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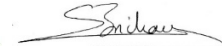





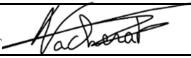
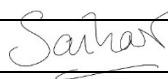

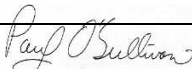
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1 **First timing constraints on the Ecuadorian Coastal Cordillera**

2 **exhumation: geodynamic implications**

3
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19 **ABSTRACT**

20
21 In this study, we provide the first detrital apatite (U-Th-Sm)/He (AHe) and zircon U-Pb ages
22 to establish a detailed short-term chronology of the burial and exhumation history, which
23 occurred in the Coastal Cordillera along the forearc domain of Ecuador. First, our results
24 allowed us to define a range of maximum deposition ages for the Angostura Formation from
25 9.6 ± 0.2 Ma to 11.5 ± 0.6 Ma, which records high enough temperatures to partially reset AHe
26 ages. QTQt thermal inverse modeling of the AHe dataset reveals three main periods of

27 exhumation along the Coastal Cordillera at ~2 Ma, ~5-6 Ma and ~8-10 Ma, independent of the
28 sample geographic locations. We discuss the origin of these periods of exhumation in relation
29 to the geodynamic frame. The oldest exhumation event, at ~8-10 Ma, evidenced locally along
30 fault systems, could be related to overriding plate kinematic changes or early arrival of
31 Carnegie Ridge. The intermediate exhumation period, at ~5-6 Ma, could be explained by a
32 later arrival of the Carnegie Ridge or to the subduction of an along-strike positive relief of the
33 ridge. Later, subduction of sea-floor asperities could be responsible for heterogeneous uplift
34 of the Coastal Cordillera during the Pleistocene (~2 Ma) that induced exhumation as
35 supported by our models. These results are corroborated by previous studies and demonstrate
36 that AHe data are sensitive enough to provide reliable constraints in sedimentary domains.

37

38 **KEYWORDS:** Ecuadorian Coastal Cordillera; Carnegie Ridge; Subduction; Forearc domain;
39 Exhumation; Zircon U-Pb dating; Apatite (U-Th-Sm)/He data; modeling

40

41 1. INTRODUCTION

42

43 Ongoing uplift and relief building on the overriding plate along active subduction
44 margins frequently depends on the stability of certain parameters such as slab pull, mantle
45 dynamics and absolute plate motion (Lallemand et al., 2005; Schellart et al., 2007; Cerpa and
46 Arcay, 2020), penetration and anchored of the slab into the lower mantle (Faccenna et al.,
47 2017), inherited structures of the upper plate margin (Audin et al., 2008), subduction of
48 seafloor reliefs (Zeumann and Hampel, 2016; Morell, 2016; Collot et al., 2017) and
49 subduction-erosion versus subduction-accretion behaviors (Clift and Vannucchi, 2004),
50 among others. These parameters are supposed to control the mechanical coupling between
51 plates as well as the relief generation related to forearc deformation (Noda, 2016). Building

52 topography and climate change, exert a feedback control on the sediment input into the
53 subduction channel (Horton, 2018; Saillard et al., 2017), which is thought to have a strong
54 impact on seismogenic zone behavior (Collot et al., 2011; Saffer and Tobin, 2011; Heuret et
55 al., 2012, Behr and Becker, 2018).

56 Since many processes can be responsible for the evolution of the subduction systems and the
57 stress accumulation at the plate interface, it is of prime importance to define the timing and
58 how relief generation occurs in the forearc domain to decipher which are the processes
59 involved in a specific area.

60 Along the South American Pacific margin, terrigenous sediment contribution is
61 controlled by the erosion of the Andean orogen, which induces a significant supply of
62 material to the forearc basin (Witt et al., 2017; Fig. 1). In the Ecuadorian forearc, the uplifting
63 of the Coastal Cordillera, which culminates at about 800 m above the sea level (Fig. 1), has
64 hindered the sediment pathways from the Andes, thereby enhancing sediment starvation in the
65 trench. Andean sourced sediments are currently rerouted by the northern Esmeraldas river
66 system (Collot et al., 2019), and by the southern Guayas river into the Gulf of Guayaquil
67 (Deniaud et al., 1999), crossing through the ends of the Coastal Cordillera (Fig. 1).
68 Consequently, at present-day, the resulting sedimentary fluxes supplied into the subduction
69 trench correspond with the modern river patterns draining the western slope of the Coastal
70 Cordillera. This morphotectonic effect implies a sediment starved-trench, which is expected
71 to modify the shear stress along the plate interface and to promote strong impacts on the
72 tectonic and seismogenic plate interface coupling (Cloos and Shreve, 1988; Ruff, 1989;
73 Heuret et al., 2012; Scholl et al., 2015).

74 The timing and amount of uplift throughout the Ecuadorian Coastal Cordillera, with
75 the exception of the specific littoral (Pedoja et al., 2006) and offshore (Michaud et al., 2015;
76 Proust et al., 2016; Collot et al., 2019; Hernández et al., 2020) areas, is poorly known (Reyes,

77 2013). Application of techniques based on chronometers and detrital thermochronometers,
78 usually provide quantitative constraints on relief generation and topographic growth. Here, we
79 provide the first detrital apatite (U-Th-Sm)/He and zircon U-Pb age data from the Coastal
80 Cordillera and adjacent forearc basins of Ecuador and discuss the potential processes, which
81 caused this rock cooling in the light of tectonic and the geodynamic frameworks.

82

83 **2. TECTONIC AND GEOMORPHIC SETTING OF THE COASTAL CORDILLERA**

84

85 **2.1 Geodynamic framework**

86 The Nazca plate subducts towards N83° (Nocquet et al., 2014) at a velocity of ~58
87 mm/yr (Trenkamp et al., 2002; Fig. 1) beneath the South American plate (SAP), leading to an
88 important seismic activity (Font et al., 2013; Fig 1). This oblique subduction, which involves
89 the Carnegie Ridge (a 2-km-high and 200-km-wide volcanic ridge) resulting from the
90 eastward motion of the Nazca plate over the Galapagos hotspot since ca 20 Ma (Sallarès et al.,
91 2003), is thought to control the northeastward motion of the North Andean Silver (Witt and
92 Bourgois, 2010), the subsequent opening of the Gulf of Guayaquil (Witt et al., 2006), and the
93 Ecuadorian forearc uplift (Pedoja et al., 2006; Fig.1). The timing of the ridge subduction
94 onset is highly debated ranging from 1 to 15 Ma (Lonsdale and Klitgord, 1978; Spikings et
95 al., 2001; Michaud et al., 2009; Collot et al., 2009; Schütte et al., 2010; Spikings and
96 Simpson, 2014; Michaud et al., 2018; Chiaradia et al., 2020). Several authors argue for an
97 initiation of the Carnegie Ridge-trench interaction as early as ~10-15 Ma. According to
98 Schütte et al. (2010), based on the spatio-temporal distributions of the Tertiary arc
99 magmatism ages, the eastward arc migration and arc broadening starting at ~10-12 Ma,
100 probably in response to the subduction of the Carnegie Ridge. Similarly, Spikings and
101 Simpson (2014), assume that the variation in cooling ages and exhumation depths support a

102 phase of high rates of rock uplift and exhumation around ~13–15 Ma in the Eastern Cordillera
103 of Ecuador (Spikings et al., 2001; Villagómez and Spikings, 2012). They attribute this vertical
104 displacement and exhumation to the collision and subduction of the Carnegie Ridge. For the
105 same period, Chiaradia et al. (2020) speculate that the subduction of the Carnegie Ridge could
106 have affected magmatism geochemistry as crustal thickness increase. However, for Collot et
107 al. (2009), morpho-tectonics evidences argue for the beginning of Carnegie Ridge subduction
108 at ~5 Ma. The structural segmentation of the offshore forearc domain during the early
109 Pliocene (~5.2 Ma) is tentatively associated with the arrival of the Carnegie Ridge into the
110 subduction zone and the creation of a mosaic of middle-late Pleistocene depocenters that
111 alternate with uplifted zones along the shelf that are proposed to record the subduction of the
112 topographically irregular Carnegie Ridge (Hernández et al., 2020). At the same time, incision
113 of the Esmeraldas canyon (Fig. 1) began to form in response to a boost of the forearc uplift
114 (~5.3 Ma ago) that is temporally correlated with the Carnegie Ridge subduction following by
115 two deep incisions providing evidences for uplift episodes in the mid-Pliocene and early
116 Pleistocene times (Collot et al., 2019).

117

118 **2.2 Morphostructural Segmentation**

119 The coastal forearc system of the Ecuadorian margin is organized into four
120 morphotectonic zones including: the western border of the Andes, the adjacent onshore
121 platform (currently the emerged ca. 170 km wide coastal region), the offshore platform (ca.
122 50 km wide), and the continental slope that has been partially modified by the Carnegie Ridge
123 subduction at the trench (Collot et al., 2009; Fig. 1). The onshore forearc shows three major
124 morphostructural domains: the piedmont basin (coastal plain) characterized by alluvial fan
125 development, the Coastal Cordillera, in front of the Carnegie Ridge (Fig. 1) bounding the
126 active western margin, and the Gulf of Guayaquil to the south. The northern part of the

127 coastal plain persists until the Colombian margin. Morphometric analysis along river profiles
128 suggest that the Coastal Cordillera is divided into five distinct structural blocks or domains
129 (Reyes et al., 2010; Reyes, 2013; Reyes et al., 2018).

130

131 **2.3 Stratigraphy of the fore-arc basins**

132 The Miocene sedimentary fill of the onshore coastal forearc is emplaced over pre-
133 existent sedimentary basins during the Cretaceous and the Paleogene filling cycles. The
134 Upper Cretaceous cycle is characterized by high-lithified volcanoclastics, turbidites (Cayo
135 Formation) and bedded chert sequences deposited over a thickened oceanic crust (basalts and
136 gabbros of the Piñon Formation) of middle-late Cretaceous age (Reynaud et al., 1999;
137 Luzieux et al., 2006; Vallejo et al., 2009). The Paleogene cycle comprises a basal siliciclastic
138 turbiditic sequence giving rise upsection to coarsening upward calcareous and pelitic siliceous
139 series with some volcanoclasts. The Miocene sediments have been dated by biostratigraphy
140 (Benítez, 1995; Deniaud, 2000; Ordóñez et al. 2006; Cantalamessa et al., 2007) and fill local
141 depressions separated by basement structural highs (Fig. 3). A ca. 2500 m thick pelitic and
142 diatomaceous stratigraphic succession is deposited in all the basins (stratigraphic level named
143 as Dos Bocas, Viche, Villingota Formations). This is overlain by the shallow marine 100-500
144 m thick sandy Angostura Formation (Bristow and Hoffstetter, 1977; Benitez, 1995), including
145 volcanoclastic coarse-grained turbidites indicative of a deeper marine environment (Reyes,
146 2013). The proposed age of the Angostura Formation ranges from ~9 Ma to ~15 Ma (Benítez,
147 1995; Deniaud, 2000; Ordóñez et al. 2006; Cantalamessa et al., 2007), but may be
148 diachronous. The transition to the overlying late Miocene Ónzole Formation is often
149 conformable and gradual (Deniaud, 2000), with locally, planar discontinuity (Cantalamessa et
150 al., 2007). The Ónzole Formation comprises 300 to 700 m of thick bluish grey siltstones, of
151 marine platform environment (Deniaud, 2000), passing upward with an unconformable and

152 erosional contact (Di Celma et al., 2010) to 100 to 400 m of shallow water marine coarse
153 sandstones, conglomerates and volcanoclastics of the Pliocene to Lower Pleistocene Borbón
154 Formation (Reyes, 2013; Fig. 3).

155

156 **2.4 Inversion of the fore-arc basins**

157

158 Regional stratigraphy provides a first constraint to estimate the amount of exhumation and
159 growth of the Coastal Cordillera (Fig. 2). Marine sediments of Mio-Pliocene age, deposited in
160 onshore forearc domain, dominate some of the highest areas (i.e. ~ 600 m) of the Coastal
161 Cordillera (Benítez, 1995; Deniaud, 2000) and reveal a late Neogene uplift (Evans and
162 Whittaker, 1982). The northern Borbón basin area (Esmeralda region) is exposed along
163 Mache-Chindul mountain range, which is separated from the central-south Manabí basin by
164 the EW-trending Canandé fault (Fig. 2). This southward dipping fault reveals, at first, a
165 normal displacement during the early-middle Miocene followed by a compressional activity
166 during the Pliocene, controlling the relative uplift of the Borbón basin (Hernández et al.,
167 2020). The 100 to 500 m thick massive turbidites of the Angostura Formation are preserved in
168 the two basins. The 300 to 700 m thick Ónzole and 100 to 400 m thick Borbón Formations
169 bury the Angostura Formation in this domain (Reyes, 2013). To the South, the eastward
170 dipping NE-SW-trending Jama fault system (Reyes, 2013; Reyes et al., 2018) bounds the
171 Jama massif (block) cored by oceanic plateau affinities Cretaceous rocks (pillow basalts,
172 dolerites and gabbro) of the Piñón Formation (Bristow and Hoffstetter, 1977) and surrounded
173 by the Angostura Formation (Fig. 2). Along this fault, a normal displacement during the
174 early-middle Miocene is followed by compression, underlined by an anticlinal during the
175 Pliocene (Hernández et al., 2020). In the central Manabí basin, the flat-topped Pichincha-
176 Portoviejo 400 m-high consists of sub-horizontally uplifted strata of the Borbón Formation.

177 The NNE-SSW trending sub-vertical Jipijapa fault, controls the Jipijapa massif (block, Fig.
178 2), which juxtaposes the Cretaceous rocks of the basement against the Miocene sediments of
179 the Dos Bocas Formation (Reyes et al., 2013). In the southern Manabi basin, the WNW-ESE
180 trending south-verging Chongón-Colonche fault raises the basement-cored Chongón-
181 Colonche massif (block) that separates the Manabí basin from the southern Progreso basin
182 (Fig. 2) (Reyes et al., 2013).

183

184 **2.5 Andes cooling events and sediment provenance in the fore-arc basins**

185 Detrital sediments and volcanoclastic material deposited in the forearc basin are largely
186 delivered from the Ecuadorian Andes (Deniaud, 2000). The collision-accretion history of the
187 Ecuadorian Andes initiated in the Lower Cretaceous with the accretion of tectono-
188 metamorphic terranes (Litherland et al., 1994) along the Eastern Cordillera and continued in
189 the Upper Cretaceous with the accretion of the oceanic terranes in the Western Cordillera
190 (Goossens, and Rose, 1973; Feininger and Bristow 1980; Lebrat et al. 1987; Reynaud et al.
191 1999; Kerr et al., 2002; Luzieux et al., 2006; Vallejo et al., 2009; Jaillard et al., 2004 and
192 2009). These accreted terranes recorded important magmatic (both granitoid and mafic) and
193 volcanic events from Triassic to Holocene times (Cochrane et al., 2014; Spikings et al., 2015).
194 The main recognized zircon U-Pb age peaks are ~234-207 Ma, ~182-141 Ma, and ~40-5 Ma
195 in the Northern part of Ecuadorian Andes (from 1°N to 3°S). In the southern part of the
196 Ecuadorian Andes, detrital zircon ages from the Cenozoic forearc basins in SW Ecuador
197 suggest that the Western Cordillera was already uplifted in the Paleocene (Witt et al., 2017).

198 Fission tracks analysis from this basement revealed two main periods of regional scale
199 cooling at ~13 and ~9 Ma (Spikings et al., 2005), close to the age of the Angostura Formation
200 sediments, followed by a rapid cooling and exhumation at ~5.5-0 Ma (Spikings et al., 2010).

201

202 **3. METHODOLOGY AND RESULTS**

203

204 **3.1 Method**

205 To constrain the timing of the Coastal Cordillera uplift, the strategy of sampling has
206 been defined according to geographic localizations along the coast, appropriate lithology to
207 maximize the probability to obtain apatite crystals and stratigraphic level buried enough to
208 record if not fully at least partially resetted apatite (U-Th-Sm)/He (AHe) thermochronometer.
209 Accordingly, the more adapted lithology in a sedimentary rock environment remains the
210 sandstones. Therefore, we attempted to collect 13 samples in the Angostura Formation all
211 along the Coastal Cordillera (Fig. 2, Table 1), based on facies criteria since the sandstone
212 Angostura Formation is framed by two formations more fine and clayey (below the pelitic
213 Dos Bocas Formation and above the Ónzole Formation described as a siltstone). Furthermore,
214 in order to avoid mistakes about the stratigraphic level in which samples have been collected,
215 we performed U-Pb dating on zircon to determine the youngest detrital age.

216 Apatite and zircon grains were separated using standard heavy liquid and magnetic
217 separation techniques between GeoAzur (Nice, France) and Geosciences Environnement
218 Toulouse (GET, France).

219 In most samples, over 100 grains of zircon were selected for in situ U-Pb dating using
220 LA-ICPMS at GeoSep Services (Moscow, Idaho, USA) and Geosciences Environnement
221 Toulouse (GET, France) following the procedure detailed by Prudhomme et al. (2019) and
222 Kahou et al. (2020). Analytical procedure and data are reported in supplementary section
223 under the Table A.1, and A.2 and Concordia plot diagram under the Figure A.1.

224 Apatite grains were carefully selected for AHe age dating, then each crystal was
225 measured and loaded in platinum (Pt) capsules for He, U, Th, and Sm measurements at
226 GEOPS laboratory (Orsay, France), following the procedure described by Fillon et al. (2013).
227 The alpha ejection factor (F_T) and sphere equivalent radius (R_s) were calculated for each

228 crystal using Qt_{F_T} software (Gautheron and Tassan-Got, 2010; Ketcham et al., 2011).
229 Between three to ten replicates per sample, depending of the availability of quality apatite
230 grains (inclusions and cracks free, avoiding broken grains, width over 60 μm), have been
231 carried out and the results are reported in Table 2.

232 To be able to interpret and extract the thermal history of our samples, we perform
233 inversion modeling of the AHe data set using the software QTQt (Gallagher, 2012). The
234 inverse modeling was performed using the kinetic models for helium diffusion in apatite
235 crystals from Gautheron et al. (2009) that takes into account the He production and diffusion
236 in damaged apatite structure. Radiation damage accumulation depends on production during
237 U-Th and Sm decay and annealing that is a function of the crystal size chemistry and
238 temperature. The apatite grain size (Rs), He, U, Th and Sm content for each crystal of the
239 sample were used for the inversion (Table 2). The inversion procedure uses a Bayesian
240 “Markov chain Monte Carlo” algorithm to determine the best time-temperature path
241 reproducing our data through a large number (200,000) of randomly tested solutions (see
242 Gallagher (2012) for detailed modeling procedure). In order to fully exploit the thermal
243 history information contained in partially annealed samples and therefore improve the
244 resolution on the modeling, QTQt is able to model the pre-depositional thermal history of the
245 apatite grains.

246 The models were performed for a parameter space (time t and temperature T) at $40 \pm$
247 40 Ma and 70 ± 70 °C (red box) and a constraint at surface temperature during sediment
248 deposition time were used (15 to 5 Ma or 15 to 9 Ma, small black box). This large time box
249 before sediment deposition time allows the model to explore pre-depositional history and was
250 fixed to allow Cenozoic history. For one sample (13ECC04), where the modeling did not
251 converge correctly, we added a constraint at 70 ± 10 Ma, 60 ± 60 °C (long before the
252 deposition time and older than the oldest AHe age) to take into account all possible scenarios

253 before deposit. Samples 13ECC12A and 12B were modeled together as they are considered to
254 be a single sedimentary unit because of their close geographical location. The final model is
255 represented by a set of time-temperature histories for which we included the expected model
256 (weighted mean model, black line) and the maximum likelihood model (best data fitting
257 model, orange line). In addition, the predicted AHe ages for the expected model and the
258 maximum likelihood models obtained by QTQt are reported as a function of the observed
259 (measured) AHe ages.

260

261 **3.2 Results**

262 **3.2.1 Zircon U-Pb dating**

263 Since the purpose of zircon U-Pb dating was to constrain maximum depositional ages,
264 the number of analyses per sample is less critical than for a detailed provenance study.
265 However, we attempted to date over 100 grains to fit the recommendation of Vermeesch
266 (2004). Only in samples 12ECC05 and 18BCB02, the number of analyses is below 100 (at 29
267 and 95, respectively), due to the small amount of zircon available.

268 It is usual to filter the data set to apply a 10 to 20 % discordance cutoff with the aim of
269 avoiding data related to Pb loss processes. Yet, in the case of young ages (e.g. <100 Ma), this
270 discordant filter is not valid due to the difficulty of determining a reliable $^{206}\text{Pb}/^{207}\text{Pb}$ or
271 $^{207}\text{Pb}/^{235}\text{Pb}$ ratios (Gehrels, 2012). In our study, we collected samples in a Miocene
272 stratigraphic level, implying that the ages obtained are mostly young and therefore
273 discordancy filter is not applicable since most of the ages are highly discordance for ages
274 below 50 Ma (as shown in Table A.1 and Fig. A.1).

275 In all samples, the main age populations are Cenozoic and Cretaceous with a small
276 Precambrian contribution and sometimes, a slight additional input from Paleozoic to Triassic
277 sources (Table A.2).

278 To represent the data set for each sample and to be able to compare the youngest peak
279 ages, we have represented the results under an age-distribution diagram that includes the error
280 of each analysis (Gehrels, 2012). We choose, for better visibility of the youngest age peaks, to
281 show only the results for ages younger than 40 Ma. To define the youngest detrital zircon
282 (YDZ) age, several methods have been defined over the last decade. According to Dickinson
283 and Gehrels (2009) and Coutts et al. (2019), the best way to determine the YDZ age is to
284 calculate the weighted mean age of the youngest cluster of three or more grain ages
285 overlapping in age at 2σ uncertainty. However, for Spencer et al. (2016) and Copeland
286 (2020), the weighted mean can only be used if the zircons are from a single population, such
287 as volcanic eruption or rapidly emplaced pluton. Therefore, Spencer et al. (2016) recommend
288 practicing multiple analyses on the youngest zircon grain to assure the validity of the analysis,
289 to check the lack of correlation between U and Th content versus age to rule out potential Pb-
290 loss, and to add chemical or isotopic data such as Hf to ensure that the weighted mean has
291 been defined on a single forming-zircon event. For Copeland (2020), the best estimate will be
292 to use the youngest single concordant grain and not an averaging of data. We did not perform
293 additional analyses to ensure the single population origin of our zircons since the purpose of
294 these analyses is only to verify if our samples have been collected in the correct formation
295 (Angostura). However, no correlation between U or Th and ages has been observed (Table
296 A.2) and we followed the recommendation of Copeland (2020) and reported in table 3 the
297 YDZ and the youngest concordant (discordancy below 15%) single grain (YCSG) ages. All
298 results are similar within errors, except for sample 18BCB02 which presents low U content
299 and almost no concordant ages (only two data are below 15% of discordancy, see Table A.2).
300 Since the purpose of these analyses is only to verify if our samples have been collected in the
301 correct formation (Angostura with youngest depositional age estimated at ~9 Ma) and owing
302 to the fact that YDZ and YCSG ages are similar within errors and the ages are young with

303 low U content, it seems more appropriate here to use the YDZ ages which have been
304 obtained, as the age-distribution diagrams, using the routine available from
305 www.geo.arizona.edu/alc (Table 3 and Fig. 4).

306 Two samples, 12ECC05 and 12ECC07, show clearly younger peak ages than expected
307 for Angostura Formation (YDZ ages at 7.0 ± 0.3 Ma and 7.1 ± 0.2 Ma, respectively),
308 indicating that they belong to the Ónzole Formation, from its lowest level. The YDZ age for
309 sample 18BCB02 seems to be slightly older than 12ECC05 and 07, at 7.7 ± 0.1 Ma, and
310 maybe close to the limit between Angostura and Ónzole Formation. For all the other samples,
311 the YDZ range from 9.6 ± 0.2 Ma to 11.5 ± 0.5 Ma corresponding to the range of the
312 depositional ages of the Angostura Formation (Benítez, 1995; Deniaud, 2000; Ordóñez et al.
313 2006; Cantalamessa et al., 2007). The diagrams of relative age probability between actual and
314 40 Ma (Fig. 4) display, for most of the samples, a well defined young peak age corresponding
315 to the YDZ ages of the Angostura (for samples 13ECC12A, 12B, 07, 08, 34, and 16MCC06)
316 and Ónzole Formations (12ECC05, 07 and 18BCB02). For samples 13ECC04, 06, 11 and
317 16MCC03, we can note that the age distributions reveal a different pattern without a well-
318 defined young peak age and even a more smoothed distribution (especially for samples
319 13ECC04 and 06; Fig. 4). This feature could be related to the fact that all these sandstones
320 have been collected nearby faults (Jama, Tanigüe, Jipijapa/Cascol faults), which could locally
321 disturb the sediment supply and distribution. Indeed, it has been demonstrated that fault
322 activities can lead to the formation of structurally-controlled depocentres, a heterogeneous
323 pattern of accommodation space and sediment thickness (Brandes et al., 2007; Serck and
324 Braathen, 2018). Furthermore, synsedimentary faulting can as well disturb the sediment
325 gravity flow dynamics implying variation of the erosion behavior on short distances (less than
326 500 m; Pochat and Van Den Driessche, 2007). In the Coastal Cordillera of Ecuador, little is

327 known about the fault activity and motion range. Therefore, to define the real impact of these
328 faults on the sediment dynamics, a more detailed field study would be necessary.

329

330 **3.2.2 Apatite (U-Th-Sm)/He dating**

331 All samples display AHe ages ranging from 1.4 ± 0.1 to 53.9 ± 4.3 Ma, and most of
332 them are younger than the YDZ defined by U-Pb dating or even younger than the youngest
333 depositional ages defined by biostratigraphy (Table 2, 3 and Fig. 5) for the Angostura
334 Formation at 9.1 Ma by Cantalamessa et al. (2007). Our samples have been collected all along
335 the Coastal Cordillera, over a distance of 300 km. Each sample displays AHe ages younger
336 than the depositional age indicate that they have been at least partially reset. This general
337 pattern of partial reset over such a distance is reasonably explained by post-deposition burial,
338 reaching the partial retention zone (PRZ), which range from 40 to 120°C, depending on each
339 apatite diffusion coefficient and apatite crystal size (Shuster et al., 2006; Flowers et al., 2009;
340 Gautheron et al., 2009; Shuster & Farley, 2009; Brown et al., 2013; Ault et al., 2019). In
341 addition, some apatite crystals present higher AHe ages than the depositional age for low
342 effective Uranium content ($eU = U + 0.243Th + 0.0046Sm$) (Fig. 5). Those older AHe ages
343 with low eU content reflect the impact of alpha implantation by neighboring minerals
344 (Spiegel et al., 2009; Gautheron et al., 2012; Murray et al., 2014), especially when eU values
345 are below 20 ppm and ages over 10 Ma, following the exact pattern of the implantation model
346 prediction defined by Murray et al. (2014). In addition, the presence of defects or inclusions
347 (fluid or solid) (Recanati et al., 2017; Zeitler et al., 2017; McDannell et al., 2018) and the
348 chemical composition of apatite (Gautheron et al. 2013) could impact the AHe system. The
349 impact of radiation damage levels, approximated by the eU content of each dated grains
350 (Gautheron et al., 2009; Flowers et al., 2009), and the cumulative time span of the sample at a
351 very low temperature above the PRZ (see Ault et al., 2019 for a review) could play a

352 significant role if the sediments are not reset at enough temperature (>80-100°C). However,
353 most of our data show only a slight apparent AHe age vs eU (or Th/U) correlation or AHe age
354 vs apatite size (Rs) and all the older AHe ages obtained seem to reflect alpha-implantation
355 impact (as identified in Fig. 5, A.2 and A.3).

356

357 **3.2.3 Modeling**

358 Obtained thermal histories and observed versus predicted AHe ages are reported in
359 Figure 6 and replaced along the topographic map of the Ecuadorian Coastal Cordillera.
360 Modeling used only AHe data that are not affected by alpha-implantation (>10-12 Ma).
361 Depositional constraints have been set up, taking into account our YDZ ages defined by U-Pb
362 dating. However, since the YDZ age could be older than the known stratigraphic position
363 (Copeland, 2020) we decided to use the youngest deposition age defined by biostratigraphy
364 (Benítez, 1995; Deniaud, 2000; Ordóñez et al. 2006; Cantalamessa et al., 2007).
365 Consequently, for samples 12ECC05, 12ECC07 and 18BCB02 the deposition period has been
366 estimated between 5-15 Ma, since the limit between the Angostura and Ónzole formations
367 remains unclear. For all the other samples, this constrain have been approximated at 9-15 Ma.

368 All the obtained thermal histories present consistent results, with predicted ages
369 (expected or maximum likelihood) in agreement with observed ages within error bars (Fig. 6).
370 The thermal histories of all samples record a post-depositional heating phase, before a final
371 cooling phase allowing the sample to crop out at the surface at the present time. Because all
372 the samples were reset or partially reset during this burial event, the pre-depositional histories
373 have been erased and thus the probability appears low and therefore, without real
374 signification. No specific spatial trends related to geographic positions of the samples (N-S or
375 E-W) is observed. The main differences between samples are the maximum heating
376 temperature that ranges from ~50 to ~80°C and the starting time for the last cooling phase.

377 Samples 12ECC05 and 12ECC07 display an exhumation path not very well constrained since
378 their depositional ages is close to the exhumation timing. Samples 13ECC07 and 16MCC06
379 show similar young exhumation histories at ~2 Ma for a max burial at ~50°C quite well
380 defined by a focused high relative probability of fit (red colored pixels in the model, Fig. 6).
381 Samples 18BCB02, 13ECC08, 13ECC12A+B and 16MCC03 recorded similar exhumation
382 timing around 5-6 Ma with burial reaching between ~60 and 80°C, relatively well
383 constrained. Samples 13ECC04, 13ECC06, 13ECC11 and 13ECC34 indicate an exhumation
384 at about 8-10 Ma with a burial around ~70-80 °C. The constraints on the model is acceptable
385 except for 13ECC04 where the dataset is almost impossible to converge toward a model
386 solution. The range of burial temperature obtained with the modeling is reasonable since the
387 depth of the Angostura formation can locally reach 2000 m (Fig. 3) and maybe even deeper in
388 the fault vicinities (Brandes et al., 2007; Serck and Braathen, 2018). Furthermore, the actual
389 geothermal gradient in Ecuador is estimated at >35 °C/km (Vieira and Hamza, 2019) and was
390 probably high as well during Neogene, implying a maximum burial of 2000-2500 m
391 according to our modeling results. The estimation of burial depths remains a rough
392 approximation because little is known about the fault magnitude of movement and
393 consequences on the sediment dynamics or the real geothermal gradient during Neogene.

