349
<b>�</b> 12	2103 �38	14	0.0709	5.3	2.945	1.4	0.1342
<b>�</b> 16	2069 �44	1	0.105	5.7	2.57	1.4	0.1319
<b>\$</b> 20	2133 �69	2	0.1006	8.1	2.551	1.5	0.1386
<b>�</b> 17	2203 �50	2	0.1079	6.8	2.569	1.5	0.1338
<b>�</b> 21	2116 �61	7	0.0841	8	2.767	1.6	0.1328
<b>�</b> 17	2065 �46	10	0.0837	3.6	2.831	1.1	0.1378
<b>�</b> 21	1942 �95	9	0.0768	7.4	2.856	1.5	0.1323
<b>�</b> 16	2117 �42	-5	0.1249	4.9	2.499	1.4	0.1298
<b>�</b> 18	2070 �49	-1	0.1119	5.7	2.504	1.7	0.1339
<b>�</b> 14	2095 �39	0	0.1106	4.7	2.533	1.4	0.1326
<b>�</b> 15	2012 �33	8	0.0868	4.1	2.702	1.4	0.1375
<b>�</b> 13	2059 �46	2	0.1025	3.5	2.595	1.1	0.1319
<b>�</b> 11	2005 �32	8	0.0906	2.7	2.748	1	0.1336
<b>\$</b> 23	2034 �47	3	0.0999	3.3	2.627	1.2	0.1383
<b>�</b> 13	2090 �30	4	0.1018	2.9	2.633	1.1	0.1338
<b>�</b> 18	2048 �48	1	0.1043	5.5	2.604	1.6	0.1299
<b>�</b> 11	2003 �25	0	0.1048	2.3	2.57	1	0.1322
<b>1</b> 3	2066 �35	2	0.1029	4.2	2.608	1.2	0.1312
<b>1</b> 5	2093 �36	-1	0.111	3.6	2.531	1.3	0.1321
<b>\$</b> 58	2273 �114	0	0.1191	4.2	2.482	1.4	0.172
<b>�</b> 42	1960 �47	1	0.1	4.5			
<b>�</b> 14	2105 �99	4	0.08	24.8			
<b>\$</b> 9	1720 �38	12	0.078	2.8			
<b>�</b> 11	1949 �92	3	0.022	139.1			
<b>�</b> 11	2470 �47	8	0.092	5			
<b>\$</b> 9	2539 �82	5	0.083	17.2			
<b>\$</b> 20	2078 �61	5	0.097	5.1			
<b>�</b> 13	2190 �44	1	0.109	5.9			

<b>\$</b> 88	1357 �138	31	0.034	19.6			
<b>\$</b> 24	12346 �213	25	0.759	2.3			
<b>�</b> 18	4656 �218	-1	0.276	7.6			
<b>�</b> 14	1298 �53	-34	0.152	8.7			
<b>�</b> 19	1549 �29	7	0.071	2.5			
<b>@</b> 12	1880 �29	13	0.075	2.8			
<b>4</b> 40	1071 �62	23	0.031	8.1			
<b>�</b> 15	2120 �46	13	0.07	5.5			
<b>�</b> 10	1953 �100	4	0.0913	16.1	2.731	5.1	0.1304
<b>\$</b> 7	1934 �39	6	0.0814	7	2.809	2	0.1286
<b>\$</b> 7	1899 🍫 42	2	0.0941	5.5	2.676	2.2	0.1295
<b>@</b> 18	1915 🏶 46	1	0.0953	9.3	2.649	2.1	0.1302
<b>@</b> 16	1836 �108	6	0.0796	16.5	2.797	5.5	0.1306
<b>@</b> 26	1986 �70	5	0.0908	7.5	2.767	2.4	0.1303
<b>@</b> 6	1914 �39	4	0.0922	4.7	2.711	2	0.1298
<b>@</b> 6	1853 �36	9	0.0827	3.6	2.872	2	0.1307
<b>\$</b> 6	1846 �36	9	0.0822	3.8	2.849	2	0.1313
<b>%</b> 7	1910 �41	4	0.0879	6.6	2.715	2	0.1298
<b>%</b> 11	2005 �41	5	0.0961	4.2	2.714	2	0.1319
<b>\$</b> 37	1919 �59	10	0.085	6.2	2.801	2.6	0.1355
<b>4</b> 20	1986 �146	-7	0.1484	34.5	2.344	6.5	0.1389
<b>%</b> 8	2032 �43	3	0.0951	6.9	2.608	2	0.135
<b>%</b> 8	1966 🏟 41	8	0.0843	5.4	2.729	2	0.1352
<b>•</b> 10	2018 🔶 42	8	0.094	3.6	2.712	2.1	0.1358
<b>\$</b> 28	1690 �88	12	0.0654	12.4	2.967	4.3	0.1325
<b>%</b> 76	1751 �125	15	0.0736	12	3.081	5.5	0.13
<b>\$</b> 35	1959 �107	-4	0.118	11			
<b>4</b> 26	2136 �67	-5	0.123	7			
<b>\$</b> 31	2279 �90	-4	0.132	9			
<b>\$</b> 33	2116 �95	-4	0.125	10			
<b>•</b> 13	2086 �92	1	0.1	15			
<b>\$</b> 30	2132 �91	2	0.107	8			
<b>@</b> 20	2250 �62	-2	0.124	8			
<b>�</b> 18	2148 �57	-2	0.121	8			
<b>1</b> 2	2167 �61	2	0.109	6			
<b>�</b> 19	2148 �55	3	0.104	6			
<b>\$</b> 26	2078 �70	2	0.101	9			
<b>@</b> 23	2173 �93	0	0.112	11			
<b>\$</b> 31	2209 �85	-4	0.128	10			
<b>\$</b> 27	2079 �72	4	0.097	9			
<b>\$</b> 24	2203 🏶86	1	0.109	15			
<b>@</b> 20	2072 �53	7	0.092	6			
<b>\$</b> 26	2458 �106	3	0.113	11			
<b>\$</b> 29	2129 �90	4	0.097	12			
<b>@</b> 23	2210 �100	3	0.104	10			
<b>\$</b> 38	2176 �104	2	0.106	11			

<b>4</b> 24	2302	<b>�</b> 66	1	0.117	6			
<b>\$</b> 24	2609	<b>\$</b> 80	6	0.117	7			
<b>�</b> 69	1720	<b>\$</b> 200	-10	0.127	15			
<b>\$</b> 38	2078	<b>\$</b> 89	-7	0.126	8			
<b>\$</b> 35	2326	<b>@</b> 124	2	0.114	9			
<b>A</b> 16	1040	<b>ക</b> ഭവ	1	0.005	0.4			
	2070	<b>√</b> 00	1	0.095	0.1 5.4			
	2073	▲32	2	0.103	3.4			
<b>♦</b> 10	2021	₩32 ♠7/	ے 1	0.101	0.1 0.6			
↓ 19	108/	♦74 ♦70	5	0.113	9.0 11 /			
<b>W</b> 10	1004	<b>•</b> 10	0	0.002	11.4			
<b>@</b> 28	1919	<b>\$</b> 53	5	0.083	9.3			
<b>*</b> 8	1932	<b>4</b> 32	7	0.078	4.9			
<b>1</b> 0	2013	<b>4</b> 34	4	0.096	3.4			
<b>4</b> 28	1924	<b>4</b> 65	10	0.066	13			
·		•						
<b>�</b> 10	1345	<b>\$</b> 25	1	0.068	2.3			
<b>�</b> 11	1068	<b>�</b> 18	5	0.052	2.2			
<b>�</b> 15	1207	<b>�</b> 39	17	0.052	3.8			
<b>\$</b> 9	899	<b>\$</b> 23	55	0.02	3.5			
<b>%</b> 7	1902	<b>\$</b> 29	11	0.074	3.5			
<b>\$</b> 8	1973	<b>\$</b> 52	11	0.077	4.4			
<b>%</b> 7	1748	<b>\$</b> 35	16	0.064	4			
<b>�</b> 11	2120	<b>4</b> 2	13	0.067	6.4			
<b>\$</b> 39	1912	<b>105</b>	14	-0.074	-42.8			
<b>A</b> 8	2002	<b>A</b> 28	2	0.1	27			
<b>♦</b> 15	2002	• 20 • ΛΛ	2 0	0.1	2.7			
<b>▲</b> 12	2030	<b>A</b> 63	2	0.090	63			
♣12	2000	<b>▲</b> 106	7	0.090	10.2			
<b>4</b> 22	1983	♣ 100	Δ	0.002	11			
<b>₽</b> 0 <b>№</b> 11	1782	<b>4</b> 38	ч Q	0.00	45			
<b>4</b> 14	2114	<b>4</b> 64	4	0.070	62			
•	2111	<b>~</b> • • •		0.000	0.2			
<b>4</b> 41	2015	<b>\$</b> 86	1	0.101	13.3			
<b>�</b> 10	1031	<b>�</b> 31	53	0.023	4.3			
<b>%</b> 7	1614	<b>\$</b> 24	19	0.05	3.4			
<b>\$</b> 8	1850	<b>\$</b> 25	13	0.076	2.4			
<b>�</b> 19	1544	<b>\$</b> 39	21	0.034	11.2			
<b>%</b> 18	1698	<b>\$</b> 25	17	0.063	3.5			
<b>A</b> 17	2167	<b>\$</b> 57	0	0 002	6	2 72	1 6	0 1440
♥17 ▲27	2107	♥ 07	9	0.003	12	2.12	1.0 2.7	0.1442
₩31 ♠25	1030	₩90 ▲71	9 5	0.07	12	2.1 2.61	2.1 2.1	0.1400
₩20 ▲21	1941	₩ <sup>(1</sup> )	5	0.000	9 0	∠.01 2.62	2. <del>4</del> 2.1	0.1307
₩ <sup>2</sup> <sup>4</sup>	1092		י 5	0.00	6	2.05	∠.ı 1.Q	0.1410
₩ <sup></sup>	1992	<b>•</b> • • • • • • • • • • • • • • • • • •	5	0.009	12	2.03	1.0 2.2	0.1308
₩22 • •	10/4	<b>→</b> 104	5	0.072	18	2.02	2.2	0.1300
★20	2003	<b>4</b> 45	4	0.070	6	2.50	J.Z 1 Q	0.1420
↓ 10	1005	<b>→</b> 10	+ 6	0.1	7	2.52	1.0	0.1397
<b>W</b> 14	1990	<b>W</b> <sup>++</sup>	U	0.000	1	2.00	1.9	0.1395

<b>�</b> 16	2016 �51	7	0.08	8	2.61	2	0.1396
<b>\$</b> 20	2173 �79	4	0.097	9	2.52	2.1	0.1396
<b>1</b> 2	1980 �49	7	0.087	5	2.58	1.8	0.1417
<b>\$</b> 24	1460 �51	15	0.013	72	2.99	2.7	0.1342
<b>\$</b> 22	1357 �61	35	-0.014	-24	3.82	1.7	0.1423
<b>�</b> 34	1968 �78	20	0.06	6	3.07	2	0.1483
<b>\$</b> 21	1593 �48	24	0.033	10	3.2	1.9	0.1415
<b>\$</b> 25	1773 �86	19	0.023	22	2.99	1.7	0.1493
<b>\$</b> 35	2219 �84	7	0.099	6	2.58	2	0.1523
<b>\$</b> 28	1730 �76	15	0.04	19	2.87	2.4	0.1413
<b>�</b> 13	1876 �42	11	0.061	9	2.72	1.7	0.1413
<b>�</b> 16	1941 �50	16	0.043	14	2.86	1.9	0.1399
<b>�</b> 17	1755 �43	39	0.018	10	3.82	1.6	0.157
<b>%</b> 12	2036 �43	0	0.106	8	2.53	1.6	0.1338
<b>�</b> 13	2041 �44	1	0.101	7.6	2.57	1.6	0.134
<b></b>	1950 �96	4	0.087	8.5	2.65	1.8	0.1346
<b>�</b> 10	2013 �47	3	0.098	5.1	2.6	2	0.1336
<b>�</b> 15	1992 �46	4	0.091	6.7	2.62	1.6	0.1354
<b>\$</b> 20	2013 �43	5	0.093	4.6	2.64	1.5	0.1387
<b>1</b> 7	2035 �65	4	0.089	11.5	2.6	2.3	0.1367
<b>�</b> 10	2071 �35	3	0.097	5	2.58	1.5	0.1355
<b>�</b> 13	1971 �40	8	0.076	6.7	2.72	1.6	0.1358
<b>�</b> 15	2014 �59	6	0.081	9	2.64	1.7	0.137
<b>�</b> 18	2302 �53	0	0.119	5.5	2.43	1.9	0.1397
<b>%</b> 17	2236 �64	0	0.118	9.9	2.38	1.9	0.1412
<b>2</b> 0	1884 �52	11	0.068	6.8	2.88	1.7	0.1339
<b>4</b> 399	2201 1640	3	0.094	143.6	2.37	7.3	0.1638
	·						
<b>�</b> 13	1905 �41	5	0.081	7.1	2.81	1.6	0.1277
<b>�</b> 11	1904 �37	4	0.086	5.6	2.78	1.5	0.1277
<b>\$</b> 9	1884 �35	7	0.079	5.3	2.84	1.7	0.129
<b>�</b> 19	2006 �38	2	0.094	8.3	2.69	1.5	0.1284
<b>\$</b> 9	1896 �40	8	0.076	5.5	2.85	1.4	0.1294
<b>\$</b> 8	2018 �30	0	0.105	3.6	2.61	1.4	0.1309
<b>�</b> 15	1940 �38	6	0.077	9	2.77	1.5	0.1293
<b>�</b> 16	1930 �36	6	0.08	7.3	2.78	1.7	0.1299
<b>�</b> 10	2049 �36	1	0.104	6.2	2.63	1.5	0.1296
<b>\$</b> 9	1840 �31	9	0.075	4.4	2.86	1.4	0.1298
<b>\$</b> 8	1938 �30	7	0.079	5.1	2.81	1.4	0.1299
<b>\$</b> 9	2139 �37	1	0.11	4.1	2.58	1.4	0.1346
<b>�</b> 13	2102 �36	-1	0.112	2.9	2.49	1.6	0.1351
<b>�</b> 10	2085 �52	3	0.101	4.7	2.59	1.5	0.1346
<b>�</b> 17	2027 🏟 44	9	0.086	4.7	2.76	1.7	0.1341
<b>�</b> 18	1691 �49	16	0.051	6.5	3.14	1.5	0.1327
<b>�</b> 14	1700 �40	13	0.054	6.4	3	1.4	0.1335
<b>\$</b> 8	1806 �33	11	0.064	5.5	2.93	1.4	0.1304
<b>\$</b> 9	1830 �31	11	0.064	5.4	2.94	1.4	0.131

<b>�</b> 13	2021 �46	10	0.076	5.2	2.86	1.4	0.1344
<b>\$</b> 25	1535 �38	22	0.052	3	3.24	1.4	0.1533
<b>\$</b> 26	1953 �121	2	0.098	10.6	2.61	5.7	0.1341
<b>\$</b> 29	1426 �125	19	-0.017	-53.8	3.13	1.7	0.1396
<b>1</b> 6	1990 �57	18	0.048	10.6	3.08	2.2	0.1374
<b>\$</b> 35	1680 �117	18	0.046	15.1	3.05	2.2	0.1353
<b>A</b> 4 4				. <i>.</i>			
<b>%</b> 11	2063 (\$36	0	0.108	6.4	2.59	1.5	0.1317
<b>4</b> 9	2015 \$38	0	0.107	7.7	2.6	1.6	0.1296
<b>%</b> 11	2042 • 42	1	0.101	7.1	2.62	1.7	0.1316
<b>*</b> 8	2129 - 35	0	0.112	4.7	2.58	1.6	0.1303
<b>*</b> 8	2048 \$35	0	0.106	7.1	2.63	1.6	0.129
<b>%</b> 15	2259 465	2	0.111	(	2.64	1.6	0.1353
<b>*</b> 8	2069 - 37	8	0.071	8.6	2.81	1.5	0.1322
<b>%</b> 13	2292 \$53	-5	0.148	6.7	2.43	1.5	0.1366
<b>%</b> 11	2222 �54	8	0.079	8.6	2.76	1.5	0.1371
<b>%</b> 10	2016 �37	10	0.078	5.1	2.82	1.5	0.1359
<b>4</b> 37	1723 �63	29	0.037	12.3	3.34	1.8	0.167
<b>%</b> 7	1707 �29	13	0.056	5.3	2.98	1.5	0.1343
<b>2</b> 6	2108 �65	5	0.098	4.7	2.68	1.7	0.146
<b>\$</b> 37	2450 �118	7	0.104	6.6	2.71	1.5	0.1509
<b>1</b> 02	2771 �367	4	0.126	15.9	2.53	1.7	0.1667
<b>%</b> 73	3801 �163	54	0.094	9.9	4.67	1.5	0.2478
<b>1</b> 6	2211 🖗 42	5	0.102	4.7	2.68	1.5	0.14
<b>1</b> 1	2165 🚸 55	7	0.08	8.6	2.72	1.5	0.1414
<b>•</b> 13	1729 🖗 48	23	0.021	15.9	3.41	1.5	0.1381
<b>\$</b> 6	1713 🏟 32	18	0.023	20.5	3.16	1.7	0.1304
<b>\$</b> 63	2193 🏶 149	57	0.028	31.2	6.02	2.6	0.1737
<b>%</b> 11	1804 �47	32	0.015	19.3	3.73	1.8	0.1412
<b>A</b> 11	2063 📣 16	10	0.067	8.2			
<b>◆</b> 10	2003 + 34	10	0.007	15			
<b>₽</b> 5	$2015 \oplus 38$	3	0.101	21.5			
<b>₽</b> 10	2010 \$ 36	2	0.070	3.8			
<b>4</b> 5	2009 <b>(</b> )37	8	0.052	17.2			
<b>@</b> 8	1062 •22	50	0.024	3			
<b>%</b> 7	1496 �61	32	-0.188	-5.4			
<b>@</b> 12	2036 •37	13	0.08	3.8			
<b>%</b> 7	1208 •19	42	0.022	3.6			
<b>Q</b> 27	779 �31	57	-0.002	-41.3			
<b>\$</b> 9	1592 �49	33	-0.084	-5.5			
<b>@</b> 14	1995 �97	26	-0.064	-10.4			
<b>\$</b> 80	1263 �146	69	-0.025	-35.9			
<b>%</b> 7	1976 �32	5	0.088	5.1	2.72	1.6	0.1313
<b>%</b> 7	2049 �41	1	0.102	5.9	2.64	1.7	0.1304
<b>1</b> 2	2173 �44	6	0.094	5.3	2.69	1.6	0.1393
<b>%</b> 7	2019 �35	4	0.092	5.6	2.68	1.5	0.1311
<b>\$</b> 8	2022 �37	4	0.087	7.3	2.72	1.5	0.1315
<b>1</b> 2	2128 �51	2	0.104	5.7	2.61	1.6	0.1369

<b>�</b> 10	2032 �35	8	0.087	4.2	2.78	1.5	0.1365
<b>%</b> 7	2020 �33	3	0.095	6.5	2.66	1.5	0.1304
<b>�</b> 11	2038 �40	3	0.097	6	2.65	1.6	0.1326
<b>%</b> 7	1959 �31	4	0.089	5.5	2.69	1.5	0.131
<b>�</b> 12	2015 �33	3	0.095	5.2	2.68	1.5	0.1303
<b>1</b> 0	2045 �32	3	0.098	4.9	2.66	1.5	0.1315
<b>\$</b> 6	1996 �31	0	0.102	4.5	2.62	1.5	0.1299
<b>�</b> 14	1881 �42	22	0.047	5.7	3.17	1.6	0.1458
<b>�</b> 18	2961 �75	7	0.131	4.8	2.54	1.5	0.1649
<b>\$</b> 9	2103 �53	5	0.062	17.1	2.72	1.2	0.1327
<b>�</b> 11	1809 �32	10	0.036	17.3	2.9	1.1	0.13
<b>\$</b> 8	2067 �34	1	0.106	2.5	2.6	1.2	0.1314
<b>\$</b> 8	2080 �32	1	0.107	3.3	2.57	1.2	0.1332
<b>�</b> 11	2117 �37	0	0.11	4.6	2.57	1.4	0.1321
<b>�</b> 13	2102 �38	0	0.109	3.4	2.56	1.2	0.1334
<b>%</b> 8	2064 �44	3	0.079	15.8	2.67	1.2	0.1305
<b>\$</b> 7	1946 �27	8	0.076	4.4	2.79	1.2	0.1326
<b>�</b> 6	2013 �25	3	0.095	3.6	2.62	1.1	0.1342
<b>�</b> 3	2124 �29	2	0.107	3.4	2.56	1.3	0.1346
<b>%</b> 7	2109 �39	3	0.102	3.4	2.5	1.1	0.1412
<b>1</b> 4	1911 🏶47	19	0.037	12.7	3.16	1.7	0.1338
<b>\$</b> 9	2000 �42	1	0.0992	6.9	2.623	1.6	0.1304
<b>�</b> 10	2128 �44	0	0.1125	6.1	2.581	1.6	0.131
<b>�</b> 16	2052 �41	0	0.1057	6.9	2.62	1.6	0.1293
<b>�</b> 9	2005 �42	5	0.0893	6.6	2.724	1.8	0.1312
<b>�</b> 12	2056 �51	2	0.097	8.2	2.662	1.7	0.1301
<b>\$</b> 8	1931 �34	10	0.0713	5.4	2.859	1.5	0.1328
<b>�</b> 9	2085 �40	-1	0.1108	5.6	2.589	1.6	0.1298
<b>�</b> 9	2103 �38	1	0.1064	4	2.622	1.5	0.1315
<b>�</b> 12	2084 �48	0	0.1102	6.5	2.596	1.7	0.1303
<b>�</b> 11	2165 �48	2	0.1051	6.4	2.618	1.7	0.1317
<b>\$</b> 21	2058 �62	3	0.1001	5.3	2.616	1.5	0.139
<b>\$</b> 9	2087 �41	1	0.1048	5.5	2.62	1.5	0.1314
<b>�</b> 11	2142 �49	-3	0.123	6.9	2.535	1.7	0.13
<b>�</b> 10	2195 �48	-5	0.136	6.7	2.493	1.6	0.1292
<b>�</b> 14	1991 �45	0	0.1028	4.8	2.649	1.7	0.13
<b>\$</b> 9	2053 �42	2	0.0991	8.1	2.618	1.6	0.131
<b>@</b> 21	2180 �109	4	0.098	7.3	2.641	1.6	0.1444
<b>•</b> 43	2871 �254	8	0.0999	13.5	2.689	1.5	0.1471
<b>1</b> 5	1936 �483	1	-0.068	-326.2			
<b>•</b> 17	1989 �36	8	0.079	4.9			
<b>•</b> 9	2081 �36	0	0.108	2.2			
<b>\$</b> 6	1945 �30	6	0.077	4			
<b>•</b> 11	2037 �19	3	0.086	7.6			
<b>•</b> 12	1763 �36	10	0.04	11.6			

<b>%</b> 12	1954 �32	3	0.095	4.4			
<b>�</b> 10	1997 �42	8	0.084	3.3			
<b>�</b> 10	1996 �33	2	0.095	4.1			
<b>1</b> 6	2109 �36	3	0.1	4.8			
<b>•</b> 12	1970 �25	5	0.087	3.8			
<b>ě</b> 9	2233 •109	9	0.013	96.9			
<b>ě</b> 9	2194 @126	4	0.018	97 7			
<b>•</b> 14	2022 @30	4	0.094	4 4			
<b>•</b> 10	1725 18	9	0.075	22			
<b>\$</b> 9	1977 225	6	0.089	27			
<b>•</b> 16	2380 \$78	3	0.096	12.4			
<b>\$</b> 10	4000 \$ 22	22	0.00	10.0			
♥ 12	1262 422	33	-0.02	-10.9			
<b>₩</b> 31	1312 147	40	-0.014	-08.0			
<b>\$</b> 5	1673 4030	18	0.039	8.6			
<b>%</b> 153	1126 163	27	0.036	31.4			
<b>%</b> 10	1941 🏶 37	11	0.056	6.9			
<b>\$</b> 9	1682 @27	21	-0.024	-19.7			
<b>@</b> 17	2188 �55	-9	0.135	5			
<b>@</b> 15							
<b>1</b> 4	1930 �29	14	0.06	5			
<b>%</b> 15	1784 �43	13	0.057	5.9			
<b>�</b> 14	2008 �39	2	0.103	2.7	2.64	1.7	0.1303
<b>�</b> 13	1959 �64	1	0.096	12.6	2.64	1.7	0.1294
<b>�</b> 13	2181 �98	4	0.068	25	2.72	1.6	0.1321
<b>%</b> 7	1942 �32	1	0.096	6.5	2.64	1.5	0.1304
<b>�</b> 16	2023 �40	-1	0.106	3	2.61	1.8	0.1289
<b>�</b> 6	1960 �29	5	0.093	3	2.72	1.4	0.1316
<b>�</b> 7	2088 �35	2	0.105	3.5	2.65	1.4	0.1311
<b>\$</b> 8	2011 �31	0	0.105	3.3	2.61	1.5	0.1296
<b>�</b> 10	2014 �35	0	0.106	4.4	2.59	1.6	0.1298
<b>1</b> 3	2147 �81	1	0.1	35.1	2.63	1.7	0.1297
<b>1</b> 4	2077 �52	1	0.101	9.1	2.62	1.7	0.13
<b>\$</b> 6	1986 �34	1	0.101	4.8	2.63	1.4	0.1294
<b>\$</b> 6	1919 �29	3	0.089	5.6	2.69	1.4	0.1297
<b>\$</b> 6	2062 �35	3	0.098	5.3	2.66	1.4	0.1315
<b>\$</b> 9	2012	2	0.103	2.3	2.64	1.5	0.1311
<b>•</b> 10	1962 🏟 42	0	0.102	4.2	2.63	1.6	0.1289
<b>\$</b> 37	2574 📣 130	25	0.063	11 2	2 85	16	0 1781
<b>4</b> 46	2123 444	8	0.000		2.00	1.0	0.1701
<b>4</b> 56	2401 103	12	0.106	62	2 64	2	0.1420
<b>4</b> 16	2282 447	14	0.095	3.8	2.04	18	0.1339
<b>W</b> 10		14	0.000	0.0	2.00	1.0	0.1000
<b>�</b> 5	1998 �30	3	0.095	4.6	2.677	1.4	0.1303
<b>%</b> 7	2009 �34	4	0.0935	4.3	2.708	1.5	0.1316
<b>\$</b> 8	2198 �44	-3	0.1239	4.7	2.51	1.7	0.1339
<b>�</b> 5	2057 �39	1	0.1035	5.7	2.635	1.8	0.1297
<b>�</b> 6	2072 �103	0	0.1116	21.2	2.601	2.2	0.1299
<b>\$</b> 5	1990 �30	2	0.0977	5.1	2.655	1.4	0.1304

<b>�</b> 10	1966 �36	5	0.0874	5.5	2.754	1.7	0.1309
<b>�</b> 4	1952 �29	4	0.0909	4.1	2.703	1.4	0.1309
<b>�</b> 6	1938 �44	8	0.0747	8.1	2.848	2.1	0.1303
<b>�</b> 6	2032 �34	3	0.0967	5.2	2.679	1.5	0.1297
<b>�</b> 10	2124 �48	1	0.1082	5.7	2.608	1.9	0.1326
<b>�</b> 7	2079 �34	1	0.1062	3.6	2.618	1.5	0.1305
<b>\$</b> 9	2165 �50	2	0.1067	5.1	2.635	1.5	0.1319
<b>1</b> 0	2143 �47	-1	0.117	6.5	2.554	1.8	0.132
<b>\$</b> 9	2097 �39	3	0.1014	5.1	2.67	1.5	0.1308
<b>%</b> 7	2094 • 49	-2	0.1146	4.9	2.549	1.5	0.1305
<b>%</b> 8	2043 (\$37	2	0.1022	4.6	2.637	1.6	0.1304
<b>%</b> 8	2239 (\$39	3	0.1092	4.8	2.631	1.5	0.1316
<b>₩</b> 0	1959 \$38	5	0.0878	5.4	2.747	1.9	0.1305
♦ 11	2141 \$\$50	1	0.1089	5.8	2.606	1.6	0.1331
<b>\$</b> 17	2057 🏶 38	/	0.0895	4.7	2.749	1.5	0.1385
<b>1</b> 3	2603 \$53	1	0.1348	4.2	2.532	1.5	0.144
<b>♥</b> 24	2049 \$20	2 10	0.1031	4	2.628	1.5	0.1380
<b>€</b> 30	1/93 <b>\$</b> 30	10	0.0493	(.  E 0	3.045	1.0	0.1372
<b>₹</b> 30	2/23 <b>4/</b> 00	7	0.1240	0.0 5.1	2.001	1.0	0.10/0
<b>↓</b> 23	1009 <b>4</b> 20	-1	0.1212	0.1 6 9	2.309	1.4	0.1309
♥23	2240 100	3 1	0.1095	0.0 5.2	2.002	1.0	0.1400
₩23	2194 ₩00	I	0.1114	5.2	2.009	1.0	0.1302
<b>�</b> 12	2067 🏟 37	5	0.096	2.9	2.712	0.9	0.1331
<b>�</b> 12	1976 �32	1	0.101	3.8	2.622	1.1	0.1305
<b>�</b> 14	1977 �36	5	0.088	4.8	2.729	1.2	0.1308
<b>\$</b> 27	2005 �64	5	0.09	4.5	2.711	1.1	0.1351
<b>•</b> 13	1941 🏶 44	6	0.085	4.7	2.727	1.3	0.1321
<b>•</b> 13	1966 �31	6	0.088	3.3	2.73	1.1	0.1343
<b>%</b> 15	2060 40	1	0.104	3.7	2.598	1.1	0.1355
<b>%</b> 12	2056 @31	-1	0.109	3.9	2.57	1.1	0.1305
<b>₩</b> 14	2127 \$35	2	0.106	3.1	2.659	1	0.133
<b>*</b> 16	2212 4046	5	0.102	2.8	2.65	0.9	0.1424
<b>4</b> 14	2438 446	1	0.126	2.6	2.628	0.9	0.134
<b>∜</b> ŏ	1953 440	2	0.09	0	2.663	0.7	0.131
♥10	2018 420	4	0.097	2.1	2.089	1	0.1305
♥10	2040 \$20	2	0.101	2.0 0.0	2.034		0.1314
♥17	20/4 409	2	0.095	0.9	2.020	0.9	0.134
♥10	2043 \$25	Z 1	0.101	3.3 2.7	2.034	0.9	0.1311
✓20	2090 <b>\$</b> 730	4	0.101	3.7 11 2	2.040		0.1000
	1038 430	5	0.103	11.2	2.590	0.0	0.1290
↓ 14	1930 <b>\$</b> 40	J 4	0.000	4.0 5.6	2.705	1.5	0.1313
<b>•</b> 10 <b>•</b> 11	1957 �29	2	0.095	3.9	2.642	1.0	0.1314
<b>\$</b> 9	1235 �148	11	0.021	44.6	2.985	2.4	0.1291
<b>1</b> 4	2016 🐠 52	7	0.087	6.8			
<b>1</b> 3	1993 4246	3	0.097	44			
<b>4</b> 9	1435 423	-5	0.083	3.9			
<b>•</b> 10	1973 226	6	0.088	3.4			
✓ -	v -	-					

<b>�</b> 19	2054	<b>\$</b> 59	0	0.106	8.5
<b>�</b> 16	2055	<b>�</b> 61	5	0.094	7.9
<b>�</b> 11	2006	<b>\$</b> 36	20	0.046	7.1
<b>\$</b> 27	1657	<b>\$</b> 55	63	0.007	29.9
<b>\$</b> 20	2550	<b>\$</b> 87	-11	0.319	11.9
<b>\$</b> 30	1972	<b>�</b> 41	20	0.074	3.4
<b>\$</b> 29	2147	<b>\$</b> 76	54	-0.013	-31.7
<b>\$</b> 20	1958	<b>\$</b> 39	17	0.041	14.8
<b>�</b> 43	1973	<b>\$</b> 77	34	0.05	5.5
<b>\$</b> 23	2690	<b>\$</b> 83	61	-0.034	-11.6
<b></b>	1342	<b>\$</b> 20	7	0.055	4.9
<b>\$</b> 39	3795	<b>\$</b> 646	84	-0.795	-7.6
<b>@</b> 114	6754	<b>%</b> 844	79	#VALUE!	#VALUE!
<b>%</b> 61	3805	<b>\$</b> 875	75	-0.919	-16.9
<b>%</b> 67	2493	<b>4</b> 63	59	#VALUE!	#VALUE!
<b>4</b> 48	3673	<b>@</b> 377	76	-0.639	-9.7
<b>\$</b> 9	42784	<b>\$</b> 524	-59	#VALUE!	#VALUE!
<b>1</b> 5	1925	<b>\$</b> 95	29	-0.045	-17.9
<b>%</b> 14	3171	<b>\$</b> 315	-18	4.933	22.6
<b>4</b> 21	3175	<b>4</b> 397	75	-0.869	-10.2
<b>4</b> 22	2110	<b>()</b> 187	22	-0.925	-23.2
<b>%</b> /9	2529	<b>2</b> 14	21	-0.214	-48.2
<b>4</b> 327	30157	♦5218	//	#VALUE!	#VALUE!
<b>%</b> 12	1391	<b>₩</b> 25	38	0.038	2.9
♥11	1906	<b>4</b> 40	14	0.048	8.6
<b>₩</b> 25	1749	<b>€</b> 99	76	-0.072	-5.9
<b>₩</b> 23	1986	♥/4 ▲02	28	0.031	16.1
<b>W</b> 19	1009	♥92	07	-0.030	-7.S
<b>�</b> 11	2222	<b>�</b> 54	4	0.097	6.6
<b>�</b> 19	1926	<b>\$</b> 36	3	0.097	2.6
<b>\$</b> 21	1905	<b>�</b> 41	2	0.095	3.6
<b>�</b> 13	1852	<b>\$</b> 28	3	0.092	2.3
<b>�</b> 4	1974	<b>\$</b> 25	3	0.097	3
<b>�</b> 12	2272	<b>4</b> 5	7	0.098	4.9
<b>∲</b> 5	1981	<b>\$</b> 24	2	0.098	3.2
<b>�</b> 16	1927	<b>�</b> 41	3	0.095	3.6
<b>�</b> 12	1930	<b>\$</b> 32	4	0.095	2.9
<b>�</b> 15	2010	<b>\$</b> 45	8	0.083	4.6
<b>\$</b> 20	2449	<b>%</b> 71	-3	0.139	4.4
<b>\$</b> 8	2148	<b>\$</b> 35	1	0.105	6.6
<b>%</b> 6	2050	<b>\$</b> 29	2	0.1	4
<b>@</b> 12	2310	<b>�</b> 64	0	0.123	7
<b>\$</b> 28	2075	<b>\$</b> 55	0	0.107	3.7
<b>@</b> 15	1356	<b>\$</b> 24	31	0.037	2.8
<b>@</b> 11	2445	<b>4</b> 5	-61	#VALUE!	#VALUE!
<b>\$</b> 3	2786	<b>\$</b> 37	-33	0.671	6.5

<b>\$</b> 9	2015 �31	-10	0.132	3.6
<b>@</b> 12	2034 �38	-1	0.109	4.1
<b>1</b> 7	1927 �41	8	0.076	6.6
<b>\$</b> 7	2113 �34	-4	0.129	6.8
<b>�</b> 6	2045 �30	4	0.093	4.7
<b>\$</b> 9	2138 �34	-1	0.114	4.1
<b>%</b> 7	2001 �30	8	0.087	3.4
<b>•</b> 10	2127 �44	-3	0.119	4.6
<b>•</b> 15	2140 🕉 51	-3	0.126	8.4
<b>ě</b> 9	2144 �35	-3	0.119	3.5
<b>•</b> 11	2224 • 43	-2	0.122	5.9
<b>•</b> 12	2142 • 42	-1	0.114	5.4
<b>4</b> 27	2129 @78	10	0.082	87
<b>\$</b> 6	2027 �30	5	0.087	5.6
<b>1</b> 4	2008 �48	-8	0.125	5.3
<b>�</b> 18	2607 �51	-7	0.163	4.9
<b>1</b> 6	1945 �44	27	0.054	4.6
<b>\$</b> 5	2013 �36	2	0.096	7
<b>%</b> 8	1923 �45	5	0.084	7.8
<b>\$</b> 8	1996 �40	3	0.088	9.1
<b>\$</b> 8	2002 �35	4	0.097	3.5
<b>%</b> 7	1969 �64	9	0.064	8.7
<b>\$</b> 5	2130 �187	6	0.069	15
<b>\$</b> 5	1928 �39	8	0.081	3.3
<b>\$</b> 8	2082 �34	5	0.083	5.6
<b>�</b> 15	2072 �73	4	0.1	7.5
<b>�</b> 17	2046 �52	4	0.095	5.2
<b>�</b> 13	2111 �55	2	0.106	5.1
<b>�</b> 16	2120 �94	5	0.1	6.3
<b>�</b> 16	2262 �63	2	0.115	5.6
<b>\$</b> 9	2041 �49	7	0.092	4.5
<b>\$</b> 38	4959 �311	53	-0.534	-12.7
<b>4</b> 4	3524 �346	57		
<b>\$</b> 23				
<b>�</b> 67	972 �102	36	-0.017	-65.4
<b>%</b> 7		100		
<b>�</b> 16		100		
<b>\$</b> 20	1865 �123	23	-0.17	-15.6
<b>�</b> 10	2321 �94	11	0.026	40.4
<b>�</b> 10	1941 �37	14	0.077	3.6
<b>\$</b> 27	723 🏶22	57	0.003	33.4
<b>�</b> 19	1509 �72	30	-0.018	-22.1
<b>�</b> 18	2206 �138	51	-0.045	-17.1
<b>\$</b> 20	2101 �108	31	-0.025	-23.6
<b>\$</b> 9	2118 �57	26	-0.028	-20
<b>4</b> 9	1845 �118	54	-0.003	-277.9

<b>4</b> 24	1971 �58	16	0.048	11
<b>�</b> 19	2314 �54	6	0.109	2.9
<b>\$</b> 19	8704 �306	45	-0.226	-7.9
<b>�</b> 10	1920 �32	5	0.093	3
<b>1</b> 2	2061 �36	3	0.105	2
<b>�</b> 16	1832 �42	6	0.078	6
<b>�</b> 15	1993 �41	3	0.098	4
<b>\$</b> 23	1995 �71	5	0.091	12
<b>�</b> 18	1913 �49	6	0.077	11
<b>%</b> 7	2061 �29	6	0.097	3
<b>�</b> 10	2043 �36	2	0.103	4
<b>%</b> 14	2142 �47	5	0.097	5
<b>�</b> 6	2012 �33	5	0.093	4
<b>�</b> 6	1791 �28	10	0.071	4
<b>\$</b> 9	1947 �35	9	0.085	4
<b>\$</b> 9	2006 �42	8	0.087	5
<b>�</b> 19	2217 �66	6	0.083	17
<b>�</b> 18	2128 �53	3	0.101	6
<b>�</b> 10	2182 �43	6	0.091	6
<b>%</b> 14	1825 �42	21	0.051	5
<b>\$</b> 9	1905 �39	18	0.065	4
<b>@</b> 21	1334 �32	46	0.018	9
<b>1</b> 3	2041 �45	25	0.075	3
<b>4</b> 5	1282 �76	59	0.018	16
<b>1</b> 5	2172 �71	26	0.026	20
<b>18</b>	1633 �104	33	-0.057	-17
<b>@</b> 12	1948 �40	26	0.023	16
<b>\$</b> 7	2008 �16	3	0.101	1.3
<b>\$</b> 9	2008 �18	3	0.099	1.7
<b>\$</b> 9	1969 �39	4	0.096	4.1
<b>\$</b> 22	1914 �23	9	0.074	5.7
<b>1</b> 0	1977 �18	4	0.096	1.8
<b>@</b> 11	1823 �23	10	0.07	3.6
<b>@</b> 23	2041 •27	5	0.095	3.6
<b>\$</b> 9	2026 @23	3	0.1	1.9
<b>1</b> 0	1981 @25	5	0.093	3
<b>%</b> 11	2074 @35	3	0.104	3.4
<b>1</b> 0	1946 @30	8	0.087	2.7
<b>%</b> 8	1859 •18	8	0.077	2.7
<b>@</b> 22	2042 (*)39	1	0.105	3.7
<b>%</b> 10	1975 �22	3	0.095	3
<b>4</b> 8	5620 \$129	86	0.101	7.7
<b>*</b> 19	2022 @28	14	0.086	1.8
<b>\$</b> 31	4599 •71	32	0.193	1.9
<b>\$</b> 36	1137 (\$36	42	0.012	23.1
<b>Q</b> 27	1578	39	0.047	3.3
<b>@</b> 11	1294 �25	26	0.041	2.8

<b>4</b> 5	2352	<b>�</b> 53	42	0.071	4			
<b>�</b> 18	1952	<b>4</b> 29	15	0.08	2.3			
<b>\$</b> 29	#DIV/0!	#DIV/0!	100	#VALUE!	#VALUE!			
<b>�</b> 6	1900	<b>\$</b> 37	2	0.072	19			
<b>\$</b> 9	1828	<b>4</b> 46	7	0.07	6.4			
<b>�</b> 6	2010	<b>�</b> 34	2	0.101	2.7			
<b>%</b> 7	2029	<b>�</b> 39	2	0.097	7.2			
<b>�</b> 12	2016	<b>�</b> 34	0	0.105	5			
<b>�</b> 13	2088	<b>�</b> 59	1	0.095	16.5			
<b>�</b> 10	1852	<b>�</b> 31	4	0.059	19.3			
<b>\$</b> 8	1974	<b>�</b> 56	6	0.088	4.2			
<b>\$</b> 7	2034	<b>\$</b> 27	2	0.095	5.9			
<b>\$</b> 8	1928	<b>%</b> 74	9	0.083	4.5			
<b>@</b> 10	2048	<b>\$</b> 26	1	0.105	2.5			
<b>@</b> 10	2023	<b>\$</b> 26	2	0.103	1.9			
<b>%</b> 11	2038	<b>@</b> 28	0	0.105	2.7			
<b>*</b> (	2039	<b>\$</b> 25	4	0.097	2.9			
<b>%</b> 11	2123	<b>\$</b> 39	7	0.093	3.4			
<b>*</b> 8	962	<b>(</b> )39	31	0.028	5.3			
♥15	1208	<b>*</b> 19	26	0.031	4.6			
♥04	1357	♥ 132	17	0.051	16.3			
♥20 ♠0	1004	♥/ 0	30	0.032	0.9			
€9 ♠10	1230	♥112	24	0.015	44./			
<b>√</b> 10 <b>∕</b> 07	1230	₩23 ♠30	20 18	0.039	J.1 2.6			
<b>√</b> /	1723	<b>√</b> 31	21	0.009	2.0			
<b>√</b> 12	1243	<b>♦</b> 31	10	0.040	- 			
<b>●</b> 12	1370	<b>4</b> 28	26	0.048	3			
<b>4</b> 6	1802	<b>4</b> 5	12	0.004	178			
<b>4</b> 8	1548	<b>4</b> 42	11	0.057	4.4			
<b>•</b> 13	1912	<b>4</b> 223	16	-0.197	-10.8			
<b>•</b> 14	1608	<b>4</b> 27	12	0.064	3.2			
<b>4</b> 25	1312	<b>4</b> 5	21	0.036	8.8			
<b>%</b> 7	1993	<b>1</b> 9	1	0.1	2.6	2.67	0.72	0.1284
<b>�</b> 11	1988	<b>\$</b> 26	2	0.098	3.1	2.7	0.92	0.1283
<b>�</b> 15	2315	<b>�</b> 39	8	0.101	2.8	2.81	1.06	0.1372
<b>�</b> 6	2018	<b>\$</b> 20	0	0.103	2.8	2.65	0.84	0.1283
<b>\$</b> 6	2097	<b>1</b> 8	1	0.107	2.1	2.64	0.66	0.13
<b>%</b> 8	1961	<b>\$</b> 31	8	0.078	4.5	2.86	1.26	0.1299
<b>%</b> 7	2015	<b>@</b> 24	0	0.103	2.7	2.64	0.72	0.1284
<b>₽</b> 10	2040	<b>@</b> 24	2	0.1	2.8	2.68	0.87	0.1295
<b>♥</b> /	2084	<b>₩</b> 20	4	0.096	2.2	2.73	0.66	0.1313
<b>₩</b> 5	2021	<b>\$</b> 22	0	0.104	2.1	2.65	0.82	0.1278
<b>∜</b> b	2032	♥10 ♠04	0	0.107	1.6	2.61	0.67	0.1287
<b>₩</b> 9	2004	<b>₩</b> 21	3	0.099	2.2	2.68	0.83	0.1292
<b>∜</b> ð	2053	₩21	-1	0.109	2.4	2.62	0.8	0.1278
<b>1</b> 3	#DIV/0!	#DIV/0!	100	#VALUE!		#DIV/0!	0.5	0.144

<b>�</b> 18	1763	<b>�</b> 61	34	0.034	8.6	3.83	2.14	0.1422
<b>�</b> 10	1951	<b>\$</b> 22	21	0.061	2.2	3.27	0.7	0.1344
<b>\$</b> 8	#DIV/0!	#DIV/0!	100	#VALUE!		#DIV/0!	0.5	0.1286
<b>\$</b> 25	2318	<b>�</b> 60	24	0.065	6.2	3.13	0.69	0.1547
<b>\$</b> 78	2092	<b>�</b> 130	30	0.073	8.1	3.61	3.08	0.1534
<b>�</b> 16	1907	<b>\$</b> 23	41	0.061	1.4	4.4	0.72	0.1407
<b>\$</b> 29	2328	<b>%</b> 71	11	0.094	3.9	2.76	0.81	0.1503
<b>\$</b> 8	2063	<b>\$</b> 21	8	0.096	1.5			
<b>\$</b> 6	1949	<b>\$</b> 24	8	0.081	3.4			
<b>1</b> 0	2048	<b>\$</b> 25	-1	0.11	3			
<b>%</b> 7	2062	<b>\$</b> 25	0	0.107	3.2			
€5	2018	<b>1</b> 9	1	0.101	2			
<b>\$</b> 9	2064	<b>@</b> 21	2	0.102	1.9			
<b>%</b> 7	2051	<b>18</b>	-1	0.109	2.1			
<b>\$</b> 9	1943	<b>@</b> 23	4	0.09	2.8			
<b>%</b> 7	2084	<b>\$</b> 25	8	0.088	2.9			
<b>\$</b> 8	2100	<b>\$</b> 35	2	0.105	2.5			
<b>ക</b> 21	1025	<b>A</b> 111	20	0.067	6.0			
	#DIV/01		100		0.9			
<b>₩</b> 3 <b>A</b> 20	#DIV/0!	#DIV/0!	100					
↓ 20	#D10/0: 2025	#D10/0:	34	0.06	25			
	2020	<b>₽</b> 51	61	0.00	3.2			
♦ 20	1977	<b>₽</b> 41	35	0.041	3.2			
↓ 2 L	1948	<b>∲</b> -1 <b>∲</b> 21	14	0.075	2.2			
<b>4</b> 34	3499	<b>4</b> 66	23	0.14	3.4			
<b>4</b> 47	2623	<b>•</b> 110	-0	0.111	6.2			
<b>2</b> 34	2366	<b>•</b> 70	22	0.08	5.9			
<b>•</b> 33	2254	<b>•</b> 70	16	0.091	4.2			
<b>•</b> 12	2076	<b>4</b> 28	26	0.065	1.9			
<b>•</b> 81	2057	<b>•</b> 121	48	0.058	8.8			
<b>2</b> 67	3078	<b>•</b> 793	27	0.095	44.1			
<b>\$</b> 5	1763	<b>4</b> 25	10	0.081	1.7			
<b>4</b> 0	2543	<b>%</b> 71	8	0.118	3.5			
<b>%</b> 8	1950	<b>\$</b> 29	7	0.082	4.8	2.774	1.3	0.1302
<b>%</b> 11	2248	€56	1	0.112	8	2.61	1.3	0.1342
<b>\$</b> 9	2019	<b>4</b> 44	1	0.096	_ 9	2.638	1.3	0.1315
♦ 5	1951	<b>4</b> 43	2	0.09	1.1	2.671	1.2	0.1295
<b>*</b> b	1973	<b>\$</b> 25	2	0.1	2.4	2.652	1.2	0.1306
<b>♥</b> 11	2077	<b>\$</b> 37	2	0.1	6.3	2.681	1.4	0.1284
<b>♥</b> /	2044	<b>\$</b> 32	3	0.095	6	2.7	1.3	0.1298
<b>₩</b> 8	1955	<b>4</b> 30	3	0.089	6	2.681	1.3	0.1302
<b>4</b> 9 <b>4</b> 10	1901	♦ 32	5	0.08	0	2.768	1.3	0.1295
¶/1U ▲ 0	2012	<b>₩</b> 44 ♠ 40	8	0.059	12.1	2.811	1.3	0.132
<b>♥</b> Ŏ ♠ 7	1992	<b>4</b> 40	1	0.071	8.5	2.773	1.3	0.1322
<b>*</b> (	2009	₹20	3	0.092	5.4	2.686	1.2	0.1305
<b>1</b> 4	1862	<b>4</b> 7	11	0.061	7	2.93	1.3	0.1331
<b>•</b> 10	2369	<b>\$</b> 51	11	0.067	8.5	2.897	1.2	0.136
<b>@</b> 13	2202	<b>\$</b> 54	11	0.067	8	2.904	1.3	0.135