394

395 **4. DISCUSSION**

396

397 **4.1. Stratigraphic age and provenance**

398 One of the keys of this study was to collect samples from the same stratigraphic level
399 to be able to compare the results from a geographic perspective and exhumation pattern, in the
400 aim to compare with the timing of the subduction of the Carnegie Ridge.

401 Zircon U-Pb dating has been carried out to confirm that samples were collected from
402 Angostura Formation. The YDZ ages show clearly that most of them are from this formation,
403 with ages ranging from 9.6 ± 0.2 Ma to 11.5 ± 0.6 Ma (Table 3), in agreement with previously
404 published biostratigraphic ages (Benítez, 1995; Deniaud, 2000; Ordóñez et al. 2006;
405 Cantalamessa et al., 2007). The variation observed in the age-distribution diagram probably
406 reflects the heterogeneities of the Angostura Formation in relation to structural discontinuities
407 related to fault systems present in the studied area. In particular, the Jama Fault may control
408 the spatial distribution of sediments (Reyes, 2013), which could explain the different age-
409 distribution patterns of samples 13ECC04 and 13ECC06. Similarly, for samples 13ECC07
410 and 16MCC03, the proximity of secondary faults (Fig. 2) could be responsible for their
411 slightly different age-distribution profiles.

412 Three samples (12ECC05, 12ECC07, 18BCB02) display younger ages and could be
413 attributed to the Ónzole Formation. However, the gradual transition between Angostura and
414 Ónzole formations (Deniaud, 2000; Reyes, 2013) does not permit to be certain that those
415 samples belong to one or the other formations. For this reason, the stratigraphic constraint
416 introduced into QTQt was set up at 5-15 Ma, for the three samples mentioned above and at 9-
417 10 Ma for all the other samples, to leave a maximum latitude to the software to reach a
418 solution (Fig. 6). In the case of sample 18BCB12, in order to make the data set converge to
419 find a solution, the modeling imposes a deposition age closer to ~ 10 Ma, whereas for
420 12ECC05 and 12ECC07 the deposition age would be closer to $\sim 5-6$ Ma (Fig. 6). Therefore,
421 sample 18BCB02 is probably from the Angostura Formation, near or in the transition to the
422 Ónzole Formation, while 12ECC05 and 12ECC07 are likely to belong to the Ónzole
423 Formation and have not been reset.

424

425 **4.2. Exhumation timing and implications**

426 The modeling results display three different timing of exhumation at ~2 Ma, ~5-6 Ma
427 and ~8-10 Ma for a burial which could reach a maximum temperature of ~80°C, without a
428 specific pattern related to the geographic position of the sample along the coast. The question
429 is how to interpret this result in the context of the Ecuadorian Coastal Cordillera.

430 The first stage of exhumation is recorded at ~8-10 Ma for three samples (13ECC06;
431 13ECC11, 13ECC34), all located close to fault systems (Fig. 2; Jama, Tanigüe and
432 Jipijapa/Cascol faults respectively). Most of the previous studies investigating rock
433 exhumation have been focused along the Andes (Witt et al., 2017, 2019), where widespread
434 cooling episodes has been reported for the last 25 Ma (Spikings and Crowhurst, 2004). One of
435 these events have been estimated between 15 and 9 Ma, using fission track analysis (Spikings
436 et al., 2001; Spikings and Crowhurst, 2004; Spikings et al., 2010; Spikings, and Simpson,
437 2014) and attributed to the collision of the Carnegie Ridge against the Ecuadorian margin
438 (Spikings et al., 2001; 2010). This could be an explanation, although all the samples
439 indicating an exhumation time at ~8-10 Ma are located in a fault vicinity while those
440 recording younger events are spread out all along the Coastal Cordillera. Therefore, this ~8-
441 10 Ma exhumation period could be the result of a tectonically controlled burial and
442 exhumation pattern locally enhanced by faults systems.

443 The second and third exhumation periods are defined at ~5-6 Ma and ~2 Ma,
444 respectively. Spikings and Crowhurst (2004) have identified, using apatite (U-Th-Sm)/He
445 thermal history models, similar cooling events at ~5.5-3.5 Ma and ~3.3-2.8 Ma in the
446 Cordillera Real of Ecuador (Fig. 1). Furthermore, an unconformity has been identified at
447 about ~5 Ma underlying the base of the Borbón Formation (Deniaud, 2000; Di Celma et al.,
448 2010) which has been considered as the Upper Ónzole Formation into the Borbón basin by
449 Reyes (2013). This represents a regional episode of hiatus or erosion in the Coastal Cordillera
450 (Deniaud, 2000). Low angular unconformities are described by Reyes (2013) in the Borbón

451 Formation and are interpreted as tectonic activity related to the Coastal Cordillera uplift.
452 Since that time, the paleo-bathymetry of the Borbón Formation has remained between
453 intertidal and neritic environments, revealing a shallowing of the seafloor, significant
454 sediment failure and mass-wasting, which occurred in response to the margin tilting (Di
455 Celma et al., 2010) and probably to the beginning of the Coastal Cordillera uplift.

456 The geodynamic environment of the Borbón Formation is consistent with the
457 exhumation timing revealed by our results, considering that this regional unconformity
458 described along the onshore forearc basins is also revealed along the offshore forearc domain
459 (Hernández et al., 2014; Hernández et al., 2020). Additionally, into the Esmeraldas submarine
460 canyon area (Fig. 1 and 2), Collot et al. (2019) evidences the development of the canyon by
461 several incision pulses, one of which is dated around ~5-6 Ma and correlated to an important
462 uplifting episode of at least 1 km, along the offshore forearc domain. Another is estimated to
463 take place during Pleistocene and is attributed to regional tectonic events.

464

465 **4.3. Geodynamic control of the Coastal Cordillera exhumation**

466 Convergence rate and obliquity of the Nazca plate motion relative to South America
467 plate during the last 25 Ma (Somoza and Ghidella, 2012) is characterized by ENE directed
468 convergence for a rate decreasing continuously from values at ~15 cm/yr during the Cenozoic
469 to present-day values around ~6-7 cm/yr. This sub-continuous decrease of the convergence
470 rates is not obviously correlated to discontinuous exhumation events inferring from our data
471 in the forearc domain. Cerpa and Arcay (2020) propose that, above a stagnating Nazca plate,
472 the slow-down of the absolute westward motion of the South-American continent in the last
473 25 Ma (Somoza and Ghidella, 2012) might contribute to the upward displacement of the
474 forearc area while the arc region subsides. This corresponds to the actual morphology of the
475 forearc and arc regions in Ecuador with the formation of the Coastal Cordillera while the arc

476 is located in the Interandine Depression. Therefore, it is possible to consider a global
477 kinematic cause for the forearc rise. It could be initiated ~25 Ma ago when the convergence
478 rate starts to decrease and recorded as an exhumation period at ~8-10 Ma in the forearc
479 region, since the time response to adjust kinematic changes of subduction could take between
480 10 to 35 Ma depending of the convergence rate variation (Cerpa et al., 2018). However, if a
481 global uplift of most of the coast along the South America margin is observed, the uplift rate
482 is enhanced where aseismic ridge is subducted (Martinod et al., 2016). In Ecuador, the
483 subduction of the Carnegie Ridge is then a possible booster for the upward displacement of
484 the forearc domain.

485 Debate persists regarding the geodynamic influence of subducting aseismic ridges on
486 the relief building along forearc domain. Henry et al. (2014), propose that the large-scale
487 geodynamic setting of subduction zones is of secondary importance to the uplift of the coastal
488 margin. Instead, the first order parameter is represented by the small-scale heterogeneities of
489 the subducting plate, as for instance, the subduction of aseismic ridges. Clift and Ruiz (2007)
490 suggest that temporary uplift due to arc-ridge collisions does not extend far landward from the
491 trench. In contrast, Espurt et al. (2007; 2010) and Gautheron et al. (2013b) illustrate its
492 influence until the Amazonian foreland basin. Morell (2016) shows the influence of the Cocos
493 ridge subduction (Costa Rica), from the trench inner wall to the volcanic arc.

494 In Ecuador, the subduction age for the Carnegie Ridge is controversial (Michaud et al., 2009)
495 and the morphology of the ridge subducted part is unknown and could have been much
496 different of what is currently observed. On the Nazca plate, the Carnegie Ridge exhibits in its
497 midst a topographic low (saddle) at 2400-m depth (Michaud et al., 2018), meanwhile the
498 segment which is close to the trench is at 700 m depth. Indeed, substantial along-strike relief
499 differences along the volcanic aseismic ridges are currently observed and when they enter into
500 subduction, they could produce different magnitudes of deformation in the forearc.

501 Consequently, we cannot rule out a scenario of an early arrival of the Carnegie Ridge, with a
502 smoother ancient ridge segment subducting at ~10-12 Ma, without causing dramatic
503 deformation in the forearc region, only activating some pre-existing structures (faults),
504 implying an exhumation at ~8-10 Ma. In this hypothesis, this segment, still buoyant enough,
505 would have influenced the slab dip angle as inferred from the arc eastward migration and
506 broadening at ~10-12 Ma (Schütte et al., 2010).

507 On the other hand, a reappraisal of Collot et al. (2009) model's about the initiation of
508 the Carnegie Ridge subduction using the plate convergence kinematic model of Nocquet et al.
509 (2014), suggests that the Carnegie Ridge entered in subduction ~5-6 Ma ago (Collot et al.,
510 2019). In this model, the northern flank of the Carnegie Ridge remains oblique in relation to
511 the trench direction. Assuming that the obliquity of the flank extends down to the slab, it
512 would imply that since ~5-6 Ma the Carnegie Ridge flank migrated southward along the
513 trench. The model of Collot et al. (2009) is compatible with both the location of the Carnegie
514 Ridge under the entire present-day Coastal Cordillera, and the exhumation timing obtained in
515 this work at ~5-6 Ma. After the initiation at ~5-6 Ma, subduction of sea-floor relief roughness
516 or thickened oceanic crust might have been responsible for heterogeneous uplift of the
517 Coastal Cordillera, as shown by our modeling with a Pleistocene exhumation event.

518 Consequently, the intermediate exhumation period, at ~5-6 Ma, could be related to the
519 Carnegie Ridge arrival into the trench or alternatively to the subduction of an along-strike
520 positive relief of the ridge. In the hypothesis of a ~5-6 Ma Carnegie Ridge arrival, subduction
521 erosion could explain the significant eastward migration of the volcanic arc region as
522 proposed by Schütte et al. (2010). Furthermore, kinematic changes could also support the
523 dynamics of the volcanics arc (Schütte et al., 2010).

524 Finally, the difficulty of identifying a geographic pattern for the different periods of
525 exhumation along the Coastal Cordillera is probably related to the fact that this area is

526 segmented by faults systems, deformed by folds, and still unstable. As a result, little is known
527 about the sediment thickness and its variations along the coast, or thermal status of the crust
528 during the Neogene, limiting the interpretation of our thermochronological data set.
529 Moreover, the unknown geometry of the subducted part of Carnegie Ridge as the
530 uncertainties about the age of the beginning of its subduction, are as many limitations to
531 studies reconstructing ridge-trench interactions by considering major deformation episodes in
532 the forearc domain.

533

534 5. CONCLUSIONS

535

536 New geochronology data (zircon U-Pb dating) allow us to define a range of maximum
537 deposition ages for the Angostura Formation from 9.6 ± 0.2 Ma to 11.5 ± 0.6 Ma and to
538 suggest that fault systems in the area may disturb the spatial distribution of sediments. The
539 QTQt modeling of our AHe dataset display three different timings of exhumation along the
540 Coastal Cordillera, independent of the sample geographic locations.

541 The oldest event, at $\sim 8-10$ Ma, evidenced locally along fault systems, can be
542 interpreted either in relation to regional overriding plate kinematic changes (slowdown of
543 absolute motion in the last ~ 25 Ma) or in response to smooth segment early arrival of the
544 Carnegie Ridge into the subduction.

545 An exhumation event at $\sim 5-6$ Ma has been identified and can be interpreted either as
546 the initiation timing of the Carnegie Ridge subduction or the subduction of an along-strike
547 positive relief of the ridge. Similarly, subduction of sea-floor relief roughness or thickened
548 oceanic crust could be responsible for heterogeneous uplift of the Coastal Cordillera during
549 the Pleistocene (~ 2 Ma) inducing exhumation as recognized in our modeling. The absence of
550 geographic pattern of exhumation along the studied area could be explained by variation of

551 sediment thickness and thermal status of the crust along the coast, especially since the area is
552 highly segmented by fault systems, deformed by folds and still highly unstable. However,
553 estimating the magnitude of the exhumation remains speculative since little is known about
554 the fault kinematics or the geothermal gradient during the Neogene.

555 Finally, our interpretations are corroborated by previous published studies and
556 demonstrate that the sensitivity of the apatite (U-Th-Sm)/He thermochronometer can provide
557 further constraints on the exhumation pattern in sedimentary domains.

558

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574 constructive reviews.

575 **FIGURE CAPTIONS**

576

577 Figure 1: Elevation map of the Carnegie Ridge–Ecuador margin collision area (from Michaud
578 et al., 2006; size of the grid cell = 150 m). Offshore, the 2500 m isobath in black demarcates
579 the Carnegie Ridge. Inland, the isocontour in black demarcates the topography up to 200 m,
580 and the isocontour in red demarcates the topography up to 400 m. Stars are locations of great
581 subduction earthquake epicenters (from Nocquet et al., 2016).

582 In the left corner: Geodynamic framework where the Nazca plate motion related to South
583 American continent is from Trenkamp et al. (2002), the dotted black lines represent North
584 Andean Silver boundary, and the black rectangle indicates the studied area.

585

586 Figure 2: Simplified geologic map (location on Fig.1) from Reyes et Michaud (2012) of the
587 Ecuadorian Coastal Cordillera domain with location of the samples (back stars) dated in this
588 study.

589

590 Figure 3: Simplified litho-stratigraphic log of the Ecuadorian Coastal Cordillera (from Reyes,
591 2013)

592

593 Figure 4: Normalized U-Pb zircon age-distribution (relative age probability) diagram for the
594 entire dated sample between 0-40 Ma, ordered from north to south position. Diagram made
595 from routine available at www.geo.arizona.edu/alc and described in Gehrels, 2012.

596

597 Figure 5: A) Apatite He ages versus effective Uranium (eU) content diagram showing a
598 probable alpha implantation phenomenon for apatite crystals with young ages and low eU
599 content (coloured squares). B) Similar feature observed in an apatite He ages versus Th/U

600 ratio diagram. Each samples is identified by a different colour code. YDA stands for
601 Youngest Detrital Age for Angostura Formation (large dashed line) and Ónzole Formation
602 (narrow dashed line) estimated by biostratigraphy (Benítez, 1995; Deniaud, 2000; Ordóñez et
603 al. 2006; Cantalamessa et al., 2007).

604
605 Figure 6: QTQt thermal histories and observed vs predicted AHe ages, for each dated sample
606 replaced on the topographic map of the Coastal Cordillera of Ecuador (Faults and sample
607 locations are indicated, the red stars are for samples with depositional age between 9-15 Ma
608 while the orange stars are for deposition ages set up between 5-15 Ma). The expected model
609 (black line) represents the mean of each thermal histories that is used to calculate the
610 predicted age (black triangles). In addition, the colour scale presents the relative probability of
611 each thermal history, from deep blue (low probability) to red (high probability). The
612 maximum likelihood probability (orange line) of thermal history contains green to red colours
613 and the maximum likelihood predicted ages are also reported in the predicted-observed
614 inserted diagram (orange bars). For each model, the exhumation timing and the maximum
615 burial temperature are indicated under a similar colour code for each distinct period of
616 exhumation.

617

618 Table 1.: Sample information

619

620 Table 2.: Apatite (U-Th-Sm)/He data

621

622 Table 3.: Estimations of the youngest detrital zircon ages

623

624 **APPENDIX**

625 Figure A.1: U-Pb data in Wetherill Concordia diagrams with insert showing the youngest
626 zircon results.

627

628 Figure A.2: Apatite He ages versus effective Uranium (eU) content diagrams for every
629 individual sample showing a probable alpha implantation phenomenon for apatite crystals
630 with young ages and low eU content (coloured squares). YDA stands for Youngest Detrital
631 Age for Angostura Formation (large dashed line) and Ónzole Formation (narrow dashed line)
632 estimated by biostratigraphy (Benítez, 1995; Deniaud, 2000; Ordóñez et al. 2006;
633 Cantalamessa et al., 2007). Each samples is identified by a different colour code identical in
634 figures 5 and A.3.

635

636 Figure A.3: Apatite He ages versus Th/U ratio diagrams for every individual sample showing
637 a probable alpha implantation phenomenon for apatite crystals with young ages and low Th/U
638 ratio (coloured squares). YDA stands for Youngest Detrital Age for Angostura Formation
639 (large dashed line) and Ónzole Formation (narrow dashed line) estimated by biostratigraphy
640 (Benítez, 1995; Deniaud, 2000; Ordóñez et al. 2006; Cantalamessa et al., 2007). Each samples
641 is identified by a different colour code identical in figures 5 and A.2.

642

643 Table A.1: Zircon U-Pb dating operating conditions for LA-ICP-MS analyses

644

645 Table A.2: Zircon U-Pb data

646

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APPENDIX Table A.2. Zircon U-Pb data

Analysis Number	[U] ppm	[Th] ppm	Th/U	Ratios					Ages									% discor.	Best Ages (Ma)	($\pm 2\sigma$)	
				207Pb/ 235U	($\pm 2s$)	206Pb/ 238U	($\pm 2s$)	207Pb/ 206Pb	($\pm 2s$)	207Pb/ 235U	(+2s)	(-2s)	206Pb/ 238U	(+2s)	(-2s)	207Pb/2 06Pb	(+2s)				(-2s)
12ECC05 (n=29)																					
2121AZ1_1	106	44	0.4	0.0146	0.0256	0.0008	0.0003	0.1368	0.2457	14.0	24.7	24.4	5.0	1.8	1.8	2187.2	4374.4	2114.7	65	5.2	2.3
2121AZ1_2	58	23	0.4	0.0152	0.0280	0.0008	0.0004	0.1376	0.2603	14.1	26.0	25.7	5.2	2.3	2.3	2197.7	4395.5	2190.7	63	5.5	2.2
2121AZ1_5	65	23	0.4	0.0282	0.0437	0.0009	0.0003	0.2374	0.3803	28.6	44.3	43.3	5.5	2.2	2.2	3102.6	6080.1	1812.5	81	6.2	1.9
2121AZ1_9	83	35	0.4	0.0165	0.0265	0.0010	0.0003	0.1240	0.2029	16.7	26.9	26.5	6.2	1.9	1.9	2013.9	4027.8	2011.6	63	6.2	0.8
2121AZ1_13	302	202	0.7	0.0092	0.0080	0.0010	0.0001	0.0687	0.0607	9.1	7.9	7.9	6.2	0.8	0.8	889.8	1779.6	1433.6	31	6.7	1.5
2121AZ1_32	132	38	0.3	0.0124	0.0189	0.0010	0.0002	0.0868	0.1340	12.2	18.7	18.5	6.7	1.5	1.5	1356.9	2713.8	2064.7	45	6.7	1.5
2121AZ1_3	130	43	0.3	0.0143	0.0171	0.0010	0.0002	0.1003	0.1217	13.9	16.6	16.5	6.7	1.5	1.5	1629.1	3258.2	1676.2	52	6.7	0.9
2121AZ1_26	264	104	0.4	0.0094	0.0081	0.0010	0.0001	0.0659	0.0573	9.5	8.2	8.2	6.7	0.9	0.9	802.2	1604.5	1433.5	29	6.8	1.9
2121AZ1_23	91	36	0.4	0.0185	0.0277	0.0011	0.0003	0.1274	0.1937	17.8	26.5	26.2	6.8	1.9	1.9	2062.0	4123.9	1898.6	62	7.0	2.6
2121AZ1_27	104	40	0.4	0.0148	0.0239	0.0011	0.0004	0.0988	0.1640	14.8	24.0	23.7	7.0	2.6	2.6	1601.4	3202.7	2117.4	53	7.1	1.4
2121AZ1_10	138	71	0.5	0.0163	0.0202	0.0011	0.0002	0.1069	0.1338	16.6	20.5	20.3	7.1	1.4	1.4	1747.8	3495.6	1694.0	57	7.2	1.9
2121AZ1_16	113	60	0.5	0.0179	0.0199	0.0011	0.0003	0.1157	0.1327	17.9	19.9	19.8	7.2	1.9	1.9	1891.1	3450.9	1561.3	60	7.5	0.6
2121AZ1_21	503	306	0.6	0.0083	0.0060	0.0012	0.0001	0.0513	0.0375	8.2	5.9	5.9	7.5	0.6	0.6	256.5	513.0	1350.8	8	7.6	1.1
2121AZ1_11	253	218	0.9	0.0126	0.0131	0.0012	0.0002	0.0774	0.0811	11.8	12.2	12.1	7.6	1.1	1.1	1130.9	2261.9	1587.9	35	7.7	2.9
2121AZ1_4	45	19	0.4	0.0298	0.0444	0.0012	0.0004	0.1815	0.2787	27.5	40.9	40.1	7.7	2.9	2.9	2666.2	5332.3	1815.1	72	7.8	2.2
2121AZ1_30	69	37	0.5	0.0265	0.0412	0.0012	0.0003	0.1591	0.2517	24.3	37.8	37.1	7.8	2.2	2.2	2446.4	4892.7	1887.9	68	8.1	2.4
2121AZ1_14	87	33	0.4	0.0195	0.0294	0.0013	0.0004	0.1126	0.1730	19.3	29.1	28.7	8.1	2.4	2.4	1841.5	3683.1	1954.4	58	8.3	1.5
2121AZ1_18	207	118	0.6	0.0110	0.0130	0.0013	0.0002	0.0617	0.0736	10.6	12.6	12.5	8.3	1.5	1.5	662.4	1324.7	1865.3	22	8.4	1.2
2121AZ1_17	215	165	0.8	0.0137	0.0125	0.0013	0.0002	0.0759	0.0703	14.1	12.9	12.8	8.4	1.2	1.2	1093.3	2186.6	1448.1	40	8.6	1.2
2121AZ1_15	178	54	0.3	0.0147	0.0125	0.0013	0.0002	0.0795	0.0685	14.8	12.5	12.4	8.6	1.2	1.2	1185.7	2371.4	1349.6	41	9.0	2.2
2121AZ1_24	85	34	0.4	0.0230	0.0342	0.0014	0.0003	0.1191	0.1788	22.0	32.6	32.1	9.0	2.2	2.2	1943.1	3886.3	1902.3	59	9.4	1.8
2121AZ1_12	136	76	0.6	0.0156	0.0208	0.0015	0.0003	0.0782	0.1052	15.1	20.1	19.9	9.4	1.8	1.8	1151.0	2301.9	1913.9	38	9.5	1.1
2121AZ1_25	241	76	0.3	0.0135	0.0107	0.0015	0.0002	0.0661	0.0528	13.2	10.4	10.4	9.5	1.1	1.1	810.8	1621.5	1335.0	28	10.5	1.9
2121AZ1_31	105	55	0.5	0.0199	0.0237	0.0016	0.0003	0.0887	0.1070	19.4	23.1	22.9	10.5	1.9	1.9	1396.7	2793.5	1713.8	46	10.7	1.7
2121AZ1_6	98	71	0.7	0.0283	0.0306	0.0017	0.0003	0.1238	0.1356	28.1	30.4	29.9	10.7	1.7	1.7	2012.3	3116.0	1487.9	62	10.7	2.2
2121AZ1_22	78	31	0.4	0.0243	0.0294	0.0017	0.0003	0.1060	0.1303	23.1	27.9	27.5	10.7	2.2	2.2	1732.5	3465.0	1673.8	54	12.0	1.8
2121AZ1_29	106	58	0.5	0.0292	0.0227	0.0028	0.0004	0.0758	0.0597	26.8	20.7	20.5	18.0	2.3	2.3	1090.0	2180.1	1271.5	33	18.0	2.3
2121AZ1_8	89	25	0.3	0.0342	0.0282	0.0039	0.0005	0.0637	0.0532	36.2	29.7	29.3	25.0	3.5	3.5	732.7	1465.5	1399.7	31	25.0	3.5
2121AZ1_19	298	214	0.7	0.8725	0.0384	0.1038	0.0029	0.0610	0.0027	634.1	26.9	26.5	636.6	17.2	17.2	638.0	95.9	93.1	0	636.6	17.2
12ECC07 (n=122)																					
7ECC12_27	86	47	0.6	0.0129	0.0071	0.0009	0.0002	0.0100	0.0730	13.1	7.3	7.3	5.5	1.3	1.3	-4900.0	2300.0	2300.0	58	5.5	1.3
7ECC12_9	129	31	0.2	0.0101	0.0037	0.0010	0.0001	0.0890	0.0520	10.1	3.7	3.7	6.2	0.7	0.7	-350.0	830.0	830.0	39	6.2	0.7
7ECC12_14	340	421	1.2	0.0075	0.0050	0.0010	0.0001	0.0460	0.0520	7.4	5.0	5.0	6.3	0.8	0.8	-2500.0	1600.0	1600.0	15	6.3	0.8
7ECC12_12	2665	2492	0.9	0.0068	0.0007	0.0010	0.0000	0.0470	0.0045	6.9	0.7	0.7	6.7	0.3	0.3	40.0	170.0	170.0	4	6.7	0.3
7ECC12_29	185	177	1.0	0.0128	0.0049	0.0011	0.0002	0.0930	0.0500	12.6	4.9	4.9	6.8	1.0	1.0	-1300.0	1300.0	1300.0	46	6.8	1.0