<b>\$</b> 29	1355 📢	<b>6</b> 66	62	0.017	16.4	7.528	3	0.1309
<b>\$</b> 22	2618 📢	<b>2</b> 118	9	0.101	10.3	2.744	2.7	0.144
<b>�</b> 10	1992 📢	<b>4</b> 7	7	0.074	8	2.776	1.3	0.1321
<b>\$</b> 8	2052 🍕	▶32	3	0.093	7	2.648	1.3	0.132
<b>\$</b> 9	2013 📢	▶38	0	0.105	9	2.596	1.3	0.1304
<b>\$</b> 8	1988 📢	<b>4</b> 5	6	0.07	9	2.758	1.2	0.1328
<b>\$</b> 8	2047 📢	<b>3</b> 6	-2	0.116	7	2.579	1.3	0.1289
<b>�</b> 15	2144 📢	<b>4</b> 6	3	0.098	7	2.67	1.3	0.1329
<b>\$</b> 8	2064 📢	35	1	0.1	7	2.64	1.2	0.1309
<b>�</b> 6	2001 📢	26	-1	0.107	5	2.605	1.2	0.1289
<b>\$</b> 8	1992 📢	33	1	0.1	7	2.63	1.3	0.13
<b>�</b> 10	1932 📢	42	3	0.089	7	2.688	1.3	0.1301
<b>�</b> 6	1906 📢	29	5	0.075	9	2.743	1.2	0.1291
<b>�</b> 6	1977 📢	28	0	0.102	7	2.625	1.2	0.1293
<b>\$</b> 9	1953 📢	▶36	5	0.074	10	2.724	1.3	0.1304
<b>\$</b> 7	1983 📢	▶30	3	0.087	9	2.662	1.3	0.1304
<b>\$</b> 7	2035 📢	▶32	0	0.105	8	2.616	1.3	0.1297
<b>�</b> 10	2168 📢	<b>4</b> 5	10	0.073	6	2.792	1.2	0.1392
A 4 4	1010 4	• • • •	~~		470	0.00	4.0	
<b>1</b> 4	1843	<b>6</b> 03	23	0.002	1/3	3.33	1.2	0.1393
<b>₩</b> 25	2588	<b>9</b> 123	6	0.109	1	2.712	1.3	0.1399
<b>\$</b> 9	2147 🗳	<b>2</b> 41	4	0.097	7	2.73	1.6	0.1291
<b>1</b> 4	1987 📢	37	2	0.095	7	2.66	1.4	0.1296
<b>\$</b> 8	2131 📢	▶ ▶115	-1	0.117	9	2.58	1.4	0.1298
<b>�</b> 6	2045 📢	43	4	0.087	9	2.71	1.6	0.1298
<b>\$</b> 9	2103 📢	38	0	0.111	11	2.59	1.8	0.1302
<b>%</b> 7	2098 📢	62	-2	0.12	17	2.57	2.9	0.1296
<b>�</b> 6	2034 📢	<b>≽</b> 31	0	0.107	6	2.61	1.4	0.1296
<b>�</b> 6	2117 📢	<b>4</b> 2	0	0.108	10	2.62	1.5	0.1294
<b>\$</b> 9	2269 📢	▶51	4	0.101	8	2.72	1.8	0.1306
<b>1</b> 2	1998 📢	<b>2</b> 51	3	0.091	10	2.73	2.4	0.1278
A 17	0005 4	\$ 100	0	0.405	40	0.50	1.0	0 4074
₩1/ ♠7		₩129 NG7	2	0.105	10	2.59	1.9	0.1374
<b>♥</b> 1 ▲10	2040	() 176	5	0.123	5	2.7	1.0	0.1329
<b>V</b> 12	3041 🤻	<b>P</b> 170	0	0.100	0	2.1	1.5	0.1370
<b>�</b> 16	1600 🐗	<b>≽</b> 54	5	0.057	16	2.703	1.8	0.1331
<b>�</b> 16	1957 📢	<b>&gt;</b> 50	2	0.097	7	2.595	1.9	0.1335
<b>�</b> 12	2015 📢	<b>4</b> 0	6	0.09	5	2.709	1.7	0.1331
<b>\$</b> 8	2019 📢	32	4	0.101	2	2.637	1.5	0.1338
<b>�</b> 16	2131 📢	<b>4</b> 7	0	0.112	5	2.531	1.9	0.1319
<b>�</b> 13	2069 📢	<b>3</b> 8	8	0.093	4	2.73	1.6	0.1382
<b>�</b> 11	2071 📢	<b>2</b> 41	5	0.1	3	2.665	1.7	0.1346
<b>�</b> 15	1955 📢	<b>&gt;</b> 50	9	0.072	7	2.76	1.6	0.1387
<b>1</b> 2	2051 📢	<b>3</b> 8	5	0.095	4	2.647	1.6	0.1362
<b>1</b> 2	2068 📢	43	0	0.107	5	2.511	1.6	0.1397
<b>\$</b> 9	2049 📢	<b>4</b> 6	5	0.091	6	2.645	1.6	0.135
<b>�</b> 15	2088 📢	42	1	0.107	4	2.544	1.8	0.1337
<b>1</b> 2	2056 📢	<b>3</b> 8	9	0.095	3	2.751	1.7	0.1354

<b>\$</b> 22	2165 �95	3	0.099	7	2.56	1.6	0.1436
<b>1</b> 2	2177 �40	-8	0.124	3	2.404	1.7	0.1313
<b>�</b> 15	1789 �35	13	0.073	3	2.924	1.6	0.1378
<b>\$</b> 20	1950 �73	16	0.04	15	2.931	1.8	0.1426
<b>@</b> 21	1784 �49	33	0.031	7	3.635	1.6	0.1503
<b>�</b> 19	2090 �50	7	0.096	4	2.645	1.7	0.1484
<b>•</b> 18	1949 �64	21	0.026	17	3.064	1.6	0.1462
<b>4</b> 27	2035 �51	19	0.068	5	2.896	1.6	0.1534
<b>\$</b> 31	2147 �96	21	0.045	9	2.874	1.6	0.186
<b>�</b> 17	1995 �66	-3	0.108	5.1			
<b>�</b> 17	2122 �55	-2	0.114	5			
<b>1</b> 7	2018 �52	1	0.102	5.5			
<b>•</b> 13	1988 �42	2	0.1	3.2			
<b>•</b> 12	2013 �43	2	0.1	4.3			
<b>•</b> 15	1985 �49	1	0.101	5.2			
<b>•</b> 9	2051 @35	2	0.103	3.4			
<b>•</b> 19	2241	-1	0.119	8.7			
<b>•</b> 15	2197 •48	0	0 116	4.3			
<b>4</b> 12	2125 49	0	0 111	4 2			
<b>4</b> 26	1910 \$ 56	10	0.083	47			
<b>⊕</b> 12	2047 423	5	0.000	35			
<b>W</b> 12	2047 - 49	5	0.097	0.0			
<b>\$</b> 26	2144 �64	1	0.11	5.8			
<b>�</b> 11	2157 �50	-2	0.122	8.4			
<b>\$</b> 20	2089 �177	-1	0.112	11.1			
<b>�</b> 14	2099 �53	-1	0.116	9.7			
<b>\$</b> 22	2238 �93	-3	0.127	8.2			
<b>@</b> 22	1994 �87	31	-0.027	-19.7			
<b>1</b> 9	2040 �47	4	0.102	3.2			
<b>1</b> 6	2262 �57	2	0.113	4.1			
<b>4</b> 29	2176 \$75	17	0.055	13.4			
<b>\$</b> 33	2066 �74	8	0.09	4.7			
<b>4</b> 29	2193 �72	14	0.08	5.9			
<b>�</b> 11	2079 �36	-5	0.143	8.2			
<b>1</b> 2	1990 �47	-2	0.116	6.9			
<b>•</b> 10	2100 \$37	-1	0.115	5.8			
<b>•</b> 6	2271 �31	-1	0.123	5.1			
<b>.</b> <b>.</b> <b>.</b> <b>.</b> <b>.</b> <b>.</b> <b>.</b> <b>.</b>	1993 🏟 28	1	0.099	4.4			
<b>•</b> 10	2030 •49	2	0.099	6.3			
<b>\$</b> 6	1837 �40	5	0.084	4			
<b>\$</b> 7	2185 �31	-7	0.137	4			
<b>•</b> 9	2172 🏵 56	-6	0.142	6.1			
<b>•</b> 15	2100 •49	0	0.11	4.8			
<b>•</b> 14	2112 •43	8	0.086	4.6			
<b>•</b> 8	1727 •30	11	0.051	9.4			
<b>•</b> 9	1680 @31	15	0.052	5.1			
<b>1</b> 0	2008 @36	16	0.038	12.9			
¥ -	v	· •					

<b>\$</b> 7	1426 �21	25	0.024	7.3			
A 10		4	0.405		0.004	1.0	0 4004
<b>4</b> 13	1922 \$50	-1	0.105	11	2.661	1.9	0.1261
<b>18</b>	2102 12	5	0.096	10	2.788	2.1	0.1288
₩32	2055 \$58	-1	0.113	12	2.61	2.1	0.1281
<b>4</b> 16	2126 \$59	-2	0.12	10	2.594	2.1	0.128
<b>4</b> 19	1880 •100	-2	0.111	14	2.581	2.1	0.1299
<b>4</b> 16	2005 462	-3	0.122	11	2.545	2.1	0.1293
<b>%</b> 19	2056	-2	0.116	13	2.578	2.1	0.1307
<b>*</b> 10	2159 �53	-3	0.135	12	2.542	1.8	0.13
<b>%</b> 1/	2014 🏶 64	2	0.095	12	2.668	2.1	0.1305
<b>•</b> 11	2126 • 47	-5	0.133	7	2.467	1.9	0.1305
<b>%</b> 17	2023 �63	2	0.097	11	2.634	2.1	0.1319
<b>\$</b> 12	2034 �50	2	0.097	11	2.596	1.9	0.1328
<b>\$</b> 22	2065 �85	-6	0.142	12	2.519	2.4	0.1277
<b>1</b> 6	1940 �80	18	-0.002	-361	3.25	1.9	0.1308
<b>18</b>	1997 <b>(</b> )82	17	0.059	8	3.175	1.9	0.1324
<b>1</b> 4	2136 �56	16	0.034	23	3.047	2	0.1327
<b>@</b> 23	1818 �42	13	0.078	4	2.816	2	0.1387
<b>\$</b> 28	2107 �70	0	0.112	13			
<b>@</b> 31	1932 @114	-1	0.105	19			
<b>\$</b> 33	1979 •113	3	0.085	16			
<b>•</b> 14	1938 �46	4	0.092	5			
<b>1</b> 5	2019 �57	3	0.098	6			
<b>@</b> 21	2313	5	0.092	18			
<b>1</b> 6	2175 465	1	0.108	12			
<b>•</b> 17	2096 �54	-2	0.114	5			
<b>@</b> 13	2019 �49	1	0.1	7			
<b>\$</b> 9	2907 �67	-3	0.203	19			
<b>41</b> 8	1616 �60	14	0.036	17			
<b>4</b> 5	2575 �224	10	0.077	15			
<b>%</b> 71	2586 �266	34	-0.035	-54			
<b>%</b> 71	2574 �180	13	0.092	12			
<b>@</b> 212	3236 �657	14	0.099	52			
<b>�</b> 62	2156 �171	32	0.012	90			
<b>�</b> 68	3298 �226	48	-0.012	-114			
<b>1</b> 5	2086 �45	5	0.091	6.2			
<b>@</b> 21	2130 �110	4	0.077	17.6			
<b>@</b> 18	1971 �63	6	0.094	5.3			
<b>%</b> 10	2056 �39	1	0.106	3.3			
<b>�</b> 10	2014 �29	2	0.1	3.4			
<b>\$</b> 22	1112 �51	25	-0.031	-21.3			
<b>%</b> 15	1635 �30	69	0.072	1.9			
<b>�</b> 7	947 �19	52	0.029	2.3			

<ul> <li>♦85</li> <li>605</li> <li>♦20</li> <li>782</li> <li>♦15</li> <li>68</li> </ul>	0.018	9.7
<b>2</b> 0 782 <b>1</b> 5 68	0.024	
• •	0.024	1.9
<b>(</b> )12 1397 <b>(</b> )20 37	0.054	1.5
<b>�</b> 31 309 <b>�</b> 5 76	0.013	1.7
<b>�</b> 11 1463 <b>�</b> 18 30	0.059	1.5
<b>•</b> 7 1032 <b>•</b> 12 49	0.034	1.3
<b>�</b> 31 615 <b>�</b> 15 63	0.015	5.2
<b>�</b> 54 507 <b>�</b> 18 76	0.02	3.5
<b>�</b> 153 494 <b>�</b> 26 66	0.018	8.9
<b>�</b> 15 859 <b>�</b> 19 62	0.016	3.5
<b>�</b> 41 426 <b>�</b> 14 78	0.017	3.6
<b>\$</b> 28 374 <b>\$</b> 11 86	0.014	2.9
<b>�</b> 24 1449 <b>�</b> 50 31	0.058	4.1
<b>\$</b> 25 1192 <b>\$</b> 99 57	0.034	10.3
<b>�</b> 194 660 <b>�</b> 45 79	0.02	15.5
<b>�</b> 31 358 <b>�</b> 10 76	0.012	3.3
<b>�</b> 16 685 <b>�</b> 9 71	0.023	1.3
<b>�</b> 18 1082 <b>�</b> 25 42	0.04	2.8
<b>�</b> 31 524 <b>�</b> 18 74	0.012	6.4
<b>�</b> 42 751 <b>�</b> 19 73	0.032	2.5
<b>�</b> 14 714 <b>�</b> 30 66	0.025	4.4
<b>�</b> 54 290 <b>�</b> 5 79	0.013	1.7
<b>�</b> 144 2739 <b>�</b> 55 58	0.137	2.3
<b>�</b> 16 1290 <b>�</b> 37 44	0.046	3.3
<b>\$</b> 29 489 <b>\$</b> 9 71	0.017	1.7
<b>�</b> 18 517 <b>�</b> 9 65	0.017	2.1

�%	(	(1)238U/20 �%	(	1)207Pb*/2 <b></b> &%	(1	)207Pb*/′ <b>∕                                    </b>	(1	)206Pb*// �%	
	0.43	2.62	1.4	0.13213	0.45	6.95	1.5	0.382	1.4
	0.4	2.614	1.4	0.1326	0.42	6.99	1.5	0.383	1.4
	0.45	2.616	1.5	0.13225	0.47	6.97	1.5	0.382	1.5
	0.44	2.658	1.4	0.13295	0.46	6.9	1.5	0.376	1.4
	0.45	2.588	1.5	0.13296	0.46	7.08	1.5	0.386	1.5
	0.44	2.578	1.5	0.13282	0.47	7.1	1.5	0.388	1.5
	0.51	2.666	1.5	0.13215	0.58	6.83	1.6	0.375	1.5
	0.46	2.624	1.5	0.13243	0.51	6.96	1.5	0.381	1.5
	0.48	2.601	1.5	0.13277	0.51	7.04	1.6	0.385	1.5
	0.47	2.869	1.5	0.12969	0.53	6.23	1.5	0.349	1.5
	0.44	2.674	1.4	0.13157	0.5	6.78	1.5	0.374	1.4
	0.48	2.522	1.5	0.13254	0.49	7.25	1.6	0.397	1.5
	0.52	2.565	1.5	0.13266	0.55	7.13	1.6	0.39	1.5
	0.48	2.93	1.5	0.13055	0.64	6.14	1.6	0.341	1.5
	0.49	3.197	1.5	0.12807	0.75	5.52	1.6	0.313	1.5
	0.44	3.001	1.4	0.13134	0.44	6.03	1.5	0.333	1.4
	0.42	3.788	1.6	0.1261	0.56	4.59	1.7	0.264	1.6
	0.55	3.027	1.5	0.12671	0.72	5.77	1.7	0.33	1.5
	0.42	2.529	1.1	0.1335	0.5	7.28	1.2	0.395	1.1
	0.65	2.521	1.4	0.1328	0.66	7.26	1.6	0.397	1.4
	0.52	2.488	1.2	0.1347	0.57	7.46	1.4	0.402	1.2
	0.72	2.588	1.4	0.1345	0.76	7.17	1.6	0.386	1.4
	0.37	2.549	1.1	0.1326	0.41	7.18	1.2	0.392	1.1
	0.44	2.648	1.1	0.1323	0.46	6.89	1.2	0.378	1.1
	0.5	2.55	1.2	0.1335	0.59	7.22	1.4	0.392	1.2
	0.37	2.532	1.1	0.1334	0.38	7.26	1.2	0.395	1.1
	0.5	2.526	1.2	0.1329	0.54	7.26	1.3	0.396	1.2
	0.38	2.528	1.1	0.1335	0.43	7.28	1.2	0.396	1.1
	0.36	2.638	1.5	0.1329	0.37	6.95	1.5	0.379	1.5
	0.77	2.641	1.5	0.1322	0.89	6.9	1.7	0.379	1.5
	0.56	2.548	1.2	0.1323	0.63	7.16	1.4	0.393	1.2
	0.39	2.534	1.1	0.1332	0.41	7.25	1.2	0.395	1.1
	0.46	2.551	1.2	0.1334	0.48	7.21	1.3	0.392	1.2
	0.47	2.531	1.2	0.1332	0.52	7.26	1.3	0.395	1.2
	4.34	2.505	1.3	0.1452	5.28	7.99	5.4	0.399	1.3
	0.56	3.039	1.2	0.13	0.59	5.9	1.3	0.329	1.2
	0.87	2.682	2.2	0.1304	0.91	6.7	2.4	0.373	2.2
	0.4	2.758	1.1	0.1315	0.49	6.57	1.2	0.363	1.1
	0.47	2.594	1.2	0.1319	0.52	7.01	1.3	0.385	1.2
	0.49	2.566	1.2	0.132	0.58	7.09	1.3	0.39	1.2
	0.47	2.722	1.2	0.1323	0.59	6.7	1.3	0.367	1.2
	0.44	2.551	1.1	0.1326	0.5	(.17	1.3	0.392	1.1
	0.83	2.674	1.2	0.1333	0.92	6.87	1.5	0.374	1.2
	0.75	2.641	1.2	0.1336	0.81	6.97	1.4	0.379	1.2
	0.41	2.612	3.9	0.1342	0.49	7.09	3.9	0.383	3.9
	0.43	2.588	1.1	0.1343	0.48	7.16	1.2	0.386	1.1

0.52	3.015	1.2	0.1334	0.74	6.1	1.4	0.332	1.2
0.47	4.307	1.1	0.1323	0.8	4.24	1.4	0.232	1.1
0.4	2.914	1.1	0.1296	0.49	6.13	1.2	0.343	1.1
1.2	3.071	1.5	0.1292	1.3	5.8	2	0.326	1.5
1.1	3.287	4.3	0.1307	1.21	5.48	4.4	0.304	4.3
0.47	4,168	2.1	0.132	0.78	4.37	2.3	0.24	2.1
21	3 173	1.5	0 1353	2 35	5.88	2.8	0.315	1.5
0.79	3 639	3	0.1266	0.89	4.8	3.1	0.275	3
0.70	0.000	Ŭ	0.1200	0.00	4.0	0.1	0.270	0
0.43	2 541	14	0 13172	0.46	7 15	15	0 394	14
0.40	2 559	1.4	0.13309	0.40	7.10	1.0	0.301	1.4
0.70	2.500	1.0	0.13243	0.73	7.17	1.7	0.303	1.0
0.42	2.543	1.4	0.13243	0.42	6.97	1.5	0.386	1.7
0.42	2.532	1.4	0.13100	0.40	0.37	1.5	0.300	1.4
0.49	2.000	1.0	0.13239	0.55	7.2	1.0	0.394	1.0
0.0	2.503	1.0	0.13141	0.04	7.24	1.7	0.399	1.0
0.46	2.59	1.5	0.13254	0.49	7.06	1.5	0.386	1.5
0.44	2.812	1.4	0.13225	0.56	6.48	1.5	0.356	1.4
0.49	2.63	1.8	0.13151	0.57	6.9	1.9	0.38	1.8
0.5	2.541	1.5	0.13141	0.5	7.13	1.6	0.394	1.5
0.43	2.668	1.4	0.13249	0.45	6.85	1.5	0.375	1.4
0.75	2.673	1.7	0.13232	1.29	6.83	2.1	0.374	1.7
0.42	2.897	1.4	0.12978	0.51	6.18	1.5	0.345	1.4
0.45	2.542	1.5	0.13183	0.48	7.15	1.5	0.393	1.5
0.45	2.552	1.5	0.13264	0.49	7.17	1.5	0.392	1.5
0.43	2.552	1.4	0.13169	0.43	7.12	1.5	0.392	1.4
0.49	3.087	1.5	0.134	0.85	5.99	1.7	0.324	1.5
1.1	2.903	1.5	0.13246	1.13	6.29	1.9	0.344	1.5
0 74	2 46	23	0 1335	0 78	7 49	24	0 407	23
0.57	2.40	2.0	0 135	0.70	7.40	2.4	0.407	2.0
0.37	2.44	2.1	0.133	0.02	7.04	2.2	0.305	2.1
0.57	2.55	2	0.1310	0.57	7.17	2	0.395	2
0.50	2.04	2.1	0.1315	0.57	7.13	2.2	0.393	2.1
0.71	2.33	2.3	0.131	0.79	7.77	2.4	0.43	2.3
0.62	2.3	2.2	0.1333	0.65	7.99	2.3	0.435	2.2
0.7	2.34	2.3	0.1313	0.7	7.74	2.4	0.428	2.3
0.41	2.41	2.6	0.1283	0.44	7.35	2.6	0.415	2.6
0.69	2.34	2.2	0.1326	0.72	7.8	2.3	0.427	2.2
0.45	2.38	2	0.1313	0.47	7.61	2.1	0.42	2
0.63	2 45	26	0 1273	0.63	7 15	27	0 407	26
0.38	2.36	2.0	0 1327	0.41	7 75	21	0 424	2.0
0.53	2.37	24	0.1321	0.55	7.68	2.1	0.422	24
0.50	2.57	∠. <del>न</del> 21	0.1227	0.53	7 8	<u>∠.</u> ⊤ 2.2	0.425	2. <del>1</del> 2.1
0.02	2.33	∠.ı 2 2	0.1332	0.55	7.0 777	2.2 2 /	0.723	2.1 2.2
0.73	2.30	2.J 2.1	0.1000	0.19	7.71	∠. <del>4</del> 2.2	0.420	2.J 2.1
0.01	2.31	2.1 0.0	0.1002	0.00	7.75	2.2	0.42	∠. I 0. 0
0.09	2.30	2.2	0.1000	0.0	1.10	2.3	0.42	2.2
0.00	2.4	2.2	0.1331	0.0	7.04 5.00	2.2	0.410	2.2
0.42	2.97	2	0.1275	0.44	5.92	2.1	0.337	2
0.62	2.42	2.2	0.1322	0.71	1.53	2.3	0.413	2.2

0.81	2.73	2.5	0.1353	0.92	6.82	2.7	0.366	2.5
1.02	2.72	2.8	0.1379	1.02	6.99	3	0.368	2.8
1.41	2.68	3.4	0.1324	1.84	6.8	3.8	0.373	3.4
1.37	2.65	3.7	0.1359	1.59	7.08	4	0.378	3.7
0.96	2 57	3.1	0 1361	0.96	7.31	32	0.389	3.1
1 15	2.67	3.1	0.1386	1 28	7.3	3.4	0.382	3.1
0.77	2.02	21	0.1355	0.8	6.84	2.6	0.366	2.1
0.77	2.75	2.4	0.1355	0.8	0.04	2.0	0.300	2.4
0.03	2.75	2.5	0.1343	0.94	0.74	2.1	0.304	2.5
0.77	2.04	2.5	0.1343	0.80	7.01	2.7	0.378	2.5
0.77	2.99	2.5	0.1366	0.81	6.31	2.6	0.335	2.5
2.39	2.81	5.1	0.1326	2.42	6.52	5.7	0.356	5.1
1.48	5.5	5	0.1403	1.5	3.52	5.2	0.182	5
1.4	2.86	2.4	0.1354	1.42	6.53	2.8	0.35	2.4
0.87	3.26	2.4	0.1346	0.87	5.7	2.5	0.307	2.4
1.11	3.49	4.1	0.1349	1.29	5.32	4.3	0.286	4.1
0.97	4.42	2.4	0.1346	1.36	4.2	2.8	0.226	2.4
0.84	2.8	2.5	0 136	0.9	6 71	2.6	0.358	2.5
0.92	2 75	3.3	0 1389	0.99	6.96	3.4	0.363	3.3
1 04	2.70	2.0	0.1354	1 16	6.68	0.4 3.1	0.358	2.0
0.47	2.0	2.9	0.1304	0.51	5.76	0.1 0.0	0.330	2.9
0.47	5.15	2.2	0.1307	0.51	5.70	2.5	0.519	2.2
0.47	2.59	1.2	0.1301	0.53	6.94	1.3	0.387	1.2
0.57	2.59	1.3	0.1314	0.58	7.01	1.4	0.387	1.3
0.53	2.57	1.3	0.1319	0.54	7.07	1.4	0.389	1.3
0.58	2.57	2	0.1314	0.58	7.05	2.1	0.389	2
0.63	2.5	1.4	0.1317	0.67	7.26	1.5	0.4	1.4
0.59	2.65	1.3	0.1303	0.7	6.79	1.5	0.378	1.3
0.58	2.6	1.3	0.1308	1.01	6.94	1.7	0.385	1.3
0.48	2 57	1.8	0 1325	0.52	7 12	19	0.39	1.8
0.74	2 47	14	0 1329	0.78	7 4 1	1.6	0 404	14
0.76	2.52	1.1	0.1357	0.97	7.11	1.0	0.397	1.1
0.70	2.52	1.0	0.1330	0.37	7.74	1.0	0.307	1.0
0.0	2.00	1.7	0.1559	0.71	7.24	1.0	0.392	1.7
0.75	2.39	1.4	0.1319	0.77	7.6	1.6	0.418	1.4
	2.64	1.1	0.1309	0.5	6.84	1.2	0.379	1.1
	2.66	1.5	0.129	0.83	6.7	1.7	0.377	1.5
	2.75	1.1	0.1305	0.42	6.55	1.2	0.364	1.1
	2.65	1.1	0.1313	0.4	6.83	1.2	0.377	1.1
	2 71	13	0 1305	0 52	6 64	14	0 369	13
	2.77	1.0	0.1000	0.02	5.08	1.4	0.336	1.0
	11 10	1.1	0.123	0.20	0.30	2.0	0.007	1.1
	11.40		0.0009	2.52	0.75	2.9	0.007	1.0
	3.12	1.4	0.1367	1.32	6.05	1.9	0.321	1.4
	3.3	2.2	0.1312	1.27	5.49	2.6	0.303	2.2
	6.31	1.1	0.1188	0.55	2.6	1.2	0.158	1.1
	3.26	1.2	0.1278	0.65	5.41	1.3	0.307	1.2
1.1	2.569	2.1	0.1322	1.3	7.1	2.4	0.3892	2.1
1.2	2.56	2.2	0.1332	1.3	7.17	2.6	0.3907	2.2
1.3	2.495	2.2	0.1332	1.4	7.36	2.6	0.4007	2.2

1.1	2.612	2.1	0.1305	1.4	6.89	2.5	0.3829	2.1
0.9	2.56	1.8	0.1334	1	7.19	2	0.3907	1.8
1.3	2.573	2.3	0.1332	1.4	7.14	2.7	0.3886	2.3
1	2.513	2	0.1335	1	7.33	2.2	0.3979	2
1.2	2.528	2.1	0.1312	1.5	7.16	2.6	0.3956	2.1
1.1	2.556	2.1	0.1327	1.1	7.16	2.3	0.3913	2.1
1.1	2.509	2	0.1312	1.1	7.21	2.3	0.3986	2
0.8	2 551	17	0 136	0.9	7 35	19	0 3921	17
14	2 519	24	0 1377	2	7 54	31	0.397	24
1.1	2 474	2.1	0.1311	13	7.31	2.5	0 4042	2.1
1.2	2 543	1.8	0 1324	1.0	7.18	2.0	0.3033	1.1
1	2.040	1.0	0.1358	1.1	7.7	2.1	0.4113	1.0
0.8	2.451	1.3	0.1337	0.0	7.24	10	0.3020	1.5
1.0	2.040	2.4	0.1337	0.9	7.24	1.9	0.3929	1.7
1.2	2.432	2.4	0.1320	1.4	7.55	2.0	0.4112	2.4
1.3	2.415	2	0.1304	1.3	7.45	2.3	0.4142	2
0.8		1.1	0.131	1	0	1.4	0	1.1
1.2		1.1	0.1335	1.2	0	1.6	0	1.1
0.48	2.79	1.5	0.1331	0.58	6.57	1.6	0.358	1.5
0.53	2.69	1.5	0.1316	0.55	6.75	1.6	0.372	1.5
0.73	2.74	1.7	0.132	0.79	6.64	1.9	0.365	1.7
0.54	2.76	1.5	0.1305	0.73	6.53	1.7	0.363	1.5
0.56	2.7	1.5	0.1317	0.6	6.71	1.7	0.37	1.5
0.71	2.73	1.7	0.1318	0.78	6.65	1.9	0.366	1.7
0.73	2.77	1.7	0.1318	0.93	6.57	1.9	0.362	1.7
0.53	2.53	2.1	0.1318	0.61	7.18	2.2	0.395	2.1
0.54	2.76	1.8	0.1305	0.75	6.51	2	0.362	1.8
0.6	2.57	1.6	0.1309	0.66	7.02	1.7	0.389	1.6
0.4	2.64	1.5	0.1337	0.4	6.98	1.5	0.379	1.5
0.7	2.7	1.7	0.1342	0.71	6.84	1.8	0.37	1.7
0.63	2.62	1.6	0.1337	0.64	7.03	1.7	0.381	1.6
0.64	2.63	1.6	0.1342	0.71	7.05	1.8	0.381	1.6
0.34	3.02	1.6	0.1305	0.5	5.96	1.7	0.331	1.6
0.65	3.19	1.6	0.1307	0.99	5.64	1.9	0.313	1.6
0.7	2.66	1.7	0.1315	1.63	6.81	2.4	0.376	1.7
0.7	2.98	1.6	0.1323	0.92	6.11	1.8	0.335	1.6
0.89	2.89	1.8	0.1337	0.99	6.38	2	0.346	1.8
0 58	2 624	13	0 13196	0.68	6 93	15	0 381	13
0.00	2.024	1.0	0.13787	0.00	6 95	1.0	0.379	1.0
0.00	2.000	1.1	0.13207	0.33	7 1	1.2	0.373	1.1
0.00	2.004	1.0	0.13143	0.57	6 95	2	0.381	1.0
0.5	2.020	1.5	0.13227	0.00	6.78	16	0.301	1.5
0.40	2.03	1.5	0.1323	0.40	67	1.0	0.368	1.0
0.45	2.607	1.1	0.13137	0.43	6 73	1.2	0.300	1.1
0.37	2.037	1.4	0.13172	0.04	7 00	1.0	0.371	1.4
0.52	2.662	1.5	0 132/3	0.50	6 86 6 8	1.5	0.376	1.5
0.97	2.002	י 2	0 13256	0.02	6 73	22	0.368	י 2
0.41	2 699	<u>-</u> 11	0 13175	0.44	6 73	1 2	0.371	<u>-</u> 1 1
0.43	2 636	19	0 13242	0 44	6.93	19	0.379	19
			J J _ 1 _	0	5.55		2.0.0	

0.56	2.67	1.3	0.13481	0.67	6.96	1.5	0.375	1.3
0.54	2.699	1.2	0.13273	0.54	6.78	1.3	0.37	1.2
0.83	2.867	2.3	0.12869	0.94	6.19	2.5	0.349	2.3
0.41	2.649	1.4	0.13171	0.42	6.86	1.4	0.378	1.4
0.44	2.806	1.1	0.13224	0.56	6.5	1.3	0.356	1.1
0.44	2.76	1.1	0.13194	0.51	6.59	1.2	0.362	1.1
0.44	2.602	1.5	0.13163	0.48	6.97	1.6	0.384	1.5
0.59	2.708	1.8	0.13154	0.6	6.7	1.9	0.369	1.8
0.65	2.682	1.3	0.13193	0.66	6.78	1.4	0.373	1.3
0.37	2.877	1.1	0.13156	0.41	6.31	1.2	0.348	1.1
0.42	3.377	1.4	0.12934	0.67	5.28	1.6	0.296	1.4
	2.553	1.1	0.13161	0.78	7.11	1.4	0.392	1.1
	2.637	1.3	0.13249	0.38	6.93	1.3	0.379	1.3
	2.666	1.2	0.1326	0.19	6.86	1.2	0.375	1.2
	2.606	1.1	0.13384	0.29	7.08	1.1	0.384	1.1
	2.546	1.3	0.1352	0.63	7.32	1.4	0.393	1.3
	2.526	1.1	0.13562	0.45	7.4	1.2	0.396	1.1
	59.399	1.1	0.04977	1.01	0.12	1.5	0.017	1.1
	2.99	1.1	0.11326	0.45	5.22	1.2	0.334	1.1
	2.796	1.5	0.1332	1.31	6.57	2	0.358	1.5
	2.872	2.9	0.1369	1.18	6.57	3.1	0.348	2.9
	4.004	1.7	0.13713	0.66	4.72	1.8	0.25	1.7
	2.51	0.9	0.13618	0.44	7.47	1	0.398	0.9
	2.59	0.7	0.13539	0.31	7.21	0.8	0.386	0.7
	2.59	0.6	0.13624	0.25	7.25	0.7	0.386	0.6
	2.66	0.7	0.13609	0.31	7.06	0.7	0.376	0.7
	2.62	0.6	0.13573	0.23	7.16	0.7	0.382	0.6
	2 65	0.7	0 1369	0.32	7 11	0.8	0.377	0.7
	2.00	0.1	0.1000	0.02		0.0	0.011	0.1
	4.27	1.5	0.13136	0.32	4.24	1.6	0.234	1.5
	2.95	0.8	0.13559	0.24	6.33	0.8	0.339	0.8
	3.29	0.8	0.13555	0.27	5.68	0.8	0.304	0.8
	3.87	0.8	0.13316	0.29	4.74	0.9	0.258	0.8
	2.57	0.7	0.13673	0.17	7.34	0.7	0.389	0.7
	3.06	0.6	0 13488	0.26	6.09	0.7	0.327	0.6
	3 15	1	0 13468	0.25	59	1	0.318	1
	0.10	0.5	0 13588	0.39	0	0.6	0.010	0.5
	2 78	0.0	0.13676	1 25	6 79	14	0.36	0.0
	32	3.2	0 13564	0.34	5 84	3.2	0.312	3.2
	0.2	0.2	0.10004	0.04	0.04	0.2	0.012	0.2
0.49	2.748	1.8	0.13247	0.55	6.65	1.9	0.3639	1.8
0.27	2.594	1.2	0.13221	0.28	7.03	1.2	0.3856	1.2
0.36	2.707	1.2	0.13193	0.51	6.72	1.3	0.3694	1.2
0.27	2.608	1.2	0.13268	0.3	7.01	1.2	0.3834	1.2
0.35	2.592	12	0.13248	0.36	7.05	1.3	0.3858	12
0.2	2 525	11	0 13297	0.24	7 26	1.0	0.3961	1 1
0.34	2 624	12	0 13274	0.35	6 97	1 3	0.381	1.1
0.04	2.527	1.4	0.10214	0.00	0.07	1.0	0.001	1.4

0.23	2.57	1.1	0.13245	0.24	7.11	1.2	0.3891	1.1
0.24	2 607	14	0 13312	0.24	7 04	14	0.3836	14
0.31	2 596	12	0 13216	0.32	7.02	12	0.3852	12
0.01	2.000	1.2	0.1318	0.02	6.9	1.2	0.0002	1.2
0.21	2.000	1.2	0.13338	0.20	6.04	1.2	0.3776	1.2
0.31	2.040	1.2	0.13356	0.31	6.60	1.2	0.3770	1.2
0.32	2.733	1.4	0.13230	0.47	0.09	1.0	0.3059	1.4
0.33	2.000	1.2	0.13239	0.42	0.87	1.3	0.3765	1.2
0.23	2.703	1.1	0.13296	0.26	6.78	1.2	0.37	1.1
0.24	2.599	1.1	0.13294	0.28	7.05	1.2	0.3848	1.1
0.32	2.65	1.2	0.13293	0.34	6.92	1.2	0.3774	1.2
0.32	2.584	1.2	0.13377	0.33	7.14	1.2	0.387	1.2
0.57	2.98	1.4	0.13597	0.94	6.29	1.7	0.3356	1.4
0.18	2.599	1.1	0.1325	0.18	7.03	1.1	0.3848	1.1
0.65	2.49	1.2	0.13414	0.67	7.42	1.4	0.401	1.2
0.43	2.75	0.9	0.13493	0.44	6.76	1	0.363	0.9
0.41	2.51	0.9	0.13469	0.42	7.39	1	0.398	0.9
0.64	2.63	1.2	0.1356	0.68	7.1	1.4	0.38	1.2
0.62	2.51	1.2	0.13512	0.66	7.43	1.4	0.399	1.2
1.01	2.48	1.2	0.13652	1.06	7.59	1.6	0.403	1.2
0.52	2 53	1	0 13691	0.53	7 45	12	0.395	1
0.49	2.67	1	0 13658	0.51	7 04	11	0.374	1
1 18	2.68	17	0.13546	1 18	6.96	21	0.373	17
0.58	2.00	1.7	0.1357	0.63	7 34	13	0.302	1.7
0.50	2.55	1.2	0.13737	0.03	7.34	1.5	0.385	1.2
0.07	2.55	0.0	0.13567	0.74	7.01	1.5	0.305	0.0
0.4	2.07	0.9	0.15507	0.41	7.01	I	0.375	0.9
0.81	6.57	0.6	0.0707	0.82	1.48	1	0.152	0.6
0.44	3.09	0.8	0.13528	0.5	6.03	1	0.323	0.8
0.34	2.87	0.8	0.13617	0.37	6.54	0.8	0.348	0.8
0.31	2.64	0.7	0.13499	0.31	7.04	0.8	0.378	0.7
0.95	2.446	1.6	0.1361	0.99	7.67	1.9	0.409	1.6
0.79	2.466	1.4	0.1338	0.87	7.48	1.6	0.406	1.4
1.01	2.58	1.5	0.1296	1.53	6.93	2.1	0.388	1.5
1.08	2 577	1.8	0 1328	1 15	7 11	21	0.388	1.8
0.96	2 468	1.0	0.1377	1.10	7.69	19	0.000	1.0
0.00	2.400	1.0	0.1338	0 02	7.00	1.0	0.403	1.0
0.70	2.407	0.0	0.1375	0.52	7.42	1.0	0.402	0.0
0.40	2.545	1 /	0.1373	1.02	7.45	10	0.333	1 /
1 40	2.007	1.4	0.1337	1.03	7.55	1.0	0.399	1.4
1.40	2.440	C.I	0.1334	1.57	7.51	2.1	0.409	1.5
0.76	2.512	1.3	0.1338	0.95	7.34	1.6	0.398	1.3
1.16	2.569	1.9	0.1347	1.78	7.23	2.6	0.389	1.9
0.85	2.507	1.3	0.1352	1.22	7.44	1.8	0.399	1.3
0.56	2.531	. 1	0.1356	0.58	7.39	1.1	0.395	. 1
0.93	2.509	1.5	0.1352	1.05	7.43	1.8	0.398	1.5
1.14	2.503	1.9	0.1344	1.29	7.41	2.3	0.4	1.9
0.81	2.411	1.4	0.1347	0.86	7.7	1.6	0.415	1.4
0.93	2.399	1.6	0.1351	0.97	7.77	1.8	0.417	1.6
0.79	2.475	1.3	0.1339	0.82	7.46	1.6	0.404	1.3

	2.501	1.2	0.1344	0.48	7.41	1.3	0.4	1.2
	2.69	1.6	0.1353	0.64	6.94	1.7	0.372	1.6
	2.503	1.1	0.1359	0.42	7.49	1.2	0.4	1.1
	2.531	1.6	0.136	0.69	7.41	1.7	0.395	1.6
	2.721	1.3	0.1386	0.97	7.02	1.6	0.368	1.3
	2.574	1.4	0.1393	1.09	7.46	1.8	0.388	1.4
	2.603	1.2	0.1401	1.5	7.42	2	0.384	1.2
	2.599	1.2	0.1413	1.45	7.5	1.9	0.385	1.2
	9.572	1	0.0626	0.71	0.9	1.2	0.104	1
	2.768	1.2	0.1227	0.44	6.12	1.3	0.361	1.2
	2.945	1.6	0.1415	2.31	6.63	2.8	0.34	1.6
	3.01	1.3	0.142	2.15	6.51	2.5	0.332	1.3
	4.969	1.5	0.1457	2.42	4.04	2.9	0.201	1.5
	2.699	1.4	0.146	1.86	7.46	2.3	0.37	1.4
	2.61	1	0.1312	0.76	6.93	1.2	0.383	1
0.51	2.537	1	0.1316	0.77	7.15	1.2	0.394	1
0.43	2.573	0.8	0.1325	0.5	7.1	1	0.389	0.8
0.53	2.591	1	0.1326	0.57	7.06	1.2	0.386	1
0.53	2.597	1	0.1334	0.65	7.08	1.2	0.385	1
0.57	2.56	1	0.1335	0.63	7.19	1.2	0.391	1
0.98	2.655	1	0.1336	1.02	6.94	1.4	0.377	1
0.54	2.526	1	0.1342	0.56	7.32	1.1	0.396	1
0.57	2.512	1	0.1342	0.57	7.36	1.2	0.398	1
0.52	2.484	0.9	0.1342	0.52	7.45	1.1	0.403	0.9
0.47	2.541	0.9	0.1343	0.5	7.28	1	0.394	0.9
0.46	2.589	0.9	0.1348	0.57	7.18	1.1	0.386	0.9
0.46	2.642	0.9	0.1349	0.53	7.04	1	0.378	0.9
0.54	2.564	1	0.1351	0.56	7.26	1.2	0.39	1
0.43	2.597	0.8	0.1354	0.43	7.19	0.9	0.385	0.8
0.52	3.98	2.5	0.1331	1.36	4.61	2.9	0.251	2.5
0.85	20.562	4.8	0.1348	1.52	0.9	5.1	0.049	4.8
0.55	3.497	3.2	0.135	0.74	5.32	3.3	0.286	3.2
	2.539	1.2	0.1332	0.42	7.23	1.3	0.394	1.2
	2.638	1.2	0.133	0.44	6.95	1.2	0.379	1.2
	2.615	1.3	0.1335	0.28	7.04	1.3	0.382	1.3
	2.548	1	0.1338	0.94	7.24	1.4	0.392	1
	2.588	1	0.1338	0.41	7.13	1.1	0.386	1
	2.549	1	0.1325	0.16	7.17	1	0.392	1
	2.595	1	0.1329	0.22	7.06	1	0.385	1
	2.517	1	0.1334	0.27	7.31	1.1	0.397	1
	2.672	1.1	0.1351	0.55	6.97	1.2	0.374	1.1
	2.644	1.1	0.1361	0.73	7.1	1.3	0.378	1.1
	3.367	1.8	0.1487	2.87	6.09	3.4	0.297	1.8
	3.241	1.1	0.1512	2.05	6.43	2.3	0.309	1.1
	2.884	1	0.134	0.69	6.4	1.2	0.347	1

	2.744 2.867 2.658	1 1.6 1.7	0.1369 0.1536 0.1672	0.5 3.3 5.03	6.88 7.38 8.67	1.1 3.6 5.3	0.364 0.349 0.376	1 1.6 1.7
	2.636	1.2	0.1449	2.22	7.58	2.5	0.379	1.2
	2.768	1.1	0.1331	0.17	0.03 2.04	1.1	0.361	1.1
	4.970	2.1 1.2	0.1300	2.37	3.04 8.02	3.Z 1.5	0.201	2.1 1.2
	2.005	1.2	0.1002	1 07	0.02	1.0 2.4	0.372	1.2
	2 80/	1.4	0.1025	0.34	6.41	2. <del>4</del> 1.2	0.09	1.4
	2.094	1.1	0.1343	0.34	7 12	9.5	0.340	1.1
	2.644	0.9	0.1326	0.31	6.91	1	0.378	0.9
1.27	2.613	1.5	0.1367	1.27	7.21	2	0.383	1.5
0.52	2.571	1.4	0.136	0.54	7.3	1.5	0.389	1.4
0.52	2.497	1.4	0.1346	0.56	7.43	1.5	0.401	1.4
0.51	2.551	1.3	0.1363	0.54	7.37	1.5	0.392	1.3
0.4	2.010	1.2	0.1365	0.4	7.19	1.2	0.382	1.2
0.03	2.539	1.5	0.1342	0.00	7.29	1.7	0.394	1.5
0.22	2.510	16	0.135	0.23	7.4	17	0.397	16
0.05	2.558	1.0	0.1303	0.09	7.41	1.7	0.394	1.0
0.57	2.530	1.1	0.1366	0.53	7.23	1.2	0.391	1.1
0.30	2.535	1.7	0.1338	0.57	7.41	1.0	0.394	1.7
0.00	2.581	1.5	0.1366	0.41	7.3	1.2	0.387	1.2
1	2.491	2.2	0.1347	1.08	7.46	2.5	0.402	2.2
1.05	2.595	2.1	0.1367	1.14	7.26	2.4	0.385	2.1
0.95	2.582	1.5	0.1375	1.02	7.34	1.8	0.387	1.5
0.87	2.482	3.4	0.1326	1.05	7.36	3.5	0.403	3.4
1.29	2.556	1.3	0.137	1.31	7.39	1.9	0.391	1.3
0.79	2.608	1.8	0.1394	0.85	7.37	2	0.383	1.8
1.65	2.505	1.7	0.1393	1.69	7.67	2.4	0.399	1.7
0.33	2.274	1.1	0.1324	0.33	8.03	1.1	0.44	1.1
	2.696	1.1	0.1311	0.36	6.7 6 76	1.1 2 1	0.371	1.1
	2.000	2.1	0.1300	0.20	6.78	2.1 1	0.375	2.1 1
	2 704	12	0.1303	0.3	6.70	13	0.37	12
	2 682	1.5	0 1313	0.27	6 75	1.0	0.373	1.5
	2.667	1.1	0.1322	0.57	6.83	1.2	0.375	1.1
	2.687	1	0.1311	0.28	6.73	1.1	0.372	1
	2.632	1.2	0.1293	0.96	6.77	1.5	0.38	1.2
	2.652	1.1	0.1298	0.36	6.75	1.2	0.377	1.1
	2.683	1	0.1314	0.48	6.75	1.1	0.373	1
	2.646	1.1	0.1321	0.37	6.88	1.1	0.378	1.1
	2.658	1	0.1316	0.23	6.83	1	0.376	1
	2.664	2.6	0.134	0.44	6.94	2.6	0.375	2.6
	2.603	1.3	0.1344	0.61	7.12	1.5	0.384	1.3
	2.621	1.1	0.1371	0.65	7.21	1.3	0.382	1.1
	2.797	2	0.1287	0.31	6.35	2	0.357	2
	2.686	2	0.1288	0.6	6.61	2.1	0.372	2

	2.735	2	0.1289	0.39	6.5	2	0.366	2
	2.698	2.1	0.1296	0.72	6.62	2.2	0.371	2.1
		_						_
	2.645	2	0.1337	0.4	6.97	2.1	0.378	2
	2.466	4.1	0.134	0.43	7.49	4.1	0.405	4.1
	2.706	2	0.1341	0.51	6.83	2.1	0.37	2
	2.38	2.1	0.1366	0.66	7.91	2.2	0.42	2.1
	2.636	2.1	0.139	1.01	7.27	2.3	0.379	2.1
	2.893	2.1	0.1316	0.57	6.27	2.1	0.346	2.1
	2.863	2	0.1327	0.37	6.39	2	0.349	2
	2.951	2	0.1332	1.04	6.23	2.3	0.339	2
	2.984	2.1	0.1333	0.88	6.16	2.3	0.335	2.1
	2.874	2	0.1348	0.98	6.47	2.3	0.348	2
0.6	2.89	1.9	0.1304	0.74	6.23	2.1	0.347	1.9
0.45	2.71	1.8	0.1305	0.53	6.63	1.8	0.369	1.8
0.74	2.76	1.8	0.1305	0.95	6.51	2	0.362	1.8
0.6	2.73	1.9	0.1306	0.74	6.58	2.1	0.366	1.9
0.51	2.77	1.8	0.1307	0.6	6.5	1.9	0.361	1.8
0.37	2.81	1.7	0.1309	0.44	6.43	1.8	0.356	1.7
0.43	2.76	1.7	0.1312	0.47	6.57	1.8	0.363	1.7
0.4	2.68	1.8	0.1313	0.47	6.75	1.8	0.373	1.8
0.45	2.83	1.8	0.1316	0.53	6.4	1.9	0.353	1.8
0.36	2.68	1.7	0.1316	0.47	6.76	1.8	0.373	1.7
0.52	2.74	1.8	0.132	0.86	6.64	2	0.365	1.8
0.9	2.69	1.8	0.1321	0.95	6.76	2	0.371	1.8
0.41	2.73	1.7	0.1322	0.42	6.68	1.8	0.366	1.7
0.54	2.61	1.8	0.1322	0.61	6.99	1.9	0.384	1.8
0.38	2.59	1.7	0.1327	0.53	7.08	1.8	0.387	1.7
0.55	2.79	1.9	0.1328	0.57	6.56	2	0.358	1.9
0.81	2.79	2.2	0.1329	1.2	6.57	2.5	0.359	2.2
0.74	2.71	2.1	0.1347	1.04	6.85	2.4	0.369	2.1
0.47	1.5	1.9	0.3103	0.49	28.46	1.9	0.665	1.9
0.37	1.41	2.1	0.331	0.38	32.27	2.1	0.707	2.1
2.68	4.37	2.2	0.1256	6.73	3.97	7.1	0.229	2.2
0.87	3.13	1.8	0.1289	1.11	5.68	2.1	0.319	1.8
0.75	3	2.1	0.13	1.14	5.98	2.4	0.334	2.1
0.42	2.99	1.7	0.1301	0.52	6.01	1.8	0.335	1.7
0.9	3	1.8	0.1304	1.03	6	2.1	0.334	1.8
0.51	2.96	1.8	0.1311	0.6	6.1	1.9	0.338	1.8
1.13	2.93	1.7	0.1336	2.88	6.29	3.4	0.341	1.7
0.67	2.94	1.9	0.1339	1.27	6.27	2.3	0.34	1.9
0.84	2.6	2.2	0.1349	1.03	7.15	2.4	0.384	2.2
2.31	2.57	1.9	0.1352	4.05	7.25	4.5	0.389	1.9
0.71	2.93	2	0.1356	0.78	6.38	2.2	0.341	2
0.47	2.48	1.8	0.1356	1.34	7.54	2.3	0.403	1.8
0.4	2.28	2	0.1373	3.41	8.32	3.9	0.439	2
0.51	2.52	1.9	0.14	0.56	7.68	2	0.398	1.9
0.41	3.07	1.7	0.147	0.57	6.61	1.8	0.326	1.7

0.38	2.84	1.8	0.1292	0.38	6.26	1.8	0.352	1.8
0.54	2.66	1.7	0.1295	0.59	6.71	1.8	0.376	1.7
0.4	2.7	1.6	0.1296	0.42	6.63	1.6	0.371	1.6
0.32	2.7	1.6	0.1297	0.34	6.64	1.6	0.371	1.6
0.44	2.65	1.6	0.1297	0.44	6.75	1.7	0.378	1.6
0.41	2.67	1.6	0.1298	0.41	6.69	1.7	0.374	1.6
0.57	2.63	1.7	0.1299	0.57	6.8	1.7	0.38	1.7
0.4	2.66	1.6	0.13	0.42	6 74	16	0.376	1.6
0.38	2.80	1.6	0 1311	0.41	6 44	1.6	0.356	1.6
0.59	2.51	1.0	0 1313	0.72	7 21	1.8	0.399	1.0
0.37	2.01	1.7	0.1313	0.44	6.61	1.0	0.365	1.1
0.07	2.74	1.0	0.1318	0.44	6 55	1.7	0.000	1.0
0.02	2.11	1.0	0.1010	0.00	0.00	1.0	0.00	1.0
0.52	3.3	2.6	0.129	0.53	5.39	2.6	0.303	2.6
1.38	3.79	3	0.1292	1.45	4.7	3.3	0.264	3
1.64	2.66	1.7	0.1283	1.68	6.64	2.4	0.375	1.7
0.52	2.68	1.7	0.1292	0.55	6.66	1.8	0.374	1.7
0.52	2.66	1.7	0.1297	0.52	6.73	1.8	0.376	1.7
0.46	2.7	1.6	0.13	0.53	6.63	1.7	0.37	1.6
0.52	2.65	1.7	0.1301	0.55	6.77	1.8	0.378	1.7
0.5	2.7	1.7	0.1301	0.57	6.65	1.8	0.371	1.7
0.26	2.73	1.5	0.1302	0.27	6.59	1.6	0.367	1.5
0.59	2.68	1.7	0.1303	0.63	6.72	1.8	0.374	1.7
0.36	2.64	1.6	0.1306	0.37	6.82	1.6	0.379	1.6
1.08	2.87	1.7	0.1309	1.11	6.28	2.1	0.348	1.7
0.56	2.65	1.7	0.1312	0.66	6.82	1.8	0.377	1.7
0.37	2.75	1.6	0.132	0.49	6.62	1.7	0.364	1.6
1.07	2.7	2.1	0.1328	1.36	6.77	2.5	0.37	2.1
0.54	2.73	1.7	0.1336	0.94	6.73	1.9	0.366	1.7
0.48	3.04	1.6	0.1331	0.6	6.03	1.7	0.329	1.6
0.56	3.11	2	0.1283	0.64	5.68	2.1	0.321	2
0.58	2.92	1.7	0.1305	0.77	6.16	1.9	0.342	1.7
0.45	2.87	2.1	0.1315	0.55	6.31	2.2	0.348	2.1
0.32	3	1.6	0.1322	0.44	6.08	1.6	0.334	1.6
0.62	2.9	1.7	0.1339	0.87	6.37	1.9	0.345	1.7
0.63	3.26	1.7	0.1341	1	5.67	2	0.307	1.7
	0.50	4.0	0 4000	0.4	6.00	1.0	0.007	1.0
	2.58	1.0	0.1303	0.4	0.90	1.0	0.387	1.0
	2.55	2.5	0.1319	1.35	7.14	2.8	0.393	2.5
	2.61	1.6	0.1313	0.35	6.95	1.6	0.384	1.6
	2.55	1.7	0.1319	0.58	7.13	1.8	0.392	1.7
	2.47	1.6	0.1324	0.43	7.39	1./	0.405	1.6
	2.62	1.6	0.1315	0.39	6.91	1.6	0.381	1.6
	2.53	1.5	0.1317	0.28	7.18	1.6	0.395	1.5
	2.52	1.7	0.1328	0.57	7.28	1.8	0.397	1.7
	2.51	1.6	0.1336	0.32	7.35	1.6	0.399	1.6
	2.5	2	0.1345	0.93	7.42	2.2	0.4	2
	2.55	1.7	0.1345	0.38	7.27	1.8	0.392	1.7
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2.6	1.7	0.1338	0.52	7.1	1.8	0.385	1.7
2.58	1.6	0.1347	0.35	7.2	1.6	0.388	1.6
2.61	1.6	0.1336	0.4	7.06	1.7	0.383	1.6
2.69	1.6	0.1342	0.82	6.89	1.8	0.372	1.6
2.71	1.7	0.1344	0.58	6.83	1.8	0.368	1.7
2.8	1.6	0.1331	0.43	6.55	1.7	0.357	1.6
2.62	1.8	0.1383	0.31	7.28	1.8	0.382	1.8
2.83	1.6	0.1356	1.06	6.61	1.9	0.354	1.6
2.13	1.5	0.1335	0.29	8.65	1.6	0.47	1.5
2.35	1.7	0.1355	0.44	7.95	1.7	0.426	1.7
3.05	2.6	0.1278	2.49	5.77	3.6	0.328	2.6
3.04	1.6	0.1341	0.5	6.09	1.7	0.329	1.6
3.17	1.9	0.1323	0.48	5.76	2	0.316	1.9
3.64	34.2	0.1294	0.71	4.9	34.2	0.275	34.2
3.75	1.7	0.1359	0.73	5	1.8	0.267	1.7
3.82	1.7	0.1351	0.51	4.88	1.8	0.262	1.7
4.93	2	0.1257	0.25	3.52	2	0.203	2
5.91	3	0.1433	0.88	3.34	3.1	0.169	3
11.41	2	0.0585	0.79	0.71	2.2	0.088	2
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2.7	1.6	0.131	0.49	6.69	1.7	0.37	1.6
2.85	1.8	0.1311	0.53	6.33	1.9	0.35	1.8
2.86	1.5	0.1315	0.29	6.33	1.6	0.349	1.5
2.75	1.6	0.1321	0.36	6.61	1.6	0.363	1.6
2.58	1.6	0.1329	0.35	7.11	1.6	0.388	1.6
2.83	2.5	0.1335	0.31	6.5	2.5	0.353	2.5
2.53	1.6	0.1339	0.36	7.3	1.6	0.395	1.6
2.54	1.7	0.1388	0.33	7.54	1.7	0.394	1.7
2.36	1.6	0.1485	0.42	8.66	1.7	0.423	1.6
2.03	1.9	0.1712	2.52	11.65	3.1	0.493	1.9
2.28	1.6	0.1713	0.63	10.37	1.7	0.439	1.6
3.01	4.5	0.1287	0.67	5.9	4.5	0.332	4.5
3.62	1.9	0.1323	0.37	5.04	1.9	0.276	1.9
2.95	1.8	0.1324	0.81	6.2	2	0.339	1.8
2.97	2	0.1333	0.31	6.19	2	0.337	2
5.14	1.8	0.1343	1.69	3.61	2.5	0.195	1.8
2.87	1.7	0.1345	0.38	6.46	1.8	0.348	1.7
2.81	1.9	0.1346	0.44	6.6	1.9	0.356	1.9
7.54	2.4	0.1375	1.1	2.51	2.7	0.133	2.4
1.98	1.6	0.2084	0.4	14.52	1.6	0.506	1.6
2.563	1.4	0.1281	0.71	6.89	1.6	0.39	1.4
2.583	1.7	0.1285	0.91	6.86	1.9	0.387	1.7
2.584	2	0.1287	1.68	6.86	2.6	0.387	2
2.661	1.5	0.1287	0.81	6.67	1.7	0.376	1.5
2.67	1.6	0.1289	0.83	6.66	1.8	0.375	1.6
2.706	1.4	0.1293	0.75	6.59	1.6	0.37	1.4
2.666	1.5	0.1294	1.17	6.69	1.9	0.375	1.5
2.559	2	0.1295	0.8	6.98	2.2	0.391	2

0.64 0.87 1.1 0.79 0.8 0.71 1.16 0.79

0.54	2.62	1.2	0.1302	0.56	6.85	1.4	0.382	1.2
0.49	2.726	1.2	0.1303	0.49	6.59	1.3	0.367	1.2
0.5	2.707	1.3	0.1303	0.86	6.64	1.5	0.369	1.3
1.57	2.625	1.7	0.1305	1.57	6.85	2.3	0.381	1.7
0.63	2.662	1.3	0.1305	0.63	6.76	1.5	0.376	1.3
0.59	2.642	1.3	0.1306	0.61	6.82	1.4	0.379	1.3
0.81	2.651	1.6	0.1308	0.81	6.8	1.8	0.377	1.6
0.57	2.681	1.3	0.1308	0.58	6.73	1.4	0.373	1.3
0.76	2 763	1.5	0 1323	0.84	6.6	17	0.362	1.5
•••••			0020		010		0.002	
2.18	3.279	2.1	0.1334	2.18	5.61	3	0.305	2.1
1.99	9.058	4.8	0.1151	2.14	1.75	5.2	0.11	4.8
1	2.566	1.7	0.12692	1.22	6.82	2.1	0.3897	1.7
1.58	2.501	3.8	0.12698	1.6	7	4.2	0.3998	3.8
0.69	2.738	1.3	0.12817	0.74	6.46	1.5	0.3653	1.3
0.54	2 823	1.0	0 12821	0.7	6.26	1.3	0.3542	1.0
0.65	2 561	1.3	0 12827	0.66	6.9	1.5	0.3904	1.3
0.71	2 791	1.3	0 12867	1 21	6.36	1.8	0.3582	1.3
07	2.56	1.3	0 1288	0.89	6.94	1.6	0.3906	1.3
0.78	2 641	22	0 12898	0.83	6 73	2.3	0.3786	22
0.65	2 658	12	0.12901	0.00	6 69	14	0.3763	12
14	2.602	1.2	0 12906	1 42	6.84	1.1	0.3843	1.2
1 29	2 594	1.0	0.12000	1.31	6 91	1.0	0.3855	1.0
0.87	2.004	1.0	0.13009	1.01	6 59	1.0	0.3675	1.0
0.07	2.121	1.0	0.13062	0.77	6.9	1.0	0.3831	1.0
0.77	2 798	1.4	0.13081	0.77	645	1.0	0.3574	1.4
1.08	2 587	1.0	0.13121	1.08	6 99	1.0	0.3866	1.0
1.35	2 714	1.0	0.13124	1.00	6.67	1.7	0.3685	1.0
1.00	2.692	2.8	0.13185	1.96	6 75	3.4	0.3715	2.8
2.33	2.002	3.3	0.13207	2.39	7 1	0.4 4 1	0.3899	3.3
2.00	2.000	0.0	0.10207	2.00			0.0000	0.0
0.63	2.464	3.5	0.13336	0.68	7.46	3.5	0.4059	3.5
3.22	2.672	4.4	0.12343	3.32	6.37	5.5	0.3742	4.4
0.82	2.446	3.7	0.12829	0.82	7.23	3.8	0.4088	3.7
0.6	2.802	1.2	0.12902	1.53	6.35	2	0.3569	1.2
0.54	2.962	1.1	0.1293	0.92	6.02	1.5	0.3376	1.1
0.62	2.852	1.2	0.13087	1.26	6.33	1.7	0.3506	1.2
0.65	2.548	2.2	0.13291	2.89	7.19	3.6	0.3924	2.2
0.74	0.00		0.4000	0.75	0.07	4.0	0.050	
0.74	2.83	1.1	0.1286	0.75	6.27	1.3	0.353	1.1
0.31	2.69	1.1	0.1287	0.32	6.61	1.1	0.372	1.1
0.33	2.69	1.4	0.1289	0.34	6.6	1.4	0.372	1.4
0.39	2.6	1.1	0.1293	0.41	6.87	1.2	0.385	1.1
0.36	2.68	1.1	0.1295	0.37	6.67	1.2	0.374	1.1
1.19	2.82	2.9	0.1297	1.23	6.33	3.1	0.354	2.9
0.80	2.64	1.1	0.1298	0.97	٥./ð	1.5	0.379	1.1
0.29	2.64	1.1	0.1306	0.29	6.83	1.1	0.379	1.1
0.37	2.76	1.1	0.1323	0.41	6.61	1.2	0.363	1.1

0 75	5 89	13	0 1166	1 1 1	2 73	17	0 17	13
0.10	3 22	1.0	0 1265	0.43	5 4 1	1.7	0.17	1.0
1 15	3 13	3.6	0.1200	0.40 1 16	5 11	5.5	0.01	3.6
0.62	3.02	1 1	0.1270	0.66	5.87	13	0.201	1 1
0.02	2.02	1.1	0.1200	0.00	5.07	1.0	0.335	1.1
0.52	2.90	1.1	0.1294	0.35	5.90	1.1	0.333	1.1
0.4	5.02	1.4	0.1297	0.44	0.93	1.0	0.332	1.4
0.82	5.37	3.8	0.1301	0.95	3.34	4	0.186	3.8
1.54	3.03	4.2	0.1302	1.86	5.92	4.0	0.33	4.2
0.68	3.45	1.1	0.1306	0.73	5.22	1.4	0.29	1.1
0.66	2.29	1.7	0.1328	2.46	8	3	0.437	1.7
0.71	2.657	1.5	0.1326	0.75	6.88	1.7	0.376	1.5
0.61	2.559	1.4	0.1332	0.61	7.17	1.6	0.391	1.4
0.69	2.523	1.5	0.1332	0.72	7.28	1.7	0.396	1.5
0.47	2.543	1.2	0.1334	0.48	7.23	1.3	0.393	1.2
0.84	2.481	1.7	0.1334	0.87	7.42	1.9	0.403	1.7
0.72	2.608	1.5	0.1335	0.75	7.06	1.7	0.383	1.5
0.55	2.539	1.3	0.1337	0.56	7.26	1.4	0.394	1.3
0.61	2.577	1.4	0.1341	0.61	7.17	1.5	0.388	1.4
0.6	2.545	1.4	0.1342	0.63	7.27	1.5	0.393	1.4
0.85	2.787	1.6	0.1342	0.88	6.64	1.8	0.359	1.6
0.57	2.581	1.3	0.1342	0.59	7.17	1.5	0.387	1.3
1.21	2.608	1.5	0.1345	1.27	7.11	2	0.383	1.5
0.84	2 559	1.0	0 1347	0.89	7 26	19	0.391	1.0
0.57	2 468	1.7	0 1347	0.00	7.53	1.5	0.405	1.7
1.36	2 527	1.4	0.1349	1.39	7.36	22	0.396	1.4
0.78	2.675	1.7	0.1373	0.88	7.00	1.8	0.374	1.7
0.70	2.075	1.0	0.1075	0.00	7.00	1.0	0.074	1.0
0.64	2.65	1.4	0.1288	0.7	6.71	1.5	0.378	1.4
0.43	2.82	1.1	0.1291	0.5	6.31	1.2	0.354	1.1
0.56	2.63	1.3	0.1292	0.61	6.77	1.4	0.38	1.3
0.48	2.62	1.2	0.1298	0.51	6.84	1.3	0.382	1.2
0.43	2.84	1.1	0.1304	0.73	6.34	1.3	0.352	1.1
0.57	2.61	1.3	0.1309	0.93	6.9	1.6	0.383	1.3
0.49	2.7	1.2	0.131	0.5	6.68	1.3	0.37	1.2
0.52	2.7	1.2	0.1311	0.6	6.7	1.4	0.371	1.2
0.66	2.65	1.4	0.1317	0.66	6.85	1.5	0.377	1.4
0.78	2.66	1.5	0.1322	0.94	6.86	1.8	0.376	1.5
1 06	2 58	17	0 1266	1 1	6 77	21	0.388	17
0.75	2.50	1.7	0.1200	1.1	4.83	1.5	0.300	1.7
0.75	3.05	1.1	0.1279	1.09	4.03	1.5	0.274	1.1
0.72	3.49	1.0	0.1202	1.04	5.07	2	0.207	1.0
0.90	4.34	1.1	0.1305	2.2	4.14	2.5	0.23	1.1
0.57	2.89	3.2	0.1313	0.99	6.26	3.3	0.346	3.2
0.46	3.23	1.1	0.1313	0.83	5.6	1.4	0.309	1.1
0.55	3.55	1.3	0.1318	2.22	5.12	2.6	0.282	1.3
0.44	2.87	1.1	0.1329	1.09	6.4	1.6	0.349	1.1
1.01	3.42	2.4	0.1338	1.83	5.4	3.1	0.293	2.4
1.58	2.76	2	0.1349	1.95	6.74	2.8	0.363	2
1.35	2.55	1.6	0.1351	2.29	7.3	2.8	0.392	1.6
1.2	5.69	1.7	0.1359	2.01	3.29	2.6	0.176	1.7

0.45	2.674	1.2	0.1274	0.52	6.57	1.3	0.3739	1.2
1.08	2.737	2	0.1279	1.27	6.44	2.3	0.3654	2
0.5	2.823	2.1	0.1282	0.53	6.26	2.2	0.3542	2.1
0.56	2.585	1.3	0.1283	0.63	6.84	1.5	0.3869	1.3
0.65	2.697	1.4	0.1284	0.71	6.57	1.6	0.3708	1.4
0.58	2.68	1.3	0.1289	0.62	6.63	1.5	0.3731	1.3
0.91	2.674	1.8	0.1296	0.95	6.68	2	0.374	1.8
0.59	2.594	1.4	0.1298	0.63	6.9	1.5	0.3855	1.4
0.63	2.611	1.4	0.13	0.65	6.87	1.6	0.383	1.4
0.9	2.619	1.8	0.1302	1.01	6.85	2.1	0.3818	1.8
0.67	2.838	1.4	0.1303	0.72	6.33	1.6	0.3524	1.4
0.87	2.611	1.8	0.1323	0.93	6.99	2	0.383	1.8
0.7	4.361	3.1	0.1281	0.89	4.05	3.2	0.2293	3.1
0.97	3.396	2.6	0.1289	1.02	5.23	2.8	0.2944	2.6
0.66	3.196	1.4	0.1296	0.73	5.59	1.6	0.3128	1.4
0.35	2.679	1	0.12872	0.51	6.62	1.1	0.3732	1
0.27	2.58	0.9	0.1288	0.29	6.88	1	0.3877	0.9
0.38	2.617	1	0.12908	0.43	6.8	1.1	0.3821	1
0.29	2.629	1	0.1291	0.35	6.77	1	0.3803	1
0.84	2.633	1	0.12914	0.84	6.76	1.3	0.3798	1
0.86	2.647	1.1	0.12918	0.9	6.73	1.4	0.3778	1.1
0.35	2.614	1	0.12925	0.35	6.82	1.1	0.3825	1
0.28	2.609	1.2	0.12926	0.28	6.83	1.2	0.3834	1.2
0.33	2.675	1	0.12951	0.33	6.68	1	0.3738	1
0.27	2.626	0.9	0.12966	0.27	6.81	1	0.3809	0.9
0.45	2.654	1.1	0.13087	0.54	6.8	1.2	0.3768	1.1
0.49	2.664	1.1	0.13212	0.51	6.84	1.2	0.3754	1.1
0.49	2.155	1	0.12841	0.55	8.22	1.1	0.464	1
0.76	2.685	1.6	0.12915	0.78	6.63	1.7	0.3724	1.6
0.46	2.956	0.9	0.12943	0.49	6.04	1.1	0.3383	0.9
0.58	2.669	1.4	0.12703	0.68	6.56	1.6	0.375	1.4
0.52	2.659	1.4	0.12737	0.55	6.6	1.5	0.376	1.4
0.72	2.638	1.6	0.1281	0.84	6.69	1.8	0.379	1.6
0.64	2.765	1.5	0.12816	0.81	6.39	1.7	0.362	1.5
0.59	2.658	1.5	0.12867	0.62	6.67	1.6	0.376	1.5
0.64	2.648	1.5	0.12882	0.66	6.71	1.6	0.378	1.5
0.44	2.713	1.3	0.12911	0.46	6.56	1.4	0.369	1.3
0.4	2.769	1.3	0.1293	0.41	6.44	1.4	0.361	1.3
0.43	2.874	1.3	0.12937	0.43	6.21	1.4	0.348	1.3
0.53	2.642	1.4	0.12957	0.57	6.76	1.5	0.378	1.4
0.73	2.742	1.6	0.12965	0.9	6.52	1.8	0.365	1.6
0.84	2.852	1.4	0.12967	0.89	6.27	1.6	0.351	1.4
0.7	2.723	1.5	0.12979	0.71	6.57	1.6	0.367	1.5
0.59	2.685	1.4	0.13013	0.61	6.68	1.6	0.372	1.4
0.64	3.004	1.5	0.13066	0.9	6	1.7	0.333	1.5
0.62	3.241	1.4	0.1312	0.74	5.58	1.6	0.309	1.4

0.91	2.757	2.4	0.12793	0.94	6.4	2.6	0.363	2.4	
0.4	2.722	1.3	0.1281	0.52	6.49	1.4	0.367	1.3	
0.55	2.644	1.4	0.12856	0.58	6.7	1.6	0.378	1.4	
0.63	2.616	1.5	0.12884	0.67	6.79	1.6	0.382	1.5	
0.41	2.669	1.3	0.12904	0.6	6.67	1.4	0.375	1.3	
0.49	2.868	1.4	0.12906	0.59	6.21	1.5	0.349	1.4	
0 44	2 633	13	0 12918	0.78	6 77	1.5	0.38	13	
0.28	2 733	1.0	0 1292	03	6.52	1.6	0 366	1.5	
0.20	2.700	1.0	0.1202	0.0	6 20	1.0	0.352	1.0	
0.72	2.041	1.0	0.12952	0.74	0.29	1.5	0.352	1.0	
0.57	2.791	1.4	0.12903	0.02	0.4	1.0	0.336	1.4	
0.50	2.724	1.5	0.13001	0.94	0.58	1.8	0.367	1.5	
0.76	2.755	1.6	0.13009	0.79	6.51	1.8	0.363	1.6	
0.51	2.624	1.4	0.13015	0.59	6.84	1.5	0.381	1.4	
0.6	2.768	1.4	0.13016	0.68	6.48	1.6	0.361	1.4	
0.49	2.878	1.7	0.13083	0.55	6.27	1.8	0.348	1.7	
0.5	2.732	1.4	0.13085	0.51	6.6	1.5	0.366	1.4	
0.49	11.139	1.2	0.11965	0.56	1.48	1.3	0.09	1.2	
0.86	3.491	2.1	0.12801	1.29	5.06	2.5	0.286	2.1	
0.25	2.224	3.5	0.12877	0.29	7.98	3.5	0.45	3.5	
0.63	3.049	1.4	0.12928	0.71	5.85	1.5	0.328	1.4	
1.38	2.658	1.4	0.13263	2.24	6.88	2.7	0.376	1.4	
1.17	3.66	1.5	0.12728	1.5	4.8	2.1	0.273	1.5	
0.61	2.81	1.8	0.12841	0.67	6.31	2	0.356	1.8	
0.54	2.81	1.6	0.12864	0.55	6.31	1.7	0.356	1.6	
0.49	2.81	1.6	0.12906	0.53	6.34	1.7	0.356	1.6	
0.93	2.9	2.6	0.12919	1.05	6.14	2.8	0.344	2.6	
0.36	2.72	1.5	0.12932	0.38	6.56	1.5	0.368	1.5	
0.69	2 72	2.5	0 12955	0.69	6.57	2.6	0.368	2.5	
0.34	2 76	15	0 12956	0.34	6.48	15	0.363	15	
0.04	2.70	1.0	0.12000	0.5	6.71	1.0	0.375	1.0	
0.40	2.07	1.5	0.12007	0.5	6.74	1.9	0.373	1.3	
0.05	2.00	1.7	0.12974	0.00	0.74	1.0	0.377	1.7	
0.24	2.72	1.4	0.12991	0.25	0.0	1.5	0.308	1.4	
0.74	2.67	1.8	0.12994	0.74	6.71	2	0.374	1.8	
0.58	2.53	1.5	0.13011	0.62	7.09	1.7	0.395	1.5	
0.83	7.03	2.8	0.13073	0.96	2.56	2.9	0.142	2.8	
0.77	2.9	2.5	0.13081	0.78	6.21	2.7	0.344	2.5	
0.43	2.81	1.5	0.13133	0.59	6.44	1.7	0.356	1.5	
0.49	3.06	1.8	0.13392	0.78	6.04	2	0.327	1.8	
0.51	2.63	1.6	0,1303	0.52	6.84	1.7	0.381	1.6	
0.34	2 71	22	0 12919	0.36	6.58	22	0.37	22	
0.35	2.71	<u> </u>	0 12000	0.00	6.6	<u></u> 2	0.368	10	
0.00	2.71	1.0	0.12036	0.33	6.49	16	0.363	1.5	
0.0	2.75	1.0	0.12005	0.00	6 4 4	1.0	0.303	1.0	
0.00	2.13	1.0 4 F	0.10020	0.30	0.44	1.J 4 F	0.009	1.0	
0.31	2.84	1.5 4 0	0.13107	0.51	0.30	1.D	0.352	C.I	
0.45	2.87	ΰ.δ	0.13089	0.46	0.29	1.9	0.348	β.Γ	
0.39	2.75	1.5	0.13221	0.69	6.62	1.6	0.363	1.5	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.31	2.94	1.4	0.12962	0.34	6.09	1.5	0.341	1.4
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.56	3.12	1.6	0.13303	1.08	5.89	1.9	0.321	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.35	3.33	2.1	0.13088	0.44	5.42	2.1	0.3	2.1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.56	3.87	4.8	0.12966	0.96	4.62	4.9	0.259	4.8
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.44	2.614	1.2	0.1284	0.46	6.77	1.3	0.3825	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.26	2.728	1	0.1292	0.27	6.53	1.1	0.3666	1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.22	2.67	1	0.1294	0.22	6.68	1	0.3745	1
1.062.8371.10.13151.346.391.70.35241.11.623.6651.60.13092.434.932.90.27291.60.72.5971.50.12790.726.791.60.38511.50.62.6141.40.12860.616.781.50.38251.40.532.6661.90.12870.546.651.90.3751.90.452.5931.20.1290.486.661.30.38661.20.532.6691.30.12920.576.671.40.37471.30.492.6561.30.12970.626.791.50.37971.40.562.6191.30.12970.676.831.40.38191.30.622.6521.40.12970.676.831.40.37781.40.42.6561.20.13010.426.751.20.37661.20.652.6331.40.13040.616.831.50.37721.40.62.6331.40.13040.556.741.50.37721.40.622.5361.40.12850.716.741.60.38051.40.622.5361.40.12850.716.741.60.38051.40.622.5361.40.12850.716.741.60.38051.4	0.28	2.751	1.1	0.1305	0.35	6.54	1.1	0.3635	1.1
1.623.6651.60.13092.434.932.90.27291.60.72.5971.50.12790.726.791.60.38511.50.62.6141.40.12860.616.781.50.38251.40.532.6661.90.12870.546.651.90.3751.90.452.5931.20.1290.486.861.30.38561.20.532.6691.30.12920.576.671.40.37471.30.492.6561.30.12970.576.831.40.38191.30.62.6341.40.12970.576.831.40.38191.30.622.6521.40.12980.636.751.20.37661.20.652.6331.40.13010.746.811.60.37981.40.622.6511.40.13040.656.741.50.37721.40.632.6511.40.12830.676.971.60.39431.40.622.5361.40.12850.716.741.60.38051.40.632.6521.40.12870.786.791.70.38271.50.692.6131.50.12870.786.791.70.38271.50.692.6671.40.12860.716.741.60.38051.4 <td>1.06</td> <td>2.837</td> <td>1.1</td> <td>0.1315</td> <td>1.34</td> <td>6.39</td> <td>1.7</td> <td>0.3524</td> <td>1.1</td>	1.06	2.837	1.1	0.1315	1.34	6.39	1.7	0.3524	1.1
1.62 3.665 1.6 0.1309 2.43 4.93 2.9 0.2729 1.6   0.7 2.597 1.5 0.1279 0.72 6.79 1.6 0.3851 1.5   0.6 2.614 1.4 0.1287 0.54 6.65 1.9 0.375 1.9   0.45 2.593 1.2 0.129 0.48 6.86 1.3 0.3856 1.2   0.53 2.669 1.3 0.1292 0.57 6.67 1.4 0.3747 1.3   0.6 2.634 1.4 0.1297 0.62 6.79 1.5 0.3777 1.4   0.56 2.619 1.3 0.1297 0.57 6.83 1.4 0.3819 1.3   0.62 2.652 1.4 0.1298 0.63 6.75 1.2 0.3765 1.2   0.65 2.633 1.4 0.1301 0.74 6.81 1.6 0.3798 1.4   0.62 2.536 1.4 0.1304 0.55 6.74 1.5 0.3749 1.4   0.63									
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.62	3.665	1.6	0.1309	2.43	4.93	2.9	0.2729	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.7	2.597	1.5	0.1279	0.72	6.79	1.6	0.3851	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.6	2.614	1.4	0.1286	0.61	6.78	1.5	0.3825	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.53	2.666	1.9	0.1287	0.54	6.65	1.9	0.375	1.9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.45	2.593	1.2	0.129	0.48	6.86	1.3	0.3856	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.53	2.669	1.3	0.1292	0.57	6.67	1.4	0.3747	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.49	2.656	1.3	0.1293	0.49	6.71	1.3	0.3765	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.6	2 634	14	0 1297	0.62	6 79	1.5	0 3797	14
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.56	2 619	1.3	0 1297	0.57	6.83	14	0.3819	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.60	2.652	1.0	0.1207	0.63	6.75	1.4	0.0010	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.02	2.052	1.7	0.1200	0.00	6.75	1.0	0.3766	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.4	2.000	1.2	0.1301	0.42	6.75	1.2	0.3700	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.05	2.033	1.4	0.1301	0.74	0.01	1.0	0.3790	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.0	2.033	1.4	0.1304	0.61	0.83	1.5	0.3798	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.55	2.667	1.4	0.1304	0.55	6.74	1.5	0.3749	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.63	2.651	1.4	0.1306	0.63	6.79	1.5	0.3772	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.62	2 536	14	0 1283	0.67	6 97	16	0 3043	14
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.65	2.000	1.4	0.1205	0.07	6.74	1.0	0.3805	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00	2.020	1.7	0.1200	0.71	6.61	1.0	0.3725	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00	2.004	1.5	0.1200	0.0	6.70	1.7	0.3725	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.69	2.013	1.5	0.1207	0.76	0.79	1.7	0.3027	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.59	2.67	1.3	0.1294	0.63	6.68	1.5	0.3746	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.63	2.588	1.4	0.1296	0.68	6.91	1.6	0.3864	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.75	2 653	15	0 1267	0.8	6 58	17	0.377	15
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.99	2 714	1 9	0 1275	1 24	6.48	23	0.3684	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00	2.685	1.0	0.1270	0.94	6 57	10	0.3725	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.04	2.005	1.7	0.120	0.54	6.69	1.5	0.3725	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.54	2.040	1.3	0.1203	0.55	0.00	1.4	0.3770	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.0	2.091	1.7	0.1200	0.52	0.00	1.0	0.3710	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.86	2.689	1.3	0.1286	0.87	0.0	1.0	0.3719	1.3
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.91	2.617	1.8	0.1286	1.14	6.78	2.1	0.3821	1.8
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.45	2.712	1.2	0.1287	0.45	6.54	1.3	0.3688	1.2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.63	2.671	1.5	0.1289	0.63	6.66	1.6	0.3744	1.5
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.43	2.693	1.2	0.1289	0.44	6.6	1.3	0.3713	1.2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.23	2.619	1.5	0.129	1.24	6.79	1.9	0.3818	1.5
0.532.6381.30.12970.546.781.40.37911.30.582.7081.40.12980.596.611.50.36931.40.422.7211.50.12980.436.581.50.36761.50.42.6771.20.130.416.691.20.37361.20.672.7111.50.130.726.611.70.36881.5	0.6	2.71	1.4	0.1295	0.62	6.59	1.5	0.369	1.4
0.582.7081.40.12980.596.611.50.36931.40.422.7211.50.12980.436.581.50.36761.50.42.6771.20.130.416.691.20.37361.20.672.7111.50.130.726.611.70.36881.5	0.53	2.638	1.3	0.1297	0.54	6.78	1.4	0.3791	1.3
0.422.7211.50.12980.436.581.50.36761.50.42.6771.20.130.416.691.20.37361.20.672.7111.50.130.726.611.70.36881.5	0.58	2.708	1.4	0.1298	0.59	6.61	1.5	0.3693	1.4
0.42.6771.20.130.416.691.20.37361.20.672.7111.50.130.726.611.70.36881.5	0.42	2.721	1.5	0.1298	0.43	6.58	1.5	0.3676	1.5
0.67 2.711 1.5 0.13 0.72 6.61 1.7 0.3688 1.5	0.4	2.677	1.2	0.13	0.41	6.69	1.2	0.3736	1.2
	0.67	2.711	1.5	0.13	0.72	6.61	1.7	0.3688	1.5

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.59	2.669	1.4	0.13	0.61	6.72	1.5	0.3747	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.58	2.686	1.3	0.1304	0.6	6.69	1.5	0.3723	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.69	2.774	1.4	0.1307	0.69	6.5	1.6	0.3605	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.56	2.582	1.3	0.1317	0.56	7.03	1.4	0.3873	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.68	2.618	1.5	0.1319	0.72	6.95	1.6	0.382	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.83	2 622	17	0 1321	0.95	6.95	2	0 3814	17
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0.68	2 55	1.5	0 1323	0.78	7 16	17	0.3922	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00	2 586	1.0	0.1326	0.42	7.10	1.7	0.3867	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.41	2,300	1.1	0.1320	0.42	6.61	1.2	0.3612	1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.51	2.703	1.5	0.1327	0.05	6.75	2.1	0.3697	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.04	2.712	ے 1 ہ	0.1327	0.03	6.00	2.1	0.3007	ے 1 ہ
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.02	2.017	1.4	0.1327	0.77	0.99	1.0	0.3021	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.02	2.000	1.7	0.1327	0.07	0.00	1.9	0.3731	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.82	2.038	1.7	0.1327	0.94	0.94	1.9	0.3791	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.57	2.624	1.3	0.1331	0.58	6.99	1.5	0.3812	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.63	2.577	1.4	0.1334	0.67	7.14	1.6	0.3881	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.61	2.596	1.4	0.1338	0.62	7.11	1.5	0.3853	1.4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.75	2.636	1.6	0.1347	0.77	7.04	1.8	0.3794	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.99	2.841	1.8	0.1332	1.06	6.46	2.1	0.352	1.8
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.63	2.948	1.4	0.1333	0.7	6.24	1.6	0.3392	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.82	2.568	1.4	0.1328	0.89	7.13	1.7	0.3894	1.4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.83	2.56	1.5	0.1352	1.14	7.28	1.9	0.3906	1.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.91	2.568	1.5	0.1342	0.95	7.2	1.8	0.3895	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.99	2.772	1.6	0.1312	1.18	6.53	2	0.3607	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.63	2.849	1.1	0.1324	0.99	6.41	1.5	0.351	1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.96	2 864	1.5	0.13	1 22	6.26	2	0.3492	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.84	2.5	1.0	0 1292	0.91	7 13	17	0.3999	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.96	2 506	1.1	0.1331	1.06	7.33	2	0.3991	1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00	2 532	1.7	0 1329	0.82	7.24	16	0.395	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.0	2.002	1.4	0.1352	0.85	6.88	1.0	0.3601	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.70	2.71	1.7	0.1334	0.00	7 1	1.0	0.386	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.05	2.391	1.1	0.1334	0.74	6.69	1.4	0.3637	1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.0	2.749	1 2	0.1332	1.22	6.00	1.2	0.3037	10
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.72	2.040	1.2	0.1314	1.52	0.04	1.0	0.3777	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00	2.030	1.1	0.1331	0.72	0.90	1.3	0.3795	1.1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.94	2.601	1.6	0.131	1.05	6.95	1.9	0.3845	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.54	2.574	1	0.1309	0.63	7.01	1.2	0.3884	1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.71	2.606	1.2	0.1319	0.76	6.98	1.4	0.3837	1.2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.8	2.53	1.3	0.1326	0.84	7.23	1.6	0.3953	1.3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.82	2.608	1.5	0.1295	3.27	6.85	3.6	0.3835	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2.69	2	0.1269	2.39	6.49	3.1	0.371	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2.77	3.1	0.1274	0.81	6.34	3.2	0.361	3.1
2.7 1.1 0.1293 0.61 6.61 1.2 0.371 1.1   2.8 1 0.1311 0.6 6.45 1.2 0.357 1   2.65 1.4 0.1344 0.52 6.99 1.5 0.377 1.4   2.64 1.8 0.1352 1.13 7.05 2.1 0.378 1.8   2.53 1.4 0.1356 0.72 7.4 1.6 0.396 1.4		2.97	1.6	0.1291	0.51	5.99	1.7	0.337	1.6
2.810.13110.66.451.20.35712.651.40.13440.526.991.50.3771.42.641.80.13521.137.052.10.3781.82.531.40.13560.727.41.60.3961.4		2.7	1.1	0.1293	0.61	6.61	1.2	0.371	1.1
2.651.40.13440.526.991.50.3771.42.641.80.13521.137.052.10.3781.82.531.40.13560.727.41.60.3961.4		2.8	1	0.1311	0.6	6.45	1.2	0.357	1
2.641.80.13521.137.052.10.3781.82.531.40.13560.727.41.60.3961.4		2.65	1.4	0.1344	0.52	6.99	1.5	0.377	1.4
2.53 1.4 0.1356 0.72 7.4 1.6 0.396 1.4		2.64	1.8	0.1352	1.13	7.05	2.1	0.378	1.8
		2.53	1.4	0.1356	0.72	7.4	1.6	0.396	1.4

	3.9	3.7	0.1252	4.95	4.43	6.2	0.256	3.7
	3.58	1.3	0.1258	1.36	4.85	1.9	0.279	1.3
	2.59	1	0.129	1.05	6.85	1.5	0.385	1
	1.92	1.8	0.1317	0.79	9.46	2	0.521	1.8
	2.76	1.2	0.1318	1.09	6.58	1.7	0.362	1.2
	2.93	1.1	0.1321	0.69	6.22	1.3	0.342	1.1
	3.24	1.3	0.1353	2.27	5.76	2.6	0.309	1.3
	3	1.3	0.1301	0.83	5.99	1.5	0.334	1.3
0.44	2.738	5.1	0.128	0.56	6.45	5.1	0.365	5.1
0.38	2.809	2	0.1286	0.38	6.31	2	0.356	2
0.34	2.678	2.2	0.1288	0.37	6.63	2.2	0.373	2.2
0.99	2.654	2.1	0.1288	1.05	6.69	2.3	0.377	2.1
0.83	2.802	5.5	0.1289	0.89	6.34	5.5	0.357	5.5
1.42	2.77	2.4	0.129	1.46	6.42	2.8	0.361	2.4
0.33	2.714	2	0.1291	0.36	6.56	2	0.369	2
0.29	2.877	2	0.1293	0.35	6.19	2	0.348	2
0.25	2.855	2	0.1294	0.32	6.25	2	0.35	2
0.38	2.715	2	0.1296	0.39	6.58	2.1	0.368	2
0.55	2.719	2	0.1304	0.65	6.61	2.1	0.368	2
2.05	0.007	2.6	0 4005	0.44	6 56	2.2	0.250	2.6
2.05	2.807	2.0	0.1335	2.11	0.00	3.3	0.350	2.0
0.76	2.358	0.0	0.1337	1.17	7.82	0.0	0.424	0.0
0.43	2.011	2	0.1341	0.48	7.08	2.1	0.383	2
0.43	2.731	2	0.1344	0.47	0.79	2.1	0.300	2
0.5	2.715	2.1	0.1348	0.56	0.85	2.1	0.368	2.1
1.34	2.982	4.3	0.1281	1.57	5.92	4.6	0.335	4.3
4.31	3.083	5.5	0.1292	4.34	5.78	7	0.324	5.5
	2.457	2.4	0.1324	2	7.43	3.1	0.4071	2.4
	2.412	2.4	0.1342	1.5	7.67	2.9	0.4145	2.4
	2.42	2.7	0.1343	1.8	7.65	3.2	0.4132	2.7
	2.412	2.5	0.135	1.9	7.72	3.1	0.4145	2.5
	2.53	1.7	0.1351	0.8	7.36	1.9	0.3952	1.7
	2.515	2.5	0.1369	1.7	7.51	3.1	0.3976	2.5
	2.427	2.1	0.1372	1.1	7.79	2.4	0.4121	2.1
	2.402	2	0.1379	1.1	7.92	2.3	0.4164	2
	2.478	2.1	0.1395	0.7	7.76	2.3	0.4036	2.1
	2.508	2.2	0.14	1.1	7.7	2.4	0.3987	2.2
	2 464	25	0 1/12	15	70	20	0 4050	25
	2.404	2.5	0.1412	1.5	8.08	2.9	0.4059	2.5
	2.412	2.2	0.1414	1.3	0.00 9.46	2.0	0.4145	2.2
	2.309	2.1 2 E	0.1417	1.0	0.40 7.01	ა.ა ი ი	0.400	2.1 2.5
	2.401 2.404	2.D	0.1422	G.I	1.91 0.10	2.9	0.4031	2.5
	2.404	∠.4	0.1420	1.4	0.19	2.1	0.4139	2.4
	2.002	2.1	0.1428	1.Z	1.12	2.4	0.3910	2.1
	2.450	2.3	0.143	1.5	0.UJ	2.1	0.4072	2.3
	2.462	2.5	0.1431	1.7	8.01	3	0.4061	2.5
	2.436	2.3	0.1441	1.3	8.15	2.7	0.4105	2.3
	2.412	2.9	0.1444	2.2	8.25	3.6	0.4146	2.9

2.389	2.2	0.1444	1.4	8.34	2.6	0.4186	2.2
2.472	2.1	0.1459	1.4	8.14	2.5	0.4045	2.1
2.432	3.3	0.1266	3.9	7.18	5.1	0.4112	3.3
2.394	2.8	0.1315	2.2	7.57	3.5	0.4177	2.8
2.471	2.1	0.1401	2	7.82	2.9	0.4046	2.1
2.7	1.6	0.1272	0.92	6.5	1.9	0.371	1.6
2.66	1.2	0.1278	0.47	6.62	1.3	0.376	1.2
2.68	1.3	0.1288	0.53	6.63	1.4	0.374	1.3
2.58	2.1	0.1293	1.09	6.91	2.3	0.387	2.1
2.76	2.1	0.1295	1.08	6.47	2.4	0.363	2.1
2.7	1.7	0.1317	1.62	6.73	2.3	0.371	1.7
2.74	1.2	0.1326	0.44	6.68	1.3	0.365	1.2
2.63	1.4	0.1345	0.56	7.05	1.5	0.38	1.4
2.73	2.2	0.1374	1.59	6.94	2.7	0.366	2.2
4.37	1.1	0.0859	0.54	2.71	1.2	0.229	1.1
5.39	1.4	0.0781	0.58	2	1.5	0.186	1.4
4.81	1.9	0.0904	0.76	2.59	2	0.208	1.9
5.86	2.4	0.1286	0.52	3.03	2.5	0.171	2.4
2.92	1.1	0.1295	0.38	6.12	1.2	0.343	1.1
2.86	1.2	0.1323	0.45	6.38	1.3	0.35	1.2
3	1.8	0.1348	0.41	6.2	1.9	0.334	1.8
2.81	1.4	0.1389	0.62	6.81	1.5	0.356	1.4
2.79	1.6	0.1414	2.26	6.98	2.8	0.358	1.6
	1.2	0.1286	0.45	6.59	1.3	0.372	1.2
2.79	1.6	0.1319	0.84	6.51	1.8	0.358	1.6
2.62	1.5	0.1323	0.71	6.97	1.7	0.382	1.5
2.76	3.5	0.1324	1.25	6.62	3.7	0.363	3.5
2.59	1.3	0.1354	0.48	7.2	1.4	0.386	1.3
2.68	1.5	0.1391	0.66	7.15	1.6	0.373	1.5
2.52	1.7	0.1395	0.82	7.62	1.9	0.396	1.7
2.71	2.1	0.1259	2.33	6.4	3.1	0.369	2.1
5.47	2.3	0.1302	0.55	3.28	2.3	0.183	2.3
3.19	1.1	0.1316	0.41	5.69	1.2	0.313	1.1
2.96	1.2	0.132	0.46	6.16	1.2	0.338	1.2
3.25	2	0.1324	1.1	5.62	2.3	0.308	2
3.05	1.2	0.1341	1.04	6.06	1.6	0.328	1.2
2.75	1.6	0.1356	1	6.81	1.9	0.364	1.6
2.71	2.7	0.1367	2.1	6.96	3.4	0.369	2.7
2.62	2.4	0.1369	1.5	7.21	2.8	0.382	2.4
2.64	2.1	0.1377	1.4	7.2	2.6	0.379	2.1
2.59	1.8	0.13//	0.8	7.34	2	0.386	1.8
2.62	2.2	0.13/8	1.3	1.24	2.0	0.381	2.2
2.59	J.∠ 1 ∩	U. 1302 0 1202	1./	1.30	3.0 2.4	U.300 0.200	J.∠ 1 ∩
2.52	1.9	0.1393	0.0 0 0	1.01 7.40	۲.۱ ۲	0.390	1.9
2.00	1.9	0.1390	0.0	1.40	2	0.000	1.9