7ECC12_67	140	38	0.3	0.0118	0.0055	0.0011	0.0002	0.0500	0.0500	11.7	5.6	5.6	6.8	1.4	1.4	-900.0	1600.0	1600.0	42	6.8	1.4
7ECC12_43	45	10	0.2	0.0158	0.0064	0.0011	0.0002	0.1520	0.0750	15.3	6.4	6.4	7.0	1.2	1.2	-1300.0	1400.0	1400.0	54	7.0	1.2
7ECC12_36	211	58	0.3	0.0057	0.0023	0.0011	0.0001	0.0380	0.0180	5.7	2.3	2.3	7.0	0.9	0.9	-420.0	580.0	580.0	-23	7.0	0.9
7ECC12_64	2035	1128	0.6	0.0065	0.0006	0.0011	0.0000	0.0445	0.0045	6.6	0.6	0.6	7.1	0.3	0.3	-150.0	170.0	170.0	-8	7.1	0.3
7ECC12_47	1278	762	0.6	0.0081	0.0008	0.0011	0.0001	0.0546	0.0058	8.3	0.8	0.8	7.2	0.3	0.3	370.0	210.0	210.0	13	7.2	0.3
7ECC12_6	79	30	0.4	0.0108	0.0037	0.0011	0.0001	0.0840	0.0500	10.7	3.7	3.7	7.3	0.8	0.8	-360.0	770.0	770.0	32	7.3	0.8
7ECC12_23	102	23	0.2	0.0062	0.0046	0.0011	0.0002	0.0650	0.0360	6.1	4.6	4.6	7.3	1.0	1.0	-420.0	890.0	890.0	-19	7.3	1.0
07ECC12_26	2180	1140	0.5	0.0226	0.0021	0.0011	0.0001	0.1490	0.0150	22.7	2.0	2.0	7.3	0.5	0.5	2290.0	160.0	160.0	68	7.3	0.5
7ECC12_37	189	67	0.4	0.0118	0.0022	0.0011	0.0001	0.0810	0.0160	11.8	2.2	2.2	7.3	0.6	0.6	490.0	370.0	370.0	38	7.3	0.6
7ECC12_13	230	161	0.7	0.0183	0.0058	0.0011	0.0002	0.0600	0.0530	17.9	5.7	5.7	7.4	1.0	1.0	-1300.0	1300.0	1300.0	59	7.4	1.0
7ECC12_26	67	24	0.4	0.0100	0.0100	0.0012	0.0002	0.0690	0.0960	9.0	10.0	10.0	7.4	1.6	1.6	-3300.0	2600.0	2600.0	18	7.4	1.6
7ECC12_22	88	29	0.3	0.0130	0.0040	0.0012	0.0002	0.1040	0.0380	13.0	4.0	4.0	7.5	1.0	1.0	220.0	760.0	760.0	43	7.5	1.0
7ECC12_41	108	24	0.2	0.0119	0.0033	0.0012	0.0001	0.0830	0.0290	11.8	3.3	3.3	7.5	0.9	0.9	-240.0	780.0	780.0	37	7.5	0.9
7ECC12_1	184	75	0.4	0.0092	0.0031	0.0012	0.0001	0.0700	0.0360	9.1	3.1	3.1	7.5	0.7	0.7	-720.0	730.0	730.0	18	7.5	0.7
7ECC12_21	99	63	0.6	0.0198	0.0049	0.0012	0.0001	0.1190	0.0420	19.5	4.9	4.9	7.6	0.9	0.9	50.0	890.0	890.0	61	7.6	0.9
7ECC12_18	163	135	0.8	0.0249	0.0041	0.0012	0.0001	0.1850	0.0370	24.8	4.0	4.0	7.8	0.7	0.7	1670.0	460.0	460.0	69	7.8	0.7
7ECC12_35	142	33	0.2	0.0121	0.0031	0.0012	0.0001	0.1020	0.0310	12.7	3.2	3.2	7.8	0.8	0.8	-110.0	760.0	760.0	39	7.8	0.8
7ECC12_3	155	78	0.5	0.0124	0.0076	0.0012	0.0002	0.0700	0.0440	12.3	7.6	7.6	7.8	1.2	1.2	-400.0	1300.0	1300.0	37	7.8	1.2
7ECC12_62	149	77	0.5	0.0097	0.0064	0.0012	0.0002	0.0340	0.0610	9.3	6.4	6.4	7.8	1.2	1.2	-1000.0	1200.0	1200.0	16	7.8	1.2
7ECC12_34	100	51	0.5	0.0113	0.0046	0.0012	0.0002	0.0860	0.0480	11.0	4.6	4.6	7.9	1.0	1.0	-780.0	910.0	910.0	29	7.9	1.0
7ECC12_56	228	147	0.6	0.0153	0.0043	0.0012	0.0001	0.1250	0.0330	15.1	4.2	4.2	7.9	0.9	0.9	360.0	690.0	690.0	48	7.9	0.9
7ECC12_4	195	92	0.5	0.0264	0.0043	0.0013	0.0002	0.1690	0.0360	26.4	4.2	4.2	8.2	1.0	1.0	2070.0	400.0	400.0	69	8.2	1.0
7ECC12_61	126	56	0.4	0.0041	0.0094	0.0013	0.0002	0.0160	0.0730	3.3	9.4	9.4	8.2	1.4	1.4	-4300.0	2000.0	2000.0	-148	8.2	1.4
7ECC12_8	96	31	0.3	0.0094	0.0035	0.0013	0.0001	0.0750	0.0310	9.8	3.5	3.5	8.2	0.9	0.9	-400.0	650.0	650.0	16	8.2	0.9
7ECC12_40	112	27	0.2	0.0121	0.0040	0.0013	0.0001	0.0820	0.0280	12.1	4.0	4.0	8.2	0.9	0.9	280.0	650.0	650.0	32	8.2	0.9
7ECC12_28	158	96	0.6	0.0012	0.0046	0.0013	0.0002	0.0250	0.0480	0.9	4.6	4.6	8.3	1.1	1.1	-2400.0	1100.0	1100.0	-822	8.3	1.1
7ECC12_33	66	22	0.3	0.0161	0.0073	0.0013	0.0002	0.1420	0.0620	15.3	7.2	7.2	8.3	1.3	1.3	-2200.0	1300.0	1300.0	46	8.3	1.3
7ECC12_65	73	29	0.4	0.0119	0.0080	0.0013	0.0002	0.0860	0.0540	11.2	8.0	8.0	8.3	1.4	1.4	-1800.0	1300.0	1300.0	26	8.3	1.4
7ECC12_54	196	79	0.4	0.0093	0.0039	0.0013	0.0001	0.0700	0.0370	9.1	3.9	3.9	8.4	0.9	0.9	-1150.0	910.0	910.0	8	8.4	0.9
7ECC12_48	154	82	0.5	0.0123	0.0051	0.0013	0.0002	0.0830	0.0480	12.1	5.1	5.1	8.4	1.2	1.2	-590.0	930.0	930.0	31	8.4	1.2
7ECC12_57	179	63	0.4	0.0423	0.0075	0.0013	0.0002	0.2620	0.0730	41.4	7.3	7.3	8.6	1.2	1.2	1870.0	790.0	790.0	79	8.6	1.2
7ECC12_59	121	56	0.5	0.0084	0.0068	0.0014	0.0003	0.1330	0.0910	8.7	7.0	7.0	8.7	1.6	1.6	-3700.0	2200.0	2200.0	0	8.7	1.6
7ECC12_42	179	72	0.4	0.0428	0.0089	0.0014	0.0001	0.2330	0.0550	42.1	8.5	8.5	8.7	0.9	0.9	2580.0	390.0	390.0	79	8.7	0.9
7ECC12_10	57	18	0.3	0.0134	0.0057	0.0014	0.0002	0.0860	0.0500	12.9	5.7	5.7	8.8	1.0	1.0	-1100.0	1000.0	1000.0	32	8.8	1.0
7ECC12_45	93	29	0.3	0.0132	0.0047	0.0014	0.0002	0.0930	0.0390	13.1	4.7	4.7	8.8	1.1	1.1	70.0	820.0	820.0	33	8.8	1.1
7ECC12_31	140	81	0.6	0.0080	0.0062	0.0014	0.0002	0.0380	0.0550	7.7	6.3	6.3	8.9	1.3	1.3	-2500.0	1800.0	1800.0	-16	8.9	1.3
7ECC12_39	40	13	0.3	0.0216	0.0096	0.0014	0.0002	0.1780	0.0880	20.7	9.5	9.5	9.1	1.4	1.4	-1800.0	1900.0	1900.0	56	9.1	1.4
7ECC12_49	168	76	0.5	0.0221	0.0073	0.0014	0.0002	0.1800	0.0660	21.6	7.2	7.2	9.1	1.3	1.3	-300.0	1100.0	1100.0	58	9.1	1.3
7ECC12_63	140	55	0.4	0.0080	0.0047	0.0014	0.0002	0.0430	0.0630	7.7	4.8	4.8	9.2	1.0	1.0	-3500.0	1900.0	1900.0	-19	9.2	1.0
7ECC12_30	123	93	0.8	0.0192	0.0078	0.0015	0.0002	0.0860	0.0730	18.5	7.8	7.8	9.3	1.4	1.4	-1800.0	1600.0	1600.0	50	9.3	1.4
7ECC12_52	120	43	0.4	0.0099	0.0082	0.0015	0.0002	0.0610	0.0520	9.1	8.2	8.2	9.5	1.3	1.3	-2200.0	1300.0	1300.0	-4	9.5	1.3
7ECC12_66	109	40	0.4	0.0127	0.0047	0.0015	0.0002	0.0690	0.0310	12.4	4.7	4.7	9.8	1.1	1.1	-990.0	820.0	820.0	21	9.8	1.1
7ECC12_32	80	47	0.6	0.0230	0.0092	0.0016	0.0003	0.0930	0.0810	21.9	9.2	9.2	10.1	1.7	1.7	-1600.0	1700.0	1700.0	54	10.1	1.7

7ECC12_55	124	60	0.5	0.0450	0.0120	0.0016	0.0003	0.2310	0.0910	43.0	12.0	12.0	10.2	2.1	2.1	200.0	1700.0	1700.0	76	10.2	2.1
7ECC12_53	56	26	0.5	0.0150	0.0140	0.0016	0.0003	0.0700	0.1300	12.0	14.0	14.0	10.3	2.2	2.2	-7100.0	3900.0	3900.0	14	10.3	2.2
7ECC12_50	99	37	0.4	0.0022	0.0088	0.0017	0.0003	0.0440	0.0700	1.3	8.8	8.8	10.6	1.7	1.7	-2700.0	1500.0	1500.0	-715	10.6	1.7
7ECC12_11	132	72	0.6	0.0535	0.0085	0.0017	0.0002	0.2790	0.0700	52.0	8.2	8.2	11.1	1.3	1.3	2130.0	690.0	690.0	79	11.1	1.3
7ECC12_25	56	12	0.2	0.0381	0.0099	0.0019	0.0003	0.1300	0.1000	37.1	9.7	9.7	12.1	1.9	1.9	800.0	1600.0	1600.0	67	12.1	1.9
7ECC12_44	113	52	0.5	0.0893	0.0100	0.0020	0.0002	0.3940	0.0710	85.9	9.5	9.5	12.6	1.4	1.4	3420.0	410.0	410.0	85	12.6	1.4
7ECC12_2	159	73	0.5	0.1330	0.0150	0.0021	0.0002	0.4330	0.0600	128.0	13.0	13.0	13.8	1.4	1.4	3930.0	200.0	200.0	89	13.8	1.4
7ECC12_60	66	23	0.3	0.0230	0.0120	0.0022	0.0004	0.1100	0.1600	21.0	12.0	12.0	14.3	2.3	2.3	-7500.0	4100.0	4100.0	32	14.3	2.3
7ECC12_16	63	47	0.7	0.0250	0.0100	0.0024	0.0005	0.0810	0.0740	25.0	10.0	10.0	15.3	3.0	3.0	0.0	1200.0	1200.0	39	15.3	3.0
7ECC12_19	179	211	1.2	0.0204	0.0034	0.0026	0.0002	0.0556	0.0095	20.3	3.3	3.3	16.7	1.0	1.0	40.0	310.0	310.0	18	16.7	1.0
7ECC12_58	172	95	0.6	0.1460	0.0150	0.0027	0.0003	0.4310	0.0630	141.0	14.0	14.0	17.1	2.0	2.0	3940.0	540.0	540.0	88	17.1	2.0
7ECC12_38	33	15	0.4	0.0300	0.0100	0.0028	0.0003	0.1060	0.0440	28.0	10.0	10.0	18.0	2.1	2.1	-790.0	890.0	890.0	36	18.0	2.1
7ECC12_17	52	40	0.8	0.0192	0.0072	0.0028	0.0003	0.0610	0.0230	19.1	7.2	7.2	18.2	1.8	1.8	-610.0	640.0	640.0	5	18.2	1.8
07ECC12_13	505	240	0.5	0.0602	0.0094	0.0029	0.0002	0.1520	0.0240	58.8	8.9	8.9	18.7	1.5	1.5	2120.0	260.0	260.0	68	18.7	1.5
7ECC12_51	103	58	0.6	0.0249	0.0088	0.0030	0.0003	0.0560	0.0360	23.9	8.6	8.6	19.4	1.9	1.9	-600.0	700.0	700.0	19	19.4	1.9
7ECC12_20	44	52	1.2	0.0230	0.0150	0.0032	0.0004	0.0320	0.0410	23.0	15.0	15.0	20.9	2.5	2.5	-2000.0	1100.0	1100.0	9	20.9	2.5
7ECC12_24	28	9	0.3	0.2200	0.0280	0.0033	0.0005	0.6000	0.1800	202.0	23.0	23.0	21.0	3.2	3.2	4100.0	1200.0	1200.0	90	21.0	3.2
7ECC12_46	109	69	0.6	0.0253	0.0061	0.0033	0.0003	0.0610	0.0150	25.0	6.1	6.1	21.0	1.8	1.8	210.0	430.0	430.0	16	21.0	1.8
7ECC12_7	1097	313	0.3	0.0288	0.0017	0.0033	0.0001	0.0614	0.0035	28.9	1.6	1.6	21.5	0.9	0.9	651.0	110.0	110.0	26	21.5	0.9
07ECC12_14	323	158	0.5	0.0880	0.0100	0.0034	0.0003	0.2050	0.0320	85.4	9.7	9.7	21.9	1.8	1.8	2710.0	200.0	200.0	74	21.9	1.8
07ECC12_20	156	85	0.5	0.1050	0.0130	0.0035	0.0003	0.2370	0.0360	100.0	12.0	12.0	22.2	2.2	2.2	2920.0	320.0	320.0	78	22.2	2.2
7ECC12_68	66	36	0.5	0.1020	0.0110	0.0038	0.0003	0.2570	0.0380	97.0	10.0	10.0	24.1	2.0	2.0	2450.0	340.0	340.0	75	24.1	2.0
07ECC12_34	258	141	0.5	0.5120	0.0380	0.0054	0.0006	0.7210	0.0710	415.0	25.0	25.0	34.7	3.9	3.9	4850.0	180.0	180.0	92	34.7	3.9
07ECC12_7	145	98	0.7	0.1080	0.0110	0.0064	0.0004	0.1310	0.0150	102.8	9.7	9.7	40.9	2.8	2.8	1930.0	220.0	220.0	60	40.9	2.8
07ECC12_22	268	126	0.5	0.1660	0.0110	0.0065	0.0005	0.1870	0.0180	156.0	10.0	10.0	42.0	2.9	2.9	2610.0	150.0	150.0	73	42.0	2.9
07ECC12_50	584	439	0.8	0.0545	0.0047	0.0067	0.0003	0.0589	0.0055	53.7	4.5	4.5	43.3	2.1	2.1	560.0	190.0	190.0	19	43.3	2.1
07ECC12_55	211	137	0.6	0.0920	0.0110	0.0068	0.0005	0.0980	0.0120	89.0	10.0	10.0	43.9	3.2	3.2	1450.0	250.0	250.0	51	43.9	3.2
07ECC12_48	339	217	0.6	0.0889	0.0095	0.0069	0.0004	0.0980	0.0120	85.9	8.8	8.8	44.0	2.8	2.8	1420.0	240.0	240.0	49	44.0	2.8
07ECC12_32	171	87	0.5	0.1140	0.0130	0.0073	0.0005	0.1180	0.0130	109.0	12.0	12.0	46.6	3.3	3.3	1740.0	220.0	220.0	57	46.6	3.3
07ECC12_1	191	87	0.5	0.1330	0.0120	0.0073	0.0005	0.1440	0.0150	126.0	10.0	10.0	47.0	2.9	2.9	2070.0	200.0	200.0	63	47.0	2.9
07ECC12_42	123	74	0.6	0.0940	0.0130	0.0073	0.0006	0.0970	0.0160	89.0	12.0	12.0	47.0	3.9	3.9	1320.0	350.0	350.0	47	47.0	3.9
07ECC12_12	204	63	0.3	0.0864	0.0082	0.0084	0.0005	0.0746	0.0083	83.5	7.7	7.7	53.7	3.0	3.0	910.0	220.0	220.0	36	53.7	3.0
07ECC12_4	87	32	0.4	0.1950	0.0190	0.0105	0.0009	0.1490	0.0200	186.0	17.0	17.0	67.2	5.6	5.6	2160.0	250.0	250.0	64	67.2	5.6
07ECC12_37	870	147	0.2	0.0950	0.0064	0.0111	0.0005	0.0606	0.0045	92.6	5.8	5.8	71.0	3.3	3.3	560.0	160.0	160.0	23	71.0	3.3
7ECC12_15	363	457	1.3	0.0963	0.0091	0.0115	0.0006	0.0616	0.0061	92.8	8.4	8.4	73.4	3.5	3.5	520.0	210.0	210.0	21	73.4	3.5
07ECC12_53	89	39	0.4	0.3680	0.0340	0.0118	0.0010	0.2440	0.0320	325.0	26.0	26.0	75.4	6.7	6.7	3140.0	210.0	210.0	77	75.4	6.7
07ECC12_36	1447	187	0.1	0.1259	0.0078	0.0124	0.0005	0.0738	0.0045	120.0	7.0	7.0	79.5	3.3	3.3	990.0	120.0	120.0	34	79.5	3.3
07ECC12_57	1596	555	0.3	0.1329	0.0058	0.0127	0.0005	0.0753	0.0031	127.1	5.1	5.1	81.0	2.9	2.9	1075.0	85.0	85.0	36	81.0	2.9
07ECC12_27	436	193	0.4	0.1869	0.0098	0.0130	0.0007	0.1052	0.0061	174.5	8.2	8.2	83.4	4.2	4.2	1670.0	110.0	110.0	52	83.4	4.2
07ECC12_30	1060	110	0.1	0.1650	0.0140	0.0135	0.0008	0.0903	0.0072	157.0	13.0	13.0	86.4	5.0	5.0	1400.0	140.0	140.0	45	86.4	5.0
07ECC12_54	109	52	0.5	0.6880	0.0510	0.0136	0.0010	0.3760	0.0400	527.0	31.0	31.0	87.0	6.5	6.5	3780.0	150.0	150.0	83	87.0	6.5
07ECC12_38	93	61	0.7	0.7820	0.0680	0.0136	0.0012	0.4460	0.0480	577.0	38.0	38.0	87.3	7.9	7.9	4000.0	170.0	170.0	85	87.3	7.9
07ECC12_39	88	20	0.2	0.2610	0.0320	0.0136	0.0012	0.1630	0.0280	238.0	26.0	26.0	87.3	7.6	7.6	2150.0	310.0	310.0	63	87.3	7.6

07ECC12_49	118	53	0.4	0.2090	0.0240	0.0137	0.0011	0.1040	0.0140	189.0	20.0	20.0	87.5	6.8	6.8	1550.0	250.0	250.0	54	87.5	6.8
07ECC12_35	761	157	0.2	0.1540	0.0150	0.0147	0.0011	0.0755	0.0071	145.0	13.0	13.0	93.9	6.7	6.7	990.0	180.0	180.0	35	93.9	6.7
07ECC12_28	80	27	0.3	0.3810	0.0450	0.0148	0.0015	0.1990	0.0290	329.0	32.0	32.0	94.9	9.7	9.7	2780.0	250.0	250.0	71	94.9	9.7
07ECC12_17	53	20	0.4	0.3970	0.0540	0.0161	0.0015	0.2040	0.0350	338.0	37.0	37.0	102.7	9.3	9.3	2550.0	310.0	310.0	70	102.7	9.3
07ECC12_2	49	21	0.4	0.4700	0.0780	0.0158	0.0018	0.2290	0.0430	399.0	55.0	55.0	103.0	12.0	12.0	2850.0	330.0	330.0	74	103.0	12.0
07ECC12_21	41	13	0.3	0.6960	0.0840	0.0171	0.0017	0.3250	0.0500	525.0	52.0	52.0	109.0	11.0	11.0	3490.0	280.0	280.0	79	109.0	11.0
07ECC12_24	25	7	0.3	1.9500	0.1400	0.0187	0.0022	0.9400	0.1400	1101.0	43.0	43.0	119.0	14.0	14.0	5190.0	340.0	340.0	89	119.0	14.0
07ECC12_18	164	41	0.3	1.1080	0.0890	0.0195	0.0014	0.4150	0.0320	757.0	40.0	40.0	124.7	9.1	9.1	3960.0	120.0	120.0	84	124.7	9.1
07ECC12_3	16	7	0.4	0.8700	0.1900	0.0198	0.0033	0.4500	0.1400	610.0	110.0	110.0	126.0	21.0	21.0	2920.0	810.0	810.0	79	126.0	21.0
07ECC12_31	251	68	0.3	0.3190	0.0180	0.0345	0.0016	0.0669	0.0041	280.0	14.0	14.0	218.6	9.7	9.7	780.0	130.0	130.0	22	218.6	9.7
07ECC12_46	1013	163	0.2	0.3400	0.0160	0.0376	0.0015	0.0630	0.0028	297.0	12.0	12.0	238.2	9.3	9.3	726.0	84.0	84.0	20	238.2	9.3
07ECC12_41	671	76	0.1	0.3770	0.0350	0.0383	0.0018	0.0685	0.0060	322.0	25.0	25.0	242.5	11.0	11.0	800.0	180.0	180.0	25	242.5	11.0
07ECC12_29	304	366	1.2	0.3930	0.0190	0.0440	0.0020	0.0657	0.0036	338.0	15.0	15.0	277.0	12.0	12.0	810.0	120.0	120.0	18	277.0	12.0
07ECC12_47	290	355	1.2	0.4700	0.0210	0.0529	0.0022	0.0630	0.0029	392.0	14.0	14.0	332.0	14.0	14.0	750.0	92.0	92.0	15	332.0	14.0
07ECC12_15	50	86	1.7	1.2220	0.0940	0.0821	0.0049	0.1040	0.0087	802.0	42.0	42.0	508.0	29.0	29.0	1720.0	160.0	160.0	37	508.0	29.0
07ECC12_11	107	49	0.5	0.7540	0.0480	0.0822	0.0034	0.0681	0.0049	578.0	29.0	29.0	509.0	20.0	20.0	830.0	160.0	160.0	12	509.0	20.0
07ECC12_8	111	75	0.7	0.8740	0.0320	0.0916	0.0035	0.0693	0.0028	634.0	18.0	18.0	565.0	21.0	21.0	907.0	84.0	84.0	11	565.0	21.0
07ECC12_6	234	160	0.7	0.9820	0.0310	0.1039	0.0040	0.0684	0.0026	692.0	16.0	16.0	637.0	23.0	23.0	855.0	83.0	83.0	8	637.0	23.0
07ECC12_23	312	174	0.6	1.0550	0.0360	0.1064	0.0036	0.0715	0.0023	729.0	17.0	17.0	651.0	21.0	21.0	968.0	66.0	66.0	11	651.0	21.0
07ECC12_56	1140	150	0.1	0.9400	0.0190	0.1071	0.0036	0.0644	0.0015	675.1	9.4	9.4	655.0	21.0	21.0	747.0	49.0	49.0	3	655.0	21.0
07ECC12_43	120	34	0.3	1.0140	0.0450	0.1096	0.0046	0.0679	0.0031	711.0	23.0	23.0	670.0	26.0	26.0	870.0	92.0	92.0	6	670.0	26.0
07ECC12_40	172	119	0.7	1.0470	0.0370	0.1135	0.0040	0.0668	0.0023	725.0	18.0	18.0	692.0	23.0	23.0	835.0	72.0	72.0	5	692.0	23.0
07ECC12_44	351	200	0.6	1.1780	0.0350	0.1200	0.0042	0.0701	0.0023	788.0	16.0	16.0	730.0	24.0	24.0	929.0	66.0	66.0	7	730.0	24.0
07ECC12_19	157	119	0.8	1.5670	0.0460	0.1255	0.0047	0.0926	0.0033	954.0	18.0	18.0	762.0	27.0	27.0	1464.0	65.0	65.0	20	762.0	27.0
07ECC12_52	461	190	0.4	1.3110	0.0380	0.1324	0.0046	0.0731	0.0017	850.0	17.0	17.0	801.0	26.0	26.0	1016.0	51.0	51.0	6	801.0	26.0
07ECC12_16	869	639	0.7	1.7340	0.0440	0.1729	0.0058	0.0734	0.0019	1017.0	16.0	16.0	1027.0	32.0	32.0	1005.0	51.0	51.0	-1	1005.0	51.0
07ECC12_25	560	25	0.0	1.6390	0.0460	0.1614	0.0055	0.0749	0.0018	985.0	17.0	17.0	964.0	30.0	30.0	1066.0	48.0	48.0	2	1066.0	48.0
07ECC12_10	48	26	0.5	3.0600	0.1100	0.2577	0.0120	0.0868	0.0041	1426.0	29.0	29.0	1474.0	60.0	60.0	1344.0	91.0	91.0	-3	1344.0	91.0
07ECC12_45	167	87	0.5	3.4190	0.0910	0.2601	0.0098	0.0979	0.0034	1505.0	21.0	21.0	1493.0	49.0	49.0	1561.0	66.0	66.0	1	1561.0	66.0
07ECC12_9	193	95	0.5	3.0340	0.0940	0.2254	0.0080	0.0981	0.0030	1412.0	24.0	24.0	1309.0	42.0	42.0	1571.0	57.0	57.0	7	1571.0	57.0
07ECC12_51	220	154	0.7	2.7590	0.0660	0.2061	0.0068	0.0982	0.0027	1341.0	18.0	18.0	1207.0	36.0	36.0	1584.0	49.0	49.0	10	1584.0	49.0
07ECC12_5	454	202	0.4	5.3800	0.1100	0.3033	0.0095	0.1291	0.0026	1878.0	17.0	17.0	1706.0	47.0	47.0	2083.0	36.0	36.0	9	2083.0	36.0
13ECC04 (n=103)																					
2123AZ1_76	153	111	0.7	0.0135	0.0145	0.0016	0.0003	0.0627	0.0686	13.6	14.6	14.5	10.0	1.7	1.7	697.1	1394.1	1738.5	26	10.0	1.7
2123AZ1_93	926	207	0.2	0.0110	0.0028	0.0016	0.0001	0.0508	0.0131	11.1	2.8	2.8	10.1	0.5	0.5	233.5	467.0	547.4	9	10.1	0.5
2123AZ1_61	92	45	0.5	0.0382	0.0344	0.0022	0.0003	0.1248	0.1138	38.1	34.0	33.4	14.3	2.0	2.0	2026.2	2319.4	1284.5	62	14.3	2.0
2123AZ1_35	97	41	0.4	0.0224	0.0280	0.0022	0.0003	0.0727	0.0917	22.5	28.0	27.7	14.4	2.1	2.1	1006.3	2012.6	1857.7	36	14.4	2.1
2123AZ1_23	105	56	0.5	0.0227	0.0272	0.0022	0.0004	0.0735	0.0889	22.8	27.2	26.9	14.4	2.4	2.4	1027.0	2053.9	1795.8	37	14.4	2.4
2123AZ1_31	175	101	0.6	0.0166	0.0163	0.0023	0.0003	0.0527	0.0523	16.7	16.4	16.2	14.7	1.8	1.8	314.0	628.0	1706.0	12	14.7	1.8
2123AZ1_79	194	67	0.3	0.0204	0.0138	0.0027	0.0003	0.0557	0.0379	20.6	13.7	13.7	17.1	1.6	1.6	441.7	883.5	1236.1	17	17.1	1.6
2123AZ1_30	490	404	0.8	0.0206	0.0063	0.0029	0.0002	0.0523	0.0162	20.7	6.3	6.3	18.4	1.0	1.0	299.5	599.0	639.9	11	18.4	1.0
2123AZ1_95	256	153	0.6	0.0263	0.0092	0.0031	0.0002	0.0608	0.0218	26.3	9.1	9.1	20.2	1.5	1.5	633.8	882.6	689.9	23	20.2	1.5
2123AZ1_13	108	52	0.5	0.0314	0.0238	0.0032	0.0004	0.0703	0.0539	31.4	23.5	23.3	20.8	2.5	2.5	938.3	1876.6	1269.6	34	20.8	2.5

2123AZ1_39	326	98	0.3	0.0255	0.0091	0.0032	0.0002	0.0570	0.0205	25.6	9.0	9.0	20.9	1.1	1.1	490.1	912.9	709.7	18	20.9	1.1
2123AZ1_32	52	28	0.5	0.0475	0.0470	0.0033	0.0006	0.1056	0.1065	47.1	46.1	45.1	21.0	4.1	4.1	1724.3	2851.2	1438.1	55	21.0	4.1
2123AZ1_55	171	87	0.5	0.0281	0.0184	0.0033	0.0003	0.0622	0.0412	28.1	18.3	18.1	21.1	2.0	2.0	682.0	1364.0	1166.5	25	21.1	2.0
2123AZ1_59	115	45	0.4	0.0310	0.0279	0.0034	0.0004	0.0663	0.0601	31.0	27.6	27.3	21.8	2.7	2.7	815.2	1630.4	1478.9	30	21.8	2.7
2123AZ1_25	133	67	0.5	0.0262	0.0192	0.0035	0.0003	0.0549	0.0405	26.2	19.1	18.9	22.3	2.2	2.2	407.6	815.2	1329.6	15	22.3	2.2
2123AZ1_60	110	56	0.5	0.0363	0.0295	0.0035	0.0004	0.0748	0.0615	36.2	29.1	28.7	22.7	2.8	2.8	1062.8	2125.6	1321.3	37	22.7	2.8
2123AZ1_94	737	387	0.5	0.0272	0.0050	0.0038	0.0001	0.0521	0.0097	27.3	5.0	4.9	24.4	0.9	0.9	289.1	456.4	400.0	11	24.4	0.9
2123AZ1_48	121	91	0.8	0.0313	0.0256	0.0039	0.0004	0.0588	0.0486	31.3	25.4	25.1	24.8	2.9	2.8	561.2	1122.4	1422.6	21	24.8	2.9
2123AZ1_109	138	53	0.4	0.0313	0.0226	0.0043	0.0004	0.0530	0.0384	31.3	22.3	22.1	27.6	2.4	2.4	326.9	653.9	1327.0	12	27.6	2.4
2123AZ1_34	236	218	0.9	0.0335	0.0114	0.0044	0.0003	0.0556	0.0192	33.5	11.2	11.2	28.1	1.8	1.8	435.7	871.4	690.1	16	28.1	1.8
2123AZ1_80	365	146	0.4	0.0345	0.0094	0.0045	0.0002	0.0561	0.0155	34.5	9.2	9.2	28.7	1.4	1.4	457.8	678.4	559.7	17	28.7	1.4
2123AZ1_27	984	897	0.9	0.0316	0.0042	0.0045	0.0001	0.0504	0.0068	31.6	4.1	4.1	29.3	0.8	0.8	213.9	326.3	296.6	7	29.3	0.8
2123AZ1_2	298	276	0.9	0.0384	0.0094	0.0049	0.0002	0.0566	0.0142	38.2	9.3	9.2	31.6	1.5	1.5	475.0	608.2	511.0	17	31.6	1.5
2123AZ1_63	84	34	0.4	0.0454	0.0257	0.0049	0.0004	0.0669	0.0383	45.1	25.1	24.8	31.7	2.7	2.7	835.3	1494.2	1008.7	30	31.7	2.7
2123AZ1_8	481	709	1.5	0.0358	0.0073	0.0049	0.0002	0.0526	0.0109	35.7	7.2	7.2	31.7	1.3	1.3	311.8	509.6	440.2	11	31.7	1.3
2123AZ1_42	177	115	0.6	0.0384	0.0147	0.0050	0.0003	0.0557	0.0215	38.3	14.4	14.3	32.2	1.8	1.8	440.7	881.5	759.0	16	32.2	1.8
2123AZ1_7	486	610	1.3	0.0450	0.0425	0.0051	0.0008	0.0634	0.0607	44.7	41.7	40.9	33.0	5.3	5.3	723.2	1446.4	1562.5	26	33.0	5.3
2123AZ1_9	156	110	0.7	0.0913	0.2956	0.0051	0.0030	0.1286	0.4229	88.7	177.4	257.9	33.1	19.5	19.5	2078.7	4157.3	3168.7	63	33.1	19.5
2123AZ1_90	1904	1810	1.0	0.0381	0.0040	0.0055	0.0002	0.0499	0.0053	38.0	3.9	3.9	35.6	1.0	1.0	190.8	256.6	237.9	6	35.6	1.0
2123AZ1_47	178	116	0.6	0.0441	0.0145	0.0056	0.0003	0.0570	0.0190	43.8	14.2	14.1	36.1	2.1	2.1	490.3	836.2	662.5	18	36.1	2.1
2123AZ1_21	872	893	1.0	0.0469	0.0120	0.0060	0.0003	0.0568	0.0147	46.5	11.6	11.6	38.5	2.0	2.0	484.8	628.3	525.0	17	38.5	2.0
2123AZ1_71	677	829	1.2	0.0442	0.0077	0.0062	0.0003	0.0519	0.0093	43.9	7.5	7.5	39.7	1.8	1.8	281.3	438.3	386.1	10	39.7	1.8
2123AZ1_72	61	22	0.4	0.0530	0.0409	0.0062	0.0007	0.0621	0.0485	52.4	39.9	39.1	39.7	4.5	4.5	679.3	1358.5	1336.6	24	39.7	4.5
2123AZ1_105	613	348	0.6	0.0430	0.0065	0.0063	0.0002	0.0499	0.0076	42.8	6.3	6.3	40.2	1.5	1.5	188.3	373.7	335.3	6	40.2	1.5
2123AZ1_91	855	456	0.5	0.0432	0.0050	0.0063	0.0002	0.0499	0.0059	43.0	4.9	4.9	40.4	1.2	1.2	188.6	289.4	265.8	6	40.4	1.2
2123AZ1_66	209	196	0.9	0.0501	0.0160	0.0065	0.0003	0.0562	0.0181	49.7	15.5	15.4	41.6	2.0	2.0	461.5	807.1	644.4	16	41.6	2.0
2123AZ1_17	292	188	0.6	0.0501	0.0128	0.0065	0.0003	0.0556	0.0144	49.6	12.4	12.3	42.0	2.0	2.0	436.7	634.3	529.5	15	42.0	2.0
2123AZ1_64	354	228	0.6	0.0458	0.0092	0.0066	0.0003	0.0504	0.0103	45.5	9.0	8.9	42.4	1.7	1.7	212.0	424.0	441.4	7	42.4	1.7
2123AZ1_67	594	221	0.4	0.0464	0.0069	0.0066	0.0003	0.0507	0.0077	46.1	6.7	6.7	42.7	2.0	2.0	225.7	371.7	333.6	7	42.7	2.0
2123AZ1_87	828	505	0.6	0.0474	0.0064	0.0067	0.0002	0.0510	0.0070	47.0	6.2	6.2	43.2	1.2	1.2	242.0	331.2	300.5	8	43.2	1.2
2123AZ1_83	476	248	0.5	0.0488	0.0080	0.0069	0.0002	0.0511	0.0085	48.4	7.7	7.7	44.5	1.4	1.4	243.7	405.8	360.7	8	44.5	1.4
2123AZ1_51	64	29	0.5	0.0574	0.0491	0.0070	0.0007	0.0596	0.0513	56.7	47.7	46.6	44.9	4.7	4.7	589.3	1178.7	1464.8	21	44.9	4.7
2123AZ1_84	634	187	0.3	0.0482	0.0063	0.0070	0.0002	0.0497	0.0067	47.8	6.2	6.1	45.2	1.5	1.5	180.9	330.1	299.8	5	45.2	1.5
2123AZ1_26	114	76	0.7	0.0512	0.0239	0.0071	0.0005	0.0521	0.0246	50.7	23.2	23.0	45.8	3.4	3.4	290.3	580.6	930.1	10	45.8	3.4
2123AZ1_68	377	187	0.5	0.0489	0.0095	0.0071	0.0004	0.0497	0.0099	48.4	9.3	9.2	45.8	2.3	2.3	180.5	361.0	435.4	5	45.8	2.3
2123AZ1_14	453	154	0.3	0.0481	0.0087	0.0072	0.0003	0.0488	0.0089	47.7	8.4	8.4	46.0	1.9	1.9	137.9	275.7	404.4	4	46.0	1.9
2123AZ1_1	183	147	0.8	0.0693	0.0222	0.0080	0.0004	0.0629	0.0203	68.1	21.2	21.0	51.3	2.5	2.5	705.7	775.2	622.0	25	51.3	2.5
2123AZ1_74	1684	1907	1.1	0.0545	0.0044	0.0084	0.0002	0.0472	0.0038	53.9	4.2	4.2	53.7	1.3	1.3	61.8	123.6	187.4	0	53.7	1.3
2123AZ1_4	982	782	0.8	0.0633	0.0061	0.0091	0.0003	0.0505	0.0049	62.3	5.8	5.8	58.3	1.6	1.6	218.3	234.8	219.0	6	58.3	1.6
2123AZ1_36	145	84	0.6	0.0692	0.0169	0.0096	0.0005	0.0524	0.0130	68.0	16.1	16.0	61.5	3.3	3.3	303.3	606.7	522.5	10	61.5	3.3
2123AZ1_10	691	866	1.3	0.0699	0.0063	0.0101	0.0003	0.0499	0.0046	68.6	6.0	6.0	65.1	1.7	1.7	192.1	221.1	207.0	5	65.1	1.7
2123AZ1_44	51	17	0.3	0.0746	0.0466	0.0102	0.0010	0.0533	0.0336	73.1	44.5	43.6	65.2	6.3	6.3	339.6	679.2	1181.9	11	65.2	6.3
2123AZ1_29	1076	653	0.6	0.0769	0.0067	0.0109	0.0002	0.0510	0.0045	75.2	6.4	6.3	70.1	1.5	1.5	238.8	210.2	197.4	7	70.1	1.5