0.5 1.49 1.2 1.01 0.73 1.11 1.17 0.81 0.79

0.87	2.61	2	0.1403	0.9	7.4	2.2	0.383	2
1.02	2.52	2.1	0.141	1.2	7.72	2.4	0.397	2.1
0.68	2.58	1.8	0.1415	0.7	7.55	1.9	0.387	1.8
1 31	2 99	27	0 1336	14	6 15	З	0 334	27
0.68	2.33	17	0.1358	1.7	4.86	21	0.004	17
0.00	2.00	1.7	0.1350	1.2	4.00	2.1	0.20	1.7
0.07	3.11	2	0.1300	2	0.00	2.0	0.322	4 0
0.07	3.21	1.9	0.1301	1.2	5.93	2.3	0.311	1.9
0.69	3.02	1.8	0.1386	1.4	6.32	2.3	0.331	1.8
0.88	2.62	2	0.1389	2	7.31	2.8	0.382	2
1.3	2.88	2.4	0.1391	1.6	6.66	2.9	0.347	2.4
0.67	2.72	1.7	0.1401	0.8	7.1	1.9	0.368	1.7
0.85	2.86	1.9	0.1405	0.9	6.78	2.1	0.35	1.9
0.45	3.88	1.6	0.1434	1	5.09	1.8	0.258	1.6
0.66	2.54	1.6	0.1333	0.7	7.25	1.7	0.394	1.6
0.69	2.57	1.6	0.1334	0.74	7.16	1.8	0.389	1.6
0.85	2.65	1.8	0.1337	0.95	6.96	2	0.378	1.8
0.57	2.6	2	0.1337	0.58	7.08	2.1	0.384	2
0.7	2.62	1.6	0.1337	0.84	7.03	1.8	0.381	1.6
0.94	2.65	1.5	0.1346	1.13	7	1.9	0.377	1.5
0.87	2.6	2.3	0 1354	1	7 17	2.5	0.384	2.3
0.56	2 58	15	0 1358	0.58	7 25	1.6	0.387	15
0.00	2.00	1.0	0.1361	0.00	6.91	1.0	0.368	1.0
0.72	2.72	1.0	0.1364	0.74	7 13	1.0	0.300	1.0
0.0	2.04	1.7	0.1304	1.03	7.13	1.3	0.373	1.7
0.99	2.43	1.9	0.1401	1.03	7.94	2.2	0.411	1.9
0.9	2.38	1.9	0.1423	I	8.24	Ζ.Ι	0.42	1.9
0.86	2.89	1.7	0.1311	1.14	6.25	2	0.346	1.7
15	2.42	7.7	0.145	23	8.25	24.5	0.413	7.7
0.67	2.81	1.6	0.1268	0.76	6.22	1.7	0.356	1.6
0.6	2.78	1.5	0.1269	0.65	6.3	1.6	0.36	1.5
0.48	2.85	1.7	0.1281	0.53	6.21	1.8	0.351	1.7
1.09	2.69	1.5	0.1286	1.1	6.58	1.9	0.371	1.5
0.48	2.85	1.4	0.1287	0.53	6.23	1.5	0.351	1.4
0.34	2.62	1.4	0.1289	0.43	6.79	1.4	0.382	1.4
0.85	2.77	1.5	0.1295	0.86	6.45	1.7	0.361	1.5
0.89	2.78	1.7	0.1295	0.91	6.43	1.9	0.36	1.7
0.55	2.63	1.5	0.1296	0.55	6.8	1.6	0.381	1.5
0.48	2.86	1.4	0.1297	0.49	6.27	1.5	0.35	1.4
0.44	2.81	1.4	0.1298	0.44	6.38	1.5	0.356	1.4
0.36	2 50	1 /	0 121	0.53	6.06	15	0 395	1 /
0.50	2.09	1.4	0.131	0.55	7.41	1.5	0.303	1.4
0.00	2.49	1.0	0.134	0.70	7.41	1.7	0.401	1.0
0.0	2.59	1.5	0.1340	0.0	(.)( C 75	1.0	0.360	1.5
0.88	2.16	1.7	0.1351	0.97	0.75	2	0.362	1.7
0.63	3.16	1.5	0.1275	1	5.57	1.8	0.317	1.5
0.47	3.02	1.4	0.1281	0.78	5.86	1.6	0.332	1.4
0.4	2.94	1.4	0.1289	0.48	6.05	1.5	0.34	1.4
0.45	2.95	1.4	0.1295	0.53	6.06	1.5	0.339	1.4

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.48	2.87	1.4	0.1308	0.76	6.28	1.6	0.348	1.4
$  \begin{array}{ccccccccccccccccccccccccccccccccccc$	0.47	3.33	1.4	0.131	1.43	5.43	2	0.301	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.35	2.62	5.7	0.132	1.5	6.95	5.9	0.382	5.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.1	3.16	1.7	0.1321	1.65	5.77	2.3	0.317	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.68	3.1	2.2	0.134	0.93	5.97	2.4	0.323	2.2
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1.97	3.05	2.2	0.1358	1.99	6.15	3	0.328	2.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
0.51 2.61 1.6 0.1292 0.53 6.83 1.7 0.384 1.6             0.57 2.63 1.7 0.1303 0.65 6.84 1.8 0.381 1.7             0.48 6.95 1.6 0.387 1.6             0.48 6.95 1.6 0.387 1.6             0.45 2.63 1.6 0.1296 0.86 6.73 1.8 0.377 1.6             0.52 2.65 1.6 0.1296 0.86 6.73 1.8 0.377 1.6             0.52 2.65 1.6 0.1296 0.84 6.55 1.6 0.365 1.5             0.35 2.81 1.5 0.1306 0.43 6.4 1.6 0.355 1.5             0.39 2.78 1.5 0.132 0.61 6.55 1.6 0.36 1.5             0.41 2.83 1.5 0.132 0.61 6.55 1.6 0.36 1.5             0.41 2.83 1.5 0.132 0.61 6.55 1.6 0.36 1.5             0.41 2.83 1.5 0.132 0.61 6.43 1.6 0.356 1.5             0.41 2.83 1.5 0.132 0.61 6.43 1.6 0.367 1.7             0.41 2.83 1.5 0.132 0.61 6.43 1.6 0.367 1.7             0.96 2.77 1.6 0.1315 0.42 6.02 1.5 0.334 1.5             0.32 0.99 1.5 0.1305 0.42 6.02 1.5 0.334 1.5             0.387 1.7 0.305 1.45 6.61 2.3 0.367 1.7             0.96 2.77 1.6 0.1311 2.12 6.52 2.6 0.36 1.6             0.381 1.8             1.32 5.32 1.6 0.1393 4.22 3.61 4.5 0.188 1.6             0.68 2.71 1.5 0.1309 0.93 6.66 1.8 0.369 1.5             0.33 2.76 1.5 0.1315 0.64 6.58 1.6 0.363 1.5             0.33 2.76 1.5 0.1315 0.64 6.58 1.6 0.363 1.5             0.33 3.16 1.7 0.1295 0.36 5.65 1.8 0.316 1.7             1.41 6.39 2.7 0.123 3.53 2.66 4.4 0.157 2.7             0.35 3.77 1.8 0.1315 0.65 6.91 1.7 0.381 1.7             2.81 1.4 0.1299 0.3 6.36 1.5 0.355 1.4             1.5 0.1273 0.4 4.52 1.6 0.332 1.5             0.36 1.5 0.355 1.4             1.4 0.1299 0.3 6.36 1.5 0.355 1.4             1.4 0.1299 0.3 6.36 1.5 0.355 1.4             1.5 0.1273 0.4 4.52 1.6 0.257 1.5             3.59 1.6 0.125 0.41 3.68 1.5 0.214 1.5             6.5 2 0.1211 0.43 2.98 2 0.179 2             3.88 1.5 0.1273 0.4 4.52 1.6 0.257 1.5             3.59 1.6 0.1271 0.79 4.88 1.7 0.278 1.6             0.41 2.64 1.7 0.1299 0.43 6.79 1.8 0.379 1.7            0.34 1.6            0.41 2.64 1.7 0.1299 0.43 6.79 1.8 0.379 1.7            0.44 2.6	0.56	2.6	1.5	0.1299	0.62	6.9	1.6	0.385	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.51	2.61	1.6	0.1292	0.53	6.83	1.7	0.384	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.57	2.63	1.7	0.1303	0.65	6.84	1.8	0.381	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.48	2.58	1.6	0.1302	0.48	6.95	1.6	0.387	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.45	2.63	1.6	0.1288	0.46	6.76	1.6	0.381	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.52	2.65	1.6	0.1296	0.86	6.73	1.8	0.377	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.35	2.81	1.5	0.1306	0.43	6.4	1.6	0.355	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.58	2.45	1.5	0.1311	0.74	7.39	1.7	0.409	1.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.39	2.78	1.5	0.132	0.61	6.55	1.6	0.36	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.41	2.83	1.5	0.1321	0.6	6.43	1.6	0.353	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.11	2.00		002.	0.0	0.10		0.000	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.43	3.45	1.8	0.138	2.14	5.51	2.8	0.29	1.8
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.3	2.99	1.5	0.1305	0.42	6.02	1.5	0.334	1.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.61	2.72	1.7	0.1305	1.45	6.61	2.3	0.367	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.96	2.77	1.6	0.1311	2.12	6.52	2.6	0.36	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2.64	2.63	1.8	0.135	5.82	7.09	6.1	0.381	1.8
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1.32	5.32	1.6	0.1393	4.22	3.61	4.5	0.188	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.68	2.71	1.5	0.1309	0.93	6.66	1.8	0.369	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.33	2 76	1.5	0 1315	0.64	6 58	16	0.363	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.36	3 45	1.5	0 1278	0.72	5 11	1.6	0.29	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.33	3 16	1.0	0 1295	0.36	5.65	1.0	0.316	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	1 41	6.39	27	0 123	3 53	2.66	44	0.157	27
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.35	3 77	1.8	0.120	0.65	4.81	1 Q	0.265	1.8
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.00	0.11	1.0	0.1010	0.00	4.01	1.0	0.200	1.0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2.85	1.6	0.1325	0.65	6.4	1.7	0.351	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2.62	1.5	0.13	0.57	6.85	1.6	0.382	1.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2.67	1.5	0.1303	0.31	6.72	1.5	0.374	1.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		2.62	1.7	0.1315	0.56	6.91	1.7	0.381	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2.81	1.4	0.1299	0.3	6.36	1.5	0.355	1.4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				0	010	0.00			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		5.6	2	0.1211	0.43	2.98	2	0.179	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		3.88	1.5	0.1273	0.4	4.52	1.6	0.257	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		2.99	1.6	0.1295	0.69	5.97	1.7	0.334	1.6
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		4.68	1.5	0.125	0.41	3.68	1.5	0.214	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		6.5	2	0.1219	1.52	2.58	2.5	0.154	2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		4	1.5	0.1268	0.53	4.37	1.6	0.25	1.5
8.92   2   0.1226   4.5   1.89   4.9   0.112   2     0.39   2.72   1.6   0.1308   0.41   6.63   1.6   0.367   1.6     0.41   2.64   1.7   0.1299   0.43   6.79   1.8   0.379   1.7     0.42   2.71   1.6   0.1328   0.69   6.76   1.7   0.369   1.6     0.36   2.68   1.5   0.1313   0.37   6.76   1.6   0.373   1.5     0.41   2.63   1.6   0.1311   0.68   6.87   1.7   0.38   1.6		3.59	1.6	0.1271	0.79	4.88	1.7	0.278	1.6
0.39 2.72 1.6 0.1308 0.41 6.63 1.6 0.367 1.6   0.41 2.64 1.7 0.1299 0.43 6.79 1.8 0.379 1.7   0.42 2.71 1.6 0.1328 0.69 6.76 1.7 0.369 1.6   0.36 2.68 1.5 0.1313 0.37 6.76 1.6 0.373 1.5   0.41 2.72 1.5 0.1299 0.48 6.58 1.6 0.367 1.5   0.41 2.63 1.6 0.1311 0.68 6.87 1.7 0.38 1.6		8.92	2	0.1226	4.5	1.89	4.9	0.112	2
		<b>.</b>	-						-
0.412.641.70.12990.436.791.80.3791.70.422.711.60.13280.696.761.70.3691.60.362.681.50.13130.376.761.60.3731.50.412.721.50.12990.486.581.60.3671.50.412.631.60.13110.686.871.70.381.6	0.39	2.72	1.6	0.1308	0.41	6.63	1.6	0.367	1.6
0.422.711.60.13280.696.761.70.3691.60.362.681.50.13130.376.761.60.3731.50.412.721.50.12990.486.581.60.3671.50.412.631.60.13110.686.871.70.381.6	0.41	2.64	1.7	0.1299	0.43	6.79	1.8	0.379	1.7
0.362.681.50.13130.376.761.60.3731.50.412.721.50.12990.486.581.60.3671.50.412.631.60.13110.686.871.70.381.6	0.42	2.71	1.6	0.1328	0.69	6.76	1.7	0.369	1.6
0.412.721.50.12990.486.581.60.3671.50.412.631.60.13110.686.871.70.381.6	0.36	2.68	1.5	0.1313	0.37	6.76	1.6	0.373	1.5
0.41 2.63 1.6 0.1311 0.68 6.87 1.7 0.38 1.6	0.41	2.72	1.5	0.1299	0.48	6.58	1.6	0.367	1.5
	0.41	2.63	1.6	0.1311	0.68	6.87	1.7	0.38	1.6

0.35	2.8	1.5	0.1308	0.56	6.44	1.6	0.357	1.5
0.37	2.66	1.5	0.1304	0.37	6.77	1.6	0.376	1.5
0.52	2.66	1.6	0.1307	0.63	6.77	1.7	0.376	1.6
0.35	2.69	1.5	0.1305	0.37	6.68	1.5	0.371	1.5
0.65	2.68	1.5	0.13	0.66	6.68	1.6	0.373	1.5
0.56	2.67	1.5	0.1305	0.59	6.75	1.6	0.375	1.5
0.34	2.62	1.5	0.1296	0.35	6.82	1.5	0.382	1.5
0.45	0.0	1.0	0.400	0.00	5.05	4.0	0.040	4.0
0.45	3.2	1.0	0.136	0.83	5.85	1.8	0.312	1.0
0.37	2.61	1.6	0.1387	1.06	7.32	1.9	0.382	1.6
0.4	2.72	1.2	0.1311	0.49	6.64	1.3	0.367	1.2
0.62	2.91	1.1	0.1298	0.63	6.16	1.3	0.344	1.1
0.43	2.6	1.2	0.1312	0.45	6.97	1.3	0.385	1.2
0.37	2.58	1.2	0.1318	0.45	7.05	1.3	0.388	1.2
0.58	2.57	1.4	0.1316	0.63	7.06	1.5	0.389	1.4
0.68	2.56	1.2	0.1324	0.73	7.13	1.4	0.39	1.2
0.41	2.67	1.2	0.13	0.44	6.7	1.3	0.374	1.2
0.4	2.79	1.2	0.1322	0.42	6.53	1.2	0.358	1.2
0.31	2.62	1 1	0 1330	0 32	7.06	12	0 382	1 1
0.01	2.02	1.1	0.1344	0.02	7.00	1.2	0.302	1.1
0.2	2.50	1.0	0.1396	0.38	7.20	1.0	0.399	1.0
0.20	2.01		0.1000	0.00	1.01	1.2	0.000	
0.73	3.17	1.7	0.1318	0.8	5.73	1.9	0.316	1.7
0.51	2.623	1.6	0.13045	0.51	6.86	1.7	0.3813	1.6
0.51	2.583	1.6	0.13033	0.56	6.96	1.7	0.3871	1.6
0.92	2.619	1.6	0.12942	0.92	6.81	1.8	0.3818	1.6
0.42	2.728	1.8	0.13008	0.49	6.58	1.9	0.3666	1.8
0.7	2.662	1.7	0.13012	0.7	6.74	1.9	0.3756	1.7
0.38	2.863	1.5	0.13143	0.45	6.33	1.5	0.3493	1.5
0.5	2.589	1.6	0.12971	0.51	6.91	1.7	0.3863	1.6
0.47	2.625	1.6	0.13055	0.53	6.86	1.6	0.3809	1.6
0.6	2.599	1.7	0.12948	0.67	6.87	1.8	0.3848	1.7
0.61	2.617	1.7	0.13208	0.64	6.96	1.8	0.3822	1.7
0.96	2.637	1.5	0.13199	1.19	6.9	1.9	0.3793	1.5
0.47	2.623	1.5	0.13042	0.54	6.86	1.6	0.3812	1.5
0.63	2.535	1.7	0.12981	0.65	7.06	1.8	0.3945	1.7
0.57	2.492	1.6	0.12944	0.59	7.16	1.7	0.4013	1.6
0.62	2.657	1.7	0.12756	0.81	6.62	1.8	0.3764	1.7
0.48	2.617	1.6	0.13128	0.49	6.92	1.6	0.3821	1.6
0.52	2.678	1.6	0.13214	1.2	6.8	2	0.3735	1.6
1.05	2 728	1.0	0 13433	2 44	6 79	29	0.3666	1.0
	220	1.0	0.10100		0.10	2.0	0.0000	
	2.65	1.08	0.129	0.85	6.72	1.4	0.378	1.08
	2.85	1.06	0.1297	0.95	6.29	1.4	0.351	1.06
	2.58	0.76	0.1312	0.51	7.01	0.9	0.388	0.76
	2.75	0.65	0.1302	0.36	6.52	0.7	0.363	0.65
	2.66	0.65	0.1308	0.62	6.78	0.9	0.376	0.65
	2.86	0.81	0.1309	0.67	6.3	1	0.349	0.81

	2.7	1.46	0.1286	0.67	6.58	1.6	0.371	1.46
	2.76	0.77	0.1328	0.58	6.64	1	0.363	0.77
	2.62	0.8	0.1321	0.59	6.96	1	0.382	0.8
	2.59	1.16	0.1351	0.94	7.19	1.5	0.386	1.16
	2.69	0.94	0.133	0.71	6.82	1.2	0.372	0.94
	2.82	1.13	0.1318	0.54	6.45	1.3	0.355	1.13
	2.68	0.7	0.1318	0.5	6.78	0.9	0.373	0.7
	2.66	1.05	0.132	0.82	6.84	1.3	0.376	1.05
	2.8	0.77	0.1324	0.55	6.53	0.9	0.358	0.77
	2.7	0.76	0.1325	0.52	6.76	0.9	0.37	0.76
	2.42	1.08	0.1452	0.94	8.28	1.4	0.414	1.08
	3.92	0.75	0.1283	0.67	4.52	1	0.255	0.75
	4.5	1.44	0.1259	1.75	3.86	2.3	0.222	1.44
	3.2	1.62	0.1282	0.3	5.53	1.6	0.313	1.62
	4.27	9.17	0.1092	8.4	3.53	12.4	0.234	9.17
	2.91	0.81	0 1303	0.58	6 17	1	0.344	0.81
	3 29	1.06	0 1304	0.54	5 47	12	0.304	1.06
	2.36	1.84	0 1316	0.98	7.68	21	0.423	1.80
	2.00	0.5	0.1311	0.86	0.00	<u> </u>	0.420	0.5
	2 07	0.0	0.1311	0.00	6 15	12	0 337	0.0
	2.37	0.01	0.1323	0.70	5.83	1.2	0.33	0.01
	5.05	0.95	0.1202	0.00	5.65	1.5	0.55	0.95
0.76	2.64	1.7	0.1299	0.79	6.77	1.9	0.378	1.7
0.7	2.64	1.7	0.1292	0.72	6.74	1.8	0.379	1.7
0.57	2.73	1.6	0.1293	0.75	6.52	1.7	0.366	1.6
0.38	2.64	1.5	0.1295	0.43	6.76	1.5	0.378	1.5
0.83	2.61	1.8	0.1283	0.9	6.77	2	0.382	1.8
0.3	2.73	1.4	0.1302	0.35	6.58	1.5	0.367	1.4
0.33	2.65	1.4	0.1299	0.38	6.75	1.5	0.377	1.4
0.43	2.62	1.5	0.1293	0.45	6.81	1.6	0.382	1.5
0.57	2.59	1.6	0.1298	0.57	6.91	1.7	0.386	1.6
0.71	2.63	1.7	0.1295	0.73	6.79	1.8	0.381	1.7
0.72	2.62	1.7	0.1309	0.79	6.88	1.9	0.381	1.7
0.31	2.63	1.4	0.1295	0.31	6.79	1.5	0.38	1.4
0.34	2.69	1.4	0.1297	0.35	6.66	1.5	0.372	1.4
0.29	2.67	1.4	0.1301	0.35	6.72	1.5	0.375	1.4
0.47	2.64	1.5	0.1304	0.51	6.82	1.6	0.379	1.5
0.53	2.63	1.6	0.1287	0.54	6.75	1.6	0.38	1.6
1.42	2.92	1.6	0.1581	2,19	7.47	2.7	0.343	1.6
2 15	2 72	1.5	0 1353	2 65	6.86	3	0.368	1.5
2 25	2 69	2	0 1434	3.28	7 35	38	0.371	2
0.89	2.93	18	0 1339	0.89	6.3	2	0.341	18
0.00	2.00		0.1000	0.00	0.0	-	0.0 11	1.0
0.25	2.677	1.4	0.1301	0.26	6.7	1.4	0.3735	1.4
0.31	2.713	1.5	0.13009	0.38	6.61	1.5	0.3686	1.5
0.3	2.521	1.7	0.13008	0.46	7.12	1.7	0.3967	1.7
0.31	2.635	1.8	0.12978	0.31	6.79	1.8	0.3796	1.8
0.31	2.603	2.2	0.12937	0.33	6.85	2.2	0.3842	2.2
0.24	2.658	1.4	0.12936	0.29	6.71	1.4	0.3762	1.4

0.53	2.759	1.7	0.12938	0.58	6.47	1.8	0.3624	1.7
0.23	2.706	1.4	0.13021	0.25	6.64	1.4	0.3696	1.4
0.3	2.852	2.1	0.12909	0.35	6.24	2.1	0.3507	2.1
0.36	2.678	1.5	0.12978	0.36	6.68	1.5	0.3734	1.5
0.47	2.615	1.9	0.13046	0.6	6.88	2	0.3825	1.9
0.39	2.619	1.5	0.13032	0.4	6.86	1.5	0.3819	1.5
0.44	2.639	1.5	0.13076	0.5	6.83	1.6	0.379	1.5
0.46	2.559	1.8	0.13022	0.56	7.02	1.9	0.3908	1.8
0.44	2.673	1.5	0.12972	0.51	6.69	1.6	0.3741	1.5
0.4	2.55	1.5	0.1302	0.41	7.04	1.6	0.3922	1.5
0.46	2.637	1.6	0.1302	0.47	6.81	1.6	0.3792	1.6
0.43	2.63	1.5	0.13189	0.44	6.91	1.6	0.3802	1.5
0.31	2.748	1.9	0.13004	0.33	6.52	1.9	0.3639	1.9
0.42	2.614	1.6	0.13036	0.61	6.88	1.7	0.3826	1.6
0.76	2.773	1.5	0.13085	0.95	6.51	1.7	0.3606	1.5
0.33	2.564	1.5	0.1329	0.72	7.15	1.6	0.39	1.5
0.83	2.655	1.5	0.12949	1.36	6.72	2	0.3766	1.5
0.27	3.068	1.6	0.13073	0.52	5.88	1.7	0.326	1.6
1.23	2.727	1.5	0.13286	1.73	6.72	2.3	0.3666	1.5
0.37	2.402	1.4	0.1319	0.44	7.57	1.5	0.4163	1.4
1.05	2.602	1.6	0.13366	1.33	7.08	2.1	0.3843	1.6
1.08	2.602	1.6	0.13159	1.42	6.97	2.2	0.3843	1.6
0.45	2.722	0.9	0.1301	0.67	6.59	1.1	0.3674	0.9
0.62	2.625	1.1	0.1294	0.71	6.8	1.3	0.381	1.1
0.74	2.73	1.2	0.1304	0.78	6.58	1.5	0.3663	1.2
0.92	2.724	1.1	0.1311	1.52	6.64	1.9	0.3671	1.1
0.75	2.727	1.3	0.1324	0.77	6.69	1.5	0.3668	1.3
0.59	2.737	1.1	0.132	0.75	6.65	1.3	0.3654	1.1
0.58	2.611	1.1	0.1311	0.87	6.92	1.4	0.3829	1.1
0.64	2.57	1.1	0.1307	0.66	7.01	1.3	0.3891	1.1
0.56	2.671	1	0.1291	0.8	6.67	1.3	0.3745	1
0.45	2.677	0.9	0.1335	0.92	6.88	1.3	0.3736	0.9
0.44	2.643	0.9	0.1291	0.78	6.73	1.2	0.3783	0.9
0.34	2.669	0.7	0.1288	0.45	6.65	0.9	0.3747	0.7
0.56	2.69	1	0.1304	0.57	6.68	1.2	0.3718	1
0.57	2.634	1	0.1314	0.57	6.88	1.2	0.3797	1
0.8	2.635	0.9	0.1307	0.95	6.84	1.3	0.3794	0.9
0.88	2.633	0.9	0.1313	0.88	6.88	1.3	0.3798	0.9
1.32	2.664	1	0.132	1.6	6.83	1.9	0.3753	1
0.37	2.596	0.8	0.1298	0.37	6.89	0.9	0.3852	0.8
0.58	2.774	1.5	0.1284	0.77	6.38	1.7	0.3604	1.5
0.94	2.725	1.6	0.1295	1.05	6.55	1.9	0.367	1.6
0.56	2.644	1	0.1307	0.61	6.82	1.2	0.3782	1
0.41	2.991	2.4	0.1273	0.5	5.87	2.4	0.3344	2.4
	2.8	2.3	0.1299	0.79	6.4	2.4	0.3572	2.3
	2.659	1.6	0.1309	0.72	6.79	1.8	0.3761	1.6
	2.444	1.4	0.1316	0.51	7.43	1.5	0.4092	1.4
	2.684	1	0.1339	0.57	6.88	1.2	0.3726	1

2.497	1.9	0.1358	1.12	7.5	2.2	0.4004	1.9
2.612	2.7	0.1363	0.93	7.2	2.9	0.3828	2.7
3.308	1.3	0.1284	0.63	5.35	1.5	0.3023	1.3
7.13	1.5	0.1291	1.52	2.5	2.1	0.1402	1.5
2.338	1.6	0.1297	1.11	7.65	2	0.4278	1.6
3.225	0.9	0.1304	1.71	5.57	2	0.3101	0.9
5.524	2	0.1324	1.65	3.31	2.6	0.181	2
3.058	1.6	0.1333	1.14	6.01	2	0.3271	1.6
3 866	1.0	0 1334	2 47	4 76	29	0.2587	1.6
6 402	0.9	0 1346	1 33	29	1.6	0 1562	0.9
0.402	0.0	0.1040	1.00	2.0	1.0	0.1002	0.0
2.8	1.1	0.1317	0.95	6.6	1.5	0.36	1.1
22.4	34	0 0959	21	0.6	4	0.04	34
17.7	14	0.0000	6.1	0.8	63	0.06	1 4
13.4	23	0.0000	3.28	1 1	0.0 4	0.00	23
8.1	2.0	0.1032	3.64	1.1	- 1 0	0.07	2.0
11 0	1.2	0.1000	2.67	1.0	ч.5 З	0.12	12
11.5	1.5	0.1171	2.07	1.4	1 2	0.00	1.0
1.7	1.1	0.1243	0.01	10	1.2	0.00	1.1
3.0	2	0.1257	0.00	4.0	2.2	0.20	2
2.3	2.9	0.1275	0.81	7.8	3	0.44	2.9
10.5	4.4	0.1275	1.2	1.7	4.6	0.09	4.4
3.4	3.4	0.1275	1.24	5.2	3.6	0.29	3.4
3.3	4.3	0.1282	4.5	5.3	6.2	0.3	4.3
11.2	12.6	0.1295	19	1.6	22.5	0.09	12.6
4.2	1	0.1309	0.66	4.3	1.2	0.24	1
3	1.4	0.1316	0.6	6.1	1.5	0.33	1.4
10.5	3.3	0.1333	1.42	1.8	3.6	0.1	3.3
3.5	2.2	0.1336	1.29	5.3	2.6	0.29	2.2
7.7	2.4	0.1342	1.08	2.4	2.6	0.13	2.4
2.731	1.3	0.1289	0.64	6.51	1.4	0.366	1.3
2.733	1.7	0.1269	1.05	6.4	2	0.366	1.7
2.731	1.7	0.1266	1.17	6.39	2.1	0.366	1.7
2,699	1.3	0.1291	0.75	6.6	1.5	0.371	1.3
2.69	1.2	0.1291	0.24	6.62	1.2	0.372	1.2
2 779	1.6	0 1303	0.69	6 47	17	0.36	1.6
2 678	1.0	0 1286	0.26	6.62	12	0.373	1.0
2.070	1.2	0.1200	0.20	6.52	1.2	0.368	1.2
2.721	1.7	0.1207	0.04	6.53	1.0	0.367	1.7
2.727	1.3	0.123	0.71	6.47	1.0	0.358	1.5
2.731	1.0	0.131	1 15	7 24	1.0	0.300	1.5
2.000	1.0	0.1010	1.10	7.24	1.0	0.000	1.0
2.563	1.3	0.1339	0.46	7.2	1.4	0.39	1.3
2.575	1.2	0.1343	0.32	7.19	1.3	0.388	1.2
2.455	1.3	0.1374	0.67	7.72	1.5	0.407	1.3
2.671	1.6	0.1271	1.58	6.56	2.3	0.374	1.6
3.893	1.2	0.1258	0.82	4.46	1.5	0.257	1.2
1.593	1.3	0.1314	0.65	11.37	1.5	0.628	1.3
1.941	1.2	0.1305	0.18	9.27	1.2	0.515	1.2

2.364	1.3	0.1299	0.53	7.58	1.4	0.423	1.3
2.56	1.6	0.1302	0.66	7	1.8	0.39	1.6
2.84	1.5	0.1297	0.95	6.31	1.8	0.353	1.5
2.46	1.4	0.1327	0.37	7.44	1.5	0.406	1.4
2.68	1.4	0.1319	0.33	6.78	1.5	0.373	1.4
2.55	1.5	0.1312	0.49	7.09	1.6	0.392	1.5
2.8	1.4	0.1313	0.39	6.46	1.5	0.357	1.4
2.49	1.6	0.1317	0.6	7.29	1.7	0.401	1.6
2.45	1.8	0.1345	0.84	7.58	2	0.409	1.8
2.45	1.5	0.1337	0.52	7.53	1.6	0.409	1.5
2.49	1.6	0.1337	0.65	7.4	1.7	0.401	1.6
2.48	1.7	0.1355	0.71	7.54	1.8	0.404	1.7
2.75	2.1	0.137	1.53	6.87	2.6	0.364	2.1
2.64	1.4	0.1351	0.34	7.06	1.5	0.379	1.4
2.35	1.7	0.1335	0.78	7.83	1.9	0.425	1.7
2.46	1.5	0.1291	1.02	7.24	1.8	0.407	1.5
3.37	1.6	0.1367	0.94	5.59	1.9	0.296	1.6
					4.0		
2.7	1.5	0.1278	0.31	6.5	1.6	0.371	1.5
2.76	2.2	0.1289	0.46	6.4	2.2	0.362	2.2
2.7	1.4	0.129	0.46	6.6	1.4	0.371	1.4
2.7	1.6	0.13	0.43	6.6	1.6	0.37	1.6
2.84	1.3	0.1302	0.37	6.3	1.3	0.352	1.3
2.77	1.3	0.1303	0.28	6.5	1.3	0.361	1.3
2.81	1	0.1313	0.28	6.4	1	0.356	1
2.7	0.9	0.1319	0.44	6.7	1	0.37	0.9
2.67	3.2	0.132	0.85	6.8	3.3	0.375	3.2
2.66	1.5	0.1325	0.96	6.9	1.8	0.376	1.5
2.6	1.9	0.1327	0.74	7	2	0.385	1.9
2.64	2.1	0.1347	0.9	7	2.2	0.379	2.1
2.55	2.5	0.1347	0.94	7.3	2.6	0.392	2.5
2.7	1.9	0.1353	0.53	6.9	2	0.371	1.9
6.29	2.5	0.115	2.11	2.5	3.3	0.159	2.5
6.67	6.3	0.1182	2.47	2.4	6.8	0.15	6.3
#DIV/0!	0.5	0.1271	1.32	0	1.4	0	0.5
4.11	6.3	0.1282	3.82	4.3	7.4	0.243	6.3
#DIV/0!	0.5	0.1285	0.39	0	0.6	0	0.5
#DIV/0!	0.5	0.1289	0.88	0	1	0	0.5
3.36	2	0.1299	1.16	5.3	2.3	0.297	2
2.89	1.3	0.1316	0.57	6.3	1.4	0.346	1.3
2.98	1.6	0.1318	0.55	6.1	1.7	0.336	16
59	1.9	0 1322	1.53	3.1	24	0 169	1.9
3.62	1 7	0 1327	1 1	5 1	21	0 276	1 7
5 25	5.6	0 1320	1 04	3.5	57	0 101	5.6
3 60	2.5	0.1320	1 12	5.5	27	0.771	2.0
3 13	2.J 1 0	0.1329	0.53	5 /	۲.1 1 ک	0.271	2.J 1 D
5.40	1.4	0.134	0.00	2.4	1.5	0.291	1.4
0.02	5.0	0.1341	∠.0	5.5	4.0	0.101	5.0

3	1.2	0.1348	1.38	6.2	1.8	0.333	1.2
2.65	1	0.1356	1.1	7.1	1.5	0.377	1
4.49	2.1	0.1381	1.07	4.2	2.4	0.223	2.1
2.74	1.5	0.1297	0.59	6.52	1.6	0.365	1.5
2.68	1.6	0.1301	0.65	6.7	1.7	0.373	1.6
2.77	1.6	0.1302	0.9	6.49	1.9	0.361	1.6
2.66	1.6	0.1306	0.84	6.78	1.8	0.377	1.6
2.71	3.5	0.1307	1.34	6.64	3.8	0.369	3.5
2.75	2.5	0.1314	1.01	6.58	2.7	0.363	2.5
2.74	1.4	0.1317	0.39	6.62	1.4	0.365	1.4
2.6	1.5	0.1324	0.6	7.03	1.6	0.385	1.5
2.67	1.5	0.1329	0.79	6.86	1.7	0.375	1.5
2.66	1.4	0.1335	0.32	6.91	1.4	0.376	1.4
2.81	1.3	0.1335	0.35	6.56	1.4	0.356	1.3
2.76	1.6	0.135	0.51	6.74	1.7	0.362	1.6
2.72	2	0.1355	0.49	6.88	2	0.368	2
2.63	2.7	0.1373	1.09	7.2	2.9	0.38	2.7
2.55	1.9	0.1377	1.04	7.45	2.2	0.392	1.9
2.57	1.6	0.1406	0.57	7.53	1.7	0.389	1.6
3.3	1.5	0.1298	0.8	5.43	1.7	0.303	1.5
3.18	1.7	0.1301	0.51	5.64	1.8	0.314	1.7
4.85	1.8	0.1301	1.19	3.7	2.1	0.206	1.8
3.43	2	0.1305	0.72	5.24	2.2	0.291	2
6.23	4.4	0.1316	2.56	2.91	5.1	0.161	4.4
3.43	1.9	0.1333	0.83	5.35	2.1	0.291	1.9
3.7	1.6	0.1369	1.05	5.1	1.9	0.27	1.6
3.3	1.5	0.1379	0.67	5.75	1.7	0.303	1.5
2.66	0.68	0.1306	0.41	6.78	0.8	0.376	0.68
2.66	0.76	0.1313	0.5	6.8	0.9	0.376	0.76
2.69	1.85	0.1304	0.49	6.69	1.9	0.372	1.85
2.85	0.82	0.1302	1.27	6.3	1.5	0.351	0.82
2.71	0.8	0.1299	0.55	6.6	1	0.369	0.8
2.89	0.84	0.1293	0.65	6.17	1.1	0.346	0.84
2.74	0.82	0.1301	1.33	6.55	1.6	0.365	0.82
2.69	0.76	0.1296	0.51	6.63	0.9	0.371	0.76
2.72	0.98	0.1299	0.59	6.58	1.1	0.367	0.98
2.68	1.61	0.1295	0.63	6.67	1.7	0.373	1.61
2.8	1.08	0.131	0.58	6.45	1.2	0.357	1.08
2.84	0.7	0.1287	0.47	6.24	0.8	0.352	0.7
2.61	1.53	0.1307	1.27	6.91	2	0.384	1.53
2.7	0.81	0.1286	0.59	6.56	1	0.37	0.81
11.18	1	0.2511	3.06	3.1	3.2	0.089	1
2.9	0.86	0.1349	1.07	6.41	1.4	0.344	0.86
2.61	0.89	0.2088	1.91	11.05	2.1	0.384	0.89
4.74	1.03	0.1229	2.04	3.57	2.3	0.211	1.03
4.04	0.7	0.1385	1.57	4.72	1.7	0.247	0.7
3.55	0.79	0.1297	0.65	5.04	1	0.282	0.79

	3.93	0.93	0.1499	2.62	5.25	2.8	0.254	0.93
	2.97	0.94	0.1343	1.02	6.23	1.4	0.336	0.94
	#DIV/0!	0.54	0.1322	1.65	0	1.7	0	0.54
	2.69	1	0.1282	0.37	6.57	1.1	0.372	1
	2.85	1.3	0.1282	0.52	6.21	1.4	0.351	1.3
	2.67	1	0.1293	0.37	6.68	1.1	0.375	1
	2.65	1.2	0.1294	0.4	6.72	1.3	0.377	1.2
	2.61	1.3	0.1294	0.71	6.83	1.5	0.383	1.3
	2.64	1	0.1295	0.76	6.76	1.3	0.379	1
	2.71	1	0.1297	0.59	6.61	1.2	0.37	1
	2.77	1	0.1299	0.47	6.47	1.1	0.362	1
	2.66	1.1	0.1303	0.43	6.76	1.1	0.377	1.1
	2.82	1	0.1314	0.46	6.43	1.1	0.355	1
	2.58	1.1	0.1318	0.55	7.03	1.2	0.387	1.1
	2.6	1.2	0.1323	0.58	7.02	1.3	0.385	1.2
	2.56	1.2	0.1325	0.62	7.13	1.3	0.39	1.2
	2.64	1	0.1332	0.38	6.96	1.1	0.379	1
	2.62	1.1	0.139	0.61	7.31	1.3	0.381	1.1
	4	1	0.1221	0.44	4.21	1.1	0.25	1
	3.68	1	0.125	0.86	4.68	1.3	0.272	1
	3.22	5.3	0.1259	3.6	5.4	6.4	0.311	5.3
	4.14	1.2	0.1259	1.15	4.19	1.6	0.241	1.2
	3.5	5.1	0.1265	0.52	4.98	5.1	0.286	5.1
	3.62	1.7	0.1268	0.54	4.83	1.8	0.276	1.7
	3.23	1.6	0.1276	0.39	5.44	1.6	0.31	1.6
	3.32	1.8	0.1281	0.67	5.32	1.9	0.301	1.8
	3.26	1.1	0.1281	0.48	5.43	1.2	0.307	1.1
	3.57	1.6	0.1287	0.66	4.97	1.8	0.28	1.6
	2.98	1.2	0.1289	0.37	5.97	1.3	0.336	1.2
	2.94	1	0.1293	0.47	6.06	1.1	0.34	1
	3.09	1.1	0.1298	0.76	5.79	1.3	0.323	1.1
	2.93	1.2	0.1315	0.81	6.19	1.5	0.342	1.2
	3.22	1.6	0.1326	1.44	5.69	2.1	0.311	1.6
0.38	2.68	0.72	0.1279	0.4	6.59	0.8	0.374	0.72
0.6	2.7	0.92	0.1278	0.63	6.52	1.1	0.37	0.92
0.47	2.83	1.06	0.13	0.84	6.34	1.4	0.353	1.06
0.33	2.66	0.84	0.1278	0.34	6.64	0.9	0.377	0.84
0.33	2.64	0.66	0.129	0.37	6.74	0.8	0.379	0.66
0.38	2.87	1.26	0.1284	0.44	6.18	1.3	0.349	1.26
0.39	2.64	0.72	0.1285	0.39	6.7	0.8	0.378	0.72
0.53	2.68	0.87	0.1289	0.57	6.62	1	0.373	0.87
0.34	2.73	0.66	0.1294	0.42	6.53	0.8	0.366	0.66
0.31	2.65	0.82	0.1279	0.31	6.64	0.9	0.377	0.82
0.34	2.61	0.67	0.1287	0.34	6.79	0.8	0.383	0.67
0.49	2.68	0.83	0.1293	0.5	6.65	1	0.373	0.83
0.47	2.62	0.8	0.1279	0.48	6.74	0.9	0.382	0.8
0.34	#DIV/0!	0.51	0.1315	0.72	0	0.9	0	0.51

0.71	3.87	2.14	0.1317	1	4.69	2.4	0.258	2.14
0.39	3.28	0.7	0.1307	0.54	5.49	0.9	0.305	0.7
0.42	#DIV/0!	0.5	0.1282	0.44	0	0.7	0	0.5
1.15	3.18	0.7	0.1398	1.46	6.06	1.6	0.314	0.7
2.25	3.7	3.12	0.1301	4.46	4.84	5.4	0.27	3.12
0.45	4.45	0.73	0.1292	0.93	4	1.2	0.225	0.73
0.89	2.81	0.84	0.1357	1.68	6.67	1.9	0.356	0.84
	2.86	0.69	0.1278	0.47	6.17	0.8	0.35	0.69
	2.9	1.15	0.1274	0.37	6.07	1.2	0.345	1.15
	2.61	0.93	0.1277	0.59	6.75	1.1	0.384	0.93
	2.63	1.12	0.1286	0.42	6.74	1.2	0.38	1.12
	2.66	0.63	0.1287	0.29	6.66	0.7	0.375	0.63
	2.71	0.71	0.1278	0.5	6.5	0.9	0.369	0.71
	2.61	0.7	0.1284	0.39	6.78	0.8	0.383	0.7
	2.74	0.82	0.129	0.51	6.5	1	0.365	0.82
	2.84	1.01	0.1293	0.43	6.27	1.1	0.352	1.01
	2.69	1.18	0.1288	0.47	6.6	1.3	0.372	1.18
	4.27	5.02	0.1297	1.18	4.19	5.2	0.234	5.02
	#DIV/0!	0.5	0.1268	0.49	0	0.7	0	0.5
	#DIV/0!	0.52	0.1273	1.14	0	1.3	0	0.52
	3.93	1.36	0.1297	0.7	4.55	1.5	0.255	1.36
	5.62	1.21	0.1551	1.54	3.81	2	0.178	1.21
	3.84	0.65	0.1353	1.27	4.86	1.4	0.26	0.65
	3.08	0.84	0.1274	0.41	5.7	0.9	0.324	0.84
	3.14	0.68	0.1398	1.96	6.13	2.1	0.318	0.68
	2.76	0.71	0.1351	2.67	6.74	2.8	0.362	0.71
	3.28	0.73	0.1314	1.93	5.53	2.1	0.305	0.73
	3.03	0.74	0.1336	1.9	6.08	2	0.33	0.74
	3.47	0.63	0.1322	0.69	5.26	0.9	0.289	0.63
	4.83	1.71	0.1341	4.63	3.83	4.9	0.207	1.71
	3.18	7.43	0.1467	16	6.35	17.3	0.314	7.43
	2.94	0.72	0.1274	0.27	5.97	0.8	0.34	0.72
	2.7	0.79	0.1364	2.31	6.98	2.4	0.371	0.79
0.44	2.774	1.3	0.1303	0.45	6.48	1.4	0.361	1.3
0.41	2.623	1.3	0.1299	0.62	6.83	1.4	0.381	1.3
0.44	2.643	1.3	0.1297	0.53	6.77	1.4	0.378	1.3
0.29	2.671	1.2	0.1292	0.3	6.67	1.3	0.374	1.2
0.32	2.654	1.2	0.1297	0.35	6.74	1.3	0.377	1.2
0.57	2.679	1.4	0.1288	0.6	6.63	1.5	0.373	1.4
0.36	2.704	1.3	0.1285	0.42	6.55	1.3	0.37	1.3
0.43	2.681	1.3	0.1301	0.44	6.69	1.4	0.373	1.3
0.49	2.771	1.3	0.1288	0.53	6.41	1.4	0.361	1.3
0.44	2.818	1.3	0.13	0.55	6.36	1.4	0.355	1.3
0.37	2.779	1.3	0.1302	0.47	6.46	1.3	0.36	1.3
0.36	2.688	1.2	0.1299	0.38	6.66	1.3	0.372	1.2
0.49	2.945	1.4	0.1287	0.77	6.02	1.6	0.34	1.4
0.34	2.917	1.2	0.13	0.58	6.14	1.4	0.343	1.2
0.48	2.922	1.3	0.1299	0.76	6.13	1.5	0.342	1.3

$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1	7.646	3	0.1173	1.64	2.12	3.4	0.131	3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.61	2.774	2.7	0.1345	1.26	6.69	3	0.36	2.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.44	2.78	1.3	0.1302	0.54	6.45	1.4	0.359	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.41	2.65	1.3	0.1314	0.44	6.84	1.3	0.377	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.49	2.6	1.3	0.13	0.51	6.9	1.4	0.385	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.33	2 77	12	0 1299	0.45	6 47	13	0.361	12
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.44	2.58	1.3	0 1288	0.45	6.88	14	0.388	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.75	2.68	1.0	0.1200	0.85	6 69	1.1	0.373	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.70	2.00	1.0	0.10	0.00	6.75	1.0	0.378	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.30	2.04	1.2	0.1295	0.77	6.91	1.0	0.370	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.55	2.01	1.2	0.1207	0.33	6.76	1.0	0.304	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.4	2.03	1.0	0.1291	0.44	6.50	1.0	0.30	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.40	2.09	1.3	0.1200	0.54	0.59	1.4	0.371	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.30	2.74	1.2	0.1291	0.30	0.49	1.3	0.305	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.32	2.63	1.2	0.1288	0.34	6.76	1.3	0.381	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.47	2.73	1.3	0.1299	0.5	6.57	1.4	0.367	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.4	2.66	1.3	0.1304	0.4	6.75	1.3	0.376	1.3
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.39	2.62	1.3	0.1293	0.41	6.81	1.3	0.382	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.36	2.81	1.2	0.1343	0.56	6.6	1.4	0.356	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.4	3 37	12	0 1205	0.82	53	15	0 207	1 2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.7	2 74	1.2	0.1200	1 42	6 59	1.0	0.257	1.2
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.75	2.74	1.5	0.1003	1.72	0.55	1.5	0.000	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.43	2.74	1.6	0.1281	0.49	6.46	1.7	0.366	1.6
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.76	2.67	1.4	0.1291	0.78	6.68	1.6	0.375	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.45	2.58	1.4	0.1296	0.47	6.93	1.5	0.388	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.33	2.71	1.6	0.1295	0.34	6.58	1.7	0.368	1.6
0.36 $2.57$ $2.9$ $0.1292$ $0.38$ $6.93$ $2.9$ $0.389$ $2.9$ $0.35$ $2.61$ $1.4$ $0.1292$ $0.37$ $6.84$ $1.4$ $0.384$ $1.4$ $0.36$ $2.62$ $1.5$ $0.1292$ $0.36$ $6.79$ $1.6$ $0.381$ $1.5$ $0.45$ $2.73$ $1.8$ $0.1292$ $0.36$ $6.79$ $1.6$ $0.381$ $1.5$ $0.45$ $2.73$ $1.8$ $0.1292$ $0.36$ $6.79$ $1.6$ $0.381$ $1.5$ $0.45$ $2.73$ $1.8$ $0.1292$ $0.36$ $6.79$ $1.6$ $0.381$ $1.5$ $0.45$ $2.73$ $1.8$ $0.1292$ $0.36$ $6.79$ $1.6$ $0.381$ $1.5$ $0.67$ $2.73$ $2.4$ $0.1281$ $0.67$ $6.47$ $2.5$ $0.366$ $2.4$ $0.8$ $2.6$ $1.9$ $0.1333$ $0.96$ $7.06$ $2.1$ $0.384$ $1.9$ $0.33$ $2.7$ $1.6$ $0.1312$ $0.41$ $6.69$ $1.7$ $0.37$ $1.6$ $0.59$ $2.72$ $1.3$ $0.132$ $0.71$ $6.69$ $1.5$ $0.368$ $1.3$ $0.78$ $2.708$ $1.8$ $0.1316$ $0.91$ $6.7$ $2$ $0.369$ $1.8$ $0.81$ $2.599$ $1.9$ $0.1322$ $0.94$ $7.01$ $2.1$ $0.385$ $1.9$ $0.64$ $2.711$ $1.7$ $0.1331$ $0.44$ $6.95$ $1.6$ $0.379$ $1.5$ $0.81$ $2.$	0.5	2 59	1.8	0 1301	0.5	6.93	19	0.386	18
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.36	2.57	2.9	0 1292	0.38	6.93	2.9	0.389	2.9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.35	2.61	14	0.1202	0.37	6.84	14	0.384	14
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00	2.67	1.4	0.1200	0.36	6 79	1.4	0.381	1.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.00	2.02	1.0	0.1202	0.50	6.56	1.0	0.367	1.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.45	2.73	2.4	0.1290	0.5	6.47	2.5	0.366	24
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.07	2.15	2.7	0.1201	0.07	0.47	2.5	0.000	2.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.8	2.6	1.9	0.1333	0.96	7.06	2.1	0.384	1.9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.33	2.7	1.6	0.1312	0.41	6.69	1.7	0.37	1.6
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.59	2.72	1.3	0.132	0.71	6.69	1.5	0.368	1.3
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.78	2.708	1.8	0.1316	0.91	6.7	2	0.369	1.8
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.81	2.599	1.9	0.1322	0.94	7.01	2.1	0.385	1.9
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0.64	2.711	1.7	0.1327	0.68	6.75	1.9	0.369	1.7
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.41	2.639	1.5	0.1331	0.44	6.95	1.6	0.379	1.5
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.81	2.528	1.9	0.1332	0.91	7.27	2.1	0.396	1.9
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.49	2.745	1.6	0.1334	0.73	6.7	1.7	0.364	1.6
0.552.7761.60.13360.886.631.80.361.60.562.6541.60.13390.76.961.70.3771.60.452.5271.60.13430.77.331.70.3961.60.522.6451.60.13490.537.031.70.3781.60.752.541.80.1350.847.3320.3941.80.662.7521.70.13510.696.771.80.3631.7	0.56	2.668	1.7	0.1335	0.62	6.9	1.8	0.375	1.7
0.562.6541.60.13390.76.961.70.3771.60.452.5271.60.13430.77.331.70.3961.60.522.6451.60.13490.537.031.70.3781.60.752.541.80.1350.847.3320.3941.80.662.7521.70.13510.696.771.80.3631.7	0.55	2.776	1.6	0.1336	0.88	6.63	1.8	0.36	1.6
0.452.5271.60.13430.77.331.70.3961.60.522.6451.60.13490.537.031.70.3781.60.752.541.80.1350.847.3320.3941.80.662.7521.70.13510.696.771.80.3631.7	0.56	2.654	1.6	0.1339	0.7	6.96	1.7	0.377	1.6
0.522.6451.60.13490.537.031.70.3781.60.752.541.80.1350.847.3320.3941.80.662.7521.70.13510.696.771.80.3631.7	0.45	2.527	1.6	0.1343	0.7	7.33	1.7	0.396	1.6
0.75   2.54   1.8   0.135   0.84   7.33   2   0.394   1.8     0.66   2.752   1.7   0.1351   0.69   6.77   1.8   0.363   1.7	0.52	2.645	1.6	0.1349	0.53	7.03	1.7	0.378	1.6
0.66 2.752 1.7 0.1351 0.69 6.77 1.8 0.363 1.7	0.75	2.54	1.8	0.135	0.84	7.33	2	0.394	1.8
	0.66	2.752	1.7	0.1351	0.69	6.77	1.8	0.363	1.7