2123AZ1_88	187	49	0.3	0.0787	0.0216	0.0112	0.0005	0.0511	0.0142	76.9	20.4	20.2	71.5	3.0	3.0	247.4	494.7	581.9	7	71.5	3.0
2123AZ1_15	447	264	0.6	0.0795	0.0084	0.0113	0.0004	0.0511	0.0055	77.7	7.9	7.9	72.4	2.3	2.3	243.6	258.2	239.2	7	72.4	2.3
2123AZ1_38	403	300	0.7	0.0800	0.0091	0.0114	0.0003	0.0507	0.0059	78.1	8.6	8.6	73.3	2.2	2.2	228.6	281.5	259.1	6	73.3	2.2
2123AZ1_6	889	198	0.2	0.0797	0.0073	0.0115	0.0005	0.0503	0.0047	77.8	6.8	6.8	73.5	3.1	3.1	211.2	221.7	207.6	5	73.5	3.1
2123AZ1_52	237	107	0.4	0.0829	0.0164	0.0116	0.0005	0.0518	0.0105	80.9	15.5	15.3	74.4	3.3	3.3	276.3	498.6	432.1	8	74.4	3.3
2123AZ1_89	400	263	0.7	0.0825	0.0130	0.0119	0.0005	0.0504	0.0081	80.5	12.2	12.2	76.0	3.1	3.1	214.9	397.2	354.0	6	76.0	3.1
2123AZ1_3	181	55	0.3	0.0861	0.0169	0.0121	0.0004	0.0514	0.0102	83.9	15.8	15.7	77.8	2.7	2.7	259.2	489.8	425.6	7	77.8	2.7
2123AZ1_70	508	419	0.8	0.0861	0.0104	0.0122	0.0004	0.0512	0.0063	83.8	9.7	9.7	78.1	2.5	2.5	251.2	294.2	269.8	7	78.1	2.5
2123AZ1_103	193	101	0.5	0.0880	0.0173	0.0124	0.0006	0.0515	0.0103	85.6	16.2	16.0	79.4	3.7	3.7	263.8	494.7	429.2	7	79.4	3.7
2123AZ1_104	511	184	0.4	0.0927	0.0174	0.0125	0.0007	0.0536	0.0103	90.0	16.2	16.1	80.3	4.6	4.6	356.4	465.0	406.4	11	80.3	4.6
2123AZ1_107	185	84	0.5	0.0899	0.0202	0.0127	0.0006	0.0514	0.0117	87.4	18.9	18.7	81.2	3.9	3.9	260.8	521.5	484.4	7	81.2	3.9
2123AZ1_20	229	133	0.6	0.0927	0.0162	0.0127	0.0004	0.0529	0.0094	90.0	15.1	15.0	81.4	2.8	2.8	325.4	430.5	379.9	10	81.4	2.8
2123AZ1_65	331	196	0.6	0.0965	0.0151	0.0135	0.0006	0.0520	0.0083	93.6	14.0	13.9	86.2	3.7	3.7	286.8	386.7	345.5	8	86.2	3.7
2123AZ1_110	154	50	0.3	0.1006	0.0240	0.0138	0.0006	0.0530	0.0128	97.4	22.2	22.0	88.2	4.0	4.0	327.2	600.7	506.4	9	88.2	4.0
2123AZ1_98	848	497	0.6	0.0931	0.0086	0.0138	0.0004	0.0488	0.0045	90.4	8.0	8.0	88.6	2.7	2.7	137.6	226.7	212.0	2	88.6	2.7
2123AZ1_81	1010	129	0.1	0.2294	0.0115	0.0314	0.0008	0.0529	0.0027	209.7	9.6	9.5	199.5	4.9	4.9	325.5	119.3	115.0	5	199.5	4.9
2123AZ1_75	366	29	0.1	0.2498	0.0169	0.0351	0.0009	0.0517	0.0036	226.4	13.8	13.7	222.2	5.4	5.4	270.0	161.7	154.1	2	222.2	5.4
2123AZ1_12	371	145	0.4	0.2485	0.0162	0.0351	0.0007	0.0513	0.0034	225.4	13.3	13.2	222.7	4.1	4.1	253.9	155.8	148.7	1	222.7	4.1
2123AZ1_92	439	152	0.3	0.2481	0.0156	0.0353	0.0007	0.0509	0.0033	225.0	12.7	12.6	223.8	4.1	4.1	237.6	150.9	144.2	1	223.8	4.1
2123AZ1_108	982	226	0.2	0.2488	0.0097	0.0354	0.0006	0.0509	0.0020	225.6	7.9	7.9	224.4	3.7	3.7	238.5	92.5	90.0	1	224.4	3.7
2123AZ1_106	312	98	0.3	0.2543	0.0193	0.0359	0.0010	0.0514	0.0040	230.1	15.7	15.6	227.2	6.2	6.2	259.7	184.2	174.3	1	227.2	6.2
2123AZ1_46	192	80	0.4	0.2633	0.0245	0.0373	0.0009	0.0512	0.0048	237.3	19.7	19.6	236.1	5.9	5.9	249.1	223.6	209.2	1	236.1	5.9
2123AZ1_11	120	110	0.9	0.4691	0.0348	0.0602	0.0015	0.0565	0.0043	390.6	24.2	23.9	377.0	9.1	9.1	472.0	174.1	165.1	3	377.0	9.1
2123AZ1_57	490	352	0.7	0.5384	0.0215	0.0681	0.0014	0.0573	0.0023	437.3	14.2	14.1	424.8	8.6	8.6	504.1	90.5	88.0	3	424.8	8.6
2123AZ1_56	590	205	0.3	0.5632	0.0186	0.0730	0.0016	0.0560	0.0019	453.6	12.1	12.1	454.0	9.6	9.6	451.3	75.0	73.3	0	454.0	9.6
2123AZ1_24	449	242	0.5	0.6112	0.0248	0.0761	0.0016	0.0582	0.0024	484.3	15.7	15.6	473.1	9.4	9.4	537.8	93.2	90.5	2	473.1	9.4
2123AZ1_77	1156	337	0.3	0.6356	0.0179	0.0805	0.0015	0.0572	0.0016	499.6	11.1	11.1	499.4	9.0	9.0	500.4	61.5	60.3	0	499.4	9.0
2123AZ1_85	98	36	0.4	0.6480	0.0616	0.0823	0.0020	0.0571	0.0055	507.2	38.3	37.6	509.9	11.8	11.8	495.3	219.4	205.3	-1	509.9	11.8
2123AZ1_45	226	146	0.6	0.6775	0.0357	0.0826	0.0016	0.0595	0.0032	525.3	21.7	21.5	511.8	9.6	9.6	584.4	118.5	114.2	3	511.8	9.6
2123AZ1_101	168	151	0.9	0.6757	0.0366	0.0845	0.0019	0.0580	0.0032	524.2	22.3	22.0	523.2	11.6	11.6	528.6	122.4	117.9	0	523.2	11.6
2123AZ1_33	155	145	0.9	0.6977	0.0462	0.0850	0.0017	0.0596	0.0040	537.4	27.8	27.4	525.7	9.9	9.9	587.5	149.0	142.3	2	525.7	9.9
2123AZ1_62	42	37	0.9	0.7338	0.0876	0.0858	0.0027	0.0620	0.0076	558.8	51.9	50.7	530.5	16.0	16.0	675.7	272.5	250.9	5	530.5	16.0
2123AZ1_78	434	437	1.0	0.6993	0.0292	0.0863	0.0019	0.0588	0.0024	538.4	17.5	17.4	533.4	11.2	11.2	559.5	92.0	89.4	1	533.4	11.2
2123AZ1_96	120	65	0.5	0.7240	0.0466	0.0876	0.0022	0.0599	0.0040	553.0	27.6	27.3	541.6	13.0	13.0	600.4	146.7	140.2	2	541.6	13.0
2123AZ1_69	361	188	0.5	0.7172	0.0291	0.0886	0.0018	0.0587	0.0025	549.0	17.3	17.1	547.4	10.9	10.9	555.7	92.8	90.2	0	547.4	10.9
2123AZ1_99	1268	1029	0.8	0.7984	0.0234	0.0968	0.0018	0.0598	0.0018	595.9	13.2	13.2	595.7	10.5	10.5	596.8	64.3	63.0	0	595.7	10.5
2123AZ1_19	299	135	0.5	0.8786	0.0447	0.1000	0.0018	0.0637	0.0033	640.2	24.3	24.0	614.7	10.6	10.6	731.4	111.4	107.6	4	614.7	10.6
2123AZ1_43	866	267	0.3	0.8381	0.0237	0.1003	0.0014	0.0606	0.0017	618.1	13.1	13.1	616.2	8.2	8.2	624.9	61.8	60.6	0	616.2	8.2
2123AZ1_5	247	143	0.6	0.8510	0.0346	0.1010	0.0021	0.0611	0.0026	625.2	19.1	18.9	620.1	12.4	12.4	643.8	93.0	90.3	1	620.1	12.4
2123AZ1_28	655	185	0.3	0.8953	0.0264	0.1028	0.0021	0.0632	0.0019	649.2	14.2	14.1	630.7	12.5	12.5	714.1	64.0	62.7	3	630.7	12.5
2123AZ1_102	177	56	0.3	0.9320	0.0507	0.1083	0.0024	0.0624	0.0034	668.7	26.8	26.5	662.7	13.7	13.7	688.9	118.3	114.1	1	662.7	13.7
2123AZ1_16	1113	481	0.4	1.0176	0.0311	0.1126	0.0025	0.0655	0.0020	712.7	15.7	15.6	688.1	14.4	14.3	791.1	65.4	64.1	3	688.1	14.4
2123AZ1_49	202	223	1.1	1.4443	0.0502	0.1491	0.0030	0.0703	0.0025	907.5	21.0	20.8	895.9	16.7	16.7	935.8	72.8	71.2	1	895.9	16.7

2123AZ1_54	143	66	0.5	1.6389	0.0757	0.1628	0.0039	0.0730	0.0035	985.3	29.3	28.9	972.2	21.6	21.6	1014.4	99.3	96.2	1	972.2	21.6
2123AZ1_37	333	261	0.8	1.7316	0.0569	0.1709	0.0025	0.0735	0.0024	1020.4	21.3	21.0	1016.9	13.9	13.9	1027.7	68.1	66.6	0	1016.9	13.9
2123AZ1_53	80	38	0.5	1.7577	0.0950	0.1715	0.0034	0.0743	0.0041	1030.0	35.3	34.7	1020.4	18.5	18.5	1050.5	112.4	108.5	1	1020.4	18.5
2123AZ1_86	901	90	0.1	2.0125	0.0558	0.1810	0.0030	0.0806	0.0022	1119.7	18.9	18.7	1072.6	16.2	16.1	1212.3	55.0	54.1	4	1072.6	16.2
2123AZ1_100	469	286	0.6	2.0748	0.0629	0.1874	0.0034	0.0803	0.0024	1140.5	20.9	20.7	1107.3	18.4	18.4	1204.4	60.7	59.5	3	1107.3	18.4
2123AZ1_73	595	328	0.6	5.2702	0.1384	0.3239	0.0057	0.1180	0.0031	1864.1	22.5	22.3	1808.8	27.6	27.6	1926.3	46.9	46.2	3	1926.3	46.9
2123AZ1_18	354	92	0.3	4.7357	0.9474	0.2820	0.0429	0.1218	0.0212	1773.6	175.0	161.1	1601.6	217.8	214.1	1982.5	327.2	294.5	10	1982.5	327.2
13ECC06 (n=102)																					
2124AZ1_29	10	5	0.5	0.0666	0.1690	0.0014	0.0017	0.3478	0.9803	65.5	130.9	154.8	8.9	11.0	11.0	3697.2	7394.4	1725.6	86	8.9	11.0
2124AZ1_93	100	33	0.3	0.0208	0.0263	0.0015	0.0004	0.1033	0.1332	20.9	26.3	26.0	9.4	2.5	2.5	1684.5	3369.1	1744.1	55	9.4	2.5
2124AZ1_22	102	36	0.4	0.0243	0.0295	0.0016	0.0004	0.1117	0.1381	24.4	29.5	29.1	10.2	2.5	2.5	1827.6	3655.3	1664.5	58	10.2	2.5
2124AZ1_96	459	213	0.5	0.0115	0.0048	0.0017	0.0001	0.0501	0.0211	11.6	4.8	4.8	10.8	0.8	0.8	198.3	396.5	853.9	8	10.8	0.8
2124AZ1_55	77	30	0.4	0.0231	0.0350	0.0018	0.0004	0.0943	0.1442	23.2	35.0	34.4	11.5	2.8	2.8	1513.8	3027.7	2015.8	51	11.5	2.8
2124AZ1_83	211	92	0.4	0.0127	0.0120	0.0018	0.0002	0.0515	0.0489	12.8	12.0	11.9	11.5	1.3	1.3	263.2	526.4	1661.1	10	11.5	1.3
2124AZ1_26	181	86	0.5	0.0169	0.0144	0.0019	0.0002	0.0658	0.0566	17.0	14.4	14.3	12.0	1.5	1.5	800.2	1600.4	1420.2	30	12.0	1.5
2124AZ1_9	68	62	0.9	0.0348	0.0393	0.0019	0.0004	0.1308	0.1501	34.8	38.9	38.2	12.4	2.7	2.7	2109.3	3331.9	1528.7	64	12.4	2.7
2124AZ1_68	136	73	0.5	0.0200	0.0208	0.0019	0.0003	0.0746	0.0786	20.1	20.8	20.6	12.5	2.0	2.0	1058.8	2117.6	1608.4	38	12.5	2.0
2124AZ1_71	189	97	0.5	0.0148	0.0123	0.0020	0.0002	0.0547	0.0459	14.9	12.3	12.3	12.6	1.5	1.5	399.4	798.8	1477.5	15	12.6	1.5
2124AZ1_20	59	21	0.4	0.0331	0.0382	0.0020	0.0005	0.1202	0.1417	33.1	37.9	37.2	12.9	3.3	3.3	1959.7	3588.4	1583.9	61	12.9	3.3
2124AZ1_72	60	28	0.5	0.0385	0.0501	0.0021	0.0006	0.1323	0.1758	38.3	49.6	48.4	13.6	3.6	3.6	2129.2	4258.4	1706.3	65	13.6	3.6
2124AZ1_30	110	32	0.3	0.0209	0.0272	0.0022	0.0004	0.0694	0.0913	21.0	27.2	26.9	14.1	2.7	2.7	909.5	1818.9	1940.5	33	14.1	2.7
2124AZ1_77	79	44	0.6	0.0401	0.0384	0.0023	0.0004	0.1256	0.1220	40.0	37.9	37.2	14.9	2.6	2.6	2037.0	2552.0	1350.4	63	14.9	2.6
2124AZ1_88	122	42	0.3	0.0276	0.0265	0.0023	0.0004	0.0859	0.0833	27.6	26.3	26.0	15.0	2.3	2.3	1335.1	2670.3	1458.3	46	15.0	2.3
2124AZ1_37	176	57	0.3	0.0190	0.0134	0.0024	0.0003	0.0579	0.0411	19.1	13.4	13.3	15.3	1.7	1.7	527.0	1053.9	1263.1	20	15.3	1.7
2124AZ1_84	87	28	0.3	0.0246	0.0257	0.0024	0.0004	0.0734	0.0776	24.6	25.6	25.3	15.6	2.5	2.5	1026.3	2052.6	1619.7	37	15.6	2.5
2124AZ1_76	49	15	0.3	0.0492	0.0649	0.0024	0.0005	0.1460	0.1950	48.8	63.8	61.9	15.8	3.5	3.5	2299.1	4352.8	1687.0	68	15.8	3.5
2124AZ1_32	36	14	0.4	0.0536	0.0742	0.0027	0.0009	0.1421	0.2012	53.0	72.7	70.2	17.6	5.6	5.6	2252.5	4505.1	1770.3	67	17.6	5.6
2124AZ1_47	30	12	0.4	0.0571	0.0787	0.0029	0.0009	0.1451	0.2045	56.4	77.0	74.2	18.4	5.7	5.7	2288.6	4577.3	1758.0	67	18.4	5.7
2124AZ1_46	26	13	0.5	0.0519	0.0763	0.0030	0.0009	0.1262	0.1896	51.4	75.1	72.4	19.2	6.0	6.0	2045.1	4090.3	1885.0	63	19.2	6.0
2124AZ1_5	133	61	0.5	0.0283	0.0193	0.0033	0.0004	0.0621	0.0428	28.3	19.1	18.9	21.2	2.4	2.4	678.6	1357.2	1206.1	25	21.2	2.4
2124AZ1_31	13	4	0.3	0.1263	0.1644	0.0034	0.0018	0.2672	0.3738	120.8	153.8	143.0	22.1	11.4	11.4	3289.5	4172.0	1618.2	82	22.1	11.4
2124AZ1_1	122	98	0.8	0.0330	0.0210	0.0036	0.0004	0.0672	0.0432	33.0	20.7	20.5	22.9	2.7	2.7	844.3	1688.6	1112.6	30	22.9	2.7
2124AZ1_27	78	34	0.4	0.0427	0.0344	0.0036	0.0005	0.0851	0.0695	42.4	33.8	33.3	23.4	3.0	3.0	1318.0	2212.7	1272.2	45	23.4	3.0
2124AZ1_110	128	60	0.5	0.0319	0.0198	0.0038	0.0003	0.0611	0.0382	31.9	19.5	19.3	24.3	2.1	2.1	643.3	1286.6	1117.0	24	24.3	2.1
2124AZ1_90	341	162	0.5	0.0280	0.0103	0.0039	0.0003	0.0519	0.0194	28.0	10.2	10.1	25.1	1.7	1.7	281.0	562.1	757.0	10	25.1	1.7
2124AZ1_6	33	9	0.3	0.0701	0.0752	0.0040	0.0011	0.1275	0.1414	68.7	72.6	70.1	25.6	7.3	7.3	2064.0	3157.6	1494.8	63	25.6	7.3
2124AZ1_52	77	40	0.5	0.0401	0.0378	0.0040	0.0006	0.0721	0.0687	39.9	37.2	36.5	25.9	3.8	3.8	989.6	1979.3	1500.6	35	25.9	3.8
2124AZ1_36	59	30	0.5	0.0477	0.0440	0.0044	0.0006	0.0779	0.0726	47.3	43.1	42.2	28.6	4.0	4.0	1145.0	2290.0	1445.7	40	28.6	4.0
2124AZ1_92	975	557	0.6	0.0325	0.0055	0.0044	0.0002	0.0530	0.0092	32.5	5.4	5.4	28.6	1.6	1.6	328.3	420.9	372.4	12	28.6	1.6
2124AZ1_4	23	8	0.4	0.1457	0.1793	0.0046	0.0018	0.2312	0.2976	138.1	165.5	153.0	29.4	11.4	11.4	3060.3	3611.5	1542.9	79	29.4	11.4
2124AZ1_13	53	23	0.4	0.0470	0.0515	0.0047	0.0010	0.0721	0.0798	46.6	50.6	49.4	30.4	6.4	6.4	989.0	1978.0	1686.0	35	30.4	6.4
2124AZ1_60	208	79	0.4	0.0356	0.0149	0.0048	0.0004	0.0537	0.0227	35.5	14.7	14.6	30.9	2.5	2.5	356.5	712.9	836.7	13	30.9	2.5
2124AZ1_56	40	15	0.4	0.0659	0.0780	0.0049	0.0009	0.0975	0.1168	64.8	75.7	73.0	31.5	5.7	5.7	1576.9	3153.8	1669.3	51	31.5	5.7

2124AZ1_18	34	13	0.4	0.0682	0.0831	0.0051	0.0010	0.0969	0.1195	67.0	80.5	77.5	32.8	6.6	6.5	1565.0	3130.0	1709.0	51	32.8	6.6
2124AZ1_57	103	44	0.4	0.0413	0.0252	0.0052	0.0006	0.0575	0.0355	41.1	24.7	24.4	33.6	3.5	3.5	509.4	1018.9	1128.9	18	33.6	3.5
2124AZ1_38	1100	1773	1.6	0.0383	0.0039	0.0056	0.0002	0.0500	0.0051	38.2	3.8	3.8	35.8	1.5	1.5	194.0	247.5	230.1	6	35.8	1.5
2124AZ1_108	168	84	0.5	0.0421	0.0139	0.0056	0.0003	0.0547	0.0183	41.8	13.5	13.5	35.9	2.1	2.1	399.4	798.8	672.7	14	35.9	2.1
2124AZ1_11	314	162	0.5	0.0454	0.0108	0.0063	0.0005	0.0525	0.0127	45.1	10.5	10.5	40.3	3.0	3.0	308.8	603.8	508.8	11	40.3	3.0
2124AZ1_101	305	218	0.7	0.0450	0.0097	0.0064	0.0003	0.0511	0.0111	44.6	9.4	9.4	41.0	2.0	2.0	243.8	487.6	465.4	8	41.0	2.0
2124AZ1_10	195	70	0.4	0.0495	0.0144	0.0064	0.0009	0.0563	0.0169	49.1	14.0	13.9	41.0	5.6	5.6	463.0	745.4	604.5	16	41.0	5.6
2124AZ1_104	325	118	0.4	0.0605	0.0105	0.0085	0.0003	0.0516	0.0091	59.6	10.1	10.1	54.6	2.0	2.0	266.8	433.5	382.4	8	54.6	2.0
2124AZ1_69	119	21	0.2	0.0595	0.0236	0.0085	0.0006	0.0505	0.0204	58.7	22.8	22.5	54.8	4.1	4.1	219.8	439.5	820.0	7	54.8	4.1
2124AZ1_105	580	320	0.6	0.0652	0.0076	0.0093	0.0003	0.0507	0.0061	64.1	7.2	7.2	59.8	2.0	2.0	228.8	288.1	264.7	7	59.8	2.0
2124AZ1_75	167	65	0.4	0.0707	0.0180	0.0094	0.0006	0.0544	0.0142	69.4	17.1	17.0	60.4	3.9	3.9	388.9	645.5	537.6	13	60.4	3.9
2124AZ1_8	56	15	0.3	0.0870	0.0487	0.0095	0.0018	0.0661	0.0378	84.7	46.0	45.0	61.2	11.3	11.3	809.4	1502.9	1013.1	28	61.2	11.3
2124AZ1_94	128	62	0.5	0.0687	0.0230	0.0098	0.0008	0.0509	0.0173	67.4	22.0	21.7	62.8	5.2	5.2	235.9	471.8	700.5	7	62.8	5.2
2124AZ1_7	67	31	0.5	0.0643	0.0433	0.0098	0.0012	0.0476	0.0322	63.3	41.7	40.9	62.9	7.8	7.8	78.8	157.6	1304.1	1	62.9	7.8
2124AZ1_74	232	101	0.4	0.0711	0.0133	0.0100	0.0005	0.0515	0.0099	69.8	12.6	12.5	64.3	3.0	3.0	261.3	472.4	412.4	8	64.3	3.0
2124AZ1_79	109	44	0.4	0.0783	0.0269	0.0101	0.0007	0.0564	0.0197	76.6	25.5	25.2	64.6	4.5	4.5	468.5	884.5	692.7	16	64.6	4.5
2124AZ1_14	80	37	0.5	0.0814	0.0325	0.0105	0.0014	0.0561	0.0227	79.4	30.7	30.3	67.4	8.8	8.8	458.3	916.6	791.0	15	67.4	8.8
2124AZ1_73	140	72	0.5	0.0741	0.0204	0.0106	0.0006	0.0508	0.0143	72.6	19.4	19.2	67.8	3.7	3.7	233.8	467.7	590.3	7	67.8	3.7
2124AZ1_17	116	69	0.6	0.0841	0.0301	0.0108	0.0008	0.0567	0.0205	82.0	28.3	28.0	69.0	4.8	4.8	478.6	919.2	713.6	16	69.0	4.8
2124AZ1_49	44	24	0.5	0.0916	0.0532	0.0108	0.0011	0.0613	0.0361	89.0	50.1	48.9	69.4	7.1	7.1	651.4	1302.8	1061.2	22	69.4	7.1
2124AZ1_82	163	71	0.4	0.0864	0.0190	0.0113	0.0005	0.0554	0.0124	84.1	17.8	17.6	72.5	3.3	3.3	427.4	541.1	463.0	14	72.5	3.3
2124AZ1_33	305	135	0.4	0.0797	0.0122	0.0114	0.0007	0.0509	0.0080	77.9	11.5	11.4	72.8	4.4	4.4	238.0	385.1	344.3	7	72.8	4.4
2124AZ1_64	465	39	0.1	0.0827	0.0108	0.0116	0.0003	0.0515	0.0068	80.7	10.1	10.1	74.6	2.1	2.1	264.5	319.4	290.8	8	74.6	2.1
2124AZ1_2	5	2	0.4	0.3080	0.5433	0.0119	0.0047	0.1874	0.3386	272.7	472.7	383.2	76.4	30.2	30.2	2719.3	5438.5	2033.2	72	76.4	30.2
2124AZ1_66	203	50	0.2	0.0959	0.0225	0.0122	0.0005	0.0569	0.0135	92.9	20.9	20.7	78.3	3.0	3.0	486.2	570.4	484.0	16	78.3	3.0
2124AZ1_58	15	4	0.2	0.1761	0.1965	0.0135	0.0021	0.0946	0.1066	164.7	177.2	163.0	86.4	13.4	13.4	1520.9	3041.8	1602.7	48	86.4	13.4
2124AZ1_54	126	36	0.3	0.2629	0.0344	0.0355	0.0019	0.0537	0.0071	237.0	27.9	27.5	224.7	11.9	11.9	360.5	312.3	284.7	5	224.7	11.9
2124AZ1_78	557	67	0.1	0.2601	0.0173	0.0361	0.0016	0.0522	0.0034	234.8	14.0	13.9	228.7	10.2	10.2	296.2	151.7	144.9	3	228.7	10.2
2124AZ1_61	268	61	0.2	0.2606	0.0224	0.0367	0.0010	0.0516	0.0046	235.2	18.1	18.0	232.1	6.5	6.5	266.5	209.3	196.6	1	232.1	6.5
2124AZ1_45	208	160	0.8	0.2990	0.0300	0.0403	0.0023	0.0537	0.0054	265.6	23.6	23.3	255.0	14.3	14.3	360.4	236.4	220.2	4	255.0	14.3
2124AZ1_109	126	90	0.7	0.4337	0.0339	0.0573	0.0015	0.0549	0.0044	365.8	24.2	23.9	359.3	9.2	9.2	407.0	184.4	174.4	2	359.3	9.2
2124AZ1_16	196	152	0.8	0.4450	0.0405	0.0597	0.0028	0.0541	0.0050	373.7	28.7	28.3	373.8	17.3	17.2	373.2	216.5	202.9	0	373.8	17.3
2124AZ1_34	244	187	0.8	0.5469	0.0336	0.0712	0.0028	0.0557	0.0033	443.0	22.2	22.0	443.7	17.1	17.1	439.4	133.8	128.4	0	443.7	17.1
2124AZ1_107	210	83	0.4	0.5579	0.0313	0.0739	0.0024	0.0547	0.0031	450.1	20.5	20.3	459.9	14.3	14.3	400.7	130.1	125.1	-2	459.9	14.3
2124AZ1_21	372	135	0.4	0.6846	0.0452	0.0847	0.0049	0.0586	0.0039	529.5	27.4	27.1	524.4	28.9	28.9	551.7	149.0	142.4	1	524.4	28.9
2124AZ1_24	32	1	0.0	0.7568	0.1215	0.0878	0.0045	0.0625	0.0102	572.2	71.5	69.1	542.6	26.9	26.8	691.5	370.4	331.5	5	542.6	26.9
2124AZ1_103	398	131	0.3	0.7100	0.0305	0.0879	0.0019	0.0586	0.0026	544.8	18.2	18.0	542.9	11.3	11.3	552.3	98.2	95.2	0	542.9	11.3
2124AZ1_28	57	37	0.7	0.7964	0.0886	0.0923	0.0034	0.0626	0.0071	594.8	50.7	49.5	569.4	20.3	20.2	693.1	251.0	232.5	4	569.4	20.3
2124AZ1_70	198	84	0.4	0.7895	0.0475	0.0950	0.0018	0.0602	0.0037	590.9	27.1	26.8	585.3	10.8	10.8	612.4	135.5	129.9	1	585.3	10.8
2124AZ1_99	124	149	1.2	0.8174	0.0586	0.0964	0.0029	0.0615	0.0044	606.6	33.0	32.5	593.2	17.3	17.2	657.1	157.2	149.7	2	593.2	17.3
2124AZ1_41	160	300	1.9	0.8133	0.0509	0.0984	0.0037	0.0600	0.0038	604.3	28.7	28.3	604.8	21.8	21.7	602.6	141.4	135.4	0	604.8	21.8
2124AZ1_44	684	15	0.0	0.8278	0.0270	0.0986	0.0018	0.0609	0.0020	612.4	15.1	14.9	606.2	10.5	10.5	635.1	71.9	70.3	1	606.2	10.5
2124AZ1_65	1249	123	0.1	0.8340	0.0219	0.0997	0.0016	0.0607	0.0016	615.8	12.1	12.1	612.8	9.6	9.6	627.0	58.1	57.0	0	612.8	9.6