0.41	2.584	1.6	0.1354	1.28	7.23	2.1	0.387	1.6
0.65	2.406	1.7	0.1306	0.71	7.49	1.9	0.416	1.7
0.51	2.945	1.6	0.1315	0.85	6.16	1.8	0.34	1.6
0.66	2.954	1.8	0.1357	1.14	6.34	2.1	0.339	1.8
0.53	3.695	1.6	0.136	1.18	5.07	2	0.271	1.6
0.52	2 681	17	0 1365	1 1	7 02	2	0.373	17
0.52	2.001	1.7	0.130	1.1	6 15	10	0.373	1.7
1.05	0.090	1.0	0.130	1.05	0.15	1.9	0.323	1.0
1.05	2.933	1.0	0.1422	1.37	0.00	2.3	0.341	1.0
0.40	3.021	1.0	0.1428	1.77	0.52	2.4	0.331	1.0
	2.575	2.1	0.1277	0.98	6.84	2.3	0.388	2.1
	2.59	2.3	0.1283	0.97	6.83	2.5	0.386	2.3
	2.64	2.2	0.1299	0.94	6.79	2.4	0.379	2.2
	2.663	1.9	0.13	0.72	6.73	2.1	0.375	1.9
	2.638	1.9	0.131	0.71	6.85	2	0.379	1.9
	2.609	2.1	0.1311	0.86	6.93	2.3	0.383	2.1
	2 629	1.5	0 1314	0.54	6.89	16	0.38	1.5
	2 551	24	0 1318	1 09	7 12	27	0 392	24
	2.553	2. <del>4</del> 1 0	0.1310	0.85	7.12	2.7	0.302	10
	2.000	1.9	0.1319	0.85	7.12	2.1	0.392	1.9
	2.548	1.9	0.1325	0.00	7.17	Z. I	0.392	1.9
	2.812	2.2	0.1335	1.47	6.55	2.6	0.356	2.2
	2.676	1.5	0.1335	0.66	6.88	1.7	0.374	1.5
	2.546	2	0.1338	1.49	7.25	2.5	0.393	2
	2.472	2	0.134	0.66	7.48	2.1	0.405	2
	2.485	2.3	0.1349	1.13	7.49	2.5	0.402	2.3
	2.465	2	0.1354	0.78	7.58	2.1	0.406	2
	2.304	2.1	0.1439	1.25	8.61	2.5	0.434	2.1
	2,399	2	0.2272	1.39	13.06	2.5	0.417	2
	2 644	19	0 1325	1 07	6.91	21	0.378	19
	2.605	1.0	0.1320	0.91	7.03	1.8	0.384	1.0
	2.000	1.0	0.1325	1.60	6.42	2.5	0.304	1.0
	2.952	1.9	0.1370	1.09	0.42	2.0	0.339	1.9
	2.004	1.9	0.139	1.9	7.22	2.7	0.377	1.9
	2.792	1.8	0.1422	1.68	7.02	2.5	0.358	1.8
	2.49	1.3	0.1299	0.6	7.2	1.4	0.402	1.3
	2.56	1.4	0.129	0.67	6.96	1.6	0.391	1.4
	2.56	1.5	0.1301	0.59	7	1.6	0.39	1.5
	2.57	1.3	0.1304	0.35	7	1.3	0.389	1.3
	2.65	1.3	0.1293	0.4	6.72	1.3	0.377	1.3
	2.64	1.4	0.13	0.58	6.78	1.5	0.378	1.4
	2.75	1.3	0.1292	0.37	6.47	1.3	0.363	1.3
	2.45	1.3	0,1292	0.37	7.28	1.3	0,409	1.3
	2 48	14	0 128	0.53	7 11	1.5	0 403	14
	2.40	17	0 1327	0.00	7 1 8	1.0	0.303	17
	2.00	1.1	0.1021	0.00 A Q	6 4 4	1.0	0.356	1.7
	2.01	1.4	0.1014	0.0	0.44 5.01	1.0	0.000	1.4
	2.97	0.1	0.12/0	0.43	5.91	0.1	0.330	1.0
	3.11	1.2	0.1277	0.53	5.66	1.3	0.322	1.2
	3.09	1.4	0.1302	0.57	5.81	1.5	0.323	1.4

	3.55	1.3	0.1277	0.41	4.96	1.3	0.282	1.3
0.68	2.66	1.9	0.1256	0.72	6.51	2.1	0.376	1.9
0.87	2.79	2.1	0.127	1.04	6.27	2.4	0.358	2.1
1.8	2.61	2.1	0.1276	1.83	6.74	2.8	0.383	2.1
0.86	2.59	2.1	0.1278	0.89	6.79	2.3	0.385	2.1
0.88	2.59	21	0 1278	1 09	6.81	24	0.386	21
0.83	2.55	21	0.1285	0.91	6.96	23	0.393	2.1
0.00	2.00	2.1	0.1288	1 09	6.87	2.0	0.387	2.1
0.52	2.50	1.8	0.1200	0.57	6.00	<u> </u>	0.307	1.8
0.52	2.54	2.1	0.120	0.07	6.66	23	0.333	2.1
0.04	2.07	2.1 1 0	0.1291	0.90	0.00	2.5	0.374	2.1
0.0	2.47	1.9	0.1301	0.03	1.21	2	0.403	1.9
0.04	2.04	2.1	0.1305	0.90	0.02	2.3	0.379	2.1
0.67	2.6	1.9	0.1325	0.69	7.03	2.1	0.385	1.9
1.04	2.52	2.4	0.126	1.25	6.88	2.7	0.396	2.4
0.66	3.26	1.9	0.1269	0.92	5.36	2.1	0.306	1.9
0.64	3.19	1.9	0.1277	1	5.52	2.1	0.313	1.9
0.78	3.05	2	0.133	0.8	6.02	2.2	0.328	2
1.27	2.82	2	0.1374	1.34	6.72	2.5	0.355	2
	2.67	2.1	0.1262	1.57	6.53	2.7	0.375	2.1
	2.63	2.3	0.1278	1.78	6.71	2.9	0.381	2.3
	2.67	2.1	0.1307	1.86	6.74	2.8	0.374	2.1
	2.69	2	0.1311	0.79	6.73	2.2	0.372	2
	2.63	2.1	0.1319	0.84	6.9	2.3	0.38	2.1
	2.66	2.5	0.1331	1.18	6.89	2.8	0.376	2.5
	2.56	2.1	0.1333	0.9	7.18	2.3	0.391	2.1
	2.48	2.2	0.1338	0.99	7.45	2.5	0.404	2.2
	2.54	2	0.1353	0.76	7.35	2.1	0.394	2
	1.72	2.1	0.2065	0.55	16.54	2.1	0.581	2.1
	2.04	0.1	0 1 2 9 4	1 01	5 00	2.2	0 220	2.4
	3.04	2.1	0.1204	1.01	0.62	2.3	0.329	2.1
	2.75	2.1	0.1376	2.01	0.9	3.3	0.364	2.1
	3.63	3.3	0.1423	4.13	5.41	5.3	0.276	3.3
	2.66	2	0.148	4.13	7.69	4.6	0.377	2
	2.68	2.4	0.1492	12	7.69	12.6	0.374	2.4
	3.37	2.4	0.1495	3.62	6.12	4.4	0.297	2.4
	4.16	2	0.1583	4	5.25	4.5	0.241	2
	2.7	1.4	0.1309	0.87	6.6	1.6	0.37	1.4
	2.7	1.3	0.1294	1.17	6.5	1.7	0.37	1.3
	2.8	2.5	0.1297	1.04	6.5	2.8	0.36	2.5
	2.6	1.6	0.1287	0.58	6.7	1.7	0.38	1.6
	2.7	1.1	0.1292	0.58	6.7	1.2	0.37	1.1
	0.5	A 7	0.4000	4.05	<b>F</b> 0	0.4	0.00	4 7
	3.5	1./	0.1309	1.25	5.2	2.1	0.29	1./
	9.8	1./	0.113	0.85	1.6	1.9	0.1	1./
	6.1	1.9	0.1167	0.39	2.6	2	0.16	1.9

21.1	1.8	0.0841	4.47	0.5	4.8	0.05	1.8
11.4	1.8	0.1028	4.59	1.2	4.9	0.09	1.8
9.2	1.5	0.1146	1.12	1.7	1.9	0.11	1.5
4.4	1.3	0.1226	0.66	3.9	1.4	0.23	1.3
17	1.3	0.0897	1.62	0.7	2.1	0.06	1.3
3.9	0.9	0.1239	0.62	4.4	1.1	0.26	0.9
5.6	1	0.1206	0.41	3	1.1	0.18	1
8	1.6	0.1152	1.74	2	2.4	0.12	1.6
13.6	2.5	0.107	2.96	1.1	3.9	0.07	2.5
10.7	3.9	0.098	8.18	1.3	9.1	0.09	3.9
7.5	1.6	0.118	0.86	2.2	1.8	0.13	1.6
17.2	2	0.095	2.17	0.8	3	0.06	2
30.7	2.6	0.0863	1.47	0.4	3	0.03	2.6
3.9	3.1	0.1266	1.35	4.5	3.3	0.26	3.1
6.5	6.2	0.1198	1.39	2.5	6.3	0.15	6.2
14.1	2.8	0.1172	11	1.1	11.2	0.07	2.8
15.4	2.3	0.0963	1.67	0.9	2.8	0.06	2.3
11.6	1	0.1027	0.87	1.2	1.3	0.09	1
4.7	1.9	0.1233	1.02	3.6	2.1	0.21	1.9
14	1.8	0.0963	1.67	0.9	2.5	0.07	1.8
14	1.5	0.0945	2.21	0.9	2.7	0.07	1.5
9.2	2.1	0.11	0.78	1.6	2.2	0.11	2.1
24.8	1.1	0.0776	2.71	0.4	2.9	0.04	1.1
7.7	2.1	0.1053	7.84	1.9	8.1	0.13	2.1
5	0.8	0.1206	0.89	3.3	1.2	0.2	0.8
11.1	1.5	0.1084	1.6	1.3	2.2	0.09	1.5
8.5	1.6	0.113	1.01	1.8	1.9	0.12	1.6

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R A	ATIOS							
Analysis NcPb2	207/Pb2 2s	Pb	207/U232s		Pb206/U232s		Pb208/Th2	2s
SAMPLE: E	21	21 <b>�</b> 7 Ma	1					Common-L
BF1-01	0.1311	0.0046	6.7437	0.1746	0.3731	0.0088	0.1060	0.0026
BF1-03	0.1330	0.0029	6.9539	0.1709	0.3793	0.0089	0.1082	0.0034
BF1-07	0.1316	0.0031	6.8269	0.1803	0.3762	0.0092	0.1101	0.0044
BF1-09	0.1315	0.0033	6.8697	0.2058	0.3791	0.0102	0.1099	0.0055
BF1-14R	0.1311	0.0033	6.7604	0.1779	0.3739	0.0085	0.1135	0.0057
BF1-15	0.1315	0.0030	6.8156	0.1791	0.3760	0.0094	0.1147	0.0041
BF1-16	0.1316	0.0029	6.9470	0.1790	0.3828	0.0095	0.1161	0.0040
BF1-17	0.1304	0.0047	6.4952	0.1733	0.3613	0.0089	0.1027	0.0026
BF1-18	0.1318	0.0029	6.5452	0.1595	0.3603	0.0084	0.0915	0.0031
BF1-21C	0.1325	0.0042	7.1350	0.2571	0.3905	0.0116	0.1230	0.0087
Rejected								
BF1-08R	0.1289	0.0045	5.5425	0.1415	0.3120	0.0073	0.0888	0.0022
BF1-08C	0.1125	0.0038	2.9693	0.0739	0.1914	0.0043	0.0552	0.0013
BF1-12	0.1294	0.0058	6.0071	0.2082	0.3367	0.0095	0.0958	0.0029
BF1-14C	0.1266	0.0063	5.9054	0.2330	0.3384	0.0101	0.0965	0.0030
BF1-11	0 1169	0.0069	2 7001	0 1370	0 1675	0.0052	0.0481	0.0021
BF1-19	0 1289	0.0046	5 9151	0 1620	0.3329	0.0075	0 0947	0.0023
BF1-20	0 1289	0.0058	4 2818	0 1499	0 2410	0.0068	0.0686	0.0021
BF1-21R	0.1200	0.0060	6 1937	0 2461	0.3456	0.0080	0.0983	0.0026
BF1-22	0.1300	0.0052	6.0052	0 1870	0.3351	0.0083	0.0000	0.0025
BF1-23	0.1431	0.0055	7 0691	0.2123	0.3583	0.0085	0 1009	0.0027
Session stand	ards	0.0000	1.0001	0.2120	0.0000	0.0000	0.1000	0.0027
91500-128	0 0752	0 0019	1 7999	0 0515	0 1735	0 0043	0.0501	0 0019
91500-129	0.0755	0.0018	1 8395	0.0010	0 1767	0.0010	0.0511	0.0018
G.I-1	0.0700	0.0015	0.8065	0.0400	0.0972	0.0040	0.0306	0.0015
G.I-2	0.0601	0.0015	0.8126	0.0221	0.0072	0.0024	0.0000	0.0015
G L 3	0.0601	0.0015	0.8169	0.0222	0.0001	0.0024	0.0010	0.0015
G I-4	0.0602	0.0015	0.8096	0.0225	0.00076	0.0020	0.0000	0.0016
GJ-3	0.0600	0.0010	0.8171	0.0220	0.0070	0.0020	0.0000	0.0013
GJ-4	0.0000	0.0014	0.8092	0.0207	0.0975	0.0020	0.0000	0.0013
G I-5	0.0601	0.0015	0.8104	0.0200	0.0070	0.0020	0.0010	0.0016
G I-6	0.0001	0.0010	0.0104	0.0221	0.0075	0.0020	0.0011	0.0018
MT_02	0.0002	0.0000	1 0/32	0.0111	0.0373	0.0012	0.0304	0.0000
MT-92	0.0042	0.0015	1.0432	0.0274	0.1170	0.0020	0.0365	0.0010
SAMPLE BE2	21	45 📣 6 Ma	1.0010	0.0201	0.1200	0.0023	0.0000	Common-L
BE2 01	0 1357	-0 0053	7 0103	0 2024	0 3748	0 0008	0 1061	
BF2_02	0.1337	0.0000	7 2230	0.2024	0.3046	0.0030	0.1001	0.0023
BF2_05	0.1320	0.0030	7.0620	0.1310	0.3940	0.0000	0.1213	0.0047
BE2 07	0.1320	0.0033	7 1455	0.1000	0.3808	0.0030	0.1170	0.0040
BE2 10C	0.1337	0.0030	7 3583	0.2110	0.3030	0.0100	0.1140	0.0032
BF2-10C	0.1337	0.0030	6 9945	0.1922	0.3993	0.0099	0.1200	0.0047
BE2 12	0.1331	0.0040	7 3603	0.2401	0.3755	0.0110	0.1090	0.0072
DI 2-12 DE2 15	0.1374	0.0009	7.3093	0.2995	0.3091	0.0110	0.1100	0.0055
DF2-15 DF2-16	0.1321	0.0039	7.1004	0.2414	0.3090	0.0112	0.1055	0.0007
DF2-10 DF2-10	0.1319	0.0043	7.1700	0.2019	0.3945	0.0117	0.1037	0.0075
BE2 20	0.1007	0.0040	1.2412 7 0005	0.2140	0.3932	0.0117	0.1137	0.009Z
DE2 21	0.1328	0.0049	7.0900	0.2092	0.3073	0.0120	0.1009	
DE2 22	0.1337	0.0033	7.2004	0.2203	0.3937	0.0110	0.1141	0.0000
DI 2-20 DE2 26	0.1040	0.0042	7 2104	0.2030	0.3931	0.0119	0.113/	0.0019
DFZ-20	0.1331	0.0033	1.3121	0.2072	0.3905	0.0103	0.1242	0.0059

BF2-27	0.1356	0.0059	6.9603	0.2341	0.3723	0.0103	0.1054	0.0031
BF2-29	0.1368	0.0051	6.9880	0.2064	0.3705	0.0083	0.1048	0.0026
BF2-40	0.1325	0.0044	7.1240	0.2640	0.3901	0.0114	0.1158	0.0093
BF2-42	0.1298	0.0048	6.6663	0.1896	0.3724	0.0089	0.1059	0.0027
BF2-43	0.1380	0.0056	7.3477	0.2273	0.3861	0.0103	0.1091	0.0031
BF2-45	0.1376	0.0050	7.2616	0.1991	0.3827	0.0093	0.1082	0.0028
BF2-44	0.1337	0.0040	6.9248	0.2414	0.3758	0.0111	0.1139	0.0073
BF2-47	0.1350	0.0031	7.4017	0.1971	0.3976	0.0101	0.1235	0.0048
BF2-48	0.1307	0.0065	6.6648	0.2644	0.3699	0.0111	0.1051	0.0033
BF2-50	0.1349	0.0043	7.1474	0.2296	0.3844	0.0091	0.1234	0.0094
BF2-54	0.1326	0.0043	7.0025	0.2549	0.3831	0.0114	0.1094	0.0079
BF2-56	0.1329	0.0053	6.9046	0.2152	0.3768	0.0092	0.1069	0.0028
Rejected								
BF2-32	0.1390	0.0072	7.3187	0.3090	0.3819	0.0114	0.1079	0.0036
BF2-37	0.1410	0.0078	7.4969	0.3413	0.3857	0.0120	0.1088	0.0037
BF2-39	0.1403	0.0073	6.9171	0.2927	0.3577	0.0108	0.1010	0.0033
BF2-55	0.1504	0.0079	7.5973	0.3291	0.3664	0.0110	0.1027	0.0037
Session standa	ards			0.020				
91500-130	0 0750	0 0018	1 8269	0 0487	0 1766	0 0043	0 0512	0 0017
91500-131	0 0754	0.0019	1 8732	0.0508	0 1802	0 0044	0.0525	0.0019
91500-132	0.0745	0.0020	1 8343	0.0557	0 1787	0.0047	0.0529	0.0022
G.I-5	0.0601	0.0014	0.8090	0.0206	0.0977	0.0023	0.0311	0.0013
GJ-6	0.0602	0.0014	0.8089	0.0207	0.0975	0.0023	0.0303	0.0013
G I-7	0.0601	0.0015	0.8282	0.0207	0.1000	0.0020	0.0316	0.0016
G I-8	0.0601	0.0016	0.0202	0.0227	0.1000	0.0024	0.0302	0.0017
GJ-7	0.0601	0.0014	0.8276	0.0220	0.0004	0.0024	0.0315	0.0013
G.I-8	0.0601	0.0014	0.7977	0.0208	0.0962	0.0023	0.0301	0.0013
G.I-9	0.0600	0.0016	0.8013	0.0200	0.0969	0.0020	0.0308	0.0017
G I-10	0.0603	0.0015	0.8240	0.0220	0.0000	0.0024	0.0000	0.0017
G L9	0.0600	0.0010	0.0240	0.0220	0.0002	0.0024	0.0309	0.0017
G L 10	0.0603	0.0014	0.8230	0.0217	0.0070	0.0020	0.0310	0.0014
G L 11	0.0600	0.0014	0.0200	0.0212	0.0000	0.0024	0.0302	0.0016
GL12	0.0000	0.0013	0.8114	0.0210	0.0976	0.0023	0.0302	0.0010
MT_9/	0.0603	0.0000	1 0601	0.0110	0.0370	0.0011	0.0369	0.0000
MT 05	0.0042	0.0016	1.0031	0.0204	0.1200	0.0029	0.0373	0.0012
	0.0034	30 <b>4</b> 6 Ma	1.0035	0.0302	0.1210	0.0030	0.0373	mmon I
BE3_01	0 1350		6 9676	0 1684	0 3745	0 0084	0 1085	
BE3 03	0.1316	0.0031	6 530/	0.1750	0.3604	0.0004	0.1005	0.0042
BE3 05	0.1310	0.0057	6 8340	0.1730	0.3004	0.0090	0.1051	0.0043
BE3 07	0.1324	0.0032	6 5450	0.2002	0.3743	0.0030	0.1003	0.0029
DF3-07	0.1307	0.0040	6 7090	0.1716	0.3033	0.0079	0.1033	0.0024
DF3-12 DF2 15	0.1310	0.0031	0.7909	0.1710	0.3747	0.0000	0.1140	0.0040
DFJ-1J Dejected	0.1324	0.0030	0.0345	0.1031	0.3035	0.0095	0.1052	0.0042
	0 1527	0 0077	0 1 5 0 1	0 2201	0.2950	0.0114	0 1077	0 0020
BF3-04	0.1537	0.0077	0.1001	0.3281	0.3850	0.0114	0.1077	0.0038
BF3-02	0.1417	0.0060	0.9933	0.2240	0.3581	0.0098	0.1010	0.0029
BF3-08	0.1297	0.0049	5.9556	0.1734	0.3330	0.0080	0.0947	0.0024
BF3-11	0.1425	0.0051	6.0203	0.1621	0.3063	0.0072	0.0863	0.0021
DF3-10	0.1293	0.0055	4.0000	0.1000	0.2020	0.0074	0.0748	0.0022
DF3-1/	0.1297	0.0055	0.9083	0.1923	0.3304	0.0091	0.0940	0.0028
BF3-18	0.1326	0.0031	0.2943	0.1604	0.3443	0.0080	0.0987	0.0042
BF3-20	0.1432	0.0062	0.7063	0.2292	0.3396	0.0090	0.0957	0.0027
BF3-21	U.1458	0.0061	7.2513	0.2315	0.3606	0.0098	0.1014	0.0029

BF3-23	0.1471	0.0076	7.3463	0.3071	0.3623	0.0111	0.1018	0.0033
BF3-22	0.2160	0.0119	14.6751	0.6550	0.4927	0.0160	0.1334	0.0048
BF3-25	0.2212	0.0094	11.4422	0.3752	0.3752	0.0101	0.1014	0.0033
BF3-14	0.1067	0.0035	4.4379	0.1666	0.3019	0.0092	0.0863	0.0065
BF3-24	0.4499	0.0112	70.1909	2.0307	1.1317	0.0298	0.5983	0.0301
Session standa	ards							
91500-133	0.0752	0.0017	1.8453	0.0461	0.1781	0.0042	0.0519	0.0016
91500-134	0.0749	0.0018	1.8268	0.0480	0.1770	0.0043	0.0512	0.0017
GJ-1	0.0601	0.0013	0.8088	0.0198	0.0976	0.0023	0.0306	0.0012
GJ-2	0.0602	0.0013	0.8113	0.0197	0.0978	0.0023	0.0310	0.0012
GJ-3	0.0603	0.0015	0.8149	0.0211	0.0980	0.0023	0.0309	0.0015
GJ-4	0.0600	0.0015	0.8057	0.0210	0.0975	0.0023	0.0305	0.0015
GJ-5	0.0598	0.0014	0.8041	0.0206	0.0976	0.0023	0.0308	0.0013
GJ-6	0.0606	0.0014	0.8153	0.0206	0.0977	0.0023	0.0306	0.0013
GJ-7	0.0601	0.0015	0.8112	0.0224	0.0979	0.0023	0.0303	0.0017
GJ-8	0.0602	0.0008	0.8090	0.0113	0.0976	0.0012	0.0311	0.0009
MT-96	0.0638	0.0016	1.0339	0.0286	0.1176	0.0030	0.0354	0.0011
MT-97	0.0638	0.0016	1.0491	0.0289	0.1192	0.0030	0.0360	0.0012
SAMPLE: BF4	N	o Aqe						Common-L
BF4-20	0.1341	0.0041	6.6306	0.2410	0.3586	0.0110	0.0983	0.0067
BF4-23	0.1305	0.0075	6.2537	0.2954	0.3475	0.0115	0.0988	0.0034
BF4-28	0.1317	0.0063	6.7712	0.2535	0.3730	0.0111	0.1059	0.0033
BF4-31	0.1314	0.0048	6.3383	0.2610	0.3500	0.0111	0.1065	0.0092
Rejected								
BF4-01	0.1274	0.0051	5.0575	0.1620	0.2880	0.0068	0.0821	0.0022
BF4-02	0.1290	0.0061	6.0760	0.2215	0.3415	0.0101	0.0972	0.0030
BF4-07	0.1332	0.0078	4.8482	0.2340	0.2640	0.0088	0.0749	0.0026
BF4-15	0.1287	0.0067	5.4672	0.2325	0.3082	0.0093	0.0877	0.0029
BF4-06	0.1385	0.0063	1.3692	0.0475	0.0717	0.0021	0.0203	0.0008
BF4-09	0.1329	0.0066	1.9291	0.0765	0.1053	0.0032	0.0299	0.0011
BF4-08	0.0940	0.0089	2.3842	0.2097	0.1839	0.0062	0.0541	0.0032
BF4-10	0.1400	0.0087	5.3545	0.2794	0.2774	0.0093	0.0783	0.0029
BF4-12	0.1372	0.0105	4,1563	0.2800	0.2197	0.0078	0.0621	0.0028
BF4-14	0.1097	0.0100	2.6821	0.2264	0.1774	0.0063	0.0513	0.0028
BF4-19	0.1332	0.0037	5.6693	0.1928	0.3087	0.0093	0.0896	0.0052
BF4-25	0 1359	0.0068	4 7618	0 1913	0 2542	0.0075	0 0720	0.0026
BF4-29	0 1316	0.0062	5 6904	0 2125	0.3137	0.0091	0.0891	0.0028
BF4-30	0 1333	0.0050	5 7973	0 1754	0.3155	0.0071	0.0895	0.0022
BF4-33	0 1281	0.0075	5 2755	0 2573	0 2986	0.0097	0.0850	0.0030
BF4-41	0 1618	0.0066	4 4486	0 1357	0 1994	0.0054	0.0555	0.0017
BF4-54	0 1180	0.0078	3 3186	0 1915	0 2040	0.0066	0.0586	0.0029
BF4-59	0 1346	0.0063	5 7477	0 2078	0.3097	0.0092	0.0878	0.0028
BF4-61	0.1319	0.0077	4 8351	0.2327	0.2659	0.0088	0.00755	0.0027
BF4-62	0.1350	0.0059	5 2280	0.1746	0.2000	0.0000	0.0700	0.0027
BF4-56	0.1000	0.0061	1 7506	0.0781	0.0854	0.0078	0.0700	0.0020
SAMPLE BE5	2	136 📣 11 M	1.7000 la	0.0701	0.0004	0.0020	0.1700	Common-L
BE5_01	0 1337		7 1475	0 2269	0 3879	0 0111	0 1230	
BE5_02	0.1337	0.0033	7.1475	0.2203	0.3079	0.0101	0.1230	0.0000
BF5_03	0.1333	0.0001	7 1803	0.1900	0.4003	0.0101	0.11/0	0.00-0
BF5_02R	0.1300	0.0000	7 2528	0.1070	0.3075	0.0090	0.1140	0.0042
BF5_05	0.1324	0.0000	7 04/0	0.1091	0.3845	0.0099	0.1191	0.0044
BF5_07R	0.1323	0.0057	6 2022	0.2202	0.0040	0.0100	0.0000	0.0002
DI J-07K	0.1307	0.0007	0.5922	0.2090	0.5540	0.0102	0.1000	0.0030

BF5-11	0.1336	0.0029	7.3067	0.1831	0.3966	0.0097	0.1167	0.0036
BF5-13	0.1323	0.0033	7.0522	0.2123	0.3865	0.0108	0.1177	0.0054
BF5-15	0.1321	0.0036	7.2262	0.2290	0.3968	0.0113	0.1147	0.0061
BF5-16	0.1320	0.0031	7.0460	0.1980	0.3871	0.0103	0.1117	0.0047
BF5-18	0.1325	0.0031	7.0931	0.1939	0.3883	0.0101	0.1108	0.0044
BF5-20	0.1317	0.0031	7.4108	0.2096	0.4080	0.0109	0.1193	0.0052
BF5-21	0 1332	0.0051	7 2597	0 3037	0 3953	0.0126	0 1148	0 0107
BE5-25	0 1323	0.0034	7 1962	0 2086	0.3946	0.0103	0 1129	0.0056
BF5-31	0.1361	0.0078	7.1002	0.2000	0.3754	0.0140	0.1120	0.0000
BF5-34	0.1331	0.0070	7 2996	0.2076	0.0704	0.0105	0.1104	0.0104
BE5 37	0.1336	0.0032	7 2214	0.2070	0.3021	0.0100	0.1114	0.0040
DI 5-57	0.1330	0.0033	7 2926	0.2050	0.3921	0.0102	0.1102	0.0049
DF5-41	0.1000	0.0033	7.2020	0.2003	0.3973	0.0102	0.1121	0.0052
DF0-47 Dejected	0.1554	0.0036	7.1045	0.2349	0.3697	0.0108	0.1065	0.0000
	0 4 2 0 0	0.0050	6 2052	0 4060	0.2442	0 0000	0 0070	0 0000
BF5-07C	0.1308	0.0052	0.2053	0.1803	0.3442	0.0088	0.0978	0.0026
BF5-14	0.1345	0.0065	6.5138	0.2430	0.3514	0.0107	0.0996	0.0032
Session stand	ards							
91500-135	0.0752	0.0019	1.8552	0.0530	0.1791	0.0046	0.0532	0.0019
91500-136	0.0751	0.0017	1.8216	0.0477	0.1761	0.0043	0.0520	0.0017
91500-137	0.0755	0.0017	1.8739	0.0496	0.1799	0.0045	0.0542	0.0017
91500-138	0.0744	0.0017	1.8412	0.0498	0.1795	0.0045	0.0535	0.0018
91500-139	0.0747	0.0018	1.8600	0.0515	0.1805	0.0046	0.0524	0.0019
GJ-1	0.0602	0.0014	0.8124	0.0209	0.0979	0.0024	0.0310	0.0012
GJ-2	0.0605	0.0017	0.8048	0.0232	0.0965	0.0022	0.0308	0.0019
GJ-3	0.0597	0.0017	0.8356	0.0243	0.1015	0.0023	0.0310	0.0020
GJ-4	0.0602	0.0015	0.7913	0.0210	0.0954	0.0023	0.0304	0.0014
GJ-3	0.0598	0.0015	0.8318	0.0217	0.1010	0.0023	0.0309	0.0016
GJ-4	0.0602	0.0014	0.7899	0.0197	0.0952	0.0022	0.0305	0.0012
GJ-5	0.0601	0.0015	0.8224	0.0221	0.0992	0.0024	0.0308	0.0015
GJ-6	0.0601	0.0015	0.8049	0.0224	0.0972	0.0024	0.0309	0.0016
GJ-5	0.0602	0.0014	0.8209	0.0209	0.0990	0.0024	0.0308	0.0012
GJ-6	0.0600	0.0014	0.8037	0.0208	0.0971	0.0023	0.0309	0.0013
GJ-7	0.0602	0.0014	0.8208	0.0219	0.0988	0.0024	0.0308	0.0014
GJ-8	0.0601	0.0015	0.8081	0.0222	0.0976	0.0024	0.0308	0.0015
GJ-7	0.0602	0.0013	0.8201	0.0206	0.0989	0.0024	0.0309	0.0012
GJ-8	0.0601	0.0014	0.8068	0.0208	0.0974	0.0024	0.0308	0.0012
GJ-9	0.0605	0.0015	0.8190	0.0222	0.0982	0.0024	0.0303	0.0015
GJ-10	0.0598	0.0015	0.8086	0.0215	0.0981	0.0023	0.0314	0.0015
GJ-9	0.0605	0.0014	0.8178	0.0210	0.0981	0.0024	0.0304	0.0012
GJ-10	0.0597	0.0014	0.8081	0.0203	0.0981	0.0023	0.0315	0.0012
GJ-11	0.0602	0.0008	0.8101	0.0113	0.0976	0.0012	0.0307	0.0008
MT-98	0.0630	0.0022	1.0463	0.0371	0.1204	0.0031	0.0360	0.0018
MT-99	0.0639	0.0019	1.0590	0.0321	0.1201	0.0029	0.0372	0.0015
MT-100	0.0641	0.0016	1 0530	0.0308	0 1192	0.0031	0.0362	0.0012
MT-101	0.0637	0.0015	1 0526	0.0286	0 1198	0.0030	0.0366	0.0011
SAMPLE BE6	21	176 🏟 17	1.0020	0.0200	0.1100	0.0000	0.0000	Common-L
BF6-01	0 1359	0.0031	7 2195	0 1696	0.3855	0 0084	0 1068	0 0037
BE6-03	0 1347	0.0030	7 3058	0 1744	0 3934	0.0090	0 1156	0.0038
BF6-05	0 1368	0.0030	7 1616	0 1683	0.3707	0.0000	0 1111	0.0000
BF6_06	0 1367	0.0000	7 4600	0.1810	0 3050	0 0000	0 1160	0.0000
BF6_07	0 1370	0.0001	7 5275	0.1831	0.3086	0.0030	0.1100	0.0042
BE6_08	0.1357	0.0032	7 0644	0.1001	0.3300	0.0009	0.1101	0.0040
00-00	0.1007	0.0000	1.0044	0.1700	0.5777	0.0000	0.1104	0.0047

BF6-09	0.1347	0.0032	7.1848	0.1810	0.3868	0.0090	0.1123	0.0046
BF6-10	0.1349	0.0031	6.9174	0.1672	0.3718	0.0083	0.1034	0.0040
BF6-11	0.1366	0.0035	7.4150	0.2011	0.3939	0.0094	0.1151	0.0054
BF6-12	0.1348	0.0031	7.2292	0.1653	0.3891	0.0082	0.1143	0.0041
BE6-13	0 1356	0.0031	7 2636	0 1781	0.3886	0.0090	0 1120	0.0039
BF6-14	0 1373	0.0030	7 2593	0 1715	0.3836	0.0088	0 1122	0.0035
BF6-15	0 1366	0.0000	7 1183	0 1671	0.3780	0.0083	0 1070	0.0000
BF6 16	0.1356	0.0030	7 3 3 8 1	0.1071	0.3026	0.0000	0.1070	0.0020
DE6 17	0.1350	0.0030	6 9007	0.1774	0.3920	0.0091	0.1100	0.0037
	0.1307	0.0033	0.0907	0.1932	0.3037	0.0095	0.0093	0.0030
DF0-10	0.1300	0.0030	7.2707	0.1769	0.3001	0.0091	0.1114	0.0030
BF6-19	0.1363	0.0031	7.3926	0.1921	0.3935	0.0096	0.1146	0.0044
BF6-20	0.1366	0.0031	7.4297	0.1912	0.3945	0.0095	0.1139	0.0044
BF6-21	0.1355	0.0034	7.4045	0.2055	0.3963	0.0099	0.1147	0.0054
Rejected								
BF6-04	0.1356	0.0044	6.6758	0.1589	0.3571	0.0077	0.1011	0.0023
Session standa	ards							
91500-128	0.0749	0.0017	1.8323	0.0440	0.1775	0.0040	0.0536	0.0016
91500-129	0.0754	0.0017	1.8347	0.0457	0.1765	0.0041	0.0539	0.0016
GJ-271	0.0599	0.0013	0.8096	0.0192	0.0980	0.0022	0.0312	0.0012
GJ-272	0.0604	0.0013	0.8113	0.0193	0.0974	0.0022	0.0302	0.0011
GJ-273	0.0601	0.0014	0.8092	0.0202	0.0977	0.0022	0.0307	0.0014
GJ-274	0.0602	0.0014	0.8142	0.0203	0.0981	0.0022	0.0310	0 0014
GJ-273	0.0601	0.0013	0.8087	0.0191	0.0977	0.0022	0.0307	0.0011
G I-274	0.0001	0.0013	0.8151	0.0101	0.0077	0.0022	0.0311	0.0011
GI 275	0.0000	0.0010	0.0101	0.0101	0.0001	0.0022	0.0300	0.0011
GJ-276	0.0004	0.0014	0.0141	0.0203	0.0970	0.0022	0.0309	0.0014
GJ-270	0.0000	0.0009	1.0570	0.0114	0.0977	0.0010	0.0304	0.0010
MT-92	0.0638	0.0015	1.0579	0.0265	0.1204	0.0028	0.0375	0.0011
MI-93	0.0638	0.0015	1.0507	0.0257	0.1194	0.0026	0.0364	0.0011
SAMPLE: BF/		Age					00	mmon-L
BF7-48	0.1337	0.0049	6.7492	0.1857	0.3663	0.0091	0.1039	0.0027
BF7-36	0.1312	0.0050	6.5603	0.1908	0.3625	0.0089	0.1030	0.0027
BF7-42	0.1312	0.0033	7.1797	0.1835	0.3970	0.0088	0.1240	0.0058
Rejected								
BF7-44	0.1317	0.0052	6.1176	0.2039	0.3369	0.0073	0.0957	0.0023
BF7-15	0.1343	0.0030	6.5474	0.1674	0.3537	0.0086	0.1044	0.0040
BF7-29	0.1329	0.0049	6.9724	0.1977	0.3805	0.0088	0.1080	0.0028
BF7-46	0.1247	0.0047	2.0028	0.0575	0.1165	0.0028	0.0333	0.0009
BF7-47	0.1195	0.0053	3.3157	0.1131	0.2013	0.0057	0.0577	0.0018
BF7-49	0.1101	0.0049	2.2342	0.0806	0.1471	0.0039	0.0425	0.0015
BF7-50	0.1232	0.0052	3,4071	0.1121	0.2007	0.0052	0.0574	0.0018
BE7-56	0 1180	0.0049	3 1344	0 1046	0 1927	0.0046	0.0553	0.0016
BF7-03	0.0810	0.0010	1 5803	0.0783	0.1027	0.0031	0.0423	0.0010
BF7_10	0.0010	0.0039	1.5065	0.0700	0.1410	0.0001	0.0420	0.0020
DE7 11	0.0970	0.0055	2 0073	0.0000	0.1119	0.0023	0.0320	0.0013
	0.0903	0.0037	2.0073	0.1003	0.1401	0.0033	0.0433	0.0022
	0.0907	0.0034	1.4132	0.0412	0.1130	0.0027	0.0333	0.0009
BF7-13	0.1072	0.0055	3.0405	0.1414	0.2057	0.0046	0.0596	0.0025
BF7-19	0.1246	0.0046	3.4164	0.1032	0.1989	0.0042	0.0568	0.0018
BF7-21	0.1037	0.0044	2.0067	0.0651	0.1403	0.0039	0.0408	0.0014
BF7-34	0.1080	0.0053	2.3182	0.0890	0.1556	0.0046	0.0451	0.0016
BF7-40	0.1226	0.0053	4.7398	0.1652	0.2804	0.0070	0.0802	0.0024
Session standa	ards							
91500-132	0.0746	0.0018	1.8733	0.0490	0.1822	0.0044	0.0543	0.0018

91500-130	0.0741	0.0017	1.8183	0.0447	0.1781	0.0041	0.0544	0.0016
91500-131	0.0750	0.0017	1.8348	0.0448	0.1775	0.0041	0.0538	0.0016
91500-131	0.0756	0.0017	1.8221	0.0460	0.1749	0.0041	0.0533	0.0016
GJ-281	0.0603	0.0014	0.8122	0.0207	0.0977	0.0023	0.0309	0.0013
G.I-282	0.0599	0.0014	0.8060	0.0205	0.0976	0.0023	0.0307	0.0013
GJ-283	0.0605	0.0015	0.8134	0.0200	0.0076	0.0023	0.0302	0.0015
G I_284	0.0000	0.0015	0.0104	0.0217	0.0070	0.0020	0.0002	0.0016
GI 275	0.0000	0.0013	0.0031	0.0217	0.0900	0.0023	0.0010	0.0010
GJ-275	0.0004	0.0013	0.0133	0.0192	0.0977	0.0022	0.0309	0.0011
GJ-270	0.0599	0.0013	0.0007	0.0195	0.0960	0.0022	0.0307	0.0011
GJ-277	0.0600	0.0014	0.8150	0.0207	0.0986	0.0023	0.0313	0.0014
GJ-278	0.0603	0.0015	0.8063	0.0208	0.0971	0.0022	0.0303	0.0014
GJ-2//	0.0600	0.0013	0.8147	0.0196	0.0985	0.0022	0.0311	0.0012
GJ-278	0.0602	0.0013	0.8060	0.0194	0.0971	0.0022	0.0303	0.0012
GJ-279	0.0605	0.0015	0.8135	0.0217	0.0976	0.0023	0.0316	0.0015
GJ-280	0.0598	0.0007	0.8090	0.0108	0.0981	0.0012	0.0301	0.0008
MT-96	0.0637	0.0015	1.0575	0.0276	0.1205	0.0029	0.0358	0.0011
MT-94	0.0632	0.0015	1.0258	0.0262	0.1178	0.0028	0.0351	0.0011
MT-95	0.0636	0.0015	1.0442	0.0269	0.1191	0.0028	0.0360	0.0011
SAMPLE: BF8	22	265 � 17 M	а					Common-L
BF8-05	0.1439	0.0034	8.1836	0.2096	0.4125	0.0097	0.1294	0.0060
BF8-15	0.1443	0.0034	8.1877	0.2173	0.4115	0.0102	0.1116	0.0047
BF8-16	0.1433	0.0054	7.7599	0.2209	0.3929	0.0096	0.1107	0.0028
BF8-24	0.1450	0.0053	8.0189	0.2844	0.4011	0.0091	0.1175	0.0107
BF8-25	0 1424	0.0056	7 9262	0 2292	0 4039	0.0106	0 1138	0.0031
BF8-30R	0.1421	0.0043	7 9016	0.2262	0.4034	0.0090	0.1100	0.0088
BF8-30C	0.1421	0.0040	8 7200	0.2007	0.4004	0.0000	0.1217	0.0000
BE8 31	0.1430	0.0032	8 2681	0.2100	0.4410	0.0102	0.1237	0.0040
DE0 26	0.1450	0.0037	7 0174	0.2315	0.4195	0.0103	0.1210	0.0000
DF0-30 Dejected	0.1559	0.0001	7.0174	0.2430	0.3740	0.0100	0.1001	0.0032
	0 4 2 0 0	0.0050	6 7044	0 4700	0.0540	0.0004	0 0000	0.0005
BF8-01	0.1388	0.0050	6.7244	0.1788	0.3513	0.0084	0.0993	0.0025
BF8-02	0.1410	0.0034	6.6287	0.1944	0.3410	0.0093	0.0885	0.0039
BF8-04	0.1429	0.0061	6.5286	0.2096	0.3314	0.0092	0.0934	0.0028
BF8-08	0.1416	0.0058	7.1562	0.2202	0.3666	0.0100	0.1034	0.0029
BF8-10	0.1433	0.0063	5.8774	0.2021	0.2974	0.0082	0.0838	0.0025
BF8-12	0.1330	0.0049	5.8407	0.1627	0.3185	0.0076	0.0904	0.0023
BF8-19	0.0892	0.0065	0.9944	0.0687	0.0809	0.0019	0.0239	0.0015
BF8-23	0.1238	0.0045	3.0051	0.0844	0.1761	0.0041	0.0503	0.0014
BF8-21	0.1443	0.0035	7.3954	0.1932	0.3717	0.0088	0.1036	0.0047
BF8-28	0.1436	0.0035	7.4017	0.1947	0.3738	0.0088	0.0728	0.0038
BF8-33	0.1396	0.0037	7.0732	0.2205	0.3676	0.0102	0.0875	0.0050
Session standa	ards							
91500-133	0.0753	0.0018	1.8908	0.0490	0.1821	0.0042	0.0543	0.0019
91500-134	0.0749	0.0018	1.8673	0.0481	0.1808	0.0041	0.0534	0.0019
GJ-283	0.0604	0.0014	0.8123	0.0202	0.0975	0.0023	0.0302	0.0012
G.I-284	0.0599	0.0013	0.8095	0.0200	0.0981	0.0023	0.0313	0.0012
GJ-287	0.0600	0.0015	0.8115	0.0217	0.0981	0.0023	0.0311	0.0015
G I-288	0.0604	0.0015	0.8133	0.0223	0.0007	0.0023	0.0306	0.0016
G I-287	0.0600	0.0010	0.8110	0.0220	0.0077	0.0020	0.0000	0.0010
GI 288	0.0000	0.0014	0.0119	0.0200	0.0301	0.0020	0.0310	0.0012
C   280	0.0000	0.0014	0.0132	0.0209	0.0970	0.0020	0.0007	0.0013
01-209	0.0099	CI UU.U	0.0070	0.0210	0.09//	0.0023	0.0300	0.0010
GJ-290	0.0004		0.0120	0.0110	0.09/0	0.0012	0.0307	0.0008
IVI I -97	0.0640	0.0015	1.0711	0.0276	0.1215	0.0029	0.0364	0.0011