2124AZ1_100	240	225	0.9	0.8277	0.0440	0.1002	0.0033	0.0599	0.0032	612.3	24.6	24.3	615.9	19.2	19.1	599.2	116.7	112.5	-1	615.9	19.2
2124AZ1_3	68	18	0.3	0.9124	0.0640	0.1092	0.0045	0.0606	0.0045	658.3	34.2	33.7	667.8	26.3	26.2	625.8	162.6	154.7	-1	667.8	26.3
2124AZ1_59	491	178	0.4	0.9725	0.0360	0.1099	0.0028	0.0642	0.0024	689.8	18.6	18.4	672.1	16.0	16.0	747.8	78.5	76.6	3	672.1	16.0
2124AZ1_19	97	33	0.3	1.0556	0.0865	0.1181	0.0076	0.0648	0.0051	731.6	43.2	42.3	719.8	43.9	43.8	768.0	170.4	161.6	2	719.8	43.9
2124AZ1_15	320	65	0.2	1.1680	0.0502	0.1288	0.0039	0.0658	0.0028	785.7	23.6	23.4	781.0	22.2	22.1	799.0	89.2	86.8	1	781.0	22.2
2124AZ1_86	265	103	0.4	1.2692	0.1034	0.1319	0.0088	0.0698	0.0050	832.0	46.8	45.8	798.9	50.5	50.3	921.5	151.8	144.8	4	798.9	50.5
2124AZ1_95	70	131	1.9	1.3657	0.0850	0.1453	0.0072	0.0682	0.0043	874.3	36.8	36.1	874.7	40.5	40.3	873.5	133.7	128.2	0	874.7	40.5
2124AZ1_25	188	206	1.1	1.5555	0.0755	0.1619	0.0051	0.0697	0.0034	952.7	30.2	29.8	967.3	28.2	28.1	919.1	100.5	97.4	-2	967.3	28.2
2124AZ1_62	143	108	0.8	1.6522	0.0647	0.1671	0.0036	0.0717	0.0030	990.4	24.9	24.6	996.3	20.1	20.1	977.2	86.8	84.5	-1	996.3	20.1
2124AZ1_106	243	89	0.4	1.9119	0.0550	0.1801	0.0030	0.0770	0.0023	1085.2	19.3	19.1	1067.4	16.5	16.4	1121.2	59.0	57.9	2	1067.4	16.5
2124AZ1_91	444	128	0.3	2.1907	0.0699	0.1985	0.0054	0.0801	0.0026	1178.1	22.4	22.1	1167.0	28.9	28.8	1198.4	63.9	62.6	1	1167.0	28.9
2124AZ1_89	281	98	0.3	2.2581	0.0732	0.2020	0.0048	0.0811	0.0026	1199.3	23.0	22.7	1185.9	26.0	25.9	1223.5	64.4	63.0	1	1185.9	26.0
2124AZ1_48	259	4	0.0	3.0882	0.4400	0.2096	0.0219	0.1069	0.0147	1429.8	112.3	106.5	1226.7	117.3	116.3	1746.5	262.8	241.5	14	1226.7	117.3
2124AZ1_102	94	26	0.3	2.4130	0.1145	0.2098	0.0066	0.0834	0.0039	1246.5	34.3	33.8	1227.9	35.4	35.3	1278.6	93.4	90.7	1	1227.9	35.4
2124AZ1_98	874	414	0.5	2.5747	0.0728	0.2218	0.0051	0.0842	0.0023	1293.5	20.8	20.6	1291.6	26.9	26.8	1296.7	54.0	53.0	0	1291.6	26.9
2124AZ1_23	80	30	0.4	2.6510	0.1430	0.2250	0.0095	0.0854	0.0046	1314.9	40.2	39.4	1308.4	49.9	49.7	1325.5	106.9	103.2	0	1308.4	49.9
2124AZ1_42	124	51	0.4	2.6934	0.1463	0.2292	0.0100	0.0852	0.0045	1326.6	40.6	39.8	1330.2	52.5	52.2	1320.8	105.0	101.5	0	1330.2	52.5
2124AZ1_67	100	45	0.4	3.1187	0.1132	0.2476	0.0045	0.0913	0.0034	1437.3	28.1	27.7	1426.3	23.4	23.4	1453.6	72.1	70.4	1	1426.3	23.4
2124AZ1_87	349	103	0.3	3.3789	0.1011	0.2570	0.0069	0.0953	0.0029	1499.5	23.6	23.3	1474.5	35.6	35.5	1535.0	57.9	56.8	2	1474.5	35.6
2124AZ1_50	117	43	0.4	3.9784	0.1652	0.2887	0.0103	0.1000	0.0043	1629.8	34.0	33.4	1634.8	51.9	51.7	1623.3	80.8	78.7	0	1623.3	80.8
2124AZ1_85	124	63	0.5	4.1916	0.1960	0.2924	0.0120	0.1040	0.0046	1672.4	38.7	38.0	1653.7	59.9	59.6	1695.9	82.7	80.5	1	1695.9	82.7
2124AZ1_80	352	62	0.2	4.4674	0.1221	0.3031	0.0065	0.1069	0.0028	1724.9	22.8	22.6	1706.9	32.3	32.2	1746.9	48.9	48.2	1	1746.9	48.9
2124AZ1_53	41	32	0.8	5.2328	0.2965	0.3328	0.0147	0.1140	0.0067	1858.0	48.9	47.7	1851.9	71.4	71.0	1864.8	107.9	104.1	0	1864.8	107.9
2124AZ1_97	101	73	0.7	5.7973	0.2091	0.3492	0.0100	0.1204	0.0042	1946.0	31.5	31.0	1930.6	48.1	47.9	1962.5	62.8	61.5	1	1962.5	62.8
13ECC07 (n=107)																					
2125AZ1_101	115	42	0.4	0.0137	0.0128	0.0015	0.0002	0.0652	0.0614	13.8	12.8	12.8	9.8	1.3	1.4	779.8	1559.6	1531.2	29	9.8	1.3
2125AZ1_79	166	72	0.4	0.0126	0.0091	0.0015	0.0002	0.0600	0.0439	12.7	9.2	9.1	9.8	1.2	1.2	602.9	1205.7	1282.5	23	9.8	1.2
2125AZ1_69	99	36	0.4	0.0134	0.0116	0.0015	0.0002	0.0636	0.0556	13.5	11.6	11.6	9.8	1.2	1.2	727.9	1455.7	1452.7	27	9.8	1.2
2125AZ1_47	23	7	0.3	0.0312	0.0449	0.0016	0.0005	0.1444	0.2118	31.2	44.7	43.7	10.1	3.1	3.1	2280.3	4560.6	1812.6	68	10.1	3.1
2125AZ1_43	179	42	0.2	0.0130	0.0090	0.0016	0.0002	0.0598	0.0418	13.2	9.1	9.0	10.2	1.1	1.1	595.3	1190.5	1235.3	23	10.2	1.1
2125AZ1_50	498	305	0.6	0.0111	0.0028	0.0016	0.0001	0.0504	0.0129	11.2	2.8	2.8	10.3	0.6	0.6	213.0	426.0	546.3	8	10.3	0.6
2125AZ1_9	2018	3766	1.9	0.0121	0.0035	0.0016	0.0001	0.0540	0.0156	12.3	3.5	3.5	10.5	0.6	0.6	371.4	726.4	592.6	14	10.5	0.6
2125AZ1_31	314	226	0.7	0.0124	0.0048	0.0016	0.0001	0.0546	0.0216	12.5	4.8	4.8	10.6	0.8	0.8	395.7	791.4	782.4	15	10.6	0.8
2125AZ1_21	1257	358	0.3	0.0118	0.0023	0.0017	0.0002	0.0511	0.0096	11.9	2.3	2.3	10.7	1.2	1.2	247.0	465.2	406.9	10	10.7	1.2
2125AZ1_82	175	48	0.3	0.0130	0.0084	0.0017	0.0002	0.0563	0.0369	13.1	8.5	8.4	10.8	1.0	1.0	462.9	925.8	1196.1	18	10.8	1.0
2125AZ1_8	1105	367	0.3	0.0114	0.0021	0.0017	0.0002	0.0494	0.0092	11.5	2.2	2.2	10.8	1.0	1.0	164.8	329.6	407.5	6	10.8	1.0
2125AZ1_30	760	209	0.3	0.0115	0.0023	0.0017	0.0001	0.0486	0.0101	11.6	2.4	2.4	11.0	0.8	0.8	130.2	260.4	455.2	5	11.0	0.8
2125AZ1_39	295	78	0.3	0.0124	0.0054	0.0017	0.0002	0.0518	0.0230	12.5	5.4	5.4	11.2	1.2	1.2	277.2	554.5	882.9	11	11.2	1.2
2125AZ1_36	124	26	0.2	0.0149	0.0118	0.0017	0.0003	0.0622	0.0497	15.0	11.8	11.7	11.2	1.7	1.7	679.9	1359.8	1361.6	25	11.2	1.7
2125AZ1_12	163	82	0.5	0.0136	0.0064	0.0018	0.0002	0.0555	0.0268	13.7	6.5	6.4	11.4	1.0	1.0	433.2	866.4	926.5	17	11.4	1.0
2125AZ1_98	77	20	0.3	0.0204	0.0199	0.0018	0.0003	0.0834	0.0823	20.5	19.9	19.7	11.4	1.8	1.8	1278.4	2556.8	1487.7	44	11.4	1.8
2125AZ1_28	189	97	0.5	0.0129	0.0067	0.0018	0.0002	0.0524	0.0276	13.0	6.7	6.7	11.5	1.1	1.1	301.6	603.2	1020.0	12	11.5	1.1
2125AZ1_67	66	17	0.2	0.0184	0.0195	0.0018	0.0003	0.0737	0.0788	18.5	19.5	19.3	11.7	1.8	1.8	1033.8	2067.6	1632.0	37	11.7	1.8

2125AZ1_75	78	40	0.5	0.0185	0.0166	0.0018	0.0003	0.0740	0.0673	18.6	16.6	16.4	11.7	2.0	2.0	1042.3	2084.7	1436.8	37	11.7	2.0
2125AZ1_96	131	29	0.2	0.0149	0.0102	0.0018	0.0002	0.0595	0.0409	15.1	10.2	10.1	11.7	1.2	1.2	585.3	1170.5	1220.5	22	11.7	1.2
2125AZ1_37	59	24	0.4	0.0177	0.0222	0.0018	0.0003	0.0694	0.0880	17.8	22.3	22.1	11.9	2.0	2.0	910.9	1821.9	1887.6	33	11.9	2.0
2125AZ1_77	26	15	0.6	0.0388	0.0523	0.0019	0.0006	0.1444	0.1995	38.6	51.8	50.5	12.5	3.8	3.8	2280.9	4561.9	1733.1	68	12.5	3.8
2125AZ1_24	124	44	0.4	0.0196	0.0130	0.0020	0.0002	0.0718	0.0482	19.7	13.0	12.9	12.7	1.3	1.3	981.0	1789.3	1130.1	35	12.7	1.3
2125AZ1_40	408	331	0.8	0.0161	0.0037	0.0024	0.0001	0.0488	0.0113	16.2	3.7	3.6	15.4	0.7	0.7	139.1	278.3	502.3	5	15.4	0.7
2125AZ1_34	445	419	0.9	0.0200	0.0073	0.0025	0.0002	0.0588	0.0218	20.1	7.3	7.3	15.9	1.1	1.1	560.1	932.9	720.9	21	15.9	1.1
2125AZ1_46	55	20	0.4	0.0346	0.0343	0.0028	0.0006	0.0908	0.0922	34.6	34.0	33.4	17.8	4.0	4.0	1442.4	2884.8	1491.8	48	17.8	4.0
2125AZ1_104	182	100	0.5	0.0205	0.0088	0.0028	0.0001	0.0534	0.0231	20.6	8.8	8.7	17.9	0.9	0.9	345.6	691.1	852.7	13	17.9	0.9
2125AZ1_44	71	39	0.6	0.0278	0.0275	0.0028	0.0004	0.0721	0.0721	27.8	27.4	27.0	18.0	2.5	2.5	987.5	1975.0	1560.9	35	18.0	2.5
2125AZ1_85	151	91	0.6	0.0219	0.0097	0.0028	0.0002	0.0560	0.0251	22.0	9.7	9.7	18.3	1.0	1.0	454.2	908.5	863.7	17	18.3	1.0
2125AZ1_38	50	20	0.4	0.0281	0.0233	0.0029	0.0003	0.0710	0.0594	28.1	23.1	22.9	18.5	2.1	2.1	956.7	1913.4	1358.9	34	18.5	2.1
2125AZ1_65	52	13	0.3	0.0343	0.0259	0.0029	0.0003	0.0862	0.0658	34.2	25.6	25.2	18.6	2.2	2.2	1343.7	2002.1	1200.1	46	18.6	2.2
2125AZ1_84	58	23	0.4	0.0287	0.0253	0.0029	0.0003	0.0718	0.0638	28.7	25.1	24.8	18.7	2.2	2.2	978.9	1957.8	1423.1	35	18.7	2.2
2125AZ1_76	78	27	0.3	0.0226	0.0176	0.0029	0.0003	0.0562	0.0442	22.7	17.6	17.4	18.8	2.2	2.2	458.4	916.8	1390.2	17	18.8	2.2
2125AZ1_97	42	16	0.4	0.0357	0.0318	0.0030	0.0006	0.0875	0.0795	35.6	31.4	30.9	19.1	3.6	3.6	1370.9	2569.4	1377.6	47	19.1	3.6
2125AZ1_66	36	13	0.4	0.0349	0.0295	0.0030	0.0005	0.0853	0.0735	34.8	29.1	28.7	19.1	3.3	3.3	1321.3	2393.0	1328.3	45	19.1	3.3
2125AZ1_57	140	68	0.5	0.0237	0.0132	0.0032	0.0003	0.0532	0.0300	23.7	13.2	13.1	20.8	1.8	1.8	338.6	677.2	1075.4	13	20.8	1.8
2125AZ1_102	48	12	0.2	0.0319	0.0371	0.0033	0.0004	0.0708	0.0827	31.9	36.8	36.2	21.0	2.5	2.5	952.7	1905.4	1765.5	34	21.0	2.5
2125AZ1_64	53	28	0.5	0.0324	0.0262	0.0035	0.0003	0.0664	0.0541	32.4	25.9	25.6	22.7	2.2	2.2	820.4	1640.7	1355.5	30	22.7	2.2
2125AZ1_62	86	23	0.3	0.0299	0.0174	0.0037	0.0003	0.0581	0.0341	29.9	17.2	17.1	24.0	1.9	1.9	533.3	1066.5	1077.6	20	24.0	1.9
2125AZ1_110	54	18	0.3	0.0358	0.0295	0.0041	0.0005	0.0625	0.0522	35.7	29.1	28.7	26.7	3.3	3.3	692.7	1385.4	1406.9	25	26.7	3.3
2125AZ1_90	28	8	0.3	0.0435	0.0719	0.0042	0.0008	0.0756	0.1258	43.2	71.2	68.8	26.8	5.1	5.1	1085.6	2171.2	2246.5	38	26.8	5.1
2125AZ1_16	46	15	0.3	0.0352	0.0267	0.0042	0.0005	0.0611	0.0468	35.1	26.4	26.0	26.9	3.0	3.0	642.0	1284.1	1322.6	23	26.9	3.0
2125AZ1_7	240	192	0.8	0.0317	0.0080	0.0043	0.0002	0.0533	0.0136	31.7	7.9	7.8	27.7	1.3	1.3	341.1	637.7	532.4	12	27.7	1.3
2125AZ1_100	112	37	0.3	0.0335	0.0096	0.0044	0.0003	0.0547	0.0160	33.4	9.5	9.4	28.6	1.6	1.6	399.2	732.4	596.3	15	28.6	1.6
2125AZ1_49	163	53	0.3	0.0362	0.0141	0.0045	0.0004	0.0585	0.0229	36.1	13.9	13.8	28.9	2.8	2.8	550.1	991.1	755.3	20	28.9	2.8
2125AZ1_80	130	45	0.3	0.0342	0.0099	0.0045	0.0003	0.0549	0.0162	34.1	9.8	9.7	29.0	1.7	1.7	408.9	739.3	600.9	15	29.0	1.7
2125AZ1_3	25	8	0.3	0.0472	0.0539	0.0046	0.0009	0.0750	0.0869	46.9	53.0	51.6	29.4	5.8	5.8	1068.3	2136.6	1728.4	37	29.4	5.8
2125AZ1_32	2282	2610	1.1	0.0311	0.0026	0.0047	0.0003	0.0479	0.0037	31.1	2.5	2.5	30.3	1.9	1.9	94.8	189.4	179.3	3	30.3	1.9
2125AZ1_10	31	10	0.3	0.0592	0.0517	0.0049	0.0007	0.0885	0.0783	58.4	50.2	49.0	31.2	4.5	4.5	1393.5	2457.5	1344.9	47	31.2	4.5
2125AZ1_17	383	259	0.7	0.0331	0.0053	0.0049	0.0004	0.0491	0.0080	33.0	5.2	5.2	31.4	2.7	2.7	153.7	307.3	361.6	5	31.4	2.7
2125AZ1_108	716	414	0.6	0.0334	0.0038	0.0049	0.0002	0.0490	0.0058	33.4	3.7	3.7	31.8	1.3	1.3	146.7	287.7	264.4	5	31.8	1.3
2125AZ1_33	615	349	0.6	0.0337	0.0036	0.0050	0.0002	0.0491	0.0054	33.6	3.5	3.5	32.0	1.2	1.2	151.4	266.2	246.2	5	32.0	1.2
2125AZ1_81	55	15	0.3	0.0395	0.0257	0.0050	0.0005	0.0568	0.0374	39.3	25.3	25.0	32.4	3.0	3.0	485.3	970.5	1196.2	18	32.4	3.0
2125AZ1_72	83	34	0.4	0.0386	0.0160	0.0051	0.0003	0.0544	0.0229	38.4	15.7	15.6	33.1	2.2	2.2	388.1	776.2	826.2	14	33.1	2.2
2125AZ1_25	434	340	0.8	0.0369	0.0053	0.0052	0.0001	0.0511	0.0075	36.8	5.2	5.2	33.7	1.0	1.0	245.4	355.7	320.6	8	33.7	1.0
2125AZ1_61	109	50	0.5	0.0390	0.0176	0.0053	0.0003	0.0533	0.0243	38.8	17.3	17.1	34.1	2.1	2.1	341.4	682.9	894.0	12	34.1	2.1
2125AZ1_55	152	46	0.3	0.0458	0.0151	0.0054	0.0003	0.0621	0.0208	45.5	14.8	14.6	34.4	2.2	2.2	676.3	810.6	644.8	24	34.4	2.2
2125AZ1_63	164	99	0.6	0.0364	0.0100	0.0054	0.0003	0.0492	0.0137	36.3	9.8	9.7	34.5	1.8	1.8	157.9	315.9	592.4	5	34.5	1.8
2125AZ1_6	395	265	0.7	0.0402	0.0058	0.0057	0.0002	0.0508	0.0074	40.1	5.6	5.6	36.9	1.3	1.3	233.9	356.0	320.9	8	36.9	1.3
2125AZ1_52	108	56	0.5	0.0420	0.0123	0.0059	0.0003	0.0520	0.0154	41.8	12.0	11.9	37.7	2.2	2.2	287.5	575.0	613.9	10	37.7	2.2
2125AZ1_54	20	6	0.3	0.0537	0.0790	0.0059	0.0013	0.0661	0.0983	53.1	77.6	74.8	37.8	8.0	8.0	810.0	1620.0	2147.6	29	37.8	8.0

2125AZ1_89	86	46	0.5	0.0478	0.0246	0.0059	0.0003	0.0587	0.0303	47.4	24.0	23.7	38.0	2.1	2.1	557.0	1113.9	963.4	20	38.0	2.1
2125AZ1_5	328	222	0.7	0.0432	0.0091	0.0059	0.0003	0.0528	0.0113	43.0	8.9	8.8	38.2	2.0	2.0	320.1	525.9	452.3	11	38.2	2.0
2125AZ1_59	104	41	0.4	0.0421	0.0158	0.0061	0.0004	0.0499	0.0190	41.8	15.5	15.4	39.3	2.7	2.7	191.3	382.5	784.0	6	39.3	2.7
2125AZ1_83	115	30	0.3	0.0461	0.0135	0.0066	0.0004	0.0506	0.0151	45.7	13.2	13.1	42.4	2.5	2.5	224.0	447.9	625.3	7	42.4	2.5
2125AZ1_99	118	31	0.3	0.0467	0.0135	0.0066	0.0003	0.0511	0.0149	46.3	13.1	13.0	42.6	1.9	1.9	245.4	490.9	609.4	8	42.6	1.9
2125AZ1_68	102	26	0.3	0.0483	0.0125	0.0067	0.0003	0.0525	0.0137	47.9	12.1	12.0	42.9	1.8	1.8	306.8	613.6	544.7	10	42.9	1.8
2125AZ1_4	26	7	0.3	0.0871	0.0752	0.0067	0.0011	0.0943	0.0827	84.8	71.4	69.0	43.0	6.8	6.8	1514.7	2375.3	1316.6	49	43.0	6.8
2125AZ1_56	652	527	0.8	0.0462	0.0044	0.0070	0.0002	0.0480	0.0046	45.8	4.2	4.2	44.8	1.5	1.5	97.1	194.2	221.5	2	44.8	1.5
2125AZ1_58	104	18	0.2	0.0534	0.0156	0.0071	0.0004	0.0546	0.0162	52.8	15.1	15.0	45.5	2.5	2.5	396.2	743.6	603.8	14	45.5	2.5
2125AZ1_103	122	39	0.3	0.0513	0.0127	0.0072	0.0003	0.0515	0.0129	50.7	12.3	12.2	46.4	2.2	2.2	263.4	526.9	530.5	9	46.4	2.2
2125AZ1_2	1929	2187	1.1	0.0541	0.0030	0.0081	0.0003	0.0482	0.0026	53.5	2.9	2.9	52.3	1.7	1.7	107.4	129.5	124.6	2	52.3	1.7
2125AZ1_87	43	15	0.3	0.0618	0.0313	0.0083	0.0007	0.0542	0.0279	60.9	30.1	29.7	53.0	4.8	4.8	380.0	760.0	986.0	13	53.0	4.8
2125AZ1_74	64	25	0.4	0.0641	0.0300	0.0083	0.0008	0.0561	0.0268	63.1	28.8	28.4	53.2	5.3	5.3	456.1	912.1	913.6	16	53.2	5.3
2125AZ1_20	146	126	0.9	0.0604	0.0130	0.0086	0.0005	0.0508	0.0111	59.6	12.4	12.4	55.4	3.4	3.4	232.4	464.9	469.2	7	55.4	3.4
2125AZ1_19	152	128	0.8	0.0621	0.0125	0.0090	0.0005	0.0499	0.0102	61.1	11.9	11.9	57.9	2.9	2.9	190.5	381.0	442.0	5	57.9	2.9
2125AZ1_13	481	207	0.4	0.0687	0.0056	0.0103	0.0003	0.0486	0.0040	67.4	5.3	5.3	65.7	1.7	1.7	127.9	200.6	189.0	3	65.7	1.7
2125AZ1_73	190	107	0.6	0.0777	0.0103	0.0113	0.0004	0.0497	0.0067	75.9	9.7	9.7	72.7	2.6	2.6	178.9	331.7	301.1	4	72.7	2.6
2125AZ1_70	40	17	0.4	0.0864	0.0294	0.0114	0.0008	0.0549	0.0190	84.1	27.6	27.3	73.2	5.2	5.2	407.0	813.9	694.6	13	73.2	5.2
2125AZ1_41	329	153	0.5	0.0847	0.0089	0.0121	0.0009	0.0506	0.0054	82.6	8.4	8.3	77.8	5.5	5.5	221.7	257.6	238.7	6	77.8	5.5
2125AZ1_51	132	31	0.2	0.0880	0.0165	0.0127	0.0008	0.0504	0.0096	85.7	15.5	15.3	81.1	5.1	5.1	214.6	429.2	413.4	5	81.1	5.1
2125AZ1_18	110	74	0.7	0.0911	0.0151	0.0128	0.0005	0.0516	0.0087	88.5	14.1	14.0	82.0	3.1	3.1	268.7	412.5	365.9	7	82.0	3.1
2125AZ1_71	119	67	0.6	0.0958	0.0163	0.0136	0.0005	0.0512	0.0088	92.9	15.1	15.0	86.8	3.0	3.0	250.6	422.2	373.7	6	86.8	3.0
2125AZ1_78	247	72	0.3	0.0993	0.0109	0.0147	0.0004	0.0489	0.0054	96.2	10.1	10.0	94.2	2.6	2.6	144.9	271.9	251.1	2	94.2	2.6
2125AZ1_95	50	14	0.3	0.1322	0.0355	0.0176	0.0011	0.0545	0.0149	126.1	32.1	31.6	112.5	6.7	6.7	389.7	681.4	562.2	11	112.5	6.7
2125AZ1_107	98	20	0.2	0.2507	0.0266	0.0349	0.0012	0.0521	0.0057	227.1	21.7	21.4	221.3	7.6	7.6	287.8	260.2	240.9	3	221.3	7.6
2125AZ1_86	104	61	0.6	0.3042	0.0232	0.0412	0.0010	0.0535	0.0042	269.7	18.2	18.0	260.4	6.2	6.2	351.0	181.3	171.7	3	260.4	6.2
2125AZ1_1	223	669	3.0	0.4742	0.0292	0.0611	0.0025	0.0563	0.0034	394.1	20.2	20.0	382.5	15.4	15.4	462.6	135.6	130.1	3	382.5	15.4
2125AZ1_11	266	39	0.1	0.7022	0.0237	0.0867	0.0015	0.0587	0.0020	540.1	14.2	14.1	536.1	8.7	8.7	556.8	75.8	74.0	1	536.1	8.7
2125AZ1_42	119	82	0.7	0.7644	0.0543	0.0919	0.0057	0.0603	0.0043	576.5	31.5	31.0	567.0	33.7	33.6	614.1	157.6	150.2	2	567.0	33.7
2125AZ1_60	312	74	0.2	0.7799	0.0264	0.0926	0.0019	0.0611	0.0021	585.4	15.1	15.0	571.0	11.1	11.1	641.6	74.5	72.8	2	571.0	11.1
2125AZ1_15	86	232	2.7	0.7861	0.0426	0.0943	0.0033	0.0604	0.0034	589.0	24.4	24.1	581.2	19.6	19.6	619.2	125.5	120.7	1	581.2	19.6
2125AZ1_91	243	49	0.2	0.8244	0.0301	0.0991	0.0019	0.0604	0.0022	610.5	16.8	16.7	609.0	11.3	11.3	616.3	80.1	78.2	0	609.0	11.3
2125AZ1_26	120	45	0.4	0.8591	0.0400	0.1023	0.0021	0.0609	0.0029	629.7	22.0	21.7	627.8	12.1	12.1	636.2	104.3	100.9	0	627.8	12.1
2125AZ1_35	92	30	0.3	0.9138	0.0482	0.1087	0.0022	0.0610	0.0033	659.1	25.7	25.4	665.0	12.7	12.7	639.0	117.2	113.0	-1	665.0	12.7
2125AZ1_27	153	33	0.2	1.2945	0.0440	0.1373	0.0025	0.0684	0.0024	843.3	19.6	19.4	829.5	14.0	14.0	879.8	72.2	70.6	2	829.5	14.0
2125AZ1_106	123	36	0.3	1.2739	0.0413	0.1376	0.0025	0.0672	0.0023	834.1	18.5	18.4	831.0	14.3	14.3	842.4	71.0	69.4	0	831.0	14.3
2125AZ1_29	324	93	0.3	1.5846	0.0557	0.1611	0.0049	0.0713	0.0025	964.2	22.0	21.7	962.9	27.3	27.2	967.0	71.9	70.3	0	962.9	27.3
2125AZ1_48	178	62	0.3	1.8122	0.0681	0.1739	0.0052	0.0756	0.0029	1049.9	24.7	24.4	1033.3	28.4	28.4	1084.5	79.2	77.2	2	1033.3	28.4
2125AZ1_22	203	27	0.1	2.4493	0.0841	0.2209	0.0050	0.0804	0.0029	1257.2	24.9	24.6	1286.5	26.5	26.5	1207.5	73.0	71.3	-2	1286.5	26.5
2125AZ1_88	271	8	0.0	2.9677	0.0685	0.2400	0.0043	0.0897	0.0021	1399.4	17.6	17.5	1386.7	22.3	22.2	1418.8	45.7	45.0	1	1386.7	22.3
2125AZ1_23	236	128	0.5	2.9325	0.0745	0.2406	0.0039	0.0884	0.0022	1390.3	19.3	19.2	1389.9	20.1	20.1	1391.0	48.0	47.2	0	1389.9	20.1
2125AZ1_93	70	46	0.7	3.1348	0.1155	0.2519	0.0057	0.0902	0.0034	1441.3	28.6	28.2	1448.5	29.4	29.3	1430.7	73.5	71.7	0	1448.5	29.4
2125AZ1_92	152	89	0.6	3.5713	0.2835	0.2565	0.0162	0.1010	0.0074	1543.2	64.0	62.0	1472.2	83.4	82.9	1641.9	139.3	133.1	5	1472.2	83.4