MT-98	0.0640	0.0015	1.0393	0.0273	0.1178	0.0028	0.0350	0.0011
SAMPLE: BF9	1	No Age						Common-L
BF9-01	0.1321	0.0031	7.1227	0.1802	0.3910	0.0091	0.1148	0.0043
BF9-02	0.1324	0.0031	7.1099	0.1884	0.3894	0.0096	0.1151	0.0046
BF9-14	0.1327	0.0031	7.1421	0.1724	0.3903	0.0086	0.1156	0.0046
Inherited								
BF9-08	0.1630	0.0059	9.7682	0.2730	0.4347	0.0101	0.1209	0.0030
BF9-09	0.1652	0.0039	10.6759	0.2599	0.4687	0.0103	0.1358	0.0057
Rejected								
BF9-03	0.1608	0.0053	5.3052	0.1377	0.2394	0.0049	0.0667	0.0015
BF9-06	0.1357	0.0050	2.0567	0.0618	0.1100	0.0024	0.0311	0.0015
BF9-07	0.1444	0.0036	3.7551	0.1138	0.1886	0.0052	0.0433	0.0022
BF9-12	0.5191	0.0236	4.2974	0.1699	0.0600	0.0020	0.1219	0.0106
BF9-13	0.1773	0.0083	5.3724	0.2111	0.2197	0.0056	0.0606	0.0027
Session standa	ards							
91500-143	0.0752	0.0017	1.8317	0.0463	0.1767	0.0042	0.0528	0.0016
GJ-5	0.0602	0.0013	0.8145	0.0197	0.0981	0.0022	0.0306	0.0011
GJ-6	0.0600	0.0013	0.8038	0.0195	0.0973	0.0022	0.0309	0.0012
GJ-7	0.0604	0.0015	0.8180	0.0209	0.0982	0.0022	0.0309	0.0014
GJ-8	0.0599	0.0007	0.8025	0.0103	0.0972	0.0011	0.0306	0.0007
MT-104	0.0646	0.0015	1.0505	0.0267	0.1180	0.0027	0.0354	0.0010
SAMPLE: BF1	0	No Age						Common-L
BF10-07	0.1347	0.0034	7.3250	0.2062	0.3944	0.0100	0.1137	0.0056
BF10-21	0.1343	0.0029	7.1711	0.1753	0.3873	0.0091	0.1109	0.0037
Rejected								
BF10-01	0.2330	0.0135	5.5910	0.2663	0.1741	0.0057	0.0468	0.0018
BF10-02	0.1319	0.0055	5.1866	0.1666	0.2852	0.0076	0.0810	0.0024
BF10-06C	0.1252	0.0045	5.4974	0.1503	0.3186	0.0074	0.0909	0.0022
BF10-06R	0.1216	0.0055	5.1197	0.1809	0.3054	0.0085	0.0874	0.0026
BF10-08	0.1304	0.0050	5.5938	0.1709	0.3112	0.0074	0.0885	0.0023
BF10-11	0.1253	0.0046	4.7605	0.1270	0.2755	0.0068	0.0786	0.0020
BF10-12	0.1418	0.0064	3.3841	0.1183	0.1731	0.0049	0.0488	0.0018
BF10-13	0.1320	0.0032	5.8260	0.1430	0.3202	0.0069	0.0750	0.0032
BF10-15	0.1169	0.0052	4.8044	0.1644	0.2981	0.0085	0.0857	0.0026
BF10-17	0.1216	0.0070	5.5177	0.2678	0.3291	0.0103	0.0942	0.0032
BF10-18	0.1297	0.0067	3.4781	0.1442	0.1945	0.0059	0.0553	0.0019
BF10-20	0.1188	0.0040	4.5270	0.1115	0.2763	0.0064	0.0793	0.0019
BF10-23	0.1286	0.0083	4.7938	0.2665	0.2704	0.0090	0.0770	0.0029
BF10-24	0.1291	0.0048	4.4162	0.1320	0.2480	0.0056	0.0706	0.0018
BF10-25	0.1392	0.0054	5.5593	0.2338	0.2897	0.0091	0.0536	0.0050
BF10-26	0.1312	0.0030	4.5135	0.1109	0.2495	0.0056	0.0575	0.0024
BF10-27	0.1294	0.0069	4.0629	0.1768	0.2277	0.0071	0.0648	0.0022
BF10-28	0.1138	0.0029	5.0168	0.1511	0.3199	0.0087	0.0875	0.0042
BF10-29	0.1180	0.0048	5.3017	0.1602	0.3259	0.0087	0.0936	0.0026
BF10-30	0.1112	0.0038	4.5287	0.1197	0.2954	0.0066	0.0853	0.0020
BF10-32	0.1127	0.0032	5.0981	0.1639	0.3280	0.0089	0.0931	0.0058
BF10-33	0.1131	0.0027	4.9636	0.1274	0.3184	0.0073	0.0924	0.0041
BF10-34	0.1180	0.0047	4.9678	0.1504	0.3052	0.0078	0.0876	0.0024
SAMPLE: BF1	2	2169 � 18						Common-L
BF12-01Z	0.1348	0.0034	7.1326	0.1905	0.3840	0.0092	0.1102	0.0050
BF12-02Z	0.1303	0.0082	5.3999	0.2880	0.3006	0.0100	0.0854	0.0031
BF12-03Z	0.1338	0.0051	6.7721	0.1927	0.3671	0.0094	0.1041	0.0028

BF12-04Z	0.1313	0.0044	6.4198	0.1676	0.3547	0.0076	0.1008	0.0023
Session standa	ards							
91500-140	0.0752	0.0019	1.8496	0.0532	0.1785	0.0046	0.0538	0.0021
91500-141	0.0749	0.0018	1.8391	0.0484	0.1781	0.0042	0.0526	0.0018
91500-142	0.0747	0.0018	1.8357	0.0487	0.1783	0.0043	0.0533	0.0018
GJ-1	0.0597	0.0013	0.8117	0.0200	0.0986	0.0023	0.0307	0.0012
GJ-2	0.0607	0 0014	0 8158	0 0205	0.0975	0.0023	0.0311	0.0013
GJ-3	0.0602	0.0015	0.8172	0.0215	0.0984	0.0022	0.0308	0.0016
G I-4	0.0600	0.0016	0.8067	0.0210	0.0004	0.0022	0.0000	0.0017
G L 1	0.0601	0.0013	0.8107	0.0222	0.0078	0.0020	0.0305	0.0017
G12	0.0001	0.0013	0.0107	0.0100	0.0370	0.0022	0.0303	0.0012
GJ-Z	0.0002	0.0013	0.0109	0.0194	0.0976	0.0022	0.0311	0.0012
GJ-3	0.0004	0.0014	0.0202	0.0211	0.0960	0.0023	0.0300	0.0014
GJ-4	0.0600	0.0015	0.8072	0.0214	0.0976	0.0023	0.0310	0.0015
GJ-3	0.0603	0.0013	0.8198	0.0199	0.0986	0.0023	0.0308	0.0012
GJ-4	0.0600	0.0014	0.8061	0.0200	0.0975	0.0023	0.0310	0.0012
GJ-5	0.0602	0.0014	0.8173	0.0208	0.0985	0.0023	0.0307	0.0014
GJ-6	0.0600	0.0007	0.8047	0.0104	0.0972	0.0011	0.0309	0.0007
MT-102	0.0637	0.0015	1.0361	0.0269	0.1181	0.0028	0.0359	0.0011
MT-103	0.0635	0.0015	1.0491	0.0266	0.1199	0.0028	0.0356	0.0010
MT-104	0.0641	0.0016	1.0537	0.0290	0.1193	0.0029	0.0363	0.0012
SAMPLE: BF1	1 No	Age					Co	ommon-L
BF11-05	0.1351	0.0040	7.3848	0.2606	0.3966	0.0120	0.1229	0.0083
BF11-10C	0.1359	0.0051	6.8525	0.2074	0.3658	0.0083	0.1036	0.0026
Inherited								
BF11-02	0.1431	0.0035	7.7143	0.2308	0.3910	0.0109	0.1144	0.0053
BF11-04	0.1448	0.0038	7.3661	0.1894	0.3689	0.0079	0.0894	0.0046
BF11-08	0.1413	0.0057	7.7776	0.2379	0.3992	0.0106	0.1126	0.0031
Rejected								
BE11-03	0 1367	0 0031	6 4096	0 1647	0 3401	0 0083	0 0957	0 0036
BF11-06	0 1394	0.0064	6.3322	0 2247	0.3294	0.0096	0.0930	0.0030
BF11_07	0.1328	0.0057	4 9453	0.1602	0.2701	0.0076	0.0766	0.0000
BF11_11	0.1330	0.0056	5 2752	0.1002	0.2858	0.0070	0.0700	0.0020
BE11 12	0.1352	0.0000	5 3582	0.1701	0.2875	0.0070	0.0010	0.0020
Session stand	o. 1002	0.0044	0.0002	0.133-	0.2075	0.0007	0.0004	0.0070
01500 125	0.0746	0 0019	1 9500	0 0 4 9 0	0 1700	0 0044	0.0549	0 0010
91000-100	0.0740	0.0018	0.9074	0.0409	0.1799	0.0044	0.0040	0.0010
GJ-209	0.0599	0.0014	0.0074	0.0202	0.0977	0.0023	0.0306	0.0013
GJ-290	0.0604	0.0014	0.8133	0.0205	0.0976	0.0023	0.0306	0.0013
GJ-291	0.0599	0.0015	0.8047	0.0215	0.0975	0.0023	0.0307	0.0016
GJ-292	0.0604	0.0008	0.8157	0.0110	0.0980	0.0012	0.0309	0.0008
MT-99	0.0639	0.0016	1.0638	0.0288	0.1207	0.0029	0.0371	0.0012
R A	ATIOS							
Analysis NcPb2	207/Pb2 1s	Pb	207/U23 1s	PI	o206/U231s		Pb208/Th2 1s	
SAMPLE: NG1	1 21 <sup>-</sup>	14 <b>�</b> 9 Ma						
NG-1-01	0.1314	0.0014	6.9241	0.0781	0.3822	0.0042	0.1138	0.0016
NG-1-08	0.1307	0.0017	6.7717	0.0906	0.3757	0.0045	0.1108	0.0021
NG-1-09	0.1301	0.0017	6.9488	0.0943	0.3873	0.0047	0.1146	0.0021
NG-1-10C	0.1342	0.0025	7.0939	0.1046	0.3835	0.0042	0.1087	0.0012
NG-1-10R	0.1310	0.0016	7.0380	0.0924	0.3897	0.0046	0.1135	0.0020
NG-1-11	0.1309	0.0016	6.7851	0.0846	0.3760	0.0042	0.1116	0.0023
NG-1-12	0.1302	0.0015	6.9574	0.0874	0.3877	0.0046	0.1112	0.0021
NG-1-14	0.1312	0.0016	6.8086	0.0851	0.3765	0.0043	0.1123	0.0020
NG-1-21	0.1305	0.0016	6.6969	0.0863	0.3722	0.0043	0.1070	0.0021

NG-1-30	0.1298	0.0018	6.7589	0.0934	0.3776	0.0043	0.1095	0.0026
NG-1-34	0.1322	0.0019	7.2512	0.1132	0.3980	0.0052	0.1159	0.0032
NG-1-41	0.1300	0.0021	6.8929	0.1097	0.3844	0.0048	0.1136	0.0034
NG-1-49C	0.1317	0.0015	7.1055	0.0839	0.3914	0.0044	0.1112	0.0019
Rejected								
NG-1-02	0.0860	0.0044	2.2732	0.1129	0.1917	0.0026	0.0569	0.0011
NG-1-05	0.1310	0.0015	6.5849	0.0789	0.3646	0.0042	0.1074	0.0016
NG-1-06	0 1196	0.0026	5 1312	0 0944	0.3112	0.0034	0.0892	0.0011
NG-1-17C	0.0657	0.0060	1 1642	0 1052	0 1285	0.0019	0.0393	0.0020
NG-1-17R	0 1113	0.0028	2 3766	0.0488	0 1549	0.0023	0.0448	0.0017
NG-1-19	0 1248	0.0042	6 2406	0 1911	0.3627	0.0049	0 1035	0.0013
NG-1-25	0.1210	0.0032	5 2699	0 1258	0.3159	0.0038	0.0905	0.0011
NG-1-26	0 1374	0.0023	4 0719	0.0646	0.2150	0.0025	0.1310	0.0011
NG-1-38	0 1405	0.0025	2 4954	0.0482	0.1288	0.0020	0 1163	0.0011
NG-1-46	0.1346	0.0020	6 9646	0.0402	0.3752	0.0020	0.1117	0.0041
NG-1-47	0.1340	0.0020	6 5962	0.0804	0.3645	0.0002	0.1030	0.0020
NG-1-48	0.1364	0.0016	6 9853	0.0004	0.3715	0.0042	0.1080	0.0010
NG_1_40P	0.1324	0.0010	4 7104	0.0027	0.2580	0.0040	0.1001	0.0010
NG_1_50	0.1324	0.0031	6 6031	0.0903	0.2500	0.0034	0.0752	0.0012
NG 1 54	0.1322	0.0010	4 8870	0.0504	0.2053	0.0040	0.1000	0.0021
NG 1 55	0.1200	0.0040	4.0079	0.1013	0.2955	0.0036	0.0047	0.0011
NG-1-55	0.1330	0.0051	7 7 2 2 2	0.1001	0.2491	0.0030	0.0707	0.0010
NG-1-50	0.0912	0.0031	2.7203	0.1478	0.2109	0.0030	0.0039	0.0011
NG-1-50	0.1200	0.0035	2.0920	0.0743	0.1740	0.0024	0.0301	0.0015
NG-1-00	0.1370	0.0022	4.7021	0.0042	0.2505	0.0030	0.1270	0.0044
NG-1-00	0.1310	0.0016	0.0110	0.1011	0.3043	0.0049	0.1050	0.0024
NG-1-00	0.1324	0.0010	0.0130	0.0092	0.3024	0.0040	0.1050	0.0019
NG-1-07	0.1209	0.0046	0.1014	0.2259	0.3706	0.0059	0.1002	0.0010
NG-1-09	0.1140	0.0036	2.0102	0.0565	0.1270	0.0017	0.0300	0.0009
		0 0000	1 0001	0 0000	0 1740	0 0000	0.0500	0 0000
91500-68	0.0750	0.0008	1.8081	0.0220	0.1748	0.0020	0.0528	0.0008
91500-69	0.0756	0.0009	1.8387	0.0228	0.1763	0.0021	0.0527	0.0008
91500-70	0.0759	0.0009	1.8139	0.0226	0.1734	0.0020	0.0510	0.0008
91500-71	0.0749	0.0009	1.8055	0.0231	0.1748	0.0021	0.0519	0.0008
91500-68	0.0750	0.0008	1.8081	0.0220	0.1748	0.0020	0.0528	0.0008
91500-69	0.0756	0.0009	1.8387	0.0228	0.1763	0.0021	0.0527	0.0008
91500-70	0.0759	0.0009	1.8139	0.0226	0.1734	0.0020	0.0510	0.0008
91500-71	0.0749	0.0009	1.8055	0.0231	0.1748	0.0021	0.0519	8000.0
MT-59	0.0648	0.0008	1.0366	0.0129	0.1161	0.0013	0.0353	0.0005
MI-60	0.0643	0.0007	1.0429	0.0127	0.1177	0.0013	0.0356	0.0005
MT-61	0.0638	0.0008	1.0395	0.0132	0.1182	0.0014	0.0357	0.0005
MT-62	0.0636	0.0008	1.0172	0.0131	0.1160	0.0014	0.0363	0.0005
MT-63	0.0651	0.0008	1.0685	0.0143	0.1191	0.0014	0.0378	0.0006
SAMPLE: SG5	5 No	Age						
SG5-18	0.1317	0.0014	6.8681	0.0831	0.3783	0.0045	0.1190	0.0019
SG5-53	0.1235	0.0024	6.0176	0.0936	0.3534	0.0042	0.1010	0.0013
Rejected								
SG5-01	0.1209	0.0020	3.9223	0.0513	0.2353	0.0025	0.0674	0.0007
SG5-02	0.1156	0.0024	3.6405	0.0615	0.2284	0.0028	0.0657	0.0009
SG5-04	0.1152	0.0022	3.4674	0.0557	0.2184	0.0023	0.0629	0.0007
SG5-07	0.1201	0.0023	3.9593	0.0596	0.2391	0.0028	0.0685	0.0009
SG5-09	0.1215	0.0024	3.9524	0.0591	0.2360	0.0029	0.0676	0.0009
SG5-10	0.1256	0.0022	5.2433	0.0702	0.3027	0.0033	0.0864	0.0010

SG5-11	0.1188	0.0025	4.0011	0.0714	0.2443	0.0029	0.0701	0.0009
SG5-12	0.1253	0.0022	5.4967	0.0775	0.3182	0.0035	0.0908	0.0010
SG5-15	0.1213	0.0022	4.2523	0.0572	0.2543	0.0029	0.0728	0.0009
SG5-22	0 1144	0.0020	3 3363	0 0454	0 2116	0.0024	0.0609	0.0008
SG5-24	0 1265	0.0023	5 5971	0.0769	0.3208	0.0036	0.0915	0.0011
SG5-31	0.1200	0.0020	3 8906	0.0639	0.0200	0.0000	0.0669	
SC5 38	0.1200	0.0020	3 4 3 2 1	0.0000	0.2004	0.0025	0.0000	0.0000
SG5-50	0.1130	0.0024	1 0576	0.0301	0.2091	0.0023	0.0000	0.0000
SG5-51	0.1230	0.0022	4.9570	0.0704	0.2908	0.0033	0.0631	0.0010
SG5-52	0.11//	0.0024	3.2002	0.0342	0.2009	0.0022	0.0577	0.0007
SG5-03	0.1307	0.0016	3.0982	0.0392	0.1719	0.0019	0.0417	0.0010
SG5-05	0.1263	0.0029	2.6856	0.0536	0.1542	0.0017	0.0440	0.0005
SG5-13	0.1222	0.0023	4.8093	0.0759	0.2854	0.0031	0.0816	0.0010
SG5-20	0.1069	0.0021	2.1894	0.0352	0.1485	0.0017	0.0431	0.0005
SG5-21	0.1398	0.0017	2.9218	0.0371	0.1516	0.0017	0.0413	0.0010
SG5-23	0.1496	0.0018	2.3965	0.0303	0.1162	0.0013	0.0284	0.0007
SG5-25	0.1171	0.0024	4.4236	0.0764	0.2741	0.0032	0.0788	0.0011
SG5-27	0.1007	0.0031	1.4505	0.0402	0.1045	0.0013	0.0305	0.0004
SG5-33	0.1048	0.0020	2.1474	0.0326	0.1486	0.0017	0.0432	0.0005
SG5-35	0.1114	0.0022	2.7330	0.0421	0.1779	0.0022	0.0514	0.0007
SG5-42	0.1337	0.0037	3.2042	0.0780	0.1738	0.0022	0.0493	0.0006
SG5-45	0.1124	0.0023	3.0214	0.0520	0.1949	0.0022	0.0562	0.0008
SG5-49	0 1045	0.0024	4 4 5 9 2	0.0884	0.3095	0.0035	0.0900	0.0013
Session stand	ards	0.002-	4.4002	0.0004	0.0000	0.0000	0.0000	0.0010
01500_81	0 07/1	0 0000	1 8188	0 0224	0 1780	0 0020	0 0549	0 0000
01500-01	0.0745	0.0003	1.0100	0.0224	0.1765	0.0020	0.0543	0.0003
91500-02	0.0740	0.0009	1.0135	0.0227	0.1705	0.0021	0.0541	0.0009
91000-00 MT 70	0.0750	0.0009	1.0200	0.0220	0.1700	0.0020	0.0349	0.0009
IVI I -73	0.0641	0.0008	1.0384	0.0132	0.1175	0.0013	0.0365	0.0006
MII-74	0.0647	0.0008	1.0503	0.0136	0.1178	0.0014	0.0365	0.0006
MI-75	0.0640	0.0008	1.0463	0.0134	0.1185	0.0014	0.0366	0.0006
SAMPLE: SG6	5 2	094 <b>🌒</b> 18 N	1a					
SG6-02	0.1289	0.0016	6.7499	0.0839	0.3800	0.0043	0.1125	0.0021
SG6-06	0.1305	0.0015	6.7112	0.0879	0.3729	0.0045	0.1096	0.0021
SG6-10	0.1287	0.0014	6.7299	0.0820	0.3792	0.0044	0.1125	0.0021
SG6-13	0.1317	0.0027	6.5890	0.1062	0.3629	0.0045	0.1031	0.0013
SG6-18	0.1303	0.0016	6.9175	0.0945	0.3852	0.0047	0.1110	0.0025
Inherited								
SG6-07	0.1337	0.0015	6.5944	0.0813	0.3578	0.0042	0.0984	0.0018
SG6-21	0.1346	0.0016	7.2790	0.0967	0.3921	0.0049	0.1564	0.0028
Rejected								
SG6-01	0.1021	0.0019	1.8141	0.0269	0.1289	0.0015	0.0376	0.0010
SG6-04	0 1112	0.0013	2 5796	0.0302	0 1683	0.0018	0.0482	0.0010
SG6-11	0 1058	0.0019	2 1702	0.0296	0 1488	0.0017	0.0432	0.0007
SG6-14	0.1000	0.0012	1 0700	0.0134	0.0790	0.0009	0.0102	0.0007
SC6-23	0.0000	0.0012	1 3883	0.0182	0.0773	0.0000	0.2507	0.0020
SC6 25	0.1505	0.0010	0.2221	0.0102	0.0775	0.0005	0.2007	0.0007
SG0-25 SC6 29	0.0040	0.0033	0.2331	0.0147	0.0310	0.0005	0.0097	0.0002
SG0-20 SC6 22	0.1140	0.0023	4.9101	0.0700	0.0109	0.0030	0.0090	
SG0-33	0.1000	0.0015	1.2974	0.0165	0.0000	0.0011	0.1949	0.0000
360-30	0.0995	0.0020	2.2/44	0.0362	0.1058	0.0020	0.0484	0.0007
566-38	0.1146	0.0021	3.3098	0.0479	0.2095	0.0023	0.0603	0.0009
SG6-4/	0.1118	0.0013	0.8562	0.0115	0.0555	0.0007	0.2929	0.0062
SG6-57	0.1179	0.0021	3.4651	0.0456	0.2132	0.0025	0.0612	0.0008
SG6-61	0.0954	0.0022	1.3979	0.0275	0.1063	0.0012	0.0312	0.0008

Session stand	ards							
91500-84	0.0754	0.0009	1.8321	0.0235	0.1763	0.0021	0.0544	0.0009
91500-85	0.0744	0.0009	1.8147	0.0232	0.1770	0.0021	0.0548	0.0009
MT-76	0.0632	0.0008	1.0396	0.0138	0.1194	0.0014	0.0367	0.0006
MT-77	0.0632	0.0008	1.0327	0.0143	0.1186	0.0014	0.0362	0.0006

CONCENT	RATIONS	(ppm)	AGES(Ma)					
Th	U	Analysis N	kPb207/Pb2 +/- 2	s	Pb207/U23 +/- 2	2 s	Pb206/U23+	⊦/- 2 s
ead Correc	ted							
257.6	1042.1	BF1-01	2113.0	62.0	2078.0	22.0	2044.0	42.0
204.8	829.5	BF1-03	2138.0	40.0	2106.0	22.0	2073.0	42.0
127.0	521.9	BF1-07	2120.0	42.0	2089.0	24.0	2058.0	42.0
708.5	3043.8	BF1-09	2117.0	46.0	2095.0	26.0	2072.0	48.0
121.5	451.6	BF1-14R	2113.0	46.0	2081.0	24.0	2048.0	40.0
132.0	536.1	BF1-15	2118.0	40.0	2088.0	24.0	2057.0	44.0
533.7	2138.2	BF1-16	2120.0	40.0	2105.0	22.0	2089.0	44.0
622.0	2568.7	BF1-17	2103.0	66.0	2045.0	24.0	1988.0	42.0
284.1	1383.2	BF1-18	2122.0	40.0	2052.0	22.0	1983.0	40.0
902.7	3462.7	BF1-21C	2132.0	56.0	2128.0	32.0	2125.0	54.0
511.3	2180.0	BF1-08R	2082.0	62.0	1907.0	22.0	1750.0	36.0
1767.3	11325.4	BF1-08C	1840.0	62.0	1400.0	18.0	1129.0	24.0
852.4	3545.5	BF1-12	2090.0	80.0	1977.0	30.0	1871.0	46.0
629.7	2783.2	BF1-14C	2051.0	90.0	1962.0	34.0	1879.0	48.0
286.7	1218.4	BF1-11	1910.0	110.0	1328.0	38.0	998.0	28.0
235.3	833.3	BF1-19	2083.0	64.0	1963.0	24.0	1852.0	36.0
220.9	1181.8	BF1-20	2083.0	80.0	1690.0	28.0	1392.0	36.0
246.5	711.4	BF1-21R	2098.0	82.0	2004.0	34.0	1914.0	38.0
347.5	1491.5	BF1-22	2098.0	72.0	1977.0	28.0	1863.0	40.0
385.6	1192.3	BF1-23	2265.0	68.0	2120.0	26.0	1974.0	40.0
59.5	546.8	91500-128	3 1075.0	52.0	1045.0	18.0	1032.0	24.0
58.0	512.4	91500-129	9 1083.0	50.0	1060.0	18.0	1049.0	24.0
20.5	307.4	GJ-1	610.0	56.0	600.0	12.0	598.0	14.0
21.0	310.6	GJ-2	607.0	54.0	604.0	12.0	603.0	14.0
18.8	264.8	GJ-3	605.0	56.0	606.0	12.0	607.0	14.0
19.6	277.2	GJ-4	610.0	56.0	602.0	12.0	600.0	14.0
20.6	294.7	GJ-3	605.0	50.0	606.0	12.0	607.0	14.0
21.4	308.5	GJ-4	611.0	52.0	602.0	12.0	600.0	14.0
19.1	276.7	GJ-5	606.0	56.0	603.0	12.0	602.0	14.0
18.8	280.0	GJ-6	611.0	28.0	602.0	6.0	599.0	7.0
205.7	2586.1	MT-92	750.0	52.0	725.0	14.0	718.0	16.0
199.0	2413.1	MT-93	739.0	52.0	735.0	14.0	733.0	16.0
.ead Correc	ted							
1538.2	5643.2	BF2-01	2173.0	70.0	2113.0	26.0	2052.0	46.0
677.2	2639.4	BF2-02	2135.0	40.0	2139.0	24.0	2144.0	46.0
568.7	2262.8	BF2-05	2129.0	40.0	2119.0	24.0	2110.0	46.0
632.7	2591.7	BF2-07	2138.0	44.0	2130.0	26.0	2122.0	50.0
1501.7	5747.4	BF2-10C	2147.0	40.0	2156.0	24.0	2166.0	46.0
591.5	2543.4	BF2-10R	2139.0	54.0	2097.0	30.0	2054.0	52.0
852.8	2981.4	BF2-12	2194.0	90.0	2157.0	36.0	2119.0	54.0
738.1	3284.0	BF2-15	2127.0	52.0	2124.0	30.0	2122.0	52.0
580.1	2613.0	BF2-16	2123.0	58.0	2133.0	32.0	2144.0	54.0
831.4	3380.5	BF2-19	2147.0	60.0	2142.0	34.0	2138.0	54.0
411.8	1791.2	BF2-20	2137.0	66.0	2124.0	36.0	2111.0	58.0
1024.0	4305.3	BF2-21	2147.0	44.0	2148.0	26.0	2149.0	50.0
540.2	2258.3	BF2-23	2152.0	56.0	2146.0	32.0	2140.0	56.0
526.4	1983.5	BF2-26	2139.0	44.0	2150.0	26.0	2162.0	48.0

702.2	2728.1 BF2-27	2172.0	78.0	2106.0	30.0	2040.0	48.0
1165.1	3449.5 BF2-29	2187.0	66.0	2110.0	26.0	2032.0	40.0
710.2	3041.3 BF2-40	2131.0	60.0	2127.0	32.0	2123.0	52.0
611.5	2205.2 BF2-42	2096.0	66.0	2068.0	26.0	2041.0	42.0
760.5	2794.4 BF2-43	2203.0	72.0	2155.0	28.0	2105.0	48.0
749.5	2475.7 BF2-45	2198.0	64.0	2144.0	24.0	2089.0	44.0
539.1	2401.6 BF2-44	2147.0	54.0	2102.0	30.0	2056.0	52.0
1026.7	3914.1 BF2-47	2165.0	40.0	2161.0	24.0	2158.0	46.0
545.6	2275.5 BF2-48	2107.0	90.0	2068.0	36.0	2029.0	52.0
1006.9	3549.1 BF2-50	2162.0	58.0	2130.0	28.0	2097.0	42.0
699.8	3121.6 BF2-54	2132.0	58.0	2112.0	32.0	2091.0	52.0
908.1	3295.2 BF2-56	2136.0	70.0	2099.0	28.0	2061.0	44.0
956.7	2929.0 BF2-32	2215.0	92.0	2151.0	38.0	2085.0	54.0
421.8	1365.0 BF2-37	2239.0	98.0	2173.0	40.0	2103.0	56.0
992.8	3763.5 BF2-39	2230.0	92.0	2101.0	38.0	1971.0	52.0
1372.1	3619.1 BF2-55	2350.0	92.0	2185.0	38.0	2012.0	52.0
54.7	474.3 91500-130	1070.0	50.0	1055.0	18.0	1048.0	24.0
53.1	454.3 91500-131	1079.0	52.0	1072.0	18.0	1068.0	24.0
58.5	533.1 91500-132	1054.0	56.0	1058.0	20.0	1060.0	26.0
20.6	294.5 GJ-5	606.0	52.0	602.0	12.0	601.0	14.0
20.3	298.0 GJ-6	610.0	52.0	602.0	12.0	600.0	14.0
19.4	273.7 GJ-7	607.0	56.0	613.0	12.0	614.0	14.0
19.7	293.8 GJ-8	607.0	58.0	596.0	12.0	593.0	14.0
19.8	281.6 GJ-7	607.0	50.0	612.0	12.0	614.0	14.0
20.2	302.2 GJ-8	608.0	52.0	596.0	12.0	592.0	14.0
20.3	294.3 GJ-9	602.0	58.0	598.0	12.0	596.0	14.0
19.7	281.9 GJ-10	613.0	56.0	610.0	12.0	610.0	14.0
21.2	315.4 GJ-9	602.0	52.0	598.0	12.0	597.0	14.0
20.5	302.2 GJ-10	614.0	52.0	610.0	12.0	609.0	14.0
19.1	276.3 GJ-11	602.0	56.0	601.0	12.0	601.0	14.0
19.2	266.1 GJ-12	614.0	29.0	603.0	6.0	600.0	7.0
200.3	2424.5 MT-94	748.0	52.0	738.0	14.0	735.0	16.0
183.6	2242.0 MT-95	723.0	56.0	735.0	14.0	740.0	18.0
.ead Correct	ed						
10154.6	41053.8 BF3-01	2163.0	40.0	2107.0	22.0	2050.0	40.0
5873.8	26819.7 BF3-03	2120.0	42.0	2051.0	24.0	1984.0	42.0
1019.4	4475.8 BF3-05	2130.0	70.0	2090.0	26.0	2050.0	46.0
683.0	2499.0 BF3-07	2107.0	64.0	2052.0	24.0	1998.0	38.0
578.5	2234.7 BF3-12	2119.0	42.0	2086.0	22.0	2052.0	40.0
951.6	4341.9 BF3-15	2130.0	42.0	2064.0	24.0	1999.0	46.0
141.0	386.1 BF3-04	2387.0	88.0	2249.0	36.0	2100.0	54.0
234.4	925.5 BF3-02	2247.0	74.0	2111.0	28.0	1973.0	46.0
7777.3	35008.0 BF3-08	2094.0	68.0	1969.0	26.0	1853.0	38.0
2674.9	12946.5 BF3-11	2258.0	64.0	1979.0	24.0	1723.0	36.0
5597.4	33224.1 BF3-16	2088.0	78.0	1765.0	28.0	1504.0	38.0
194.9	756.4 BF3-17	2094.0	76.0	1962.0	28.0	1840.0	44.0
2625.2	11698.5 BF3-18	2133.0	42.0	2018.0	22.0	1907.0	38.0
354.5	1440.1 BF3-20	2266.0	76.0	2073.0	30.0	1885.0	44.0
463.5	1972.7 BF3-21	2298.0	74.0	2143.0	28.0	1985.0	46.0

418.4	1817.3 BF3-23	2312.0	92.0	2154.0	38.0	1993.0	52.0
606.5	1570.0 BF3-22	2951.0	92.0	2794.0	42.0	2582.0	70.0
596.8	1823.3 BF3-25	2989.0	70.0	2560.0	30.0	2054.0	48.0
435.1	2560.6 BF3-14	1743.0	62.0	1719.0	32.0	1701.0	46.0
3594.4	2920.7 BF3-24	4085.0	38.0	4331.0	28.0	4879.0	90.0
73.9	646.9 91500-133	1073.0	46.0	1062.0	16.0	1057.0	22.0
72.1	625.9 91500-134	1065.0	48.0	1055.0	18.0	1050.0	24.0
21.9	320.6 GJ-1	607.0	50.0	602.0	12.0	601.0	14.0
22.0	317 1 GJ-2	610.0	50.0	603.0	12.0	601.0	14.0
18.2	261 7 GJ-3	614.0	54.0	605.0	12.0	603.0	14.0
18.0	260 5 GJ-4	602.0	54 O	600.0	12.0	600.0	14.0
21.6	309.8 G L-5	595.0	52 0	599.0	12.0	600.0	14.0
21.0	202.1 G L 6	623.0	52.0	605 0	12.0	601.0	14.0
20.J	292.1 00-0	608.0	52.0	603.0	12.0	602.0	14.0
10.4	274.0 GJ-7	600.0	20.0	603.0	6.0	600.0	7.0
19.0	203.3 GJ-0 2062.2 MT 06	724.0	29.0	721.0	14.0	717.0	10.0
220.4	3062.3 WIT-96	734.0	54.0	721.0	14.0	717.0	10.0
ZZ I.U	2/90.0 NII-9/	730.0	52.0	720.0	14.0	720.0	10.0
		2152.0	56.0	2062.0	22.0	1076.0	E2 0
040.0 500.0	3433.7 DF4-20	2152.0	50.0	2003.0	32.0	1976.0	52.0
569.0	2774.2 BF4-23	2105.0	104.0	2012.0	42.0	1923.0	54.0
/35.3	3224.2 BF4-28	2120.0	86.0	2082.0	34.0	2043.0	52.0
497.4	2449.0 BF4-31	2116.0	66.0	2024.0	36.0	1935.0	54.0
1211.0	4680.4 BF4-01	2062.0	72.0	1829.0	28.0	1632.0	34.0
946.0	4120.0 BF4-02	2085.0	84.0	1987.0	32.0	1894.0	48.0
545.9	3224.6 BF4-07	2140.0	104.0	1793.0	40.0	1510.0	44.0
725.2	3273.1 BF4-15	2080.0	94.0	1895.0	36.0	1732.0	46.0
794.0	10274.0 BF4-06	2208.0	80.0	876.0	20.0	447.0	12.0
407.3	3994.5 BF4-09	2136.0	90.0	1091.0	26.0	645.0	18.0
773.4	2382.0 BF4-08	1509.0	182.0	1238.0	62.0	1088.0	34.0
957.9	4422.3 BF4-10	2227.0	110.0	1878.0	44.0	1578.0	46.0
710.8	3022.7 BF4-12	2193.0	136.0	1665.0	56.0	1280.0	42.0
459.8	1777.2 BF4-14	1794.0	170.0	1324.0	62.0	1053.0	34.0
619.8	3614.7 BF4-19	2141.0	50.0	1927.0	30.0	1734.0	46.0
854.4	3435.2 BF4-25	2175.0	88.0	1778.0	34.0	1460.0	38.0
1902.7	7805.2 BF4-29	2119.0	84.0	1930.0	32.0	1759.0	44.0
839.1	3728.1 BF4-30	2142.0	68.0	1946.0	26.0	1768.0	36.0
323.0	1474.2 BF4-33	2072.0	106.0	1865.0	42.0	1685.0	48.0
1289.5	7816.5 BF4-41	2474.0	70.0	1721.0	26.0	1172.0	28.0
1103.5	3825.5 BF4-54	1926.0	122.0	1485.0	46.0	1196.0	36.0
1262.4	5573.8 BF4-59	2159.0	84.0	1939.0	32.0	1739.0	46.0
561.2	2967.9 BF4-61	2123.0	104.0	1791.0	40.0	1520.0	44.0
784.2	3212.2 BF4-62	2175.0	78.0	1857.0	28.0	1587.0	40.0
404.1	1256.9 BF4-56	2332.0	72.0	1027.0	28.0	528.0	16.0
.ead Correcte	ed						
287.6	1154.8 BF5-01	2147.0	48.0	2130.0	28.0	2113.0	52.0
214.3	826.4 BF5-02	2150.0	40.0	2161.0	24.0	2173.0	46.0
353.1	1414.4 BF5-03	2142.0	40.0	2134.0	24.0	2126.0	46.0
229.4	877.7 BF5-02R	2129.0	40.0	2143.0	24.0	2157.0	46.0
310.4	1756.5 BF5-05	2137.0	50.0	2117.0	28.0	2097.0	50.0
286.1	1249.4 BF5-07R	2107.0	78.0	2031.0	28.0	1957.0	48.0

218.6	860.5 BF5-11	2146.0	38.0	2150.0	22.0	2153.0	44.0
210.5	897.6 BF5-13	2129.0	44.0	2118.0	26.0	2107.0	50.0
152.7	673.8 BF5-15	2126.0	48.0	2140.0	28.0	2154.0	52.0
279.5	1212.1 BF5-16	2125.0	42.0	2117.0	24.0	2109.0	48.0
357.1	1529.8 BF5-18	2131.0	42.0	2123.0	24.0	2115.0	46.0
377.9	1532.9 BF5-20	2121.0	42.0	2162.0	26.0	2206.0	50.0
359.2	1680.9 BF5-21	2141.0	68.0	2144.0	38.0	2147.0	58.0
154.7	644.8 BF5-25	2128.0	46.0	2136.0	26.0	2144.0	48.0
267.5	1196 3 BE5-31	2179.0	102.0	2117.0	52.0	2055.0	66.0
184.2	801 9 BF5-34	2139.0	44 0	2149.0	26.0	2159.0	48.0
202.2	883.6 BE5-37	2100.0	44.0	2130.0	26.0	2132.0	40.0
202.2	800.0 BF5-41	2137.0	44.0	2100.0	26.0	2152.0	46.0
365.2	1658 5 BE5-47	2107.0	52 0	2132.0	30.0	2107.0	
505.2	1000.5 DI 3-47	2140.0	52.0	2152.0	50.0	2121.0	50.0
331.0	1338.2 BF5-07C	2108.0	70.0	2005.0	26.0	1907.0	42.0
204.7	954.2 BF5-14	2157.0	86.0	2048.0	32.0	1941.0	52.0
77 4	704 7 04500 405	4070.0	50.0	4005.0	40.0	4000.0	00.0
77.1	701.7 91500-135	1073.0	50.0	1065.0	18.0	1062.0	26.0
74.6	656.7 91500-136	1070.0	48.0	1053.0	18.0	1045.0	24.0
68.2	5/0.9 91500-13/	1083.0	48.0	1072.0	18.0	1066.0	24.0
73.6	647.1 91500-138	1052.0	48.0	1060.0	18.0	1064.0	24.0
73.3	661.1 91500-139	1062.0	50.0	1067.0	18.0	1070.0	26.0
21.1	317.9 GJ-1	610.0	50.0	604.0	12.0	602.0	14.0
19.6	281.2 GJ-2	622.0	62.0	600.0	14.0	594.0	14.0
18.7	258.6 GJ-3	594.0	64.0	617.0	14.0	623.0	14.0
20.6	302.3 GJ-4	610.0	54.0	592.0	12.0	587.0	14.0
18.7	257.5 GJ-3	595.0	56.0	615.0	12.0	620.0	14.0
20.7	301.0 GJ-4	610.0	50.0	591.0	12.0	586.0	14.0
19.3	286.1 GJ-5	608.0	54.0	609.0	12.0	610.0	14.0
21.3	315.3 GJ-6	606.0	56.0	600.0	12.0	598.0	14.0
19.3	278.7 GJ-5	609.0	50.0	609.0	12.0	608.0	14.0
21.2	307.1 GJ-6	605.0	50.0	599.0	12.0	597.0	14.0
19.0	275.4 GJ-7	612.0	52.0	608.0	12.0	607.0	14.0
20.5	298.7 GJ-8	606.0	54.0	601.0	12.0	600.0	14.0
19.8	293.3 GJ-7	610.0	50.0	608.0	12.0	608.0	14.0
21.4	318.1 GJ-8	608.0	50.0	601.0	12.0	599.0	14.0
19.5	283.9 GJ-9	622.0	54.0	607.0	12.0	604.0	14.0
19.4	264.7 GJ-10	595.0	54.0	602.0	12.0	603.0	14.0
20.3	301.7 GJ-9	620.0	50.0	607.0	12.0	603.0	14.0
20.0	281.3 GJ-10	593.0	50.0	601.0	12.0	603.0	14.0
19.6	287.0 GI-11	610.0	29.0	602.0	6.0	600.0	7.0
105.6	1322 9 MT-98	709.0	74.0	727.0	18.0	733.0	18.0
90.0	1022.0 MT-00	739.0	62.0	727.0	16.0	731.0	16.0
110.3	1541 6 MT 100	733.0	56.0	730.0	16.0	726.0	18.0
124.0	1561 0 MT 101	744.0	52.0	730.0	14.0	720.0	10.0
ead Corrected	1001.0 MT-101	732.0	52.0	730.0	14.0	730.0	10.0
	628 6 DE6 01	2175.0	40.0	2120.0	20.0	2102.0	40.0
242.0	020.0 DF0-01	2170.0	40.0	2158.0	20.0	2102.0	40.0 40.0
242.9	303.1 DF0-U3	2100.0	40.0	2100.0	22.0	2139.0	42.0
100.0	432.2 BF0-U5	210/.U	40.0	2132.0	20.0	2075.0	40.0
1/4.2	003.9 BF0-U0	2185.0	40.0	2108.0	22.0	2150.0	42.0
68.2	255.5 BF6-07	2189.0	42.0	21/6.0	22.0	2163.0	42.0
152.4	569.9 BF6-08	2173.0	44.0	2120.0	22.0	2066.0	38.0

67.5	273.3 BF6-09	2160.0	42.0	2135.0	22.0	2108.0	42.0
191.7	816.9 BF6-10	2163.0	42.0	2101.0	22.0	2038.0	38.0
100.3	405.9 BF6-11	2184.0	46.0	2163.0	24.0	2141.0	44.0
58.5	215.7 BF6-12	2161.0	42.0	2140.0	20.0	2119.0	38.0
153.3	646.4 BF6-13	2172.0	40.0	2144.0	22.0	2116.0	42.0
73.6	305.3 BF6-14	2193.0	38.0	2144.0	22.0	2093.0	40.0
94.6	383.1 BF6-15	2184.0	58.0	2126.0	20.0	2067.0	38.0
92.3	382 5 BE6-16	2171 0	38.0	2153.0	22.0	2135.0	42.0
102.9	590 5 BF6-17	2186.0	44 0	2097.0	24.0	2009.0	44 0
178.0	764 4 BE6-18	2177.0	40.0	2146.0	22.0	2114.0	42.0
252.1	1088 8 BE6-19	2181.0	40.0	2140.0	24.0	2139.0	44.0
260.5	1157 6 BE6-20	2185.0	40.0	2165.0	24.0	2100.0	44.0
209.0	272 2 DE6 21	2105.0	40.0	2103.0	24.0	2144.0	46.0
00.4	575.2 DF0-21	2171.0	44.0	2102.0	24.0	2152.0	40.0
167.8	674.8 BF6-04	2172.0	58.0	2069.0	22.0	1968.0	36.0
73.3	616.4 91500-128	1065.0	46.0	1057.0	16.0	1053.0	22.0
64.1	559.1 91500-129	1080.0	46.0	1058.0	16.0	1048.0	22.0
20.0	289.8 GJ-271	600.0	48.0	602.0	10.0	603.0	12.0
19.3	288.7 GJ-272	619.0	48.0	603.0	10.0	599.0	12.0
20.4	294.9 GJ-273	605.0	52.0	602.0	12.0	601.0	12.0
20.3	286.5 GJ-274	612.0	52.0	605.0	12.0	603.0	12.0
20.5	305.5 GJ-273	606.0	50.0	602.0	10.0	601.0	12.0
20.4	296.7 GJ-274	613.0	48.0	605.0	10.0	603.0	12.0
20.5	303.1 GJ-275	616.0	52.0	605.0	12.0	602.0	12.0
18.6	254.7 GJ-276	605.0	32.0	602.0	6.0	601.0	6.0
178.3	2174.1 MT-92	734.0	50.0	733.0	14.0	733.0	16.0
214.3	2568.2 MT-93	736.0	52.0	729.0	12.0	727.0	14.0
.ead Correct	ed						
1332.6	5721.4 BF7-48	2146.0	66.0	2079.0	24.0	2012.0	42.0
291.3	1067.2 BF7-36	2115.0	68.0	2054.0	26.0	1994.0	42.0
197.3	671.6 BF7-42	2114.0	46.0	2134.0	22.0	2155.0	40.0
1669.8	5732.8 BF7-44	2121.0	72.0	1993.0	30.0	1872.0	36.0
2090.8	9431.3 BF7-15	2155.0	40.0	2052.0	22.0	1952.0	40.0
2483.4	7218.3 BF7-29	2137.0	66.0	2108.0	26.0	2079.0	42.0
7211.6	76159.9 BF7-46	2024.0	68.0	1116.0	20.0	710.0	16.0
1598.9	10013 1 BF7-47	1948.0	80.0	1485.0	26.0	1182.0	30.0
1404 9	7943 6 BF7-49	1802.0	84.0	1192.0	26.0	885.0	22.0
1175.4	5638.3 BE7-50	2002.0	76.0	1506.0	26.0	1179.0	28.0
971 3	5085 0 BE7-56	1926.0	76.0	1441 0	26.0	1136.0	26.0
1608.3	5860 3 BE7-03	1220.0	110.0	962.0	30.0	853.0	18.0
2444 5	13185 7 BE7 10	1570.0	76.0	033.0	20.0	684.0	14.0
036.0	2807 8 BE7 11	1502.0	112.0	1118.0	20.0	800.0	18.0
5117 A	2007.0 DF7-TT	1392.0	72.0	805.0	18.0	600.0	16.0
1200.2	40432.2 DF7-12	1440.0	72.0	1419.0	10.0	1206.0	24.0
611 2	0310 0 DE7 10	2022 0	90.0 66 0	1500 0	20.0 24 0	1160.0	24.U 22.0
1520.2	2040.2 DF/-18 11202 2 DE7 21	2023.0	00.0 QA A	1110 0	∠ <del>4</del> .0 22.0	947 0	22.0
1000.2	11232.2 DF1-21	1766 0	00.0	1210.0	22.U 20 A	047.0	22.0
1292.0	0410.3 DF1-34 1062 4 DE7 40	1005 0	90.0 70 A	1210.U	20.U	302.U 1502.0	20.0
301.2	1003.4 DF7-40	1995.0	10.0	1774.0	30.0	1090.0	30.0
60.3	501.8 91500-132	1057.0	48.0	1072.0	18.0	1079.0	24.0

60 /	E72 7 01E00 120	1042.0	46.0	1052.0	16.0	1057 0	<u> </u>
00.4	575.7 91500-130	1043.0	40.0	1052.0	10.0	1057.0	22.0
70.2	589.5 91500-131	1068.0	46.0	1058.0	16.0	1053.0	22.0
69.8	587.8 91500-131	1083.0	48.0	1053.0	16.0	1039.0	22.0
18.3	267.8 GJ-281	615.0	50.0	604.0	12.0	601.0	14.0
19.5	287.8 GJ-282	601.0	50.0	600.0	12.0	600.0	14.0
20.8	303.9 GJ-283	620.0	54.0	604.0	12.0	600.0	14.0
21.4	300.5 GJ-284	599.0	54.0	602.0	12.0	603.0	14.0
20.8	303.6 GJ-275	617.0	50.0	604.0	10.0	601.0	12.0
21.5	320.3 GJ-276	599.0	50.0	602.0	10.0	603.0	14.0
18.6	261.9 GJ-277	605.0	54.0	606.0	12.0	606.0	14.0
19.0	274.2 GJ-278	613.0	54.0	600.0	12.0	597.0	14.0
21.2	298.5 GJ-277	604.0	50.0	605.0	10.0	605.0	14.0
21.6	312.6 GJ-278	612.0	50.0	600.0	10.0	597.0	12.0
19.3	279 4 GJ-279	621.0	54.0	604.0	12.0	600.0	14.0
17.8	269.4 GJ-280	597.0	27.0	602.0	6.0	603.0	7.0
228.4	2882 0 MT-06	730.0	52.0	733.0	14.0	733.0	16.0
187 /	2002.9 MT-90 2463 4 MT 04	730.0	50.0	733.0	14.0	733.0	16.0
107.4	1507 0 MT 05	7 14.0	52.0	717.0	14.0	710.0	16.0
120.0	1007.2 IVI -90	720.0	52.0	720.0	14.0	725.0	10.0
		0075.0	40.0	0050.0	04.0	0000 0	44.0
88.4	307.9 BF8-05	2275.0	42.0	2252.0	24.0	2226.0	44.0
515.7	2151.8 BF8-15	2280.0	42.0	2252.0	24.0	2222.0	46.0
243.5	945.6 BF8-16	2267.0	66.0	2204.0	26.0	2136.0	44.0
453.0	1474.6 BF8-24	2288.0	64.0	2233.0	32.0	2174.0	42.0
5055.3	20183.3 BF8-25	2256.0	68.0	2223.0	26.0	2187.0	48.0
240.2	747.1 BF8-30R	2253.0	54.0	2220.0	26.0	2185.0	42.0
331.6	1127.8 BF8-30C	2267.0	40.0	2309.0	22.0	2358.0	46.0
468.5	1787.3 BF8-31	2263.0	46.0	2261.0	26.0	2258.0	46.0
475.4	1941.2 BF8-36	2175.0	80.0	2114.0	30.0	2051.0	50.0
391 7	1616 2 BE8-01	2213.0	64 0	2076 0	24 0	1941 0	40.0
806.0	4620 7 BF8-02	2240.0	42.0	2063.0	26.0	1891.0	44 0
2459.2	10513 8 BF8-04	2263.0	74.0	2050.0	28.0	1845.0	44.0
338.6	1476 8 BF8-08	2246.0	72.0	2131.0	28.0	2014.0	48.0
770 5	3/03 0 BE8-10	2240.0	72.0	1958.0	20.0	1678.0	40.0
407.0	20/12 / DEQ 12	2139.0	66.0	1052.0	24.0	1792.0	20.0
497.9	2043.4 DF0-12 2671 0 DF0 10	2130.0	142.0	701.0	24.0	F01.0	12.0
047.4	307 1.0 DF0-19	1406.0	142.0	1400.0	34.0	1046.0	12.0
748.9	4527.7 BF8-23	2011.0	66.0	1409.0	22.0	1046.0	22.0
1159.7	5072.3 BF8-21	2280.0	42.0	2160.0	24.0	2037.0	42.0
82.9	514.0 BF8-28	2271.0	44.0	2161.0	24.0	2047.0	42.0
389.2	2285.9 BF8-33	2222.0	48.0	2121.0	28.0	2018.0	48.0
62.6	508.0 91500-133	1077.0	50.0	1078.0	18.0	1078.0	24.0
62.8	503.2 91500-134	1066.0	50.0	1070.0	18.0	1072.0	22.0
19.8	293.6 GJ-283	619.0	50.0	604.0	12.0	600.0	14.0
20.3	290.3 GJ-284	599.0	50.0	602.0	12.0	603.0	14.0
19.9	284.3 GJ-287	603.0	54.0	603.0	12.0	603.0	14.0
20.0	291.8 GJ-288	616.0	56.0	604.0	12.0	601.0	14.0
21.1	299.7 GJ-287	604.0	50.0	604.0	12.0	603.0	14.0
21.1	307.6 GJ-288	615.0	52.0	604.0	12.0	601.0	14.0
19.2	280,5 GJ-289	601.0	54.0	601.0	12.0	601.0	14.0
18.5	272.2 G.I-290	617.0	28.0	604.0	6.0	601.0	7 0
223.1	2793 0 MT-97	740.0	50.0	739.0	14.0	739 0	16.0
			00.0				