2125AZ1_53	282	150	0.5	3.5386	0.1154	0.2614	0.0080	0.0982	0.0031	1535.9	26.0	25.7	1496.8	40.8	40.7	1590.2	58.8	57.7	3	1496.8	40.8
2125AZ1_109	121	34	0.3	3.5050	0.0965	0.2649	0.0051	0.0960	0.0027	1528.3	21.9	21.6	1514.8	26.2	26.1	1547.1	52.6	51.7	1	1547.1	52.6
2125AZ1_105	202	42	0.2	5.2891	0.3257	0.3313	0.0168	0.1158	0.0073	1867.1	53.3	51.9	1844.7	81.5	81.0	1892.1	115.0	110.7	1	1892.1	115.0
13ECC08 (n=110)																					
2126AZ1_51	31	8	0.3	0.0241	0.0403	0.0011	0.0004	0.1666	0.2854	24.1	40.4	39.6	6.8	2.4	2.4	2523.3	5046.7	1988.0	72	6.8	2.4
2126AZ1_9	27	7	0.3	0.0214	0.0374	0.0010	0.0003	0.1481	0.2630	21.5	37.5	36.8	6.8	2.2	2.2	2324.0	4648.0	2073.0	69	6.8	2.2
2126AZ1_39	27	6	0.2	0.0354	0.0578	0.0011	0.0005	0.2359	0.4030	35.3	57.5	55.9	7.0	3.5	3.5	3092.8	6185.7	1900.5	80	7.0	3.5
2126AZ1_2	23	5	0.2	0.0308	0.0538	0.0011	0.0005	0.2027	0.3656	30.8	53.7	52.3	7.1	3.2	3.2	2848.4	5696.7	2010.7	77	7.1	3.2
2126AZ1_105	31	8	0.3	0.0282	0.0441	0.0013	0.0004	0.1595	0.2546	28.2	44.0	43.1	8.3	2.6	2.6	2450.5	4900.9	1900.0	71	8.3	2.6
2126AZ1_101	190	127	0.7	0.0120	0.0080	0.0013	0.0002	0.0673	0.0451	12.1	8.0	8.0	8.3	1.1	1.1	845.6	1691.3	1150.6	31	8.3	1.1
2126AZ1_88	89	28	0.3	0.0127	0.0161	0.0013	0.0002	0.0700	0.0896	12.8	16.2	16.1	8.5	1.5	1.5	929.5	1859.0	1896.2	34	8.5	1.5
2126AZ1_66	191	128	0.7	0.0125	0.0078	0.0013	0.0002	0.0684	0.0432	12.6	7.8	7.8	8.5	1.1	1.1	882.2	1679.9	1088.2	32	8.5	1.1
2126AZ1_32	76	23	0.3	0.0115	0.0150	0.0013	0.0002	0.0623	0.0814	11.6	15.1	15.0	8.7	1.4	1.4	683.9	1367.8	1988.9	26	8.7	1.4
2126AZ1_78	193	99	0.5	0.0113	0.0074	0.0014	0.0002	0.0591	0.0392	11.4	7.4	7.4	8.9	1.0	1.0	569.6	1139.1	1189.3	22	8.9	1.0
2126AZ1_26	166	84	0.5	0.0109	0.0064	0.0014	0.0001	0.0567	0.0339	11.0	6.5	6.5	9.0	0.9	0.9	480.8	961.6	1102.3	18	9.0	0.9
2126AZ1_41	25	6	0.2	0.0330	0.0401	0.0015	0.0004	0.1647	0.2058	33.0	39.8	39.0	9.4	2.8	2.8	2504.8	3673.3	1574.8	72	9.4	2.8
2126AZ1_91	84	23	0.3	0.0164	0.0165	0.0015	0.0002	0.0817	0.0831	16.5	16.6	16.4	9.4	1.4	1.4	1238.4	2476.8	1531.6	43	9.4	1.4
2126AZ1_35	72	19	0.3	0.0152	0.0151	0.0015	0.0002	0.0752	0.0753	15.3	15.1	15.0	9.4	1.2	1.2	1075.0	2150.0	1543.7	38	9.4	1.2
2126AZ1_72	29	6	0.2	0.0307	0.0442	0.0015	0.0005	0.1517	0.2232	30.7	44.0	43.1	9.5	2.9	2.9	2365.5	4731.0	1802.6	69	9.5	2.9
2126AZ1_22	25	5	0.2	0.0290	0.0399	0.0015	0.0004	0.1431	0.2007	29.0	39.7	39.0	9.5	2.6	2.6	2264.5	4529.0	1755.5	67	9.5	2.6
2126AZ1_73	431	198	0.5	0.0104	0.0044	0.0015	0.0002	0.0509	0.0219	10.5	4.4	4.4	9.5	1.1	1.1	238.0	476.0	865.2	9	9.5	1.1
2126AZ1_86	68	22	0.3	0.0167	0.0198	0.0015	0.0003	0.0811	0.0972	16.8	19.8	19.7	9.6	1.7	1.7	1223.5	2447.0	1740.0	43	9.6	1.7
2126AZ1_79	123	71	0.6	0.0160	0.0113	0.0015	0.0002	0.0775	0.0555	16.1	11.3	11.3	9.6	1.0	1.0	1133.4	1901.9	1169.4	40	9.6	1.0
2126AZ1_3	22	5	0.2	0.0305	0.0370	0.0015	0.0004	0.1471	0.1825	30.5	36.8	36.1	9.7	2.5	2.5	2312.0	3734.7	1593.4	68	9.7	2.5
2126AZ1_80	83	39	0.5	0.0186	0.0199	0.0015	0.0002	0.0892	0.0960	18.7	20.0	19.8	9.8	1.1	1.1	1407.8	2815.6	1567.7	48	9.8	1.1
2126AZ1_67	202	89	0.4	0.0117	0.0060	0.0015	0.0002	0.0557	0.0289	11.8	6.0	6.0	9.8	1.4	1.4	439.2	878.3	986.0	17	9.8	1.4
2126AZ1_30	58	19	0.3	0.0162	0.0184	0.0015	0.0002	0.0771	0.0882	16.3	18.5	18.3	9.8	1.6	1.6	1123.5	2246.9	1700.6	40	9.8	1.6
2126AZ1_10	263	128	0.5	0.0114	0.0040	0.0015	0.0001	0.0540	0.0192	11.5	4.0	4.0	9.9	0.6	0.6	370.8	741.7	714.2	14	9.9	0.6
2126AZ1_54	306	152	0.5	0.0110	0.0043	0.0015	0.0001	0.0518	0.0206	11.1	4.3	4.3	9.9	0.7	0.7	276.6	553.2	800.5	11	9.9	0.7
2126AZ1_21	48	18	0.4	0.0194	0.0262	0.0015	0.0003	0.0913	0.1246	19.5	26.2	25.9	9.9	2.1	2.1	1452.9	2905.8	1867.2	49	9.9	2.1
2126AZ1_99	203	89	0.4	0.0120	0.0063	0.0015	0.0002	0.0565	0.0299	12.1	6.3	6.3	9.9	1.5	1.5	473.0	945.9	996.1	18	9.9	1.5
2126AZ1_94	307	152	0.5	0.0110	0.0045	0.0016	0.0001	0.0516	0.0212	11.1	4.5	4.5	10.0	0.7	0.7	268.4	536.9	826.6	10	10.0	0.7
2126AZ1_27	72	33	0.5	0.0175	0.0180	0.0016	0.0002	0.0820	0.0846	17.6	18.0	17.9	10.0	1.0	1.0	1245.6	2491.2	1546.8	43	10.0	1.0
2126AZ1_71	56	22	0.4	0.0207	0.0296	0.0016	0.0004	0.0969	0.1404	20.8	29.6	29.2	10.0	2.4	2.4	1565.5	3131.0	1926.8	52	10.0	2.4
2126AZ1_18	172	74	0.4	0.0115	0.0057	0.0016	0.0002	0.0538	0.0269	11.6	5.7	5.7	10.0	1.3	1.3	361.6	723.1	967.6	14	10.0	1.3
2126AZ1_56	82	19	0.2	0.0181	0.0187	0.0016	0.0002	0.0832	0.0865	18.2	18.7	18.5	10.1	1.2	1.2	1273.3	2546.6	1551.5	44	10.1	1.2
2126AZ1_53	29	8	0.3	0.0352	0.0424	0.0016	0.0006	0.1553	0.1956	35.1	42.0	41.1	10.6	3.9	3.9	2405.5	3786.5	1597.9	70	10.6	3.9
2126AZ1_92	44	14	0.3	0.0204	0.0271	0.0017	0.0004	0.0890	0.1198	20.5	27.2	26.8	10.7	2.3	2.3	1404.5	2809.0	1858.3	48	10.7	2.3
2126AZ1_95	46	10	0.2	0.0309	0.0347	0.0017	0.0003	0.1348	0.1535	30.9	34.4	33.9	10.7	2.2	2.2	2161.6	3258.3	1511.8	65	10.7	2.2
2126AZ1_60	46	10	0.2	0.0305	0.0369	0.0017	0.0004	0.1312	0.1611	30.5	36.7	36.1	10.9	2.3	2.3	2114.0	3779.6	1610.0	64	10.9	2.3
2126AZ1_55	45	12	0.3	0.0250	0.0339	0.0017	0.0004	0.1054	0.1454	25.1	33.9	33.3	11.1	2.8	2.8	1721.2	3442.5	1827.9	56	11.1	2.8
2126AZ1_65	40	11	0.3	0.0328	0.0359	0.0017	0.0004	0.1381	0.1538	32.8	35.6	35.0	11.1	2.6	2.6	2203.1	3116.0	1480.5	66	11.1	2.6
2126AZ1_69	31	6	0.2	0.0314	0.0480	0.0017	0.0005	0.1316	0.2041	31.4	47.8	46.7	11.2	3.3	3.3	2118.8	4237.5	1916.2	64	11.2	3.3

2126AZ1_19	27	5	0.2	0.0298	0.0435	0.0017	0.0005	0.1245	0.1845	29.8	43.4	42.5	11.2	2.9	2.9	2022.1	4044.2	1869.3	63	11.2	2.9
2126AZ1_24	84	29	0.3	0.0139	0.0123	0.0018	0.0002	0.0576	0.0515	14.0	12.4	12.3	11.3	1.3	1.3	513.2	1026.3	1526.2	20	11.3	1.3
2126AZ1_83	163	76	0.5	0.0119	0.0095	0.0018	0.0002	0.0486	0.0387	12.0	9.5	9.5	11.5	1.1	1.1	127.2	254.5	1478.6	5	11.5	1.1
2126AZ1_28	140	64	0.5	0.0115	0.0087	0.0018	0.0002	0.0463	0.0353	11.6	8.8	8.7	11.6	1.0	1.0	15.0	30.0	1453.5	0	11.6	1.0
2126AZ1_11	39	10	0.3	0.0245	0.0312	0.0018	0.0004	0.0984	0.1274	24.6	31.2	30.7	11.6	2.5	2.5	1593.9	3187.8	1767.2	53	11.6	2.5
2126AZ1_17	35	9	0.3	0.0296	0.0336	0.0018	0.0004	0.1191	0.1369	29.7	33.4	32.9	11.6	2.4	2.4	1942.7	3434.9	1555.9	61	11.6	2.4
2126AZ1_76	97	34	0.4	0.0147	0.0138	0.0018	0.0002	0.0589	0.0559	14.8	13.9	13.8	11.7	1.4	1.4	565.2	1130.5	1585.0	21	11.7	1.4
2126AZ1_98	40	11	0.3	0.0326	0.0368	0.0019	0.0004	0.1282	0.1468	32.6	36.5	35.9	11.9	2.7	2.7	2073.1	3338.8	1531.5	64	11.9	2.7
2126AZ1_74	24	6	0.3	0.0383	0.0660	0.0019	0.0005	0.1473	0.2570	38.1	65.6	63.5	12.1	3.3	3.3	2315.0	4630.0	2048.8	68	12.1	3.3
2126AZ1_93	84	32	0.4	0.0194	0.0167	0.0019	0.0002	0.0738	0.0643	19.5	16.7	16.6	12.3	1.6	1.6	1035.3	2070.6	1390.1	37	12.3	1.6
2126AZ1_44	133	84	0.6	0.0150	0.0087	0.0019	0.0002	0.0564	0.0330	15.1	8.7	8.7	12.4	1.2	1.2	469.7	939.4	1085.3	18	12.4	1.2
2126AZ1_45	84	32	0.4	0.0191	0.0171	0.0019	0.0003	0.0716	0.0648	19.2	17.1	17.0	12.5	1.6	1.6	974.3	1948.5	1443.9	35	12.5	1.6
2126AZ1_58	49	13	0.3	0.0278	0.0284	0.0019	0.0004	0.1040	0.1091	27.8	28.3	27.9	12.5	2.8	2.8	1696.6	3057.0	1487.6	55	12.5	2.8
2126AZ1_36	27	8	0.3	0.0344	0.0494	0.0019	0.0005	0.1286	0.1881	34.3	49.1	48.0	12.5	3.3	3.3	2078.2	4156.5	1842.5	64	12.5	3.3
2126AZ1_4	33	14	0.4	0.0289	0.0350	0.0020	0.0003	0.1039	0.1264	29.0	34.8	34.2	13.0	2.0	2.0	1694.3	3388.5	1668.8	55	13.0	2.0
2126AZ1_43	38	17	0.4	0.0313	0.0393	0.0020	0.0003	0.1115	0.1411	31.3	39.0	38.3	13.1	2.2	2.2	1824.7	3649.3	1694.9	58	13.1	2.2
2126AZ1_12	42	11	0.3	0.0273	0.0272	0.0021	0.0004	0.0958	0.0975	27.4	27.1	26.8	13.3	2.7	2.7	1544.4	2984.1	1477.1	51	13.3	2.7
2126AZ1_106	31	8	0.2	0.0256	0.0451	0.0021	0.0006	0.0875	0.1558	25.6	45.1	44.1	13.7	3.6	3.6	1371.0	2742.0	2280.9	47	13.7	3.6
2126AZ1_40	31	8	0.2	0.0290	0.0447	0.0022	0.0006	0.0962	0.1505	29.0	44.6	43.7	14.1	3.6	3.6	1551.4	3102.7	2040.9	51	14.1	3.6
2126AZ1_63	66	24	0.4	0.0231	0.0182	0.0022	0.0003	0.0763	0.0608	23.2	18.1	18.0	14.1	1.9	1.9	1104.2	2208.5	1280.8	39	14.1	1.9
2126AZ1_81	75	25	0.3	0.0233	0.0252	0.0022	0.0003	0.0763	0.0832	23.3	25.1	24.8	14.2	2.0	2.0	1102.5	2204.9	1644.1	39	14.2	2.0
2126AZ1_102	66	24	0.4	0.0213	0.0186	0.0022	0.0003	0.0697	0.0614	21.4	18.6	18.4	14.3	2.0	2.0	919.0	1838.0	1425.2	33	14.3	2.0
2126AZ1_59	39	11	0.3	0.0383	0.0463	0.0022	0.0005	0.1250	0.1537	38.2	45.8	44.8	14.3	3.2	3.2	2029.1	3843.9	1624.8	63	14.3	3.2
2126AZ1_13	33	9	0.3	0.0360	0.0424	0.0022	0.0005	0.1172	0.1400	35.9	42.0	41.1	14.3	2.9	2.9	1913.8	3711.0	1607.8	60	14.3	2.9
2126AZ1_107	38	11	0.3	0.0353	0.0497	0.0023	0.0005	0.1128	0.1609	35.2	49.4	48.2	14.6	3.4	3.4	1844.9	3689.8	1850.4	59	14.6	3.4
2126AZ1_85	70	33	0.5	0.0239	0.0204	0.0024	0.0003	0.0730	0.0629	24.0	20.3	20.1	15.3	1.8	1.8	1015.2	2030.4	1379.6	36	15.3	1.8
2126AZ1_75	101	42	0.4	0.0199	0.0145	0.0024	0.0003	0.0597	0.0438	20.0	14.5	14.4	15.6	1.8	1.8	591.9	1183.8	1287.8	22	15.6	1.8
2126AZ1_96	101	42	0.4	0.0193	0.0144	0.0025	0.0003	0.0571	0.0428	19.5	14.4	14.3	15.8	1.8	1.8	496.9	993.8	1326.2	19	15.8	1.8
2126AZ1_23	87	36	0.4	0.0188	0.0130	0.0025	0.0002	0.0555	0.0386	18.9	13.0	12.9	15.8	1.6	1.6	432.5	864.9	1262.7	16	15.8	1.6
2126AZ1_90	33	12	0.4	0.0310	0.0477	0.0026	0.0006	0.0872	0.1358	31.0	47.5	46.5	16.6	3.8	3.7	1365.7	2731.4	2075.5	46	16.6	3.8
2126AZ1_103	20	5	0.3	0.0449	0.0709	0.0027	0.0007	0.1230	0.1972	44.6	70.1	67.7	17.0	4.8	4.8	1999.8	3999.5	1984.9	62	17.0	4.8
2126AZ1_1	17	4	0.3	0.0380	0.0636	0.0027	0.0007	0.1035	0.1753	37.9	63.2	61.3	17.1	4.3	4.3	1688.4	3376.8	2127.9	55	17.1	4.3
2126AZ1_34	28	11	0.4	0.0303	0.0458	0.0027	0.0006	0.0807	0.1232	30.3	45.7	44.6	17.5	3.6	3.6	1213.1	2426.2	2083.7	42	17.5	3.6
2126AZ1_38	20	5	0.3	0.0413	0.0696	0.0027	0.0007	0.1097	0.1872	41.1	69.0	66.8	17.6	4.7	4.7	1794.1	3588.2	2116.9	57	17.6	4.7
2126AZ1_57	102	19	0.2	0.0262	0.0158	0.0028	0.0002	0.0671	0.0409	26.2	15.7	15.6	18.2	1.6	1.6	840.4	1622.0	1064.8	31	18.2	1.6
2126AZ1_82	476	32	0.1	0.0203	0.0041	0.0029	0.0001	0.0510	0.0105	20.4	4.1	4.1	18.6	0.8	0.8	241.1	482.2	441.5	9	18.6	0.8
2126AZ1_50	67	23	0.3	0.0276	0.0255	0.0029	0.0003	0.0685	0.0639	27.6	25.4	25.1	18.8	2.2	2.2	884.5	1768.9	1496.8	32	18.8	2.2
2126AZ1_8	58	20	0.3	0.0270	0.0225	0.0029	0.0003	0.0669	0.0562	27.1	22.4	22.2	18.8	1.9	1.9	835.1	1670.1	1387.1	30	18.8	1.9
2126AZ1_49	39	13	0.3	0.0385	0.0333	0.0030	0.0005	0.0932	0.0821	38.4	32.8	32.3	19.3	3.5	3.5	1491.4	2402.2	1325.4	50	19.3	3.5
2126AZ1_110	41	24	0.6	0.0426	0.0386	0.0031	0.0005	0.1003	0.0921	42.4	37.9	37.2	19.8	3.2	3.2	1629.8	2497.0	1348.3	53	19.8	3.2
2126AZ1_42	41	24	0.6	0.0440	0.0375	0.0031	0.0005	0.1024	0.0885	43.7	36.8	36.1	20.1	3.1	3.1	1667.4	2267.8	1279.1	54	20.1	3.1
2126AZ1_52	33	9	0.3	0.0434	0.0511	0.0031	0.0007	0.1010	0.1210	43.2	50.4	49.1	20.1	4.5	4.5	1642.8	3285.6	1657.1	54	20.1	4.5
2126AZ1_62	69	32	0.5	0.0271	0.0188	0.0031	0.0004	0.0628	0.0442	27.1	18.7	18.5	20.1	2.5	2.5	701.2	1402.4	1224.0	26	20.1	2.5

2126AZ1_15	60	27	0.5	0.0277	0.0167	0.0031	0.0003	0.0642	0.0392	27.8	16.6	16.4	20.2	2.2	2.2	748.6	1497.1	1079.3	27	20.2	2.2
2126AZ1_100	70	33	0.5	0.0255	0.0174	0.0031	0.0004	0.0589	0.0406	25.6	17.3	17.2	20.2	2.3	2.3	563.7	1127.3	1228.3	21	20.2	2.3
2126AZ1_108	99	74	0.7	0.0259	0.0136	0.0032	0.0003	0.0590	0.0314	26.0	13.5	13.5	20.5	1.8	1.8	565.4	1130.8	987.7	21	20.5	1.8
2126AZ1_6	86	63	0.7	0.0237	0.0132	0.0032	0.0003	0.0534	0.0301	23.7	13.2	13.1	20.7	1.7	1.7	345.3	690.5	1074.2	13	20.7	1.7
2126AZ1_46	69	43	0.6	0.0268	0.0221	0.0032	0.0003	0.0605	0.0502	26.9	22.0	21.8	20.7	2.1	2.1	621.9	1243.9	1416.0	23	20.7	2.1
2126AZ1_47	99	74	0.7	0.0254	0.0140	0.0032	0.0003	0.0571	0.0318	25.5	13.9	13.8	20.8	1.9	1.9	496.3	992.6	1037.0	19	20.8	1.9
2126AZ1_5	60	36	0.6	0.0264	0.0199	0.0032	0.0003	0.0593	0.0449	26.5	19.8	19.6	20.8	1.9	1.9	578.0	1156.0	1322.1	21	20.8	1.9
2126AZ1_104	69	43	0.6	0.0281	0.0223	0.0033	0.0003	0.0618	0.0495	28.1	22.2	21.9	21.2	2.1	2.1	666.3	1332.6	1366.9	25	21.2	2.1
2126AZ1_89	129	28	0.2	0.0254	0.0120	0.0033	0.0003	0.0552	0.0264	25.4	11.9	11.8	21.4	1.7	1.7	420.1	840.2	920.9	16	21.4	1.7
2126AZ1_84	168	36	0.2	0.0252	0.0090	0.0033	0.0003	0.0547	0.0199	25.3	8.9	8.9	21.5	1.7	1.7	401.1	802.1	726.9	15	21.5	1.7
2126AZ1_29	144	30	0.2	0.0248	0.0082	0.0034	0.0002	0.0533	0.0180	24.9	8.2	8.1	21.7	1.6	1.6	343.1	686.1	686.2	13	21.7	1.6
2126AZ1_33	111	24	0.2	0.0247	0.0108	0.0034	0.0002	0.0532	0.0234	24.8	10.7	10.6	21.7	1.5	1.5	336.2	672.3	867.6	12	21.7	1.5
2126AZ1_109	16	9	0.6	0.0707	0.1131	0.0034	0.0011	0.1491	0.2434	69.4	110.1	104.5	22.1	7.3	7.3	2336.0	4672.0	1949.8	68	22.1	7.3
2126AZ1_68	90	35	0.4	0.0307	0.0171	0.0035	0.0004	0.0632	0.0353	30.7	16.9	16.8	22.7	2.9	2.9	715.2	1430.4	1005.4	26	22.7	2.9
2126AZ1_20	51	25	0.5	0.0321	0.0190	0.0036	0.0005	0.0654	0.0394	32.1	18.8	18.6	22.9	3.0	3.0	785.6	1571.3	1061.1	29	22.9	3.0
2126AZ1_70	59	30	0.5	0.0319	0.0208	0.0036	0.0005	0.0645	0.0428	31.9	20.6	20.4	23.1	3.3	3.3	759.7	1519.4	1155.1	28	23.1	3.3
2126AZ1_97	59	30	0.5	0.0347	0.0209	0.0037	0.0005	0.0690	0.0423	34.6	20.6	20.4	23.5	3.3	3.3	900.0	1611.3	1058.9	32	23.5	3.3
2126AZ1_37	16	9	0.6	0.0778	0.1182	0.0037	0.0012	0.1517	0.2356	76.0	114.5	108.4	23.9	7.7	7.7	2364.9	4729.9	1875.8	69	23.9	7.7
2126AZ1_31	22	6	0.3	0.0462	0.0642	0.0037	0.0009	0.0899	0.1269	45.8	63.3	61.4	24.0	5.9	5.9	1423.3	2846.6	1920.4	48	24.0	5.9
2126AZ1_87	25	7	0.3	0.0475	0.0680	0.0037	0.0010	0.0925	0.1346	47.1	67.0	64.9	24.0	6.2	6.2	1478.3	2956.6	1950.7	49	24.0	6.2
2126AZ1_48	82	18	0.2	0.0287	0.0196	0.0041	0.0004	0.0514	0.0353	28.8	19.4	19.2	26.1	2.7	2.7	256.8	513.5	1284.4	9	26.1	2.7
2126AZ1_61	60	14	0.2	0.0431	0.0243	0.0041	0.0004	0.0770	0.0440	42.9	23.8	23.5	26.1	2.6	2.6	1120.8	1417.9	968.4	39	26.1	2.6
2126AZ1_14	52	12	0.2	0.0404	0.0235	0.0041	0.0004	0.0720	0.0424	40.2	23.0	22.8	26.2	2.5	2.5	985.9	1507.4	1011.6	35	26.2	2.5
2126AZ1_7	71	15	0.2	0.0294	0.0173	0.0041	0.0004	0.0524	0.0311	29.4	17.1	17.0	26.2	2.4	2.4	300.8	601.7	1130.3	11	26.2	2.4
2126AZ1_64	66	24	0.4	0.0313	0.0189	0.0041	0.0005	0.0551	0.0337	31.2	18.7	18.5	26.5	3.0	3.0	414.4	828.7	1138.6	15	26.5	3.0
2126AZ1_16	57	20	0.3	0.0325	0.0179	0.0042	0.0004	0.0562	0.0312	32.5	17.6	17.5	27.0	2.8	2.8	461.4	922.8	1040.6	17	27.0	2.8
2126AZ1_77	514	144	0.3	0.0754	0.0069	0.0109	0.0004	0.0503	0.0047	73.8	6.5	6.5	69.8	2.3	2.3	206.8	222.1	207.9	5	69.8	2.3
2126AZ1_25	442	122	0.3	0.0748	0.0064	0.0110	0.0003	0.0494	0.0043	73.2	6.1	6.0	70.4	2.2	2.2	167.6	210.0	197.3	4	70.4	2.2
13ECC11 (n=107)																					
2127AZ1_36	23	5	0.2	0.0308	0.0582	0.0013	0.0006	0.1761	0.3418	30.8	58.2	56.6	8.2	3.6	3.6	2616.5	5233.1	2154.7	73	8.2	3.6
2127AZ1_62	23	9	0.4	0.0293	0.0519	0.0013	0.0006	0.1635	0.2997	29.3	51.8	50.6	8.4	4.0	4.0	2492.1	4984.3	2090.6	71	8.4	4.0
2127AZ1_47	95	20	0.2	0.0151	0.0164	0.0013	0.0002	0.0834	0.0916	15.2	16.5	16.3	8.4	1.2	1.2	1279.4	2558.7	1616.3	44	8.4	1.2
2127AZ1_12	49	16	0.3	0.0157	0.0243	0.0014	0.0003	0.0805	0.1256	15.8	24.5	24.2	9.1	1.7	1.7	1209.8	2419.7	2115.5	42	9.1	1.7
2127AZ1_30	57	19	0.3	0.0189	0.0254	0.0014	0.0003	0.0962	0.1303	19.0	25.4	25.1	9.2	1.8	1.8	1551.4	3102.9	1836.2	52	9.2	1.8
2127AZ1_59	513	242	0.5	0.0107	0.0031	0.0015	0.0001	0.0533	0.0156	10.8	3.2	3.2	9.4	0.9	0.9	342.1	684.2	600.6	13	9.4	0.9
2127AZ1_77	276	67	0.2	0.0118	0.0063	0.0015	0.0001	0.0565	0.0303	11.9	6.3	6.3	9.7	0.7	0.7	471.5	942.9	1008.4	18	9.7	0.7
2127AZ1_70	44	11	0.3	0.0188	0.0364	0.0015	0.0005	0.0898	0.1756	19.0	36.6	36.0	9.8	3.0	3.0	1421.4	2842.9	2418.6	48	9.8	3.0
2127AZ1_65	148	37	0.2	0.0125	0.0098	0.0015	0.0002	0.0591	0.0470	12.6	9.9	9.8	9.9	1.2	1.2	571.6	1143.1	1377.5	22	9.9	1.2
2127AZ1_32	38	9	0.2	0.0180	0.0331	0.0015	0.0004	0.0849	0.1579	18.1	33.3	32.7	9.9	2.8	2.8	1312.5	2625.1	2366.1	45	9.9	2.8
2127AZ1_52	84	29	0.3	0.0161	0.0184	0.0016	0.0003	0.0729	0.0840	16.2	18.5	18.3	10.3	1.7	1.7	1011.2	2022.3	1734.1	36	10.3	1.7
2127AZ1_57	72	24	0.3	0.0152	0.0169	0.0016	0.0002	0.0685	0.0767	15.4	17.0	16.8	10.4	1.5	1.5	885.0	1770.0	1723.4	32	10.4	1.5
2127AZ1_83	42	13	0.3	0.0256	0.0318	0.0016	0.0004	0.1148	0.1454	25.7	31.7	31.2	10.4	2.6	2.6	1876.3	3752.7	1687.2	59	10.4	2.6
2127AZ1_101	21	6	0.3	0.0360	0.0616	0.0016	0.0006	0.1604	0.2797	35.9	61.3	59.5	10.5	3.6	3.6	2460.3	4920.6	2022.7	71	10.5	3.6

2127AZ1_82	37	10	0.3	0.0258	0.0333	0.0016	0.0005	0.1143	0.1511	25.9	33.3	32.7	10.6	3.1	3.1	1868.4	3736.8	1744.7	59	10.6	3.1
2127AZ1_66	32	8	0.3	0.0249	0.0311	0.0017	0.0005	0.1071	0.1365	25.0	31.1	30.6	10.9	2.9	2.9	1750.8	3501.7	1717.7	57	10.9	2.9
2127AZ1_96	131	26	0.2	0.0158	0.0119	0.0017	0.0002	0.0663	0.0504	15.9	11.9	11.9	11.2	1.4	1.4	815.5	1631.0	1283.6	30	11.2	1.4
2127AZ1_105	29	11	0.4	0.0211	0.0373	0.0018	0.0004	0.0872	0.1561	21.2	37.5	36.8	11.3	2.9	2.9	1365.5	2731.1	2290.1	47	11.3	2.9
2127AZ1_33	138	63	0.5	0.0144	0.0105	0.0018	0.0002	0.0574	0.0425	14.5	10.5	10.5	11.7	1.5	1.5	508.3	1016.7	1312.4	19	11.7	1.5
2127AZ1_5	23	6	0.3	0.0293	0.0598	0.0018	0.0007	0.1160	0.2412	29.3	58.6	58.2	11.8	4.5	4.5	1895.4	3790.8	2403.4	60	11.8	4.5
2127AZ1_109	42	10	0.2	0.0280	0.0322	0.0018	0.0004	0.1099	0.1282	28.1	32.1	31.6	11.9	2.4	2.4	1798.0	3596.1	1597.6	58	11.9	2.4
2127AZ1_103	20	6	0.3	0.0495	0.0622	0.0019	0.0006	0.1933	0.2501	49.0	61.1	59.3	12.0	3.7	3.7	2770.4	3789.8	1583.1	76	12.0	3.7
2127AZ1_84	149	81	0.5	0.0191	0.0111	0.0019	0.0001	0.0717	0.0419	19.2	11.1	11.0	12.5	0.9	0.9	976.9	1495.2	1006.3	35	12.5	0.9
2127AZ1_108	49	20	0.4	0.0283	0.0368	0.0020	0.0004	0.1033	0.1358	28.3	36.7	36.0	12.8	2.5	2.5	1685.1	3370.2	1769.4	55	12.8	2.5
2127AZ1_42	28	7	0.2	0.0336	0.0529	0.0020	0.0006	0.1220	0.1948	33.6	52.7	51.3	12.9	3.6	3.6	1985.3	3970.5	1981.9	62	12.9	3.6
2127AZ1_13	34	12	0.4	0.0306	0.0376	0.0020	0.0004	0.1101	0.1367	30.6	37.4	36.7	13.0	2.6	2.6	1801.3	3602.5	1675.2	58	13.0	2.6
2127AZ1_8	29	10	0.4	0.0295	0.0344	0.0020	0.0004	0.1050	0.1237	29.5	34.2	33.7	13.1	2.4	2.4	1714.2	3428.4	1624.5	56	13.1	2.4
2127AZ1_10	20	7	0.3	0.0354	0.0581	0.0020	0.0006	0.1258	0.2094	35.3	57.8	56.2	13.1	3.6	3.6	2040.7	4081.3	2030.5	63	13.1	3.6
2127AZ1_6	17	6	0.3	0.0349	0.0531	0.0020	0.0005	0.1236	0.1904	34.8	52.8	51.4	13.2	3.3	3.3	2008.9	4017.8	1925.7	62	13.2	3.3
2127AZ1_102	58	18	0.3	0.0198	0.0326	0.0021	0.0004	0.0701	0.1158	20.0	32.7	32.2	13.2	2.3	2.3	931.6	1863.3	2278.0	34	13.2	2.3
2127AZ1_73	17	4	0.3	0.0514	0.0737	0.0021	0.0008	0.1799	0.2667	50.9	72.4	69.9	13.3	5.1	5.1	2652.4	5248.3	1769.8	74	13.3	5.1
2127AZ1_107	284	221	0.8	0.0143	0.0061	0.0021	0.0001	0.0496	0.0211	14.4	6.1	6.1	13.5	0.9	0.9	176.5	353.0	865.8	7	13.5	0.9
2127AZ1_80	41	16	0.4	0.0274	0.0364	0.0021	0.0004	0.0936	0.1255	27.4	36.3	35.7	13.6	2.5	2.5	1500.2	3000.4	1833.3	50	13.6	2.5
2127AZ1_56	57	23	0.4	0.0247	0.0220	0.0022	0.0003	0.0831	0.0750	24.8	22.0	21.7	13.9	2.0	2.0	1271.1	2542.2	1387.5	44	13.9	2.0
2127AZ1_39	30	13	0.4	0.0281	0.0472	0.0022	0.0005	0.0941	0.1601	28.1	47.2	46.1	13.9	3.5	3.5	1510.7	3021.5	2175.4	50	13.9	3.5
2127AZ1_86	66	40	0.6	0.0188	0.0167	0.0022	0.0002	0.0606	0.0542	18.9	16.7	16.6	14.5	1.6	1.6	626.0	1252.1	1501.9	23	14.5	1.6
2127AZ1_67	78	48	0.6	0.0193	0.0176	0.0023	0.0003	0.0621	0.0570	19.4	17.6	17.4	14.5	1.7	1.7	676.7	1353.4	1521.0	25	14.5	1.7
2127AZ1_98	58	14	0.2	0.0210	0.0269	0.0023	0.0004	0.0668	0.0863	21.1	27.0	26.6	14.7	2.4	2.4	831.1	1662.3	1934.4	30	14.7	2.4
2127AZ1_24	110	51	0.5	0.0150	0.0103	0.0023	0.0002	0.0477	0.0329	15.1	10.3	10.3	14.7	1.2	1.2	85.0	170.0	1325.0	3	14.7	1.2
2127AZ1_11	32	11	0.4	0.0289	0.0549	0.0023	0.0007	0.0903	0.1736	28.9	55.0	53.5	14.9	4.2	4.2	1432.7	2865.4	2387.4	48	14.9	4.2
2127AZ1_26	40	11	0.3	0.0492	0.0554	0.0024	0.0005	0.1514	0.1731	48.7	54.4	52.9	15.2	3.5	3.5	2362.1	3184.8	1489.0	69	15.2	3.5
2127AZ1_25	38	10	0.3	0.0333	0.0385	0.0024	0.0005	0.1017	0.1186	33.3	38.2	37.5	15.3	2.9	2.9	1655.4	3310.9	1621.4	54	15.3	2.9
2127AZ1_41	33	9	0.3	0.0267	0.0377	0.0024	0.0004	0.0806	0.1146	26.8	37.6	37.0	15.5	2.9	2.9	1212.0	2424.0	1978.3	42	15.5	2.9
2127AZ1_88	65	29	0.4	0.0233	0.0231	0.0024	0.0004	0.0701	0.0703	23.3	23.0	22.8	15.5	2.3	2.3	932.1	1864.2	1574.4	34	15.5	2.3
2127AZ1_23	28	8	0.3	0.0504	0.0542	0.0024	0.0005	0.1510	0.1656	49.9	53.1	51.8	15.6	3.3	3.3	2357.3	2965.4	1442.0	69	15.6	3.3
2127AZ1_94	23	9	0.4	0.0377	0.0625	0.0024	0.0007	0.1125	0.1891	37.6	62.1	60.3	15.6	4.2	4.2	1839.7	3679.5	2085.5	58	15.6	4.2
2127AZ1_40	49	15	0.3	0.0273	0.0257	0.0025	0.0004	0.0797	0.0761	27.3	25.5	25.2	16.0	2.6	2.6	1189.0	2378.0	1465.8	41	16.0	2.6
2127AZ1_61	24	7	0.3	0.0467	0.0517	0.0025	0.0005	0.1357	0.1528	46.3	50.8	49.6	16.0	3.2	3.2	2173.6	3186.6	1496.6	65	16.0	3.2
2127AZ1_28	40	11	0.3	0.0239	0.0381	0.0025	0.0006	0.0685	0.1103	24.0	38.2	37.4	16.3	3.7	3.7	885.1	1770.3	2249.8	32	16.3	3.7
2127AZ1_18	32	8	0.3	0.0345	0.0564	0.0026	0.0005	0.0966	0.1592	34.5	56.2	54.7	16.7	3.4	3.4	1560.1	3120.2	2114.8	52	16.7	3.4
2127AZ1_76	32	8	0.3	0.0346	0.0370	0.0026	0.0005	0.0966	0.1046	34.5	36.7	36.0	16.7	2.9	2.9	1559.2	3118.5	1547.6	52	16.7	2.9
2127AZ1_79	130	58	0.4	0.0210	0.0093	0.0026	0.0003	0.0587	0.0264	21.1	9.3	9.2	16.7	2.2	2.2	556.8	1113.6	852.7	21	16.7	2.2
2127AZ1_63	1797	336	0.2	0.0179	0.0019	0.0027	0.0001	0.0486	0.0051	18.0	1.9	1.9	17.1	0.5	0.5	129.5	258.7	240.1	5	17.1	0.5
2127AZ1_20	22	9	0.4	0.0347	0.0685	0.0027	0.0008	0.0942	0.1881	34.6	68.4	66.2	17.2	4.9	4.9	1511.4	3022.8	2430.9	50	17.2	4.9
2127AZ1_4	47	21	0.4	0.0265	0.0294	0.0027	0.0004	0.0711	0.0795	26.5	29.3	28.9	17.4	2.4	2.4	959.4	1918.9	1706.8	34	17.4	2.4
2127AZ1_104	37	10	0.3	0.0303	0.0369	0.0028	0.0005	0.0797	0.0982	30.3	36.7	36.0	17.8	3.5	3.5	1188.5	2377.1	1785.0	41	17.8	3.5
2127AZ1_1	27	7	0.3	0.0346	0.0533	0.0028	0.0005	0.0897	0.1390	34.5	53.0	51.6	18.0	3.2	3.2	1418.4	2836.8	2056.8	48	18.0	3.2

2127AZ1_34	83	29	0.3	0.0216	0.0198	0.0028	0.0003	0.0553	0.0509	21.7	19.8	19.6	18.3	2.1	2.1	423.6	847.2	1583.4	16	18.3	2.1
2127AZ1_48	138	46	0.3	0.0231	0.0144	0.0029	0.0002	0.0578	0.0364	23.2	14.4	14.3	18.7	1.5	1.5	524.0	1048.1	1144.2	20	18.7	1.5
2127AZ1_58	183	134	0.7	0.0216	0.0087	0.0029	0.0003	0.0540	0.0218	21.7	8.6	8.6	18.7	1.8	1.8	371.5	743.0	799.3	14	18.7	1.8
2127AZ1_99	126	34	0.3	0.0234	0.0108	0.0029	0.0003	0.0585	0.0274	23.5	10.8	10.7	18.7	2.2	2.2	547.4	1094.8	888.0	20	18.7	2.2
2127AZ1_14	118	39	0.3	0.0228	0.0135	0.0029	0.0002	0.0568	0.0339	22.9	13.5	13.4	18.7	1.4	1.4	483.4	966.9	1102.3	18	18.7	1.4
2127AZ1_2	34	16	0.5	0.0298	0.0353	0.0030	0.0005	0.0731	0.0874	29.8	35.1	34.6	19.0	3.1	3.1	1015.6	2031.2	1783.6	36	19.0	3.1
2127AZ1_3	29	10	0.4	0.0346	0.0561	0.0030	0.0008	0.0846	0.1393	34.5	55.8	54.3	19.1	5.4	5.4	1307.3	2614.6	2173.9	45	19.1	5.4
2127AZ1_90	102	33	0.3	0.0210	0.0159	0.0030	0.0003	0.0514	0.0390	21.1	15.8	15.7	19.1	1.6	1.6	258.8	517.6	1392.4	10	19.1	1.6
2127AZ1_106	116	39	0.3	0.0194	0.0125	0.0030	0.0003	0.0464	0.0303	19.5	12.5	12.4	19.5	2.0	2.0	20.1	40.2	1277.5	0	19.5	2.0
2127AZ1_46	199	153	0.8	0.0219	0.0074	0.0030	0.0003	0.0522	0.0179	22.0	7.4	7.4	19.6	2.1	2.1	293.9	587.7	699.5	11	19.6	2.1
2127AZ1_55	230	181	0.8	0.0220	0.0081	0.0030	0.0004	0.0522	0.0195	22.1	8.1	8.1	19.6	2.3	2.3	295.9	591.9	754.1	11	19.6	2.3
2127AZ1_110	119	52	0.4	0.0239	0.0108	0.0031	0.0002	0.0565	0.0258	24.0	10.7	10.7	19.8	1.5	1.5	471.5	943.1	877.6	18	19.8	1.5
2127AZ1_91	49	19	0.4	0.0263	0.0307	0.0031	0.0005	0.0620	0.0728	26.4	30.6	30.1	19.8	3.0	3.0	675.3	1350.5	1839.6	25	19.8	3.0
2127AZ1_93	103	44	0.4	0.0226	0.0104	0.0031	0.0002	0.0528	0.0245	22.7	10.3	10.3	20.0	1.5	1.5	322.3	644.6	911.2	12	20.0	1.5
2127AZ1_22	78	20	0.2	0.0235	0.0175	0.0031	0.0004	0.0545	0.0412	23.5	17.5	17.3	20.1	2.5	2.5	391.8	783.6	1359.5	15	20.1	2.5
2127AZ1_72	85	44	0.5	0.0278	0.0196	0.0032	0.0005	0.0638	0.0456	27.8	19.4	19.2	20.3	3.2	3.2	733.6	1467.1	1234.6	27	20.3	3.2
2127AZ1_50	60	29	0.5	0.0315	0.0236	0.0032	0.0003	0.0715	0.0542	31.4	23.4	23.1	20.5	2.1	2.1	971.1	1942.2	1252.3	35	20.5	2.1
2127AZ1_29	326	154	0.5	0.0233	0.0058	0.0033	0.0003	0.0509	0.0128	23.4	5.7	5.7	21.4	1.9	1.9	235.9	471.9	532.4	9	21.4	1.9
2127AZ1_37	33	8	0.2	0.0414	0.0486	0.0033	0.0005	0.0902	0.1067	41.2	48.0	46.9	21.4	3.1	3.1	1429.5	2859.1	1682.2	48	21.4	3.1
2127AZ1_43	29	7	0.2	0.0407	0.0440	0.0034	0.0004	0.0856	0.0931	40.5	43.3	42.4	22.2	2.9	2.9	1328.2	2656.5	1595.3	45	22.2	2.9
2127AZ1_16	43	17	0.4	0.0305	0.0357	0.0035	0.0005	0.0641	0.0755	30.5	35.5	34.9	22.2	3.2	3.2	746.3	1492.6	1825.4	27	22.2	3.2
2127AZ1_9	38	14	0.4	0.0284	0.0327	0.0035	0.0005	0.0593	0.0686	28.5	32.6	32.0	22.4	2.9	2.9	579.0	1158.0	1844.1	21	22.4	2.9
2127AZ1_85	163	91	0.6	0.0305	0.0125	0.0036	0.0003	0.0622	0.0258	30.5	12.4	12.3	22.9	1.7	1.7	681.6	1038.5	780.8	25	22.9	1.7
2127AZ1_51	22	7	0.3	0.0524	0.0662	0.0037	0.0009	0.1038	0.1339	51.8	64.9	62.9	23.5	5.9	5.9	1693.3	3386.7	1743.1	55	23.5	5.9
2127AZ1_49	57	20	0.4	0.0301	0.0236	0.0040	0.0004	0.0543	0.0429	30.1	23.4	23.1	25.9	2.4	2.4	383.6	767.2	1408.9	14	25.9	2.4
2127AZ1_35	30	9	0.3	0.0445	0.0548	0.0040	0.0006	0.0799	0.0991	44.2	54.0	52.6	26.0	4.1	4.1	1193.9	2387.9	1792.8	41	26.0	4.1
2127AZ1_74	115	35	0.3	0.0301	0.0149	0.0040	0.0003	0.0539	0.0269	30.1	14.7	14.6	26.0	1.8	1.8	367.9	735.7	963.5	14	26.0	1.8
2127AZ1_95	54	14	0.3	0.0342	0.0300	0.0041	0.0005	0.0610	0.0540	34.2	29.7	29.3	26.2	2.9	2.9	640.3	1280.5	1485.4	23	26.2	2.9
2127AZ1_71	25	7	0.3	0.0419	0.0504	0.0042	0.0006	0.0727	0.0879	41.7	49.7	48.5	26.9	3.8	3.8	1005.6	2011.2	1800.1	35	26.9	3.8
2127AZ1_81	55	17	0.3	0.0347	0.0234	0.0044	0.0005	0.0566	0.0385	34.7	23.1	22.9	28.6	3.5	3.5	477.3	954.7	1228.5	17	28.6	3.5
2127AZ1_17	178	16	0.1	0.0335	0.0077	0.0047	0.0002	0.0514	0.0120	33.5	7.6	7.5	30.4	1.4	1.4	259.4	518.9	495.6	9	30.4	1.4
2127AZ1_75	68	27	0.4	0.0454	0.0214	0.0060	0.0005	0.0551	0.0263	45.0	20.9	20.6	38.4	3.2	3.2	414.3	828.7	920.9	15	38.4	3.2
2127AZ1_68	60	10	0.2	0.0473	0.0249	0.0061	0.0004	0.0566	0.0301	46.9	24.3	24.0	38.9	2.8	2.8	477.1	954.2	998.7	17	38.9	2.8
2127AZ1_21	218	182	0.8	0.0441	0.0079	0.0061	0.0003	0.0522	0.0095	43.8	7.7	7.7	39.4	1.8	1.8	296.1	444.5	390.9	10	39.4	1.8
2127AZ1_7	86	35	0.4	0.0435	0.0189	0.0061	0.0005	0.0513	0.0227	43.2	18.5	18.3	39.5	3.2	3.2	256.3	512.5	882.7	9	39.5	3.2
2127AZ1_69	128	43	0.3	0.0459	0.0117	0.0062	0.0003	0.0539	0.0139	45.6	11.4	11.3	39.7	1.9	1.9	368.5	639.6	533.6	13	39.7	1.9
2127AZ1_31	110	36	0.3	0.0458	0.0107	0.0062	0.0003	0.0536	0.0126	45.4	10.4	10.3	39.8	1.7	1.7	354.8	581.9	492.9	12	39.8	1.7
2127AZ1_100	184	114	0.6	0.0434	0.0091	0.0065	0.0004	0.0486	0.0102	43.1	8.8	8.8	41.6	2.4	2.4	127.5	255.0	461.2	3	41.6	2.4
2127AZ1_97	36	8	0.2	0.0523	0.0417	0.0065	0.0007	0.0581	0.0468	51.7	40.6	39.8	41.9	4.6	4.6	533.2	1066.3	1399.4	19	41.9	4.6
2127AZ1_19	260	82	0.3	0.0713	0.0105	0.0099	0.0004	0.0521	0.0079	69.9	10.0	10.0	63.6	2.4	2.4	291.9	364.7	327.8	9	63.6	2.4
2127AZ1_45	97	39	0.4	0.0708	0.0181	0.0099	0.0006	0.0518	0.0134	69.5	17.2	17.1	63.6	4.0	4.0	276.5	553.0	544.2	8	63.6	4.0
2127AZ1_87	232	84	0.4	0.0693	0.0097	0.0102	0.0004	0.0491	0.0070	68.0	9.2	9.2	65.6	2.6	2.6	153.1	306.3	319.8	4	65.6	2.6
2127AZ1_64	184	42	0.2	0.0710	0.0112	0.0103	0.0004	0.0501	0.0080	69.6	10.6	10.6	65.9	2.4	2.4	200.5	395.1	352.4	5	65.9	2.4

2127AZ1_27	158	36	0.2	0.0708	0.0101	0.0103	0.0003	0.0498	0.0073	69.5	9.6	9.6	66.2	2.2	2.2	185.9	357.9	322.6	5	66.2	2.2
2127AZ1_54	44	31	0.7	0.0880	0.0340	0.0125	0.0012	0.0512	0.0199	85.7	32.0	31.5	79.9	7.7	7.7	249.4	498.8	789.6	7	79.9	7.7
2127AZ1_38	14	3	0.2	0.1196	0.1209	0.0125	0.0017	0.0694	0.0707	114.7	112.7	106.8	80.1	10.5	10.5	910.6	1821.2	1598.1	30	80.1	10.5
2127AZ1_53	112	29	0.3	0.2500	0.0206	0.0354	0.0012	0.0512	0.0043	226.6	16.8	16.6	224.5	7.2	7.2	248.0	201.4	189.6	1	224.5	7.2
2127AZ1_89	366	151	0.4	1.4596	0.0423	0.1477	0.0036	0.0717	0.0020	913.8	17.6	17.4	887.8	20.3	20.3	977.2	57.3	56.2	3	887.8	20.3
2127AZ1_92	110	61	0.6	1.8870	0.0626	0.1774	0.0044	0.0771	0.0025	1076.5	22.1	21.9	1052.7	24.3	24.3	1125.0	65.9	64.5	2	1052.7	24.3
2127AZ1_60	79	32	0.4	4.5378	0.2066	0.3034	0.0119	0.1085	0.0050	1737.9	38.2	37.5	1708.1	59.0	58.8	1774.1	86.1	83.7	2	1774.1	86.1
13ECC12A (n=108)																					
2128AZ1_106	56	12	0.2	0.0183	0.0275	0.0012	0.0003	0.1086	0.1652	18.4	27.6	27.2	7.9	2.0	2.0	1776.9	3553.7	1952.2	57	7.9	2.0
2128AZ1_6	37	8	0.2	0.0193	0.0332	0.0013	0.0005	0.1105	0.1946	19.4	33.4	32.8	8.2	3.0	3.0	1807.5	3615.1	2161.9	58	8.2	3.0
2128AZ1_33	318	129	0.4	0.0099	0.0055	0.0013	0.0001	0.0539	0.0302	10.0	5.5	5.5	8.6	0.8	0.8	367.6	735.3	1064.4	14	8.6	0.8
2128AZ1_22	27	5	0.2	0.0233	0.0470	0.0014	0.0004	0.1238	0.2525	23.4	46.8	46.1	8.8	2.8	2.8	2011.7	4023.5	2346.8	62	8.8	2.8
2128AZ1_14	142	100	0.7	0.0111	0.0098	0.0014	0.0002	0.0575	0.0515	11.2	9.9	9.8	9.0	1.2	1.2	511.1	1022.1	1528.3	20	9.0	1.2
2128AZ1_84	47	19	0.4	0.0274	0.0329	0.0014	0.0003	0.1414	0.1730	27.5	32.8	32.3	9.1	2.2	2.2	2245.0	3671.6	1585.7	67	9.1	2.2
2128AZ1_99	108	26	0.2	0.0121	0.0092	0.0014	0.0001	0.0622	0.0475	12.2	9.2	9.2	9.1	0.9	0.9	681.7	1363.4	1311.2	26	9.1	0.9
2128AZ1_107	233	42	0.2	0.0108	0.0067	0.0014	0.0001	0.0547	0.0342	10.9	6.7	6.7	9.2	0.7	0.7	401.2	802.4	1160.8	15	9.2	0.7
2128AZ1_86	125	31	0.2	0.0121	0.0099	0.0014	0.0002	0.0615	0.0509	12.2	10.0	10.0	9.2	1.0	1.0	656.2	1312.4	1405.7	25	9.2	1.0
2128AZ1_103	38	10	0.3	0.0177	0.0188	0.0014	0.0009	0.0895	0.1111	17.8	18.9	18.7	9.3	5.9	5.9	1414.6	2829.2	1747.2	48	9.3	5.9
2128AZ1_44	211	50	0.2	0.0101	0.0068	0.0015	0.0001	0.0501	0.0342	10.2	6.8	6.8	9.4	0.9	0.9	199.2	398.4	1288.1	8	9.4	0.9
2128AZ1_66	45	12	0.3	0.0181	0.0205	0.0015	0.0009	0.0896	0.1161	18.2	20.6	20.4	9.4	5.9	5.9	1416.9	2833.7	1804.2	48	9.4	5.9
2128AZ1_89	194	70	0.4	0.0125	0.0070	0.0015	0.0001	0.0619	0.0351	12.7	7.1	7.0	9.5	0.8	0.8	671.8	1343.5	1024.6	25	9.5	0.8
2128AZ1_100	85	58	0.7	0.0172	0.0171	0.0015	0.0002	0.0813	0.0819	17.3	17.2	17.0	9.9	1.5	1.5	1228.6	2457.3	1520.8	43	9.9	1.5
2128AZ1_48	158	53	0.3	0.0148	0.0101	0.0016	0.0002	0.0683	0.0471	14.9	10.1	10.0	10.1	1.1	1.1	879.1	1758.1	1172.5	32	10.1	1.1
2128AZ1_47	95	34	0.4	0.0177	0.0156	0.0016	0.0002	0.0818	0.0723	17.9	15.6	15.5	10.1	1.1	1.1	1240.2	2480.4	1370.3	43	10.1	1.1
2128AZ1_34	145	48	0.3	0.0135	0.0105	0.0016	0.0002	0.0620	0.0489	13.6	10.6	10.5	10.1	1.0	1.0	674.3	1348.6	1348.1	25	10.1	1.0
2128AZ1_70	89	58	0.6	0.0172	0.0204	0.0016	0.0003	0.0789	0.0939	17.3	20.4	20.2	10.2	1.7	1.7	1170.1	2340.2	1741.4	41	10.2	1.7
2128AZ1_19	257	70	0.3	0.0113	0.0059	0.0016	0.0001	0.0516	0.0273	11.5	6.0	6.0	10.3	0.8	0.8	267.5	535.0	1029.0	10	10.3	0.8
2128AZ1_90	44	16	0.4	0.0226	0.0288	0.0016	0.0004	0.1016	0.1319	22.7	28.8	28.4	10.4	2.5	2.5	1653.4	3306.7	1760.0	54	10.4	2.5
2128AZ1_65	227	70	0.3	0.0143	0.0081	0.0017	0.0002	0.0628	0.0357	14.4	8.1	8.0	10.6	1.0	1.0	701.2	1402.4	1023.1	26	10.6	1.0
2128AZ1_8	31	14	0.5	0.0250	0.0445	0.0017	0.0006	0.1089	0.1977	25.1	44.6	43.6	10.7	4.0	4.0	1780.5	3561.1	2214.2	57	10.7	4.0
2128AZ1_49	83	19	0.2	0.0167	0.0172	0.0017	0.0002	0.0695	0.0724	16.8	17.3	17.1	11.2	1.6	1.6	913.7	1827.4	1626.6	33	11.2	1.6
2128AZ1_4	52	23	0.4	0.0244	0.0249	0.0018	0.0003	0.0970	0.0997	24.5	24.8	24.5	11.8	1.7	1.7	1566.7	3023.7	1485.4	52	11.8	1.7
2128AZ1_54	138	94	0.7	0.0166	0.0099	0.0020	0.0002	0.0607	0.0366	16.7	9.9	9.8	12.8	1.1	1.1	630.1	1260.3	1085.2	24	12.8	1.1
2128AZ1_55	55	24	0.4	0.0215	0.0270	0.0020	0.0004	0.0764	0.0969	21.6	27.0	26.6	13.1	2.4	2.4	1105.2	2210.4	1842.3	39	13.1	2.4
2128AZ1_36	2664	676	0.3	0.0136	0.0013	0.0021	0.0001	0.0478	0.0044	13.7	1.3	1.3	13.2	0.4	0.4	91.2	182.4	213.0	3	13.2	0.4
2128AZ1_11	54	14	0.3	0.0191	0.0279	0.0021	0.0004	0.0668	0.0984	19.2	28.0	27.6	13.3	2.4	2.4	831.0	1662.1	2128.8	30	13.3	2.4
2128AZ1_105	198	80	0.4	0.0136	0.0086	0.0021	0.0002	0.0477	0.0303	13.8	8.6	8.6	13.4	1.3	1.3	82.2	164.4	1240.5	3	13.4	1.3
2128AZ1_109	28	5	0.2	0.0331	0.0490	0.0022	0.0005	0.1081	0.1619	33.0	48.7	47.6	14.3	3.2	3.2	1767.1	3534.2	1933.4	57	14.3	3.2
2128AZ1_58	59	18	0.3	0.0191	0.0216	0.0023	0.0003	0.0613	0.0698	19.2	21.6	21.4	14.5	2.1	2.1	650.1	1300.1	1803.8	24	14.5	2.1
2128AZ1_52	60	24	0.4	0.0257	0.0243	0.0023	0.0009	0.0802	0.0812	25.8	24.2	23.9	15.0	5.5	5.5	1202.9	2405.8	1532.1	42	15.0	5.5
2128AZ1_62	52	20	0.4	0.0251	0.0225	0.0023	0.0008	0.0780	0.0753	25.2	22.4	22.1	15.0	5.4	5.4	1147.5	2295.1	1485.8	40	15.0	5.4
2128AZ1_108	192	49	0.3	0.0191	0.0118	0.0023	0.0002	0.0589	0.0366	19.2	11.8	11.7	15.1	1.2	1.2	564.0	1128.0	1126.8	21	15.1	1.2
2128AZ1_43	38	12	0.3	0.0357	0.0482	0.0024	0.0006	0.1083	0.1484	35.6	47.8	46.7	15.4	3.8	3.8	1771.2	3542.4	1809.4	57	15.4	3.8