.ead Corrected         132.0       517.5       517.5       517.5       517.5       517.5       2126.0       24.0       2120.0       44.0         444.5       1659.3       317.4       2134.0       42.0       2125.0       24.0       2120.0       44.0         444.5       1659.3       317.5       178.0       62.0       2413.0       26.0       222.0       227.0       46.0         900.0       2869.7       FP-09       2509.0       40.0       2495.0       22.0       2478.0       46.0         1407.3       6900.2       859-06       217.3       66.0       1135.0       20.0       672.0       14.0         1609.6       18619.0       BF9-07       2281.0       44.0       1583.0       24.0       1114.0       28.0         147.3       531.5       EF9-12       4296.0       680.0       1690.0       34.0       120.0       30.0         20.4       298.2       GJ-5       611.0       50.0       605.0       12.0       603.0       14.0         19.4       282.1       GJ-8       600.0       27.0       598.0       6.0       598.0       7.0         18.3       2332.4       MT-104	152.2	1924.8 MT-98	742.0	52.0	724.0	14.0	718.0	16.0
132.0         517.5         BF9-01         2126.0         42.0         2127.0         22.0         2128.0         44.0           396.6         1651.3         BF9-02         2130.0         42.0         2125.0         22.0         2124.0         44.0           444.5         1659.3         BF9-14         2134.0         42.0         2129.0         22.0         2124.0         40.0           1200.0         2869.7         BF9-08         2487.0         62.0         2413.0         26.0         2327.0         46.0           1407.3         6980.2         BF9-06         2173.0         66.0         1135.0         20.0         672.0         14.0           1609.6         18619.0         BF9-07         2481.0         44.0         1583.0         24.0         1114.0         28.0           3965.0         12332.1         BF9-13         2628.0         80.0         1880.0         34.0         120.0         30.0           56.9         91500-143         1074.0         48.0         1057.0         16.0         1049.0         22.0         24.0         29.0         14.0         19.0         20.0         20.0         60.0         12.0         604.0         14.0         19.0	.ead Correcte	ed						
396.6         1651.3         BF9-02         2130.0         42.0         2125.0         24.0         2120.0         44.0           444.5         1659.3         BF9-14         2134.0         42.0         2129.0         22.0         2124.0         40.0           1270.1         4203.0         BF9-08         2467.0         62.0         2413.0         26.0         2378.0         46.0           1240.8         6903.8         BF9-03         2464.0         58.0         1870.0         22.0         2478.0         46.0           1407.3         6980.2         BF9-06         2173.0         66.0         1135.0         20.0         672.0         14.0           1609.6         18810.0         BF9-12         4296.0         680.0         1880.0         34.0         1280.0         30.0           58.9         506.9         91500-143         1074.0         48.0         1057.0         16.0         1049.0         22.0           20.4         298.2         GJ-5         611.0         50.0         599.0         10.0         588.0         14.0           19.5         279.7         GJ-7         618.0         598.0         6.0         598.0         7.0           18.	132.0	517.5 BF9-01	2126.0	42.0	2127.0	22.0	2128.0	42.0
444.5         1659.3         BF9-14         2134.0         42.0         2129.0         22.0         2124.0         40.0           1270.1         4203.0         BF9-08         2487.0         62.0         2413.0         26.0         2327.0         46.0           900.0         2869.7         BF9-09         2509.0         40.0         2495.0         22.0         2478.0         46.0           1240.8         6903.8         BF9-03         2464.0         58.0         1870.0         22.0         1383.0         26.0           1407.3         5980.2         2F9-96         2173.0         66.0         1135.0         20.0         672.0         14.0           1609.6         16819.0         BF9-07         2281.0         44.0         1583.0         24.0         1200.0         30.0           3895.0         12332.1         BF9-13         2628.0         80.0         1880.0         34.0         1280.0         30.0           14.0         282.6         611.0         50.0         650.0         12.0         604.0         14.0           19.5         279.7         GJ-7         619.0         54.0         607.0         12.0         604.0         14.0           1	396.6	1651.3 BF9-02	2130.0	42.0	2125.0	24.0	2120.0	44.0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	444.5	1659.3 BF9-14	2134.0	42.0	2129.0	22.0	2124.0	40.0
1270.1         4203.0         BF9-08         2487.0         62.0         2413.0         26.0         2327.0         46.0           900.0         2869.7         BF9-09         2509.0         40.0         2495.0         22.0         2478.0         46.0           1240.8         6903.8         BF9-03         2464.0         58.0         1870.0         22.0         1383.0         26.0           1407.3         6315.5         BF9-07         2281.0         44.0         1583.0         24.0         1114.0         28.0           3895.0         12332.1         BF9-13         2628.0         80.0         1880.0         34.0         1280.0         14.0           20.7         300.0         GJ-5         611.0         50.0         599.0         10.0         598.0         14.0           20.7         300.0         GJ-5         600.0         27.0         598.0         6.0         598.0         14.0           19.4         282.1         GJ-8         600.0         27.0         598.0         6.0         598.0         7.0           18.3         233.2         MT-104         760.0         50.0         729.0         14.0         719.0         16.0								
900.0         2669.7         BF9-09         2509.0         40.0         2495.0         22.0         2478.0         46.0           1240.8         6903.8         BF9-03         2464.0         58.0         1870.0         22.0         1383.0         26.0           1407.3         6800.2         BF9-06         2173.0         66.0         1135.0         20.0         672.0         14.0           1609.6         18619.0         BF9-07         2281.0         44.0         1553.0         24.0         1114.0         28.0           3895.0         1232.1         BF9-13         2628.0         80.0         1880.0         34.0         1280.0         30.0           58.9         506.9         91500-143         1074.0         48.0         1057.0         16.0         1049.0         22.0           20.4         298.2         GJ-5         611.0         50.0         599.0         10.0         598.0         7.0           18.3         2332.4         MT-104         760.0         27.0         598.0         6.0         598.0         7.0           18.3         2332.4         MT-104         760.0         2152.0         26.0         2143.0         46.0           262.	1270.1	4203.0 BF9-08	2487.0	62.0	2413.0	26.0	2327.0	46.0
1240.8         6903.8         BF9-03         2464.0         58.0         1870.0         22.0         1383.0         26.0           1407.3         6980.2         BF9-06         2173.0         66.0         1135.0         20.0         672.0         14.0           1609.6         18619.0         BF9-07         2281.0         44.0         1583.0         24.0         114.0         28.0           3895.0         12332.1         BF9-13         2628.0         88.0         34.0         1280.0         32.0         376.0         12.0           20.4         298.2         GJ-5         611.0         50.0         605.0         12.0         603.0         14.0           20.7         300.0         GJ-6         602.0         50.0         599.0         10.0         598.0         7.0           183.3         232.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           ead Corrected         22.0         2110.0         46.0         2152.0         26.0         2143.0         46.0           2193.3         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           626.6	900.0	2869.7 BF9-09	2509.0	40.0	2495.0	22.0	2478.0	46.0
1240.8       6903.8       BF9-06       2173.0       66.0       1135.0       22.0       1383.0       26.0         1407.3       6980.2       BF9-06       2173.0       66.0       1135.0       20.0       672.0       14.0         1609.6       18619.0       BF9-07       2281.0       44.0       1583.0       32.0       376.0       12.0         3895.0       12332.1       BF9-13       2628.0       80.0       1880.0       34.0       1280.0       30.0         20.4       298.2       GJ.5       611.0       50.0       605.0       12.0       603.0       14.0         20.7       300.0       GJ.6       602.0       50.0       599.0       10.0       598.0       14.0         19.5       279.7       GJ.7       619.0       54.0       607.0       12.0       604.0       14.0         19.4       282.1       GJ.8       600.0       27.0       588.0       6.0       598.0       7.0       183.3       232.4       46.0       2152.0       26.0       2143.0       46.0       23.0       74.0       185.0       28.0       710.0       42.0       1034.0       32.0       29.1       32.0       2110.0       42.0 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
1407.3         6980.2         BF9-06         2173.0         66.0         1135.0         20.0         672.0         14.0           1609.6         18619.0         BF9-07         2281.0         44.0         1583.0         24.0         1114.0         28.0           3895.0         12332.1         BF9-13         2628.0         80.0         1880.0         34.0         1280.0         30.0           58.9         506.9         91500-143         1074.0         48.0         1057.0         16.0         1049.0         22.0           20.4         298.2         GJ-5         611.0         50.0         599.0         10.0         598.0         14.0           19.5         279.7         GJ-7         658.0         60.0         7.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         160.           ead Corrected         262.6         1112.8         BF10-07         2160.0         46.0         2152.0         26.0         2143.0         46.0           538.1         2293.3         BF10-21         2155.0         38.0         2133.0         22.0	1240.8	6903.8 BF9-03	2464.0	58.0	1870.0	22.0	1383.0	26.0
1609.6         18619.0         BF9-07         2281.0         44.0         1583.0         24.0         1114.0         28.0           3895.0         12332.1         BF9-13         2628.0         80.0         1880.0         32.0         376.0         12.0           3895.0         12332.1         BF9-13         2628.0         80.0         1880.0         34.0         1280.0         30.0           20.4         288.2         GJ-5         611.0         50.0         599.0         10.0         598.0         14.0           19.5         279.7         GJ-7         619.0         54.0         607.0         12.0         604.0         14.0           19.4         282.1         GJ-8         600.0         27.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           .ead Corrected        2         1262.6         1112.8         BF10-01         3072.0         94.0         1915.0         42.0         1034.0         32.0           991.0         4334.9         BF10-02         2123.0         74.0         1850.0         28.0         1	1407.3	6980.2 BF9-06	2173.0	66.0	1135.0	20.0	672.0	14.0
147.3         531.5         BF9-12         4296.0         68.0         1693.0         32.0         376.0         12.0           3895.0         12332.1         BF9-13         2628.0         80.0         1880.0         34.0         1280.0         30.0           58.9         506.9         91500-143         1074.0         48.0         1057.0         16.0         1049.0         22.0           20.4         298.2         GJ-5         611.0         50.0         605.0         12.0         603.0         14.0           19.5         279.7         GJ-7         619.0         54.0         607.0         12.0         604.0         14.0           19.4         282.1         GJ-8         600.0         27.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         46.0         2152.0         26.0         2143.0         46.0           538.1         2239.3         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           653.1         2239.3         BF10-01         3072.0         94.0         1915.0         42.0         1034.0         32.0	1609.6	18619.0 BF9-07	2281.0	44.0	1583.0	24.0	1114.0	28.0
3895.0         12332.1         BF9-13         2628.0         80.0         1880.0         34.0         1280.0         30.0           58.9         506.9         91500-143         1074.0         48.0         1057.0         16.0         1049.0         22.0           20.4         298.2         GJ-5         611.0         50.0         605.0         12.0         603.0         14.0           19.5         279.7         GJ-7         619.0         54.0         607.0         12.0         604.0         14.0           19.4         282.1         GJ-8         600.0         27.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           .ead Corrected         262.6         1112.8         BF10-71         2160.0         46.0         2152.0         26.0         2143.0         46.0           538.1         2239.3         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           991.0         4394.9         BF10-02         2123.0         74.0         1850.0         28.0         1783.0	147.3	531.5 BF9-12	4296.0	68.0	1693.0	32.0	376.0	12.0
58.9         506.9         91500-143         1074.0         48.0         1057.0         16.0         1049.0         22.0           20.4         298.2         GJ-5         611.0         50.0         605.0         12.0         603.0         14.0           19.5         279.7         GJ-7         619.0         54.0         607.0         12.0         604.0         14.0           19.4         282.1         GJ-8         600.0         27.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           .ead Corrected         262.6         1112.8         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           385.4         6753.9         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           1034.3         1228.9         BF10-06C         2331.0         66.0         1900.0         24.0         178.0         34.0           1095.8         4492.7         BF10-08         2103.0         70.0         1915.0         26.0         1747.0 <td< td=""><td>3895.0</td><td>12332.1 BF9-13</td><td>2628.0</td><td>80.0</td><td>1880.0</td><td>34.0</td><td>1280.0</td><td>30.0</td></td<>	3895.0	12332.1 BF9-13	2628.0	80.0	1880.0	34.0	1280.0	30.0
20.4         298.2         GJ-5         611.0         50.0         605.0         12.0         603.0         14.0           20.7         300.0         GJ-6         602.0         50.0         599.0         10.0         598.0         14.0           19.5         279.7         GJ-7         619.0         54.0         607.0         12.0         604.0         14.0           19.4         282.1         GJ-8         600.0         27.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           .ead Corrected	58.9	506.9 91500-143	1074.0	48.0	1057.0	16.0	1049.0	22.0
20.7         300.0         GJ-6         602.0         50.0         599.0         10.0         598.0         14.0           19.5         279.7         GJ-7         619.0         54.0         607.0         12.0         604.0         14.0           19.4         282.1         GJ-8         600.0         27.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           .ead Corrected         262.6         1112.8         BF10-07         2160.0         46.0         2152.0         26.0         2143.0         46.0           538.1         2239.3         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           858.4         6753.9         BF10-06C         2031.0         66.0         1900.0         24.0         1783.0         36.0           2193.3         10298.2         BF10-06R         1980.0         82.0         1839.0         30.0         1718.0         42.0           1095.8         4492.7         BF10-13         2124.0         44.0         1950.0         22.0         1569.0	20.4	298.2 GJ-5	611.0	50.0	605.0	12.0	603.0	14.0
19.5         279.7         GJ.7         619.0         54.0         607.0         12.0         604.0         14.0           19.4         282.1         GJ.8         600.0         27.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           ead Corrected         262.6         1112.8         BF10-07         2160.0         46.0         2152.0         26.0         2143.0         46.0           538.1         2239.3         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           858.4         6753.9         BF10-02         2123.0         74.0         1850.0         28.0         1618.0         38.0           2193.3         10298.2         BF10-06R         1980.0         82.0         1839.0         30.0         1747.0         36.0           2396.5         12935.3         BF10-11         2033.0         66.0         1778.0         22.0         1569.0         34.0           2118.4         1134.0.8         BF10-12         2249.0         80.0         1561.0         28.0         1629.0 <td>20.7</td> <td>300.0 GJ-6</td> <td>602.0</td> <td>50.0</td> <td>599.0</td> <td>10.0</td> <td>598.0</td> <td>14.0</td>	20.7	300.0 GJ-6	602.0	50.0	599.0	10.0	598.0	14.0
19.4         282.1         GJ-8         600.0         27.0         598.0         6.0         598.0         7.0           183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           .ead Corrected         262.6         1112.8         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           858.4         6753.9         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           991.0         4394.9         BF10-02         2123.0         74.0         1850.0         28.0         1618.0         38.0           1637.3         7248.9         BF10-06C         2031.0         66.0         1900.0         24.0         1783.0         36.0           2193.3         10298.2         BF10-18         203.0         70.0         1915.0         26.0         1747.0         36.0           2396.5         12935.3         BF10-11         2033.0         66.0         1778.0         22.0         1569.0         34.0           2118.4         11340.8         BF10-17         1980.0         1661.0         1980.0         1651.0 <t< td=""><td>19.5</td><td>279.7 GJ-7</td><td>619.0</td><td>54.0</td><td>607.0</td><td>12.0</td><td>604.0</td><td>14.0</td></t<>	19.5	279.7 GJ-7	619.0	54.0	607.0	12.0	604.0	14.0
183.3         2332.4         MT-104         760.0         50.0         729.0         14.0         719.0         16.0           ead Corrected         262.6         1112.8         BF10-07         2160.0         46.0         2152.0         26.0         2143.0         46.0           538.1         2239.3         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           858.4         6753.9         BF10-01         3072.0         94.0         1915.0         42.0         1034.0         32.0           991.0         4394.9         BF10-06C         2031.0         66.0         1900.0         24.0         1783.0         36.0           2193.3         10298.2         BF10-06R         1980.0         82.0         1839.0         30.0         1718.0         42.0           1095.8         4492.7         BF10-18         203.0         70.0         1915.0         26.0         1747.0         36.0           2396.5         12935.3         BF10-11         2033.0         66.0         1778.0         22.0         1790.0         44.0           1844         2544.8         BF10-13         2124.0         44.0         1950.0         22.0	19.4	282.1 GJ-8	600.0	27.0	598.0	6.0	598.0	7.0
ead Corrected       262.6       1112.8       BF10-07       2160.0       46.0       2152.0       26.0       2143.0       46.0         538.1       2239.3       BF10-21       2155.0       38.0       2133.0       22.0       2110.0       42.0         858.4       6753.9       BF10-01       3072.0       94.0       1915.0       42.0       1034.0       32.0         991.0       4394.9       BF10-02       2123.0       74.0       1850.0       28.0       1618.0       38.0         2193.3       10298.2       BF10-06C       2031.0       66.0       1900.0       24.0       1783.0       36.0         2396.5       12935.3       BF10-16       2103.0       70.0       1915.0       26.0       1747.0       36.0         2396.5       12935.3       BF10-12       2249.0       80.0       1501.0       28.0       1029.0       26.0         458.4       2544.8       BF10-12       2249.0       80.0       1501.0       28.0       1682.0       42.0         875.8       3554.9       BF10-17       1980.0       106.0       1903.0       42.0       1834.0       50.0         2129.7       13984.0       BF10-22       2079.0	183.3	2332.4 MT-104	760.0	50.0	729.0	14.0	719.0	16.0
262.6         1112.8         BF10-07         2160.0         46.0         2152.0         26.0         2143.0         46.0           538.1         2239.3         BF10-21         2155.0         38.0         2133.0         22.0         2110.0         42.0           858.4         6753.9         BF10-01         3072.0         94.0         1915.0         42.0         1034.0         32.0           991.0         4394.9         BF10-02         2123.0         74.0         1850.0         28.0         1618.0         38.0           2193.3         10298.2         BF10-06C         2031.0         66.0         1900.0         24.0         1783.0         36.0           2396.5         12935.3         BF10-18         203.0         70.0         1915.0         22.0         1569.0         34.0           2118.4         11340.8         BF10-12         2249.0         80.0         1501.0         28.0         1029.0         26.0           458.4         2544.8         BF10-17         1980.0         1202.0         1786.0         28.0         1682.0         42.0           875.8         3554.9         BF10-17         1980.0         166.0         1773.0         32.0         145.0	.ead Correcte	ed			0.0			
538.1       2239.3       BF10-21       2155.0       38.0       2133.0       22.0       2110.0       42.0         858.4       6753.9       BF10-01       3072.0       94.0       1915.0       22.0       1034.0       32.0         991.0       4394.9       BF10-02       2123.0       74.0       1850.0       28.0       1618.0       38.0         1637.3       7248.9       BF10-06C       2031.0       66.0       1900.0       24.0       1783.0       36.0         2193.3       10298.2       BF10-06R       1980.0       82.0       1839.0       30.0       1718.0       42.0         1095.8       4492.7       BF10-11       2033.0       66.0       1778.0       22.0       1569.0       34.0         2118.4       11340.8       BF10-12       2249.0       80.0       1501.0       28.0       1029.0       26.0         458.4       2544.8       BF10-17       1980.0       166.0       1903.0       42.0       1834.0       50.0         1874.2       9864.1       BF10-21       199.0       82.0       1786.0       28.0       1682.0       42.0         875.8       3554.9       BF10-21       199.0       62.0	262.6	1112.8 BF10-07	2160.0	46.0	2152.0	26.0	2143.0	46.0
858.4       6753.9       BF10-01       3072.0       94.0       1915.0       42.0       1034.0       32.0         991.0       4394.9       BF10-02       2123.0       74.0       1850.0       28.0       1618.0       38.0         1637.3       7248.9       BF10-06C       2031.0       66.0       1900.0       24.0       1783.0       36.0         2193.3       10298.2       BF10-06R       1980.0       82.0       1839.0       30.0       1718.0       42.0         1095.8       4492.7       BF10-18       2103.0       70.0       1915.0       26.0       1747.0       36.0         2396.5       12935.3       BF10-11       2033.0       66.0       1778.0       22.0       1569.0       34.0         2118.4       11340.8       BF10-12       2249.0       80.0       1501.0       28.0       1029.0       26.0         458.4       2544.8       BF10-17       1980.0       106.0       1903.0       42.0       1334.0       50.0         2129.7       13984.0       BF10-18       2094.0       92.0       1522.0       32.0       1145.0       32.0         696.7       3853.3       BF10-23       2079.0       116.0	538.1	2239.3 BF10-21	2155.0	38.0	2133.0	22.0	2110.0	42.0
991.0         439.9         BF10-02         2123.0         74.0         1850.0         28.0         1648.0         38.0           1637.3         7248.9         BF10-06C         2031.0         66.0         1900.0         24.0         1783.0         36.0           2193.3         10298.2         BF10-06R         1980.0         82.0         1839.0         30.0         1718.0         42.0           1095.8         4492.7         BF10-08         2103.0         70.0         1915.0         26.0         1747.0         36.0           2396.5         12935.3         BF10-11         2033.0         66.0         1778.0         22.0         1569.0         34.0           2118.4         11340.8         BF10-13         2124.0         44.0         1950.0         22.0         1791.0         34.0           1874.2         9864.1         BF10-15         1909.0         82.0         1786.0         28.0         1682.0         42.0           875.8         3554.9         BF10-17         1980.0         106.0         1903.0         42.0         1834.0         50.0           2129.7         13984.0         BF10-23         2079.0         116.0         1784.0         46.0         1543.0	858 /	6753 0 BE10 01	3072.0	04.0	1015.0	12.0	1034.0	32.0
1637.3       7248.9       BF10-06C       2031.0       66.0       1900.0       24.0       1783.0       36.0         1637.3       7248.9       BF10-06C       2031.0       66.0       1900.0       24.0       1783.0       36.0         2193.3       10298.2       BF10-06R       1980.0       82.0       1839.0       30.0       1718.0       42.0         1095.8       4492.7       BF10-08       2103.0       70.0       1915.0       26.0       1747.0       36.0         2396.5       12935.3       BF10-11       2033.0       66.0       1778.0       22.0       1569.0       34.0         2118.4       11340.8       BF10-12       2249.0       80.0       1501.0       28.0       1029.0       26.0         458.4       2544.8       BF10-15       1909.0       82.0       1786.0       28.0       1682.0       42.0         875.8       3554.9       BF10-17       1980.0       120.0       1522.0       32.0       1145.0       32.0         696.7       3853.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-24       2086.0       68.0	000. <del>4</del> 001 0	4304 0 BE10-02	2123.0	74.0	1850.0	28.0	1618.0	38.0
1037.3       10243.9       10       1006       2031.0       1005.0       24.0       1103.0       30.0       1718.0       42.0         1095.8       4492.7       BF10-08       2103.0       70.0       1915.0       26.0       1747.0       36.0         2396.5       12935.3       BF10-11       2033.0       66.0       1778.0       22.0       1569.0       34.0         2118.4       11340.8       BF10-12       2249.0       80.0       1501.0       28.0       1029.0       26.0         458.4       2544.8       BF10-15       1909.0       82.0       1786.0       28.0       1682.0       42.0         875.8       3554.9       BF10-17       1980.0       106.0       1903.0       42.0       1834.0       50.0         2129.7       13984.0       BF10-20       1939.0       62.0       1736.0       20.0       1573.0       32.0         696.7       3853.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-24       2086.0       68.0       1715.0       24.0       1428.0       28.0         842.3       8206.1       BF10-27       2	1637.3	7248 0 BE10 06C	2031.0	66.0	1000.0	20.0	1783.0	36.0
1095.8       4492.7       BF10-08       2103.0       70.0       1915.0       26.0       1747.0       36.0         2396.5       12935.3       BF10-11       2033.0       66.0       1778.0       22.0       1569.0       34.0         2118.4       11340.8       BF10-12       2249.0       80.0       1501.0       28.0       1029.0       26.0         458.4       2544.8       BF10-13       2124.0       44.0       1950.0       22.0       1791.0       34.0         1874.2       9864.1       BF10-15       1909.0       82.0       1786.0       28.0       1682.0       42.0         875.8       3554.9       BF10-17       1980.0       106.0       1903.0       42.0       1834.0       50.0         2129.7       13984.0       BF10-18       2094.0       92.0       1522.0       32.0       1145.0       32.0         585.4       2758.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-24       2086.0       68.0       1715.0       24.0       1428.0       28.0         842.3       8206.1       BF10-27       2090.0       96.0       <	2103.3	10208 2 BE10-06P	1080.0	82.0	1830.0	30.0	1718.0	42 0
1333.0       1432.1       10100       2103.0       10100       10100       10100       1171.0       3010         2396.5       12935.3       BF10-11       2033.0       66.0       1778.0       22.0       1569.0       34.0         2118.4       11340.8       BF10-12       2249.0       80.0       1501.0       28.0       1029.0       26.0         458.4       2544.8       BF10-13       2124.0       44.0       1950.0       22.0       1791.0       34.0         1874.2       9864.1       BF10-15       1909.0       82.0       1786.0       28.0       1682.0       42.0         875.8       3554.9       BF10-17       1980.0       106.0       1903.0       42.0       1834.0       50.0         2129.7       13984.0       BF10-20       1939.0       62.0       1736.0       20.0       1573.0       32.0         585.4       2758.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-25       2217.0       68.0       1910.0       36.0       1640.0       46.0         2239.4       17344.1       BF10-27       2090.0       96.0	1005.8	10200.2 DF 10-001 1/02 7 BE10-08	2103.0	70.0	1005.0	26.0	17/10.0	36.0
2100.0       110011       2000.0       00.0       1110.0       22.0       100.0       00.0 </td <td>2396 5</td> <td>12035 3 BF10-11</td> <td>2033.0</td> <td>66.0</td> <td>1778.0</td> <td>20.0</td> <td>1569.0</td> <td>34 0</td>	2396 5	12035 3 BF10-11	2033.0	66.0	1778.0	20.0	1569.0	34 0
418.4       11010.5       1210.5       1210.5       1001.5	2000.0	11340 8 BF10-12	2249.0	80.0	1501.0	28.0	1029.0	26 0
1874.2       9864.1       BF10-15       1909.0       82.0       1786.0       28.0       1682.0       42.0         875.8       3554.9       BF10-17       1980.0       106.0       1903.0       42.0       1834.0       50.0         2129.7       13984.0       BF10-18       2094.0       92.0       1522.0       32.0       1145.0       32.0         696.7       3853.3       BF10-20       1939.0       62.0       1736.0       20.0       1573.0       32.0         585.4       2758.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-25       2217.0       68.0       1910.0       36.0       1640.0       46.0         2239.4       17344.1       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0 <t< td=""><td>458.4</td><td>2544 8 BF10-13</td><td>2124.0</td><td>44 0</td><td>1950.0</td><td>22.0</td><td>1791 0</td><td>34.0</td></t<>	458.4	2544 8 BF10-13	2124.0	44 0	1950.0	22.0	1791 0	34.0
875.8       3554.9       BF10-17       1980.0       106.0       1903.0       42.0       1834.0       50.0         2129.7       13984.0       BF10-18       2094.0       92.0       1522.0       32.0       1145.0       32.0         696.7       3853.3       BF10-20       1939.0       62.0       1736.0       20.0       1573.0       32.0         585.4       2758.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-25       2217.0       68.0       1910.0       36.0       1640.0       46.0         2239.4       17344.1       BF10-26       2114.0       42.0       1733.0       20.0       1436.0       28.0         838.3       4837.4       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0 <td< td=""><td>1874.2</td><td>9864 1 BF10-15</td><td>1909.0</td><td>82.0</td><td>1786.0</td><td>28.0</td><td>1682.0</td><td>42.0</td></td<>	1874.2	9864 1 BF10-15	1909.0	82.0	1786.0	28.0	1682.0	42.0
2129.7       13984.0       BF10-18       2094.0       92.0       1522.0       32.0       1145.0       32.0         696.7       3853.3       BF10-20       1939.0       62.0       1736.0       20.0       1573.0       32.0         585.4       2758.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-24       2086.0       68.0       1715.0       24.0       1428.0       28.0         842.3       8206.1       BF10-25       2217.0       68.0       1910.0       36.0       1640.0       46.0         2239.4       17344.1       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0	875.8	3554.9 BF10-17	1980.0	106.0	1903.0	42.0	1834.0	50.0
696.7       3853.3       BF10-20       1939.0       62.0       1736.0       20.0       1573.0       32.0         585.4       2758.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-24       2086.0       68.0       1715.0       24.0       1428.0       28.0         842.3       8206.1       BF10-25       2217.0       68.0       1910.0       36.0       1640.0       46.0         2239.4       17344.1       BF10-26       2114.0       42.0       1733.0       20.0       1436.0       28.0         838.3       4837.4       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       28.0       1829.0       44.0         371.1       1805.6       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       18	2129 7	13984 0 BF10-18	2094.0	92.0	1522.0	32.0	1145.0	32.0
585.4       2758.3       BF10-23       2079.0       116.0       1784.0       46.0       1543.0       46.0         1017.4       4794.3       BF10-24       2086.0       68.0       1715.0       24.0       1428.0       28.0         842.3       8206.1       BF10-25       2217.0       68.0       1910.0       36.0       1640.0       46.0         2239.4       17344.1       BF10-26       2114.0       42.0       1733.0       20.0       1436.0       28.0         838.3       4837.4       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       18	696 7	3853 3 BF10-20	1939.0	62.0	1736.0	20.0	1573.0	32.0
1017.4       4794.3       BF10-24       2086.0       68.0       1715.0       24.0       1428.0       28.0         842.3       8206.1       BF10-25       2217.0       68.0       1910.0       36.0       1640.0       46.0         2239.4       17344.1       BF10-26       2114.0       42.0       1733.0       20.0       1436.0       28.0         838.3       4837.4       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       18	585.4	2758.3 BF10-23	2079.0	116.0	1784.0	46.0	1543.0	46.0
842.3       8206.1       BF10-25       2217.0       68.0       1910.0       36.0       1640.0       46.0         2239.4       17344.1       BF10-26       2114.0       42.0       1733.0       20.0       1436.0       28.0         838.3       4837.4       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0	1017 4	4794 3 BF10-24	2086.0	68.0	1715.0	24.0	1428.0	28.0
2239.4       17344.1       BF10-26       2114.0       42.0       1733.0       20.0       1436.0       28.0         838.3       4837.4       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0         .ead Corrected         98.9       407.3       BF12-01Z       2161.0       44.0       2128.0       24.0       2095.0       42.0         927.6       4436.6       BF12-02Z	842.3	8206 1 BF10-25	2217.0	68.0	1910.0	36.0	1640.0	46.0
838.3       4837.4       BF10-27       2090.0       96.0       1647.0       36.0       1322.0       38.0         411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0         .ead Corrected	2239.4	17344.1 BF10-26	2114.0	42.0	1733.0	20.0	1436.0	28.0
411.2       2320.7       BF10-28       1860.0       48.0       1822.0       26.0       1789.0       42.0         3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0         ead Corrected         98.9       407.3       BF12-01Z       2161.0       44.0       2128.0       24.0       2095.0       42.0         927.6       4436.6       BF12-02Z       2102.0       112.0       1885.0       46.0       1694.0       50.0         358.5       1589.5       BF12-03Z       2148.0       68.0       2082.0       26.0       2016.0       44.0	838.3	4837 4 BF10-27	2090.0	96.0	1647.0	36.0	1322.0	38.0
3201.4       15865.1       BF10-29       1926.0       74.0       1869.0       26.0       1818.0       42.0         702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0         .ead Corrected         98.9       407.3       BF12-01Z       2161.0       44.0       2128.0       24.0       2095.0       42.0         927.6       4436.6       BF12-02Z       2102.0       112.0       1885.0       46.0       1694.0       50.0         358.5       1589.5       BF12-03Z       2148.0       68.0       2082.0       26.0       2016.0       44.0	411.2	2320 7 BF10-28	1860.0	48.0	1822.0	26.0	1789.0	42.0
702.7       3225.2       BF10-30       1819.0       64.0       1736.0       22.0       1668.0       32.0         605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0         ead Corrected         98.9       407.3       BF12-01Z       2161.0       44.0       2128.0       24.0       2095.0       42.0         927.6       4436.6       BF12-02Z       2102.0       112.0       1885.0       46.0       1694.0       50.0         358.5       1589.5       BF12-03Z       2148.0       68.0       2082.0       26.0       2016.0       44.0	3201.4	15865 1 BF10-29	1926.0	74 0	1869.0	26.0	1818.0	42.0
605.4       3163.7       BF10-32       1844.0       54.0       1836.0       28.0       1829.0       44.0         371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0         .ead Corrected       98.9       407.3       BF12-01Z       2161.0       44.0       2128.0       24.0       2095.0       42.0         927.6       4436.6       BF12-02Z       2102.0       112.0       1885.0       46.0       1694.0       50.0         358.5       1589.5       BF12-03Z       2148.0       68.0       2082.0       26.0       2016.0       44.0	702 7	3225 2 BF10-30	1819.0	64.0	1736.0	22.0	1668.0	32.0
371.1       1805.6       BF10-33       1849.0       44.0       1813.0       22.0       1782.0       36.0         1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0         .ead Corrected       98.9       407.3       BF12-01Z       2161.0       44.0       2128.0       24.0       2095.0       42.0         927.6       4436.6       BF12-02Z       2102.0       112.0       1885.0       46.0       1694.0       50.0         358.5       1589.5       BF12-03Z       2148.0       68.0       2082.0       26.0       2016.0       44.0	605.4	3163.7 BF10-32	1844.0	54.0	1836.0	28.0	1829.0	44.0
1249.4       5875.2       BF10-34       1927.0       72.0       1814.0       26.0       1717.0       38.0         .ead Corrected       98.9       407.3       BF12-01Z       2161.0       44.0       2128.0       24.0       2095.0       42.0         927.6       4436.6       BF12-02Z       2102.0       112.0       1885.0       46.0       1694.0       50.0         358.5       1589.5       BF12-03Z       2148.0       68.0       2082.0       26.0       2016.0       44.0	371.1	1805.6 BF10-33	1849.0	44.0	1813.0	22.0	1782.0	36.0
.ead Corrected       98.9       407.3 BF12-01Z       2161.0       44.0       2128.0       24.0       2095.0       42.0         927.6       4436.6 BF12-02Z       2102.0       112.0       1885.0       46.0       1694.0       50.0         358.5       1589.5 BF12-03Z       2148.0       68.0       2082.0       26.0       2016.0       44.0	1249.4	5875.2 BF10-34	1927 0	72 0	1814.0	26.0	1717 0	38.0
98.9         407.3         BF12-01Z         2161.0         44.0         2128.0         24.0         2095.0         42.0           927.6         4436.6         BF12-02Z         2102.0         112.0         1885.0         46.0         1694.0         50.0           358.5         1589.5         BF12-03Z         2148.0         68.0         2082.0         26.0         2016.0         44.0	.ead Correcte	ed		. =. 0		_0.0		00.0
927.6       4436.6       BF12-02Z       2102.0       112.0       1885.0       46.0       1694.0       50.0         358.5       1589.5       BF12-03Z       2148.0       68.0       2082.0       26.0       2016.0       44.0	98.9	407.3 BF12-01Z	2161.0	44.0	2128.0	24.0	2095.0	42.0
358.5 1589.5 BF12-03Z 2148.0 68.0 2082.0 26.0 2016.0 44.0	927.6	4436.6 BF12-027	2102.0	112.0	1885.0	46.0	1694.0	50.0
	358.5	1589.5 BF12-03Z	2148.0	68.0	2082.0	26.0	2016.0	44.0

204.7	760.0 BF12-04Z	2115.0	60.0	2035.0	22.0	1957.0	36.0
67.3	604.5 91500-140	1073.0	52.0	1063.0	18.0	1059.0	24.0
61.7	536.0 91500-141	1066.0	50.0	1060.0	18.0	1057.0	24.0
60.4	523.2 91500-142	1059.0	50.0	1058.0	18.0	1058.0	24.0
21.7	316.1 GJ-1	593.0	50.0	603.0	12.0	606.0	14.0
22.6	327.2 GJ-2	628.0	50.0	606.0	12.0	600.0	14.0
17.6	251.2 GJ-3	612.0	56.0	606.0	12.0	605.0	14.0
18.1	265.4 GJ-4	604.0	58.0	601.0	12.0	600.0	14.0
20.7	298.5 GJ-1	607.0	50.0	603.0	10.0	602.0	12.0
20.7	293.0 GJ-2	609.0	50.0	603.0	10.0	601.0	12.0
18.7	275.0 GJ-3	616.0	52.0	608.0	12.0	606.0	14.0
19.9	293.5 GJ-4	603.0	54.0	601.0	12.0	600.0	14.0
19.9	287.7 GJ-3	615.0	50.0	608.0	12.0	606.0	14.0
21.1	307 0 GJ-4	602.0	50.0	600.0	12.0	600.0	14.0
19.2	279.2 GJ-5	610.0	52.0	607.0	12.0	606.0	14.0
19.8	286.0 GJ-6	604.0	27.0	599.0	6.0	598.0	7.0
218.9	2790.0 MT-102	730.0	52.0	722.0	14.0	719.0	16.0
152.3	1926 6 MT-103	724.0	50.0	728.0	14.0	730.0	16.0
193.3	2479 7 MT-104	744 0	54.0	720.0	14.0	726.0	16.0
ead Corrected	2475.7 101-104	744.0	54.0	701.0	14.0	720.0	10.0
1400 8	6295 8 BE11-05	2165.0	52.0	2159.0	32.0	2154 0	56.0
600.3	1080 1 BE11-10C	2105.0	68 0	2003.0	26.0	2010.0	40 0
000.0	1000.1 DI 11-100	2175.0	00.0	2000.0	20.0	2010.0	40.0
402.9	1847.8 BF11-02	2265.0	42.0	2198.0	26.0	2127.0	50.0
589.2	2590.6 BF11-04	2286.0	46.0	2157.0	22.0	2024.0	38.0
609.8	2391.6 BF11-08	2243.0	72.0	2206.0	28.0	2165.0	48.0
705.2	3471.5 BF11-03	2186.0	40.0	2034.0	22.0	1887.0	40.0
1170.2	4850.1 BF11-06	2220.0	82.0	2023.0	32.0	1835.0	46.0
970.8	5466.0 BF11-07	2135.0	76.0	1810.0	28.0	1541.0	38.0
831.7	4481.7 BF11-11	2149.0	76.0	1865.0	28.0	1621.0	38.0
650.2	3987.5 BF11-12	2166.0	58.0	1878.0	32.0	1629.0	44.0
~~~						1000 0	
66.7	564.7 91500-135	1058.0	48.0	1063.0	18.0	1066.0	24.0
20.5	298.7 GJ-289	601.0	50.0	601.0	12.0	601.0	14.0
19.8	289.9 GJ-290	619.0	50.0	604.0	12.0	600.0	14.0
19.6	283.7 GJ-291	600.0	56.0	599.0	12.0	599.0	14.0
20.0	287.7 GJ-292	617.0	28.0	606.0	6.0	603.0	7.0
137.3	1699.9 MT-99	739.0	54.0	736.0	14.0	735.0	16.0
CONCENTRA	TIONS (ppm)	AGES(Ma)					
Th U	Analysis No	Pb207/Pb2 2 s		Pb207/U232 s		Pb206/U232 s	
63.1	108.7 NG-1-01	2117.0	19.0	2102.0	10.0	2087.0	20.0
11.1	15.2 NG-1-08	2108.0	23.0	2082.0	12.0	2056.0	21.0
10.0	12.8 NG-1-09	2100.0	23.0	2105.0	12.0	2110.0	22.0
85.3	233.9 NG-1-10C	2153.0	33.0	2123.0	13.0	2093.0	19.0
20.4	15.5 NG-1-10R	2111.0	22.0	2116.0	12.0	2121.0	21.0
36.4	35.3 NG-1-11	2110.0	22.0	2084.0	11.0	2057.0	20.0
78.1	70.6 NG-1-12	2100.0	21.0	2106.0	11.0	2112.0	21.0
22.1	25.2 NG-1-14	2114.0	22.0	2087.0	11.0	2060.0	20.0
68.8	41.8 NG-1-21	2105.0	22.0	2072.0	11.0	2040.0	20.0

16.3	19.3 N	IG-1-30	2096.0	25.0	2080.0	12.0	2065.0	20.0
38.6	35.4 N	IG-1-34	2127.0	26.0	2143.0	14.0	2160.0	24.0
20.4	20.1 N	IG-1-41	2099.0	29.0	2098.0	14.0	2097.0	22.0
173.3	149.4 N	IG-1-49C	2120.0	20.0	2125.0	11.0	2129.0	20.0
21.9	42.0 N	IG-1-02	1339.0	102.0	1204.0	35.0	1130.0	14.0
34.3	29.4 N	IG-1-05	2111.0	20.0	2057.0	11.0	2004.0	20.0
94.8	238.8 N	IG-1-06	1950.0	39.0	1841.0	16.0	1747.0	17.0
13.4	60.8 N	IG-1-17C	797.0	199.0	784.0	49.0	779.0	11.0
41.2	590.9 N	IG-1-17R	1820.0	47.0	1236.0	15.0	929.0	13.0
54.6	44.3 N	IG-1-19	2026.0	61.0	2010.0	27.0	1995.0	23.0
144.6	181.3 N	IG-1-25	1971.0	49.0	1864.0	20.0	1770.0	18.0
29.0	45.6 N	IG-1-26	2194.0	30.0	1649.0	13.0	1255.0	13.0
47.0	110.4 N	IG-1-38	2234.0	31.0	1271.0	14.0	781.0	11.0
18.3	29.1 N	IG-1-46	2159.0	26.0	2107.0	14.0	2054.0	24.0
48.8	45.0 N	IG-1-47	2115.0	20.0	2059.0	11.0	2004.0	20.0
107.9	83.2 N	IG-1-48	2182.0	20.0	2110.0	12.0	2036.0	22.0
111.3	402.4 N	IG-1-49R	2130.0	42.0	1769.0	16.0	1479.0	17.0
68.0	48.4 N	IG-1-50	2127.0	22.0	2072.0	12.0	2017.0	21.0
166.3	198.5 N	IG-1-54	1957.0	61.0	1800.0	26.0	1668.0	19.0
202.4	404.8 N	IG-1-55	2138.0	50.0	1743.0	20.0	1434.0	18.0
22.9	38.6 N	IG-1-56	1452.0	109.0	1336.0	40.0	1265.0	16.0
23.8	143.1 N	IG-1-58	1957.0	53.0	1380.0	19.0	1038.0	13.0
73.7	85.5 N	IG-1-60	2197.0	29.0	1776.0	15.0	1441.0	18.0
36.6	39.3 N	IG-1-65	2120.0	24.0	2061.0	13.0	2003.0	23.0
63.4	53.4 N	IG-1-66	2130.0	21.0	2061.0	12.0	1994.0	22.0
89.3	85.0 N	IG-1-67	1970.0	73.0	2002.0	32.0	2033.0	28.0
158.7	694.2 N	IG-1-69	1876.0	57.0	1119.0	19.0	771.0	10.0
29.7	80.4 9	1500-68	1069.0	23.0	1048.0	8.0	1039.0	11.0
32.2	86.1 9	1500-69	1086.0	23.0	1059.0	8.0	1047.0	11.0
30.4	81.7 9	1500-70	1092.0	23.0	1050.0	8.0	1031.0	11.0
30.3	80.3 9	1500-71	1066.0	24.0	1047.0	8.0	1039.0	11.0
29.7	80.4 9	1500-68	1069.0	23.0	1048.0	8.0	1039.0	11.0
32.2	86.1 9	1500-69	1086.0	23.0	1059.0	8.0	1047.0	11.0
30.4	81.7 9	1500-70	1092.0	23.0	1050.0	8.0	1031.0	11.0
30.3	80.3 9	1500-71	1066.0	24.0	1047.0	8.0	1039.0	11.0
91.6	103.3 N	IT-59	767.0	25.0	722.0	6.0	708.0	8.0
127.8	119.1 N	1T-60	750.0	25.0	725.0	6.0	718.0	8.0
95.9	107.5 N	1T-61	735.0	25.0	724.0	7.0	720.0	8.0
78.6	98.5 N	1T-62	729.0	26.0	713.0	7.0	707.0	8.0
59.5	81.9 N	IT-63	777.0	27.0	738.0	7.0	725.0	8.0
186.5	695.9 S	G5-18	2120.0	19.0	2095.0	11.0	2069.0	21.0
344.7	1209.3 S	G5-53	2007.0	35.0	1978.0	14.0	1951.0	20.0
287.3	996.9 S	G5-01	1969.0	31.0	1618.0	11.0	1362.0	13.0
209.5	688.2 S	G5-02	1889.0	38.0	1558.0	13.0	1326.0	15.0
142.0	585.0 S	G5-04	1882.0	35.0	1520.0	13.0	1273.0	12.0
117.3	548.9 S	G5-07	1958.0	35.0	1626.0	12.0	1382.0	15.0
74.3	916.6 S	G5-09	1978.0	35.0	1624.0	12.0	1366.0	15.0
124.6	514.8 S	G5-10	2037.0	31.0	1860.0	11.0	1705.0	16.0

197.0	753.9 SG5-11	1938.0	39.0	1634.0	14.0	1409.0	15.0
127.1	489.3 SG5-12	2033.0	32.0	1900.0	12.0	1781.0	17.0
165.3	719.4 SG5-15	1975.0	32.0	1684.0	11.0	1460.0	15.0
146.3	773.6 SG5-22	1870.0	33.0	1490.0	11.0	1237.0	13.0
262.4	944.2 SG5-24	2050.0	32.0	1916.0	12.0	1794.0	18.0
202.0	767.8 SG5-31	1969.0	38.0	1612.0	13.0	1353.0	15.0
202.3	672.1 SG5-38	1942.0	37.0	1512.0	13.0	1224.0	14.0
194.5	787.0 SG5-51	2009.0	33.0	1812.0	12.0	1646.0	16.0
221.9	675 7 SG5-52	1921.0	37.0	1472 0	13.0	1180.0	12.0
638 7	1252 4 SG5-03	2108.0	22.0	1432.0	10.0	1023.0	11.0
329.8	783 3 565-05	2047.0	41.0	1324.0	15.0	925.0	9.0
118.8	422.4 SG5-13	1989 0	35.0	1787.0	13.0	1618.0	15.0
497 5	1429 1 SG5-20	1748 0	37.0	1178.0	10.0	892.0	۵.0 ۵.0
517.6	878 7 565-21	2224 0	22.0	1388.0	10.0	Q10.0	10.0
1220.5	1185 1 565 23	2224.0	22.0	1242.0	0.0	709.0	8.0
211 1	700 1 865 25	2042.0	21.0	1242.0	9.0 14.0	1561.0	16.0
Z14.4 160 0	1275 0 805-25	1912.0	58.0	010.0	14.0	640.0	7.0
400.0 202 4	1373.0 303-27	1710 0	26.0	910.0	11.0	040.0	7.0
303.4 250.7	1214.9 303-33	17 10.0	30.0	1104.0	11.0	1055.0	9.0
250.7	1041.4 565-35	1823.0	37.0	1337.0	11.0	1055.0	12.0
008.7	1080.7 SG5-42	2147.0	49.0	1458.0	19.0	1033.0	12.0
163.2	584.0 SG5-45	1839.0	38.0	1413.0	13.0	1148.0	12.0
178.1	675.8 SG5-49	1705.0	43.0	1723.0	16.0	1738.0	17.0
33.2	90.4 91500-81	1045.0	24.0	1052.0	8.0	1056.0	11.0
33.1	91.3 91500-82	1056.0	23.0	1050.0	8.0	1048.0	11.0
29.6	81.6 91500-83	1069.0	24.0	1056.0	8.0	1050.0	11.0
119.7	124.5 MT-73	745.0	26.0	723.0	7.0	716.0	8.0
136.8	132.0 MT-74	763.0	26.0	729.0	7.0	718.0	8.0
134.1	125.8 MT-75	743.0	26.0	727.0	7.0	722.0	8.0
17.4	30.7 SG6-02	2082.0	44.0	2079.0	22.0	2076.0	40.0
51.7	65.2 SG6-06	2105.0	42.0	2074.0	24.0	2043.0	42.0
24.5	117.1 SG6-10	2081.0	40.0	2077.0	22.0	2072.0	40.0
114.3	286.0 SG6-13	2121.0	72.0	2058.0	28.0	1996.0	42.0
97.8	66.7 SG6-18	2101.0	44.0	2101.0	24.0	2101.0	44.0
442.8	446.8 SG6-07	2147.0	40.0	2059.0	22.0	1972.0	40.0
45.6	72.2 SG6-21	2159.0	42.0	2146.0	24.0	2133.0	46.0
122 0	1755 8 SG6-01	1662 0	72 0	1051.0	20.0	782 0	18.0
140 7	584 4 SG6-04	1819.0	42.0	1295.0	18.0	1003.0	20.0
62.6	679.5 SG6-11	1728.0	68.0	1172.0	18.0	894.0	20.0
156.3	1214 6 SG6-14	1592.0	48 0	739.0	10.0	490.0	10.0
1243.6	5680 8 SG6-23	2102.0	40.0	884.0	14.0	480.0	10.0
2045 3	6862 4 SG6-25	394.0	208.0	213.0	24.0	107.0	6.0
162.5	1385 9 SG6-28	1873.0	72.0	1804.0	24.0	1745 0	34.0
338.7	1548 1 SC6-33	1731 0	52.0	845.0	16.0	5/9.0	12.0
183.1	889 6 566-36	1615.0	76.0	1204 0	22.0	020.0 020 N	22.0
18.2	207.2 566-38	1873 0	66 0	1483.0	22.0 22 0	1226.0	24.0
75.2	207.2 000-00	1820 0	<u>4</u> 4 0	628.0	12 0	348 0	2 <del>1</del> .0 & A
51 A	560 3 906 57	1029.0	64 0	1510.0	20 0	12/6 0	26.0
70.0	701 5 906 61	1526.0	0 <del>4</del> .0 88 0	888 0	20.0 24 0	651 0	20.0 11 0
13.3	191.0 000-01	1000.0	00.0	0.000	2 <del>4</del> .0	001.0	14.0
31.4	86.9 91500-84	1079.0	48.0	1057.0	16.0	1047.0	22.0
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35.4	98.0 91500-85	1052.0	48.0	1051.0	16.0	1051.0	24.0
146.1	133.4 MT-76	713.0	52.0	724.0	14.0	727.0	16.0
74.8	99.1 MT-77	714.0	56.0	720.0	14.0	722.0	16.0

		NORMAL C	ONCORD	IA PLOT DA	TA		INVERSE C	ONCORDI
Pb208/Th2 +/-	2 s	Pb207/U23 1	s	Pb206/U23	1s	RHO	U238/Pb201	RSD
2036.0	48.0	6.74373	0.08731	0.37308	0.00442	0.91507	2.68039	1.18473
2077.0	62.0	6.95388	0.08543	0.37929	0.00447	0.95930	2.63651	1.17852
2112.0	80.0	6.82686	0.09017	0.37616	0.00458	0.92183	2.65844	1.21757
2108.0	100.0	6.86973	0.10288	0.37905	0.00510	0.89843	2.63817	1.34547
2174.0	104.0	6.76041	0.08897	0.37391	0.00425	0.86368	2.67444	1.13664
2194.0	74.0	6.81559	0.08954	0.37595	0.00471	0.95362	2.65993	1.25283
2221.0	72.0	6.94696	0.08950	0.38278	0.00476	0.96523	2.61247	1.24353
1976.0	48.0	6.49517	0.08663	0.36130	0.00444	0.92138	2.76778	1.22890
1770.0	56.0	6.54523	0.07977	0.36025	0.00422	0.96116	2.77585	1.17141
2344.0	156.0	7,13497	0.12853	0.39051	0.00579	0.82306	2,56075	1,48268
			0			0.02000		
1719.0	40.0	5.54248	0.07076	0.31198	0.00366	0.91891	3.20533	1.17315
1086.0	26.0	2.96930	0.03695	0.19140	0.00215	0.90268	5.22466	1.12330
1849.0	52.0	6.00707	0.10411	0.33670	0.00475	0.81399	2,97000	1.41075
1861.0	56.0	5 90535	0 11651	0.33836	0.00506	0 75797	2 95543	1 49545
950.0	42.0	2 70014	0.06852	0 16750	0.00258	0 60698	5 97015	1 54030
1830.0	44.0	5 01513	0.00002	0.10700	0.00230	0.82463	3 00400	1 1 2 9 5 0
1341.0	44.0	1 29190	0.00102	0.33209	0.00370	0.02403	4 15007	1.12950
1905 0	40.0	4.20100	0.07490	0.24090	0.00339	0.00302	4.15007	1.40007
1095.0	40.0	0.19372	0.12300	0.34560	0.00400	0.36233	2.09352	1.15741
1839.0	46.0	6.00523	0.09352	0.33505	0.00414	0.79344	2.98463	1.23564
1943.0	50.0	7.06906	0.10617	0.35830	0.00425	0.78977	2.79096	1.18616
000 0	26.0							
900.0	30.0							
1008.0	34.0							
608.0	30.0							
617.0	30.0							
614.0	30.0							
615.0	32.0							
613.0	24.0							
617.0	26.0							
619.0	32.0							
605.0	16.0							
697.0	20.0							
725.0	22.0							
2039.0	54.0	7.01025	0.10122	0.37477	0.00488	0.90182	2.66830	1.30213
2314.0	84.0	7.22301	0.09549	0.39462	0.00494	0.94691	2.53408	1.25184
2237.0	78.0	7.06286	0.09331	0.38720	0.00488	0.95397	2.58264	1.26033
2183.0	94.0	7.14550	0.10567	0.38977	0.00532	0.92296	2.56562	1.36491
2302.0	84.0	7.35827	0.09610	0.39925	0.00494	0.94740	2.50470	1.23732
2091.0	130.0	6.88446	0.12003	0.37534	0.00549	0.83893	2.66425	1.46267
2110.0	62.0	7.36925	0.14963	0.38907	0.00578	0.73165	2.57023	1.48559
2027.0	122.0	7.10035	0.12068	0.38979	0.00560	0.84528	2.56548	1.43667
1994.0	136.0	7.17079	0.13095	0.39449	0.00584	0.81066	2.53492	1.48039
2214.0	166.0	7.24716	0.13741	0.39319	0.00586	0.78604	2.54330	1.49037
2034.0	160.0	7.09851	0.14461	0.38749	0.00624	0.79048	2.58071	1.61036
2183.0	100.0	7.29540	0.11016	0.39573	0.00552	0.92377	2.52698	1.39489
2176.0	144.0	7.27523	0.13180	0.39373	0.00597	0.83696	2.53981	1.51627
2366.0	106.0	7.31214	0.10360	0.39845	0.00513	0.90872	2,50973	1.28749

2026.0	56.0	6.96029	0.11707	0.37230	0.00515	0.82242	2.68601	1.38329
2015.0	48.0	6.98801	0.10319	0.37051	0.00416	0.76034	2.69898	1.12278
2214.0	170.0	7.12403	0.13199	0.39008	0.00571	0.79007	2.56358	1.46380
2035.0	50.0	6.66625	0.09482	0.37241	0.00447	0.84386	2.68521	1.20029
2093.0	56.0	7.34769	0.11364	0.38606	0.00515	0.86253	2.59027	1.33399
2077.0	52.0	7.26164	0.09957	0.38267	0.00463	0.88239	2.61322	1.20992
2179.0	132.0	6.92475	0.12071	0.37576	0.00556	0.84884	2.66127	1.47967
2353.0	88.0	7.40166	0.09857	0.39757	0.00503	0.95003	2.51528	1.26519
2020.0	60.0	6.66479	0.13220	0.36989	0.00555	0.75644	2,70351	1.50045
2353.0	170.0	7 14743	0 11478	0.38438	0.00457	0 74035	2 60159	1 18893
2098.0	144 0	7 00247	0 12746	0.38313	0.00568	0 81448	2 61008	1 48253
2053.0	50.0	6 90457	0 10759	0.37684	0.00461	0 78507	2 65365	1 22333
2071.0	66.0	7.31869	0.15451	0.38191	0.00569	0.70571	2.61842	1.48988
2087.0	68.0	7.49689	0.17064	0.38565	0.00599	0.68239	2.59302	1.55322
1944.0	60.0	6.91712	0.14633	0.35769	0.00542	0.71628	2.79572	1.51528
1976.0	68.0	7.59729	0.16457	0.36637	0.00549	0.69177	2.72948	1.49849
101 0.0	00.0	1.001.20	0.10101	0.00001	0.00010	0.00111	2.7 20 10	
1010.0	34.0							
1035.0	36.0							
1042.0	42.0							
619.0	26.0							
603.0	26.0							
629.0	32.0							
601.0	32.0							
628.0	26.0							
600.0	26.0							
614 0	34.0							
617.0	32.0							
615.0	28.0							
617.0	20.0							
602.0	20.0							
622.0	16.0							
722.0	22.0							
733.0	22.0							
741.0	20.0							
2082.0	78.0	6 96758	0 08419	0 37445	0 00420	0 92828	2 67058	1 12165
1083 0	80.0	6 53036	0.00419	0.36037	0.00420	0.92020	2 77/030	1 2/1872
2042.0	52 0	6 83300	0.00730	0.37445	0.00430	0.90024	2.67058	1.24072
1096 0	JZ.0	6 54400	0.10012	0.37443	0.00409	0.09159	2.07030	1.00092
1900.0	44.U 00 0	0.04499	0.09024	0.30333	0.00394	0.76051	2.15252	1.00441
2103.0	00.0	0.79091	0.06579	0.37472	0.00429	0.90730	2.00000	1.14400
2021.0	76.0	0.03454	0.09154	0.30340	0.00477	0.95118	2.75133	1.31239
2067.0	70.0	8 15911	0 16402	0 38400	0.00571	0 73766	2 50747	1 /0216
2007.0	70.0 E4.0	0.10014	0.10403	0.30499		0.13100	2.09/4/	1.40310
1944.0	04.U	0.99334	0.11200	0.00000	0.00400	0.00090	2.19201	1.00202
1029.0	44.0	0.90002	0.00009	0.00004	0.00402	0.02920	3.00204 2.06405	1.20/00
10/3.0	40.0	0.02020	0.00103	0.30634	0.00360	0.0/311	3.20435	1.1/510
1400.0	42.0	4.00499	0.07781	0.20204	0.003/1	0.04988	3.80460	1.41151
1015.0	52.0	5.90829	0.09616	0.33036	0.00453	0.84252	3.02/00	1.3/123
1902.0	78.0	6.29425	0.08019	0.34429	0.00401	0.91421	2.90453	1.164/2
1846.0	50.0	6.70633	0.11459	0.33962	0.00449	0.77373	2.94447	1.32207
1952.0	54.0	7.25129	0.11574	0.36064	0.00492	0.85472	2.77285	1.36424

1959.0	60.0	7.34634	0.15354	0.36225	0.00556	0.73437	2.76052	1.53485
2531.0	86.0	14.67510	0.32752	0.49267	0.00800	0.72757	2.02976	1.62380
1951.0	60.0	11.44223	0.18761	0.37517	0.00505	0.82095	2.66546	1.34606
1672.0	120.0	4.43788	0.08330	0.30186	0.00458	0.80833	3.31279	1.51726
9478.0	380.0	70.19086	1.01535	1.13165	0.01490	0.91020	0.88367	1.31666
1022.0	30.0							
1009.0	32.0							
610.0	22.0							
617.0	22.0							
615.0	30.0							
608.0	30.0							
612.0	24.0							
609.0	26.0							
604.0	32.0							
620.0	17.0							
704.0	22.0							
715.0	24.0							
1894.0	122.0	6.63059	0.12051	0.35864	0.00550	0.84379	2.78831	1.53357
1904.0	64.0	6.25369	0.14768	0.34753	0.00573	0.69820	2.87745	1.64878
2035.0	60.0	6.77120	0.12677	0.37296	0.00553	0.79198	2.68125	1.48273
2046.0	168.0	6.33834	0.13050	0.35003	0.00556	0.77150	2.85690	1.58844
1594.0	40.0	5.05750	0.08099	0.28802	0.00338	0.73282	3.47198	1.17353
1875.0	56.0	6.07596	0.11074	0.34153	0.00505	0.81128	2.92800	1.47864
1460.0	50.0	4.84824	0.11701	0.26401	0.00438	0.68741	3.78774	1.65903
1699.0	54.0	5.46723	0.11623	0.30815	0.00467	0.71286	3.24517	1.51550
406.0	16.0	1.36919	0.02376	0.07172	0.00104	0.83562	13.94311	1.45008
595.0	22.0	1.92908	0.03823	0.10530	0.00161	0.77151	9.49668	1.52896
1064.0	60.0	2.38423	0.10486	0.18391	0.00308	0.38079	5.43744	1.67473
1524.0	54.0	5.35453	0.13970	0.27740	0.00465	0.64250	3.60490	1.67628
1218.0	54.0	4.15625	0.13999	0.21966	0.00391	0.52848	4.55249	1.78002
1011.0	54.0	2.68213	0.11318	0.17736	0.00316	0.42222	5.63825	1.78169
1734.0	96.0	5.66925	0.09639	0.30868	0.00464	0.88410	3.23960	1.50317
1405.0	48.0	4.76178	0.09564	0.25419	0.00376	0.73648	3.93407	1.47921
1725.0	52.0	5.69043	0.10625	0.31368	0.00457	0.78027	3.18796	1.45690
1732.0	40.0	5.79725	0.08768	0.31548	0.00357	0.74820	3.16977	1.13161
1650.0	56.0	5.27547	0.12866	0.29863	0.00486	0.66730	3.34863	1.62743
1092.0	32.0	4.44855	0.06785	0.19944	0.00268	0.88103	5.01404	1.34376
1150.0	56.0	3.31856	0.09573	0.20395	0.00332	0.56431	4.90316	1.62785
1700.0	52.0	5.74770	0.10390	0.30973	0.00461	0.82337	3.22862	1.48839
1471.0	50.0	4.83509	0.11633	0.26588	0.00439	0.68626	3.76110	1.65112
1537.0	48.0	5.22797	0.08730	0.27907	0.00393	0.84333	3.58333	1.40825
3173.0	280.0	1.75055	0.03907	0.08535	0.00142	0.74545	11.71646	1.66374
2344.0	118.0	7.14753	0.11345	0.38788	0.00553	0.89821	2.57812	1.42570
2288.0	82.0	7.40246	0.09838	0.40086	0.00506	0.94979	2.49464	1.26229
2193.0	76.0	7.18030	0.09388	0.39067	0.00491	0.96126	2.55971	1.25682
2274.0	80.0	7.25280	0.09454	0.39748	0.00495	0.95539	2.51585	1.24535
1667.0	96.0	7.04486	0.11309	0.38452	0.00532	0.86187	2.60064	1.38354
1942.0	56.0	6.39217	0.10452	0.35475	0.00509	0.87749	2.81889	1.43481

2231.0	66.0	7.30674	0.09155	0.39661	0.00487	0.98001	2.52137	1.22791
2249.0	98.0	7.05215	0.10613	0.38654	0.00541	0.93001	2.58705	1.39960
2195.0	110.0	7.22619	0.11452	0.39675	0.00564	0.89700	2.52048	1.42155
2141.0	86.0	7.04597	0.09899	0.38706	0.00513	0.94338	2.58358	1.32538
2124.0	80.0	7.09311	0.09694	0.38831	0.00503	0.94781	2.57526	1.29536
2278.0	94.0	7.41076	0.10480	0.40803	0.00543	0.94104	2.45080	1.33078
2196.0	194.0	7.25968	0.15187	0.39531	0.00629	0.76060	2.52966	1.59116
2162.0	102.0	7.19621	0.10429	0.39459	0.00514	0.89883	2.53428	1.30262
2261.0	296.0	7.04463	0.20563	0.37544	0.00702	0.64057	2.66354	1.86981
2135.0	88.0	7.29962	0.10380	0.39786	0.00524	0.92620	2.51345	1.31705
2114.0	90.0	7.22141	0.10250	0.39205	0.00512	0.92008	2.55070	1.30596
2148.0	94.0	7.28257	0.10316	0.39731	0.00508	0.90263	2.51693	1.27860
2078.0	122.0	7.16433	0.11747	0.38967	0.00541	0.84674	2.56627	1.38835
1886.0	48.0	6.20534	0.09316	0.34419	0.00441	0.85345	2.90537	1.28127
1919.0	58.0	6.51383	0.12152	0.35136	0.00537	0.81924	2.84608	1.52835
1047.0	38.0							
1024.0	32.0							
1066.0	32.0							
1053.0	34.0							
1032.0	36.0							
616.0	24.0							
613.0	38.0							
617.0	40.0							
606.0	28.0							
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624.0	20.0							
604 0	24.0							
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610.0	2 <del>4</del> .0 16.0							
715.0	34.0							
738.0	28.0							
718.0	20.0							
726.0	22.0							
2050.0	68.0	7.21948	0.08479	0.38546	0.00421	0.92996	2.59430	1.09220
2210.0	70.0	7.30579	0.08719	0.39339	0.00450	0.95849	2.54201	1.14390
2128.0	70.0	7.16156	0.08417	0.37965	0.00426	0.95472	2.63401	1.12209
2219.0	76.0	7.46001	0.09051	0.39592	0.00451	0.93888	2.52576	1.13912
2256.0	82.0	7.52752	0.09155	0.39861	0.00446	0.91998	2.50872	1.11889
2117.0	86.0	7.06437	0 08498	0 37771	0 00400	0 88036	2 64753	1 05901

2152.0	82.0	7.18483	0.09049	0.38682	0.00448	0.91957	2.58518	1.15816
1989.0	74.0	6.91744	0.08360	0.37183	0.00414	0.92129	2.68940	1.11341
2202.0	98.0	7.41501	0.10054	0.39385	0.00472	0.88386	2.53904	1.19843
2188.0	74.0	7.22920	0.08265	0.38909	0.00410	0.92168	2.57010	1.05374
2145.0	72.0	7.26360	0.08906	0.38858	0.00450	0.94450	2.57347	1.15806
2148.0	64.0	7.25933	0.08577	0.38355	0.00439	0.96873	2.60722	1.14457
2054.0	44.0	7.11831	0.08353	0.37799	0.00414	0.93337	2.64557	1.09527
2179.0	68.0	7.33813	0.08869	0.39262	0.00457	0.96306	2.54699	1.16398
1728.0	70.0	6.89067	0.09660	0.36565	0.00473	0.92274	2.73486	1.29359
2135.0	70.0	7.27666	0.08945	0.38810	0.00457	0.95791	2.57666	1.17753
2193.0	80.0	7 39262	0.09603	0 39345	0.00481	0.94112	2 54162	1 22252
2180.0	80.0	7 42969	0.09562	0 39453	0.00476	0 93745	2 53466	1 20650
2195.0	98.0	7 40451	0 10276	0.39631	0.00493	0.89636	2 52328	1 24398
2100.0	00.0	1.40401	0.10270	0.00001	0.00400	0.00000	2.02020	1.24000
1947.0	42.0	6.67581	0.07944	0.35709	0.00387	0.91075	2.80041	1.08376
1055.0	32.0							
1060.0	32.0							
622.0	22.0							
602.0	22.0							
612.0	28.0							
618.0	28.0							
611.0	22.0							
619.0	22.0							
615.0	26.0							
605.0	19.0							
744 0	22.0							
722.0	22.0							
122.0	22.0							
1997.0	48.0	6.74921	0.09287	0.36625	0.00453	0.89887	2.73038	1.23686
1981.0	50.0	6.56031	0.09539	0.36254	0.00443	0.84037	2.75832	1.22193
2362.0	104.0	7 17971	0.09177	0 39697	0.00438	0.86322	2 51908	1 10336
2002.0	10110		0.00111	0.00001	0.00100	0.00022	2.01000	
1847.0	42.0	6.11759	0.10196	0.33692	0.00366	0.65179	2.96806	1.08631
2006.0	72.0	6.54744	0.08372	0.35365	0.00430	0.95090	2.82765	1.21589
2072.0	52.0	6.97242	0.09885	0.38053	0.00441	0.81744	2.62791	1.15891
662.0	18.0	2.00281	0.02874	0.11652	0.00142	0.84926	8.58222	1.21867
1134.0	34.0	3.31569	0.05656	0.20131	0.00284	0.82702	4.96746	1.41076
842.0	30.0	2.23417	0.04031	0.14711	0.00193	0.72714	6.79763	1.31194
1127.0	36.0	3.40708	0.05603	0.20065	0.00261	0.79098	4.98380	1.30077
1088.0	30.0	3.13435	0.05228	0.19265	0.00232	0.72199	5,19076	1.20426
837.0	38.0	1 58032	0.03916	0 14151	0.00157	0 44773	7 06664	1 10946
651.0	26.0	1.50606	0.02502	0 11189	0.00125	0.67247	8 93735	1 11717
857.0	44 0	2 00734	0.05414	0 14810	0.00164	0 41057	6 75219	1 10736
663.0	18.0	1 41321	0.02058	0 11302	0.00133	0 80809	8 84799	1 17678
1171 0	48.0	3.04046	0.07069	0.20566	0.00232	0.48520	4.86239	1.12808
1116.0	34.0	3 41638	0.05160	0 19887	0.00209	0.69581	5 02841	1 05094
809.0	26 N	2 00672	0.03253	0 14033	0.00195	0 85721	7 12606	1 38958
891.0	32.0	2 31810	0.04451	0 15564	0.00232	0 77635	6 42508	1 49062
1559.0	46 N	4 73978	0.08261	0 28038	0.00350	0 71622	3 56659	1 24831
1000.0	-0.0	4.70070	0.00201	0.20000	0.00000	0.7 1022	0.00000	1.27001

1069.0 34.0

1071.0	32.0							
1058.0	32.0							
1050.0	32.0							
614.0	26.0							
610.0	24.0							
601.0	30.0							
623.0	30.0							
615.0	22.0							
612.0	22.0							
622.0	28.0							
604.0	28.0							
619.0	22.0							
604.0	22.0							
628.0	30.0							
600.0	15.0							
710.0	22.0							
698.0	20.0							
715.0	22.0							
2460.0	108.0	8.18355	0.10482	0.41248	0.00486	0.91988	2.42436	1.17824
2139.0	86.0	8.18767	0.10864	0.41154	0.00508	0.93030	2.42990	1.23439
2121.0	52.0	7.75991	0.11047	0.39289	0.00481	0.85998	2.54524	1.22426
2245.0	194.0	8.01890	0.14218	0.40113	0.00457	0.64255	2.49296	1.13928
2179.0	56.0	7.92615	0.11461	0.40385	0.00530	0.90760	2.47617	1.31237
2429.0	158.0	7.90162	0.11835	0.40340	0.00452	0.74808	2.47893	1.12048
2465.0	86.0	8.71997	0.10676	0.44158	0.00510	0.94334	2.26460	1.15494
2318.0	120.0	8.26810	0.11573	0.41949	0.00513	0.87369	2.38385	1.22291
2037.0	58.0	7.01742	0.12179	0.37460	0.00530	0.81522	2.66951	1.41484
1913.0	46.0	6.72440	0.08942	0.35131	0.00422	0.90332	2.84649	1.20122
1713.0	72.0	6.62873	0.09720	0.34096	0.00466	0.93207	2.93290	1.36673
1804.0	52.0	6.52862	0.10480	0.33137	0.00461	0.86666	3.01777	1.39119
1988.0	54.0	7.15616	0.11010	0.36664	0.00498	0.88284	2.72747	1.35828
1626.0	46.0	5.87744	0.10107	0.29741	0.00409	0.79971	3.36236	1.37521
1748.0	42.0	5.84069	0.08133	0.31847	0.00380	0.85690	3.14001	1.19321
477.0	30.0	0.99438	0.03434	0.08086	0.00094	0.33662	12.36705	1.16250
992.0	26.0	3.00506	0.04222	0.17608	0.00207	0.83675	5.67924	1.17560
1993.0	86.0	7.39540	0.09658	0.37166	0.00442	0.91065	2.69063	1.18926
1420.0	72.0	7.40165	0.09737	0.37382	0.00440	0.89473	2.67508	1.17704
1696.0	92.0	7.07317	0.11024	0.36762	0.00508	0.88662	2.72020	1.38186
1069.0	36.0							
1051.0	36.0							
602.0	24.0							
623.0	24.0							
618.0	30.0							
609.0	30.0							
617.0	24.0							
611.0	24.0							
613.0	30.0							
611.0	16.0							
722.0	20.0							

694.0	22.0							
2197.0	78.0	7.12269	0.09012	0.39103	0.00453	0.91561	2.55735	1.15848
2202.0	84.0	7.10990	0.09418	0.38941	0.00479	0.92861	2.56799	1.23007
2211.0	82.0	7.14208	0.08622	0.39033	0.00430	0.91254	2.56193	1.10163
2307.0	54.0	9.76818	0.13650	0.43474	0.00506	0.83292	2.30023	1.16391
2574.0	102.0	10.67593	0.12995	0.46873	0.00516	0.90439	2.13342	1.10085
1304.0	28.0	5.30520	0.06887	0.23935	0.00245	0.78850	4.17798	1.02361
620.0	28.0	2.05668	0.03092	0.10995	0.00120	0.72596	9.09504	1.09141
857.0	42.0	3.75507	0.05690	0.18864	0.00260	0.90959	5.30110	1.37829
2324.0	192.0	4.29740	0.08497	0.06003	0.00098	0.82565	16.65834	1.63252
1189.0	52.0	5.37238	0.10553	0.21972	0.00279	0.64644	4.55125	1.26980
1040.0	32.0							
609.0	22.0							
615.0	22.0							
615.0	28.0							
609.0	14.0							
704.0	20.0							
2176.0	102.0	7.32496	0.10309	0.39440	0.00498	0.89718	2.53550	1.26268
2126.0	68.0	7.17105	0.08766	0.38725	0.00456	0.96328	2.58231	1.17753
924.0	34.0	5.59099	0.13313	0.17407	0.00285	0.68760	5.74482	1.63727
1574.0	44.0	5.18659	0.08331	0.28522	0.00380	0.82945	3.50607	1.33230
1759.0	42.0	5.49744	0.07513	0.31860	0.00371	0.85207	3.13873	1.16447
1694.0	48.0	5.11967	0.09043	0.30536	0.00427	0.79167	3.27482	1.39835
1713.0	42.0	5.59380	0.08544	0.31121	0.00370	0.77838	3.21326	1.18891
1530.0	38.0	4.76050	0.06352	0.27552	0.00341	0.92756	3.62950	1.23766
963.0	36.0	3.38406	0.05914	0.17307	0.00244	0.80672	5.77801	1.40983
1462.0	60.0	5.82600	0.07149	0.32023	0.00346	0.88052	3.12276	1.08047
1661.0	48.0	4.80439	0.08221	0.29805	0.00425	0.83332	3.35514	1.42594
1820.0	60.0	5.51767	0.13390	0.32914	0.00517	0.64727	3.03822	1.57076
1088.0	36.0	3.47813	0.07210	0.19446	0.00295	0.73182	5.14245	1.51702
1542.0	36.0	4.52704	0.05573	0.27627	0.00319	0.93796	3.61965	1.15467
1499.0	54.0	4.79377	0.13327	0.27036	0.00452	0.60137	3.69877	1.67184
1378.0	34.0	4.41619	0.06601	0.24802	0.00278	0.74989	4.03193	1.12088
1056.0	96.0	5.55933	0.11689	0.28972	0.00456	0.74857	3.45161	1.57393
1130.0	46.0	4.51354	0.05545	0.24945	0.00280	0.91367	4.00882	1.12247
1268.0	42.0	4.06290	0.08842	0.22768	0.00354	0.71444	4.39213	1.55481
1696.0	78.0	5.01677	0.07553	0.31990	0.00435	0.90319	3.12598	1.35980
1808.0	48.0	5.30174	0.08012	0.32589	0.00434	0.88124	3.06852	1.33174
1655.0	38.0	4.52868	0.05986	0.29538	0.00330	0.84522	3.38547	1.11720
1799.0	108.0	5.09814	0.08196	0.32801	0.00444	0.84199	3.04869	1.35362
1786.0	76.0	4.96360	0.06372	0.31838	0.00367	0.89793	3.14090	1.15271
1698.0	44.0	4.96775	0.07522	0.30524	0.00391	0.84598	3.27611	1.28096
2113.0	92.0	7.13257	0.09527	0.38402	0.00460	0.89680	2.60403	1.19785
1657.0	58.0	5.39987	0.14400	0.30055	0.00498	0.62135	3.32723	1.65696
2001.0	50.0	6.77209	0.09637	0.36708	0.00469	0.89783	2.72420	1.27765

1940.0	42.0	6.41975	0.08381	0.35465	0.00382	0.82506	2.81968	1.07712
1060.0	40.0							
1036.0	34.0							
1050.0	36.0							
611.0	24.0							
620.0	26.0							
613.0	32.0							
615.0	34.0							
607.0	22.0							
619.0	22.0							
613.0	28.0							
617.0	30.0							
614.0	24.0							
618.0	24.0							
610.0	28.0							
615.0	15.0							
713.0	22.0							
707.0	20.0							
720.0	24.0							
2343.0	150.0	7.38481	0.13029	0.39664	0.00599	0.85597	2.52118	1.51019
1992.0	46.0	6.85246	0.10370	0.36582	0.00415	0.74963	2.73358	1.13444
2189.0	96.0	7.71434	0.11539	0.39099	0.00547	0.93530	2.55761	1.39901
1730.0	86.0	7.36606	0.09471	0.36889	0.00394	0.83069	2.71084	1.06807
2156.0	56.0	7.77757	0.11893	0.39917	0.00528	0.86502	2.50520	1.32274
1848 0	68 0	6 40961	0 08234	0 34010	0 00416	0 95215	2 94031	1 22317
1798.0	54.0	6.33216	0.11236	0.32939	0.00480	0.82124	3 03591	1 45724
1492.0	42.0	4 94526	0.08008	0.27005	0.00379	0.86668	3 70302	1 40344
1575.0	44.0	5 27520	0.08503	0 28584	0.00388	0.84212	3 49846	1.35740
1711 0	130.0	5 35819	0.09968	0 28751	0.00433	0.80955	3 47814	1 50603
		0.00010		0.20101			••••••	
1078.0	36.0							
613.0	24.0							
610.0	26.0							
611.0	30.0							
615.0	16.0							
736.0	24.0							
	1	NORMAL C	ONCORDIA	A PLOT DA	ГА		<b>INVERSE C</b>	ONCORDI
Pb208/Th2:2 s	F	Pb207/U23 1	ls F	Pb206/U23 <sup>-</sup>	ls	RHO	U238/Pb20 F	RSD
2178.0	29.0	6.92412	0.07813	0.38221	0.00421	0.97617	2.61636	1.10149
2124.0	38.0	6.77173	0.09061	0.37566	0.00446	0.88729	2.66198	1.18724
2193.0	39.0	6.94880	0.09427	0.38726	0.00469	0.89270	2.58224	1.21107
2086.0	22.0	7.09392	0.10459	0.38352	0.00418	0.73924	2.60743	1.08990
2172.0	37.0	7.03800	0.09237	0.38968	0.00463	0.90530	2.56621	1.18815
2138.0	41.0	6.78510	0.08461	0.37596	0.00418	0.89160	2.65986	1.11182
2131.0	38.0	6.95737	0.08738	0.38765	0.00455	0.93455	2.57965	1.17374
2151.0	35.0	6.80855	0.08508	0.37651	0.00426	0.90544	2.65597	1.13144
2054.0	38.0	6.69691	0.08627	0.37222	0.00431	0.89886	2.68658	1.15792

2101.0	47.0	6.75889	0.09341	0.37757	0.00429	0.82213	2.64852	1.13621
2216.0	57.0	7.25122	0.11324	0.39804	0.00521	0.83815	2.51231	1.30891
2176.0	61.0	6.89289	0.10973	0.38444	0.00476	0.77778	2.60119	1.23816
2131.0	34.0	7.10549	0.08389	0.39142	0.00436	0.94347	2.55480	1.11389
	••			0.00.1				
1118.0	20.0	2.27318	0.11288	0.19166	0.00259	0.27214	5.21757	1.35135
2061.0	30.0	6.58488	0.07894	0.36460	0.00415	0.94947	2.74273	1.13823
1728.0	20.0	5.13115	0.09440	0.31119	0.00343	0.59912	3.21347	1.10222
779.0	38.0	1.16422	0.10518	0.12853	0.00189	0.16276	7,78028	1,47047
885.0	33.0	2 37663	0.04878	0 15493	0.00225	0 70757	6 45453	1 45227
1991 0	24.0	6 24064	0 19109	0.36266	0.00488	0 43945	2 75740	1 34561
1751 0	20.0	5 26991	0 12578	0.31591	0.00377	0 50000	3 16546	1 19338
2488.0	74.0	4 07190	0.06461	0.21500	0.00251	0.73575	4 65116	1 16744
2223 0	75.0	2 / 0536	0.00401	0.12882	0.00201	0.70076	7 76277	1.107 44
2140.0	19.0	6.06460	0.04023	0.12002	0.00133	0.75520	2 66552	1 275/1
2140.0	40.0 20 0	0.90400	0.11207	0.37510	0.00510	0.03475	2.00000	1.57541
1902.0	20.0	0.09019	0.06040	0.30455	0.00422	0.94977	2.74320	1.10/00
2074.0	30.0	0.90020	0.09271	0.37 149	0.00404	0.94106	2.09100	1.24902
1428.0	22.0	4.71039	0.09032	0.25797	0.00336	0.67927	3.87042	1.30248
2024.0	38.0	6.69310	0.09035	0.36732	0.00449	0.90553	2.72242	1.22237
1642.0	20.0	4.88789	0.15147	0.29532	0.00377	0.41195	3.38616	1.27658
1380.0	20.0	4.56680	0.10810	0.24905	0.00357	0.60558	4.01526	1.43345
1253.0	22.0	2.72825	0.14779	0.21686	0.00302	0.25708	4.61127	1.39260
988.0	29.0	2.89198	0.07430	0.17476	0.00235	0.52340	5.72213	1.34470
2427.0	79.0	4.75206	0.08418	0.25046	0.00358	0.80690	3.99265	1.42937
2029.0	43.0	6.61177	0.10110	0.36432	0.00494	0.88677	2.74484	1.35595
2029.0	35.0	6.61504	0.08923	0.36241	0.00456	0.93280	2.75931	1.25824
2040.0	29.0	6.18139	0.22591	0.37078	0.00588	0.43392	2.69702	1.58585
726.0	18.0	2.01018	0.05653	0.12704	0.00168	0.47025	7.87154	1.32242
1040.0	15.0							
1040.0	10.0							
1036.0	10.0							
1006.0	10.0							
1023.0	10.0							
1040.0	10.0							
1038.0	16.0							
1006.0	15.0							
1023.0	16.0							
702.0	10.0							
706.0	10.0							
708.0	10.0							
720.0	10.0							
750.0	12.0							
2273.0	34.0	3 13210	0.05610	0 2001/	0 00254	0 7/301	1 78110	1 21/150
1045 0	22.0	5.45210 6.96913	0.03010	0.20914	0.00234	0.74301	4.70149	1 17002
1945.0	23.0	0.00013	0.00307	0.37034	0.00440	0.97405	2.04313	1.17005
1318.0	14.0	1.45052	0.04021	0.10445	0.00128	0.44207	9.57396	1.22547
1286.0	17.0	2,14735	0.03261	0.14864	0.00168	0.74426	6,72766	1,13025
1232.0	14.0	2.39647	0.03029	0.11618	0.00130	0.88529	8.60733	1.11895
1340.0	16.0	2,73303	0.04213	0.17787	0.00220	0.80237	5,62208	1,23686
1321.0	17.0	2,92181	0.03705	0.15164	0.00170	0.88409	6.59457	1,12108
1675.0	18.0	3.02142	0.05198	0.19491	0.00219	0.65311	5,13057	1,12360
		<b>-</b>					- · • • • • •	

1369.0	18.0	3.09820	0.03919	0.17189	0.00192	0.88305	5.81767	1.11699
1757.0	19.0	3.20421	0.07803	0.17381	0.00222	0.52449	5.75341	1.27726
1420.0	17.0	3.33634	0.04540	0.21157	0.00240	0.83363	4.72657	1.13438
1196.0	14.0	3.89057	0.06391	0.23344	0.00294	0.76668	4.28376	1.25942
1769.0	20.0	3.95244	0.05905	0.23596	0.00292	0.82830	4.23801	1.23750
1308.0	17.0	4.25233	0.05724	0.25427	0.00294	0.85897	3.93283	1.15625
1178.0	15.0	4.80931	0.07587	0.28536	0.00308	0.68418	3.50435	1.07934
1614.0	19.0	5.59708	0.07689	0.32082	0.00364	0.82591	3.11701	1.13459
1134.0	13.0	6.01756	0.09364	0.35338	0.00416	0.75650	2.82981	1.17720
825.0	18.0	2,18940	0.03524	0.14849	0.00168	0.70291	6.73446	1.13139
870.0	10.0	2.68556	0.05358	0.15422	0.00169	0.54926	6.48424	1.09584
1586.0	19.0	3.26019	0.05416	0.20092	0.00222	0.66511	4.97711	1.10492
852.0	10.0	3.46736	0.05574	0.21837	0.00226	0.64379	4.57938	1.03494
817.0	18.0	3 64051	0.06154	0 22840	0.00277	0 71744	4 37828	1 21278
566.0	13.0	3 92225	0.05127	0 23532	0.00247	0.80299	4 24953	1 04963
1532.0	20.0	3 95928	0.05961	0 23908	0.00284	0 78899	4 18270	1 18789
607.0	8.0	4 00112	0.07139	0 24430	0.00285	0.65383	4 09333	1 16660
855.0	10.0	4 42355	0.07640	0 27407	0.00315	0.66547	3 64870	1 14934
1012.0	13.0	4 45921	0.08840	0.30951	0.00353	0.57531	3 23091	1 14051
972.0	12.0	4 95763	0.07036	0.29080	0.00328	0.07001	3 43879	1 12792
1106.0	15.0	5 24327	0.07020	0.20000	0.00020	0.70474	3 30316	1.08674
1741 0	25.0	5 49666	0.07020	0.31822	0.00346	0.77086	3 14248	1.00074
1741.0	20.0	0.40000	0.01100	0.01022	0.00040	0.11000	0.14240	1.007.00
1080.0	17 0							
1065.0	16.0							
1079.0	17.0							
725.0	11.0							
724.0	11.0							
726.0	11.0							
120.0	11.0							
2155 0	76 0	0 85618	0 01145	0 05554	0 00069	0 92897	18 00504	1 24235
2102.0	78.0	1 29735	0.01851	0.08882	0.00105	0.82857	11 25873	1 18217
2155.0	76.0	1 39785	0 02749	0 10626	0.00121	0 57903	9 41088	1 13872
1982.0	48.0	2 17017	0.02958	0 14881	0.00172	0 84799	6 71998	1 15584
2127.0	92.0	2 57962	0.03021	0 16830	0.00180	0.91326	5 94177	1 06952
2.2.0	02.0	2.07.002	0.00021	0.10000	0.00100	0.01020	0.01111	1.00002
1897.0	66.0	1.38827	0.01819	0.07727	0.00091	0.89882	12.94163	1.17769
2937.0	98.0	3.30976	0.04790	0.20949	0.00229	0.75532	4.77350	1.09313
745.0	40.0	0.23310	0.01467	0.03099	0.00046	0.23586	32.26847	1.48435
951.0	38.0	1.06997	0.01344	0.07895	0.00085	0.85712	12.66624	1.07663
855.0	26.0	1.81412	0.02687	0.12892	0.00152	0.79602	7.75675	1.17903
2153.0	100.0	2.27438	0.03619	0.16579	0.00196	0.74297	6.03173	1.18222
4522.0	184.0	3.46513	0.04556	0.21317	0.00245	0.87413	4.69109	1,14932
195.0	10.0	4.91011	0.07881	0.31092	0.00350	0.70134	3.21626	1.12569
1733.0	64.0	6.58897	0.10621	0.36288	0.00447	0.76418	2,75573	1,23181
3599.0	188.0	6.59444	0.08134	0.35778	0.00421	0.95398	2,79501	1,17670
956.0	26.0	6.71123	0.08789	0.37293	0.00454	0.92959	2.68147	1.21739
1184.0	36.0	6.72986	0.08201	0.37917	0.00438	0.94794	2.63734	1,15515
5193.0	196.0	6,74990	0.08392	0.37998	0.00431	0.91232	2.63172	1,13427
1201 0	32.0	6,91747	0.09447	0.38520	0.00472	0.89724	2,59605	1.22534
621.0	32.0	7.27902	0.09672	0.39213	0.00493	0.94618	2.55017	1.25724
~	02.0			2.30210	2.20100	2.2.3.0		

1071.0	34.0
1077.0	34.0
729.0	22.0
719.0	24.0

## IA PLOT DATA Pb207/Pb2 RSD

0.13110	1.75439
0.13298	1.09791
0.13164	1.18505
0.13145	1.27045
0.13114	1.26582
0.13150	1.12548
0.13164	1.09389
0.13038	1.81009
0.13178	1.09273
0.13252	1.58467
0.12885	1.73846
0.11252	1.67970
0.12939	2.23356
0.12658	2.47274
0.11691	2.96810
0.12887	1.77698
0.12888	2.25016
0.12998	2.30035
0.12999	1.99246
0.14309	1.91488

0.13567	1.94590
0.13276	1.13739
0.13230	1.12623
0.13297	1.22584
0.13368	1.12956
0.13305	1.51823
0.13737	2.51874
0.13214	1.47571
0.13185	1.61547
0.13370	1.70531
0.13289	1.83611
0.13372	1.24140
0.13404	1.57416
0.13311	1.23958

0.13559	2.17568
0.13679	1.85686
0.13247	1.66830
0.12983	1.86398
0.13804	2.04289
0.13763	1.83100
0.13366	1.51130
0.13504	1.13300
0.13068	2.48699
0.13487	1.60896
0.13256	1.60682
0.13289	1.97908
0.13899	2.58292
0.14099	2.75906
0.14025	2.60250
0.15039	2.63315

0.13496	1.14108
0.13162	1.16244
0.13237	1.96419
0.13065	1.75277
0.13160	1.19301
0.13240	1.14804
0.15369	2.49854
0.14165	2.10378
0.12970	1.88897
0.14253	1.78910
0.12927	2.18148
0.12971	2.12782
0.13260	1.16893
0.14322	2.15752
0.14583	2.09833

0.14708	2.59043
0.21603	2.75888
0.22120	2.12025
0.10665	1.65026
0.44989	1.24919

0.13410	1.54362
0.13051	2.88101
0.13167	2.38475
0.13136	1.83465
0.12736	1.98649
0.12903	2.34829
0.13318	2.92837
0.12868	2.61113
0.13846	2.26058
0.13286	2.49887
0.09402	4.71176
0.14000	3.10000
0.13723	3.81112
0.10968	4.57695
0.13322	1.39619
0.13586	2.49522
0.13157	2.37136
0.13827	1.89090
0.12812	2.93475
0.16177	2.03375
0.11801	3.31328
0.13459	2.34044
0.13189	2.91910
0.13587	2.18591
0.14878	2.04329
0.13366	1.32426
0.13394	1.14230
0.13331	1.11019
0.13235	1.11825
0.13289	1.40718
0.13068	2.17325

0.13363	1.07012
0.13233	1.24688
0.13210	1.34746
0.13204	1.18146
0.13249	1.15480
0.13174	1.18415
0.13320	1.89940
0.13228	1.27759
0.13614	2.85001
0.13307	1.20989
0.13360	1.22006
0.13295	1.24859
0.13335	1.43982
0.13076	1.97308
0.13446	2.40964

0.13585	1.14096
0.13471	1.09866
0.13682	1.09633
0.13667	1.13412
0.13697	1.16814
0.13567	1.21619

0.13472	1.18023
0.13494	1.15607
0.13656	1.26684
0.13476	1.15019
0.13559	1.12840
0.13728	1.07809
0.13658	1.60346
0.13557	1.09169
0.13669	1.21443
0.13600	1.10294
0.13629	1.14462
0.13660	1.14934
0.13552	1.25443
0.13559	1.60779

0.13365	1.84811
0.13124	1.89729
0.13119	1.25772
0.13169	1.98952
0.13429	1.11699
0.13289	1.82858
0.12466	1.88513
0.11946	2.20994
0.11014	2.23352
0.12315	2.09501
0.11800	2.05932
0.08099	2.71638
0.09762	1.99754
0.09830	2.91963
0.09069	1.87452
0.10722	2.58347
0.12459	1.83803
0.10371	2.13094
0.10803	2.43451
0.12261	2.14501

0.14390	1.17443
0.14431	1.16416
0.14325	1.87784
0.14498	1.84163
0.14235	1.95293
0.14210	1.52006
0.14323	1.12407
0.14296	1.29407
0.13586	2.23760
0.13882	1.79369
0.14102	1.19132
0.14289	2.12751
0.14156	2.05567
0.14333	2.20470
0.13301	1.83445
0.08919	3.64391
0.12377	1.83405
0.14433	1.19864
0.14362	1.22546
0.13956	1 22550

0.13211	1.18840
0.13243	1.17798
0.13271	1.16042
0.16296	1.81640
0.16519	1.17441
0.16076	1.65464
0.13567	1.85745
0.14439	1.26048
0.51911	2.27505
0.17734	2.34014

0.13471	1.26197
0.13431	1.08704
0.13431 0.23295 0.13188 0.12515 0.12160 0.13036 0.12531 0.14181 0.13196 0.11691 0.12158 0.12972 0.11884 0.12972 0.11884 0.12914 0.13917 0.13123 0.12942 0.11375 0.11799 0.11120 0.11273	1.08704 2.88903 2.08523 1.79784 2.25329 1.93311 1.81949 2.24949 1.22007 2.22393 2.89521 2.56707 1.69135 3.24261 1.86619 1.93289 1.15827 2.67347 1.28352 2.01712 1.72662 1.43706
0.11307	1.21164
0.11804	1.98238
0.13475	1.24675
0.13031	3.13867
0.13380	1.91330

0.13129 1.69091

0.13506	1.47342
0.13585	1.89179
0.14311	1.20886
0.14483	1.29807
0.14131	2.02392
0.13669	1.12664
0.13942	2.29522
0.13281	2.13839
0.13385	2.10684
0.13518	1.63486

## IA PLOT DATA Pb207/Pb2 RSD

0.13140	1.05784
0.13074	1.27734
0.13014	1.27555
0.13415	1.83377
0.13100	1.22901
0.13090	1.21467
0.13018	1.14457
0.13116	1.21988
0.13050	1.22605

0.12984	1.40173
0.13215	1.45289
0.13004	1.59182
0.13167	1.10883
0.08602	5.14997
0.13100	1.12214
0.11959	2.14065
0.06570	9.14764
0.11126	2.51663
0.12481	3.34108
0.12099	2.66964
0.13738	1.66691
0.14051	1.75788
0.13463	1.45584
0.13125	1.12000
0.13638	1.15120
0.13243	2.31821
0.13215	1.22588
0.12004	3.34888
0.13299	2.76713
0.09124	5.58965
0.12002	2.89952
0.13761	1.60599
0.13163	1.35987
0.13239	1.18589
0.12091	3.98644
0.11476	3.10213

0.11902 0.13167	2.03327 1.06326
0.10072	3.02820 1.88967
0.14962 0.11144 0.13077	1.20973
0.13977	2.05461

0.13073	1.21625	
0.13371	2.75222	
0.11437	1.77494	
0.12087	2.06834	
0.12148	1.94271	
0.12129	1.77261	
0.12223	1.91442	
0.12653	1.77823	
0.12350	1.95142	
0.10694	1.96372	
0.12629	2.28047	
0.11768	1.99694	
0.11516	1.91039	
0.11560	2.07612	
0.12089	1.67921	
0.12011	1.91491	
0.11878	2.12999	
0.11706	2.07586	
0.10449	2.28730	
0.12364	1.81171	
0.12561	1.72757	
0.12528	1.78001	

0.11181 0.10595 0.09541 0.10577 0.11118	1.18057 1.36857 2.27439 1.78690 1.15129
0.13033	1.20463
0.11459	1.81517
0.05456	6.46994
0.09830	1.25127
0.10205	1.89123
0.09949	1.98010
0.11789	1.74739
0.11454	1.96438
0.13169	2.02749
0.13369	1.10704
0.13054	1.17972
0.12874	1.11853
0.12885	1.20295
0.13026	1.24367
0.13464	1.15122