2128AZ1_37	44	17	0.4	0.0300	0.0358	0.0024	0.0005	0.0903	0.1092	30.1	35.6	35.0	15.5	3.3	3.3	1431.2	2862.5	1709.7	48	15.5	3.3
2128AZ1_51	17	4	0.3	0.0497	0.0760	0.0027	0.0008	0.1349	0.2100	49.3	74.9	72.2	17.2	5.1	5.1	2163.0	4326.1	1913.1	65	17.2	5.1
2128AZ1_38	117	61	0.5	0.0242	0.0144	0.0028	0.0003	0.0616	0.0372	24.3	14.4	14.3	18.3	1.7	1.7	661.4	1322.7	1083.0	24	18.3	1.7
2128AZ1_27	136	73	0.5	0.0238	0.0159	0.0029	0.0003	0.0602	0.0407	23.9	15.8	15.7	18.4	1.9	1.9	611.4	1222.8	1199.5	23	18.4	1.9
2128AZ1_64	51	22	0.4	0.0278	0.0282	0.0029	0.0004	0.0702	0.0719	27.8	28.0	27.7	18.5	2.7	2.7	935.0	1869.9	1600.3	34	18.5	2.7
2128AZ1_67	64	23	0.4	0.0227	0.0175	0.0029	0.0003	0.0569	0.0442	22.8	17.4	17.3	18.6	2.0	2.0	486.5	973.1	1369.6	18	18.6	2.0
2128AZ1_23	25	8	0.3	0.0374	0.0471	0.0029	0.0005	0.0937	0.1192	37.3	46.7	45.6	18.6	3.3	3.2	1502.5	3005.1	1761.6	50	18.6	3.3
2128AZ1_93	74	27	0.4	0.0218	0.0182	0.0029	0.0003	0.0545	0.0459	21.9	18.2	18.0	18.7	2.1	2.1	393.5	787.0	1481.2	15	18.7	2.1
2128AZ1_7	29	8	0.3	0.0415	0.0482	0.0029	0.0006	0.1023	0.1205	41.2	47.6	46.5	18.9	3.8	3.8	1666.3	3332.7	1632.5	54	18.9	3.8
2128AZ1_76	321	156	0.5	0.0207	0.0047	0.0030	0.0002	0.0506	0.0117	20.8	4.7	4.7	19.1	1.1	1.1	220.6	441.2	494.1	8	19.1	1.1
2128AZ1_110	37	13	0.3	0.0406	0.0412	0.0030	0.0007	0.0979	0.1018	40.4	40.6	39.8	19.4	4.4	4.4	1584.4	3071.9	1495.7	52	19.4	4.4
2128AZ1_21	45	17	0.4	0.0337	0.0363	0.0031	0.0004	0.0792	0.0857	33.7	35.9	35.3	19.9	2.4	2.4	1175.9	2351.9	1619.5	41	19.9	2.4
2128AZ1_29	121	49	0.4	0.0231	0.0105	0.0031	0.0003	0.0540	0.0249	23.2	10.4	10.4	20.0	1.7	1.7	371.2	742.4	898.5	14	20.0	1.7
2128AZ1_91	516	262	0.5	0.0212	0.0044	0.0031	0.0001	0.0493	0.0103	21.3	4.4	4.3	20.1	0.9	0.9	163.7	327.4	455.2	6	20.1	0.9
2128AZ1_96	444	221	0.5	0.0214	0.0041	0.0031	0.0001	0.0496	0.0095	21.5	4.0	4.0	20.1	0.9	0.9	175.9	351.7	420.5	6	20.1	0.9
2128AZ1_5	99	35	0.4	0.0285	0.0147	0.0031	0.0002	0.0657	0.0343	28.5	14.6	14.5	20.2	1.6	1.6	797.5	1341.8	937.9	29	20.2	1.6
2128AZ1_101	119	57	0.5	0.0226	0.0132	0.0032	0.0003	0.0519	0.0306	22.7	13.2	13.1	20.3	2.1	2.1	282.2	564.5	1125.9	10	20.3	2.1
2128AZ1_75	67	32	0.5	0.0262	0.0207	0.0032	0.0005	0.0602	0.0482	26.3	20.6	20.3	20.3	2.9	2.9	610.0	1220.1	1377.7	23	20.3	2.9
2128AZ1_17	116	61	0.5	0.0243	0.0109	0.0032	0.0002	0.0552	0.0248	24.4	10.8	10.7	20.6	1.2	1.2	419.1	838.1	873.2	16	20.6	1.2
2128AZ1_71	78	32	0.4	0.0235	0.0141	0.0032	0.0004	0.0532	0.0322	23.6	14.1	14.0	20.7	2.4	2.4	336.2	672.3	1142.2	13	20.7	2.4
2128AZ1_88	86	34	0.4	0.0282	0.0181	0.0032	0.0003	0.0635	0.0412	28.2	17.9	17.8	20.7	1.9	1.9	726.5	1452.9	1139.1	27	20.7	1.9
2128AZ1_80	92	37	0.4	0.0292	0.0175	0.0032	0.0004	0.0653	0.0400	29.2	17.3	17.2	20.8	2.5	2.5	785.4	1570.9	1075.2	29	20.8	2.5
2128AZ1_94	91	38	0.4	0.0245	0.0151	0.0032	0.0004	0.0548	0.0340	24.6	15.0	14.9	20.9	2.6	2.6	404.5	809.0	1153.3	15	20.9	2.6
2128AZ1_63	140	75	0.5	0.0268	0.0104	0.0033	0.0002	0.0591	0.0233	26.8	10.3	10.3	21.1	1.6	1.6	571.6	995.8	757.7	21	21.1	1.6
2128AZ1_25	159	55	0.3	0.0256	0.0088	0.0033	0.0003	0.0562	0.0197	25.7	8.7	8.7	21.2	2.1	2.1	460.6	888.1	694.9	17	21.2	2.1
2128AZ1_81	178	60	0.3	0.0249	0.0106	0.0033	0.0002	0.0544	0.0235	25.0	10.6	10.5	21.4	1.6	1.6	388.1	776.2	848.2	14	21.4	1.6
2128AZ1_35	251	73	0.3	0.0229	0.0067	0.0033	0.0002	0.0497	0.0147	23.0	6.6	6.6	21.5	1.1	1.1	181.2	362.4	623.0	6	21.5	1.1
2128AZ1_16	92	30	0.3	0.0248	0.0150	0.0033	0.0003	0.0538	0.0328	24.9	14.9	14.8	21.5	1.9	1.9	360.7	721.3	1143.0	13	21.5	1.9
2128AZ1_24	169	55	0.3	0.0254	0.0106	0.0034	0.0002	0.0544	0.0229	25.4	10.5	10.4	21.7	1.5	1.5	389.4	778.7	826.9	14	21.7	1.5
2128AZ1_2	161	64	0.4	0.0261	0.0113	0.0034	0.0002	0.0551	0.0240	26.2	11.2	11.1	22.1	1.5	1.5	416.5	833.1	849.7	16	22.1	1.5
2128AZ1_82	91	53	0.6	0.0313	0.0173	0.0035	0.0003	0.0644	0.0360	31.2	17.1	16.9	22.7	2.0	2.0	753.5	1471.6	1000.0	27	22.7	2.0
2128AZ1_60	65	30	0.5	0.0294	0.0198	0.0035	0.0003	0.0603	0.0410	29.4	19.6	19.5	22.8	2.0	2.0	613.4	1226.7	1203.9	23	22.8	2.0
2128AZ1_50	51	15	0.3	0.0360	0.0263	0.0036	0.0004	0.0730	0.0540	35.9	25.9	25.6	23.0	2.6	2.6	1015.3	2029.4	1219.1	36	23.0	2.6
2128AZ1_85	42	9	0.2	0.0428	0.0361	0.0036	0.0005	0.0867	0.0740	42.6	35.5	34.8	23.0	3.1	3.1	1353.8	2344.8	1312.6	46	23.0	3.1
2128AZ1_46	100	21	0.2	0.0274	0.0132	0.0036	0.0003	0.0551	0.0269	27.5	13.1	13.0	23.2	1.9	1.9	417.1	834.2	936.3	15	23.2	1.9
2128AZ1_78	283	187	0.7	0.0265	0.0065	0.0037	0.0004	0.0527	0.0133	26.6	6.5	6.5	23.5	2.4	2.4	314.2	628.3	530.2	12	23.5	2.4
2128AZ1_95	28	7	0.3	0.0506	0.0538	0.0037	0.0007	0.1003	0.1082	50.1	52.6	51.3	23.5	4.7	4.7	1630.3	3239.7	1530.4	53	23.5	4.7
2128AZ1_73	24	6	0.2	0.0464	0.0503	0.0037	0.0007	0.0916	0.1004	46.1	49.4	48.2	23.7	4.4	4.4	1459.9	2919.7	1579.9	49	23.7	4.4
2128AZ1_3	84	36	0.4	0.0309	0.0176	0.0037	0.0004	0.0607	0.0351	30.9	17.4	17.2	23.7	2.5	2.5	629.3	1258.7	1048.7	23	23.7	2.5
2128AZ1_20	73	31	0.4	0.0306	0.0163	0.0037	0.0004	0.0600	0.0325	30.6	16.2	16.0	23.8	2.3	2.3	601.9	1203.8	997.7	22	23.8	2.3
2128AZ1_77	114	40	0.3	0.0275	0.0147	0.0037	0.0004	0.0537	0.0287	27.6	14.5	14.4	23.9	2.8	2.8	357.3	714.7	1022.8	13	23.9	2.8
2128AZ1_83	97	33	0.3	0.0288	0.0143	0.0038	0.0004	0.0556	0.0278	28.8	14.2	14.1	24.2	2.7	2.7	436.1	872.3	953.5	16	24.2	2.7
2128AZ1_72	136	33	0.2	0.0286	0.0130	0.0038	0.0004	0.0545	0.0252	28.6	12.9	12.8	24.4	2.7	2.7	392.8	785.6	897.8	15	24.4	2.7

2128AZ1_104	77	22	0.3	0.0282	0.0122	0.0038	0.0002	0.0538	0.0235	28.3	12.1	12.0	24.5	1.6	1.6	364.1	728.1	857.3	13	24.5	1.6
2128AZ1_40	133	31	0.2	0.0291	0.0110	0.0038	0.0003	0.0552	0.0211	29.1	10.9	10.8	24.6	1.6	1.6	419.0	838.1	757.8	15	24.6	1.6
2128AZ1_57	68	21	0.3	0.0294	0.0188	0.0039	0.0003	0.0551	0.0356	29.4	18.7	18.5	24.9	2.0	2.0	417.8	835.5	1188.4	15	24.9	2.0
2128AZ1_28	40	10	0.2	0.0257	0.0340	0.0039	0.0005	0.0481	0.0640	25.8	34.0	33.4	24.9	3.3	3.3	103.8	207.6	2191.0	3	24.9	3.3
2128AZ1_30	35	10	0.3	0.0398	0.0337	0.0039	0.0004	0.0744	0.0635	39.7	33.2	32.7	25.0	2.6	2.6	1052.6	2105.2	1363.7	37	25.0	2.6
2128AZ1_9	172	53	0.3	0.0298	0.0153	0.0039	0.0005	0.0556	0.0289	29.8	15.1	15.0	25.0	3.0	3.0	434.6	869.1	988.6	16	25.0	3.0
2128AZ1_53	176	71	0.4	0.0290	0.0077	0.0039	0.0002	0.0534	0.0143	29.0	7.6	7.5	25.3	1.4	1.4	346.4	671.9	556.0	13	25.3	1.4
2128AZ1_41	117	37	0.3	0.0277	0.0122	0.0040	0.0002	0.0505	0.0226	27.7	12.1	12.1	25.5	1.6	1.6	219.9	439.8	896.0	8	25.5	1.6
2128AZ1_32	98	29	0.3	0.0324	0.0170	0.0040	0.0003	0.0591	0.0313	32.4	16.8	16.6	25.6	2.2	2.2	571.8	1143.7	982.8	21	25.6	2.2
2128AZ1_15	386	350	0.9	0.0309	0.0067	0.0042	0.0002	0.0537	0.0117	30.9	6.6	6.6	26.9	1.0	1.0	356.9	534.2	458.2	13	26.9	1.0
2128AZ1_45	70	18	0.3	0.0312	0.0190	0.0042	0.0004	0.0541	0.0334	31.2	18.8	18.7	26.9	2.5	2.5	375.1	750.3	1152.0	14	26.9	2.5
2128AZ1_59	171	73	0.4	0.0316	0.0091	0.0042	0.0002	0.0547	0.0160	31.6	9.0	9.0	26.9	1.4	1.4	401.6	732.0	596.1	15	26.9	1.4
2128AZ1_102	229	74	0.3	0.0293	0.0066	0.0042	0.0002	0.0505	0.0116	29.3	6.5	6.5	27.0	1.1	1.1	217.6	435.2	490.5	8	27.0	1.1
2128AZ1_56	77	20	0.3	0.0330	0.0196	0.0043	0.0003	0.0554	0.0332	32.9	19.4	19.2	27.7	2.2	2.2	430.4	860.8	1114.4	16	27.7	2.2
2128AZ1_18	60	40	0.7	0.0436	0.0332	0.0043	0.0009	0.0732	0.0577	43.3	32.5	32.0	27.8	5.8	5.8	1018.5	2036.9	1285.1	36	27.8	5.8
2128AZ1_39	60	22	0.4	0.0346	0.0310	0.0043	0.0005	0.0577	0.0520	34.5	30.6	30.2	28.0	3.2	3.2	517.6	1035.1	1535.8	19	28.0	3.2
2128AZ1_42	103	38	0.4	0.0402	0.0161	0.0044	0.0003	0.0668	0.0272	40.0	15.7	15.6	28.0	2.1	2.1	832.0	986.2	749.2	30	28.0	2.1
2128AZ1_68	82	28	0.3	0.0351	0.0154	0.0044	0.0004	0.0583	0.0260	35.0	15.1	15.0	28.1	2.5	2.5	541.4	1082.8	848.9	20	28.1	2.5
2128AZ1_26	223	26	0.1	0.0316	0.0069	0.0044	0.0002	0.0520	0.0115	31.6	6.8	6.8	28.3	1.2	1.2	286.9	546.7	467.7	10	28.3	1.2
2128AZ1_1	85	38	0.4	0.0366	0.0211	0.0045	0.0004	0.0593	0.0346	36.5	20.7	20.5	28.8	2.8	2.8	577.2	1154.4	1065.3	21	28.8	2.8
2128AZ1_97	36	11	0.3	0.0448	0.0494	0.0047	0.0007	0.0690	0.0766	44.5	48.6	47.5	30.3	4.2	4.2	900.1	1800.2	1709.8	32	30.3	4.2
2128AZ1_92	31	9	0.3	0.0429	0.0454	0.0048	0.0006	0.0653	0.0697	42.6	44.7	43.8	30.6	3.8	3.8	785.1	1570.2	1684.5	28	30.6	3.8
2128AZ1_10	266	59	0.2	0.0437	0.0086	0.0063	0.0003	0.0500	0.0100	43.5	8.3	8.3	40.8	1.9	1.9	193.8	387.5	432.7	6	40.8	1.9
2128AZ1_69	326	111	0.3	0.0764	0.0103	0.0110	0.0010	0.0504	0.0066	74.7	9.7	9.7	70.4	6.4	6.4	214.6	319.1	290.6	6	70.4	6.4
2128AZ1_31	1706	381	0.2	0.0747	0.0033	0.0112	0.0003	0.0486	0.0022	73.2	3.2	3.2	71.5	1.7	1.7	127.5	106.3	103.0	2	71.5	1.7
2128AZ1_74	154	81	0.5	0.8603	0.0429	0.0999	0.0041	0.0625	0.0034	630.3	23.5	23.3	613.7	23.9	23.9	690.2	118.7	114.4	3	613.7	23.9
2128AZ1_61	99	31	0.3	0.8850	0.0451	0.1056	0.0030	0.0608	0.0031	643.7	24.5	24.2	647.2	17.6	17.6	631.5	113.0	109.1	-1	647.2	17.6
2128AZ1_98	103	95	0.9	1.5754	0.0720	0.1606	0.0054	0.0712	0.0033	960.6	28.6	28.2	959.9	29.9	29.8	962.1	95.6	92.7	0	959.9	29.9
2128AZ1_87	148	77	0.5	4.2322	0.1136	0.2958	0.0060	0.1038	0.0028	1680.3	22.2	21.9	1670.6	29.9	29.8	1692.4	49.8	49.0	1	1692.4	49.8
2128AZ1_12	111	53	0.5	5.7716	0.1452	0.3501	0.0059	0.1196	0.0030	1942.2	21.9	21.7	1935.0	28.1	28.0	1949.8	45.4	44.7	0	1949.8	45.4
13ECC12B (n=108)																					
2129AZ1_19	31	8	0.3	0.0233	0.0397	0.0010	0.0004	0.1632	0.2846	23.4	39.8	39.1	6.7	2.4	2.4	2488.9	4977.8	2018.9	71	6.7	2.4
2129AZ1_4	27	6	0.2	0.0355	0.0564	0.0011	0.0005	0.2361	0.3926	35.4	56.1	54.6	7.0	3.4	3.4	3093.9	6187.7	1863.8	80	7.0	3.4
2129AZ1_109	25	6	0.2	0.0282	0.0370	0.0012	0.0004	0.1728	0.2339	28.3	36.9	36.2	7.6	2.5	2.5	2585.4	4273.9	1662.2	73	7.6	2.5
2129AZ1_101	165	109	0.7	0.0116	0.0074	0.0013	0.0002	0.0651	0.0418	11.7	7.4	7.4	8.3	1.1	1.1	778.8	1557.7	1121.3	29	8.3	1.1
2129AZ1_86	190	127	0.7	0.0121	0.0078	0.0013	0.0002	0.0679	0.0439	12.3	7.8	7.8	8.4	1.1	1.1	864.9	1729.9	1113.2	32	8.4	1.1
2129AZ1_91	31	8	0.3	0.0258	0.0430	0.0013	0.0004	0.1418	0.2403	25.8	43.0	42.1	8.5	2.5	2.5	2249.9	4499.8	2017.9	67	8.5	2.5
2129AZ1_37	191	128	0.7	0.0124	0.0077	0.0013	0.0002	0.0675	0.0422	12.5	7.7	7.7	8.6	1.1	1.1	853.1	1670.9	1085.1	31	8.6	1.1
2129AZ1_70	89	28	0.3	0.0127	0.0161	0.0014	0.0002	0.0679	0.0872	12.8	16.2	16.1	8.7	1.5	1.5	867.0	1734.0	1916.2	32	8.7	1.5
2129AZ1_53	193	99	0.5	0.0113	0.0072	0.0014	0.0002	0.0591	0.0382	11.4	7.3	7.2	8.9	1.0	1.0	570.5	1141.0	1163.1	22	8.9	1.0
2129AZ1_6	25	6	0.2	0.0331	0.0391	0.0015	0.0004	0.1649	0.2007	33.0	38.8	38.1	9.4	2.7	2.7	2506.1	3495.8	1543.7	72	9.4	2.7
2129AZ1_73	84	23	0.3	0.0161	0.0163	0.0015	0.0002	0.0801	0.0820	16.2	16.4	16.2	9.4	1.3	1.3	1198.6	2397.2	1547.1	42	9.4	1.3
2129AZ1_42	105	60	0.6	0.0138	0.0113	0.0015	0.0002	0.0682	0.0566	13.9	11.4	11.3	9.4	1.0	1.0	874.0	1748.0	1366.2	32	9.4	1.0

2129AZ1_106	431	198	0.5	0.0102	0.0043	0.0015	0.0002	0.0502	0.0217	10.3	4.4	4.4	9.5	1.0	1.0	204.7	409.5	872.9	8	9.5	1.0
2129AZ1_46	29	6	0.2	0.0308	0.0431	0.0015	0.0004	0.1518	0.2175	30.8	42.9	42.0	9.5	2.8	2.8	2366.3	4732.6	1767.2	69	9.5	2.8
2129AZ1_47	431	198	0.5	0.0104	0.0043	0.0015	0.0002	0.0510	0.0213	10.5	4.3	4.3	9.5	1.0	1.0	238.9	477.7	844.7	9	9.5	1.0
2129AZ1_15	373	169	0.5	0.0101	0.0040	0.0015	0.0001	0.0493	0.0196	10.2	4.0	4.0	9.6	0.9	0.9	163.0	325.9	818.4	6	9.6	0.9
2129AZ1_67	68	22	0.3	0.0167	0.0193	0.0015	0.0003	0.0811	0.0947	16.8	19.4	19.2	9.6	1.6	1.6	1224.7	2449.4	1705.2	43	9.6	1.6
2129AZ1_58	123	71	0.6	0.0160	0.0110	0.0015	0.0002	0.0775	0.0540	16.1	11.1	11.0	9.6	1.0	1.0	1134.1	1834.0	1143.6	40	9.6	1.0
2129AZ1_60	83	39	0.5	0.0182	0.0196	0.0015	0.0002	0.0872	0.0940	18.3	19.6	19.4	9.8	1.1	1.1	1365.5	2731.0	1577.1	47	9.8	1.1
2129AZ1_38	202	89	0.4	0.0117	0.0058	0.0015	0.0002	0.0557	0.0282	11.8	5.9	5.8	9.8	1.4	1.4	439.9	879.8	964.0	17	9.8	1.4
2129AZ1_22	307	152	0.5	0.0112	0.0043	0.0015	0.0001	0.0529	0.0205	11.3	4.3	4.3	9.9	0.7	0.7	323.2	646.4	778.3	12	9.9	0.7
2129AZ1_45	56	22	0.4	0.0207	0.0289	0.0016	0.0004	0.0970	0.1368	20.8	28.9	28.5	10.0	2.4	2.4	1566.3	3132.6	1889.5	52	10.0	2.4
2129AZ1_84	202	89	0.4	0.0119	0.0062	0.0016	0.0002	0.0557	0.0294	12.0	6.2	6.2	10.0	1.5	1.5	440.9	881.9	1000.3	17	10.0	1.5
2129AZ1_77	307	152	0.5	0.0112	0.0044	0.0016	0.0001	0.0521	0.0208	11.3	4.4	4.4	10.0	0.7	0.7	291.4	582.8	801.0	11	10.0	0.7
2129AZ1_24	82	19	0.2	0.0172	0.0186	0.0016	0.0002	0.0800	0.0874	17.3	18.7	18.5	10.0	1.2	1.2	1197.8	2395.6	1626.1	42	10.0	1.2
2129AZ1_100	83	20	0.2	0.0161	0.0194	0.0016	0.0002	0.0746	0.0905	16.2	19.5	19.3	10.1	1.3	1.3	1058.0	2116.0	1792.7	38	10.1	1.3
2129AZ1_82	71	16	0.2	0.0157	0.0173	0.0016	0.0002	0.0721	0.0799	15.8	17.4	17.2	10.2	1.1	1.1	988.1	1976.3	1688.8	36	10.2	1.1
2129AZ1_98	27	8	0.3	0.0279	0.0474	0.0016	0.0005	0.1242	0.2145	27.9	47.4	46.3	10.5	3.1	3.1	2017.9	4035.8	2088.6	62	10.5	3.1
2129AZ1_21	29	8	0.3	0.0353	0.0414	0.0016	0.0006	0.1554	0.1907	35.2	41.0	40.2	10.6	3.8	3.8	2406.5	3601.0	1566.5	70	10.6	3.8
2129AZ1_88	25	7	0.3	0.0299	0.0401	0.0017	0.0006	0.1312	0.1815	30.0	39.9	39.2	10.7	3.7	3.7	2114.2	4228.4	1761.7	64	10.7	3.7
2129AZ1_78	46	10	0.2	0.0310	0.0338	0.0017	0.0003	0.1349	0.1494	31.0	33.6	33.0	10.7	2.1	2.1	2163.3	3100.8	1478.8	65	10.7	2.1
2129AZ1_102	24	6	0.3	0.0360	0.0629	0.0017	0.0005	0.1558	0.2755	35.9	62.6	60.7	10.8	3.0	3.0	2410.9	4821.9	2051.7	70	10.8	3.0
2129AZ1_75	44	14	0.3	0.0199	0.0268	0.0017	0.0003	0.0857	0.1168	20.0	26.9	26.5	10.8	2.2	2.2	1332.3	2664.5	1890.4	46	10.8	2.2
2129AZ1_51	39	9	0.2	0.0258	0.0356	0.0017	0.0003	0.1111	0.1549	25.9	35.6	35.0	10.9	2.2	2.2	1817.1	3634.3	1824.0	58	10.9	2.2
2129AZ1_29	46	10	0.2	0.0299	0.0366	0.0017	0.0004	0.1282	0.1590	30.0	36.4	35.8	10.9	2.3	2.3	2073.0	3880.2	1628.5	64	10.9	2.3
2129AZ1_23	45	13	0.3	0.0242	0.0335	0.0017	0.0004	0.1017	0.1429	24.3	33.5	33.0	11.1	2.7	2.7	1656.1	3312.2	1865.5	54	11.1	2.7
2129AZ1_40	31	6	0.2	0.0315	0.0468	0.0017	0.0005	0.1316	0.1988	31.5	46.6	45.6	11.2	3.2	3.2	2119.4	4238.8	1879.4	64	11.2	3.2
2129AZ1_35	40	11	0.3	0.0329	0.0357	0.0017	0.0004	0.1374	0.1519	32.9	35.4	34.8	11.2	2.6	2.6	2194.7	3077.7	1472.6	66	11.2	2.6
2129AZ1_64	163	76	0.5	0.0121	0.0093	0.0018	0.0002	0.0495	0.0382	12.3	9.3	9.3	11.5	1.1	1.1	170.2	340.3	1430.1	6	11.5	1.1
2129AZ1_50	98	34	0.4	0.0142	0.0136	0.0018	0.0002	0.0574	0.0555	14.3	13.7	13.6	11.5	1.4	1.4	506.7	1013.3	1624.1	19	11.5	1.4
2129AZ1_81	40	11	0.3	0.0324	0.0359	0.0019	0.0004	0.1264	0.1419	32.4	35.6	35.0	12.0	2.6	2.6	2048.1	3238.3	1512.3	63	12.0	2.6
2129AZ1_104	133	84	0.6	0.0146	0.0085	0.0019	0.0002	0.0564	0.0335	14.7	8.6	8.5	12.1	1.1	1.1	468.6	937.2	1098.5	18	12.1	1.1
2129AZ1_48	24	6	0.3	0.0370	0.0652	0.0019	0.0005	0.1407	0.2507	36.9	64.8	62.8	12.3	3.2	3.2	2235.8	4471.5	2094.0	67	12.3	3.2
2129AZ1_76	85	32	0.4	0.0186	0.0166	0.0019	0.0002	0.0705	0.0636	18.8	16.7	16.5	12.3	1.6	1.6	943.2	1886.4	1445.6	34	12.3	1.6
2129AZ1_9	133	84	0.6	0.0149	0.0086	0.0019	0.0002	0.0565	0.0329	15.1	8.6	8.6	12.4	1.1	1.1	470.5	940.9	1081.4	18	12.4	1.1
2129AZ1_36	73	27	0.4	0.0193	0.0153	0.0019	0.0002	0.0723	0.0583	19.4	15.3	15.2	12.4	1.4	1.4	995.7	1991.5	1311.0	36	12.4	1.4
2129AZ1_63	115	71	0.6	0.0143	0.0080	0.0019	0.0002	0.0535	0.0304	14.4	8.0	8.0	12.5	1.1	1.1	351.0	701.9	1078.0	13	12.5	1.1
2129AZ1_10	84	32	0.4	0.0191	0.0167	0.0019	0.0002	0.0716	0.0631	19.2	16.7	16.6	12.5	1.6	1.6	975.7	1951.3	1413.6	35	12.5	1.6
2129AZ1_26	49	13	0.3	0.0286	0.0282	0.0020	0.0004	0.1051	0.1061	28.6	28.0	27.6	12.7	2.8	2.8	1715.8	2860.0	1440.6	56	12.7	2.8
2129AZ1_1	27	8	0.3	0.0354	0.0490	0.0020	0.0005	0.1301	0.1831	35.3	48.6	47.5	12.7	3.3	3.3	2099.8	4199.7	1786.4	64	12.7	3.3
2129AZ1_54	23	7	0.3	0.0340	0.0457	0.0020	0.0005	0.1246	0.1703	33.9	45.4	44.4	12.7	3.0	3.0	2023.5	4046.9	1760.5	62	12.7	3.0
2129AZ1_8	38	17	0.4	0.0307	0.0387	0.0021	0.0003	0.1087	0.1379	30.7	38.5	37.7	13.2	2.2	2.2	1777.6	3555.2	1707.0	57	13.2	2.2
2129AZ1_92	31	8	0.2	0.0268	0.0446	0.0022	0.0006	0.0898	0.1512	26.9	44.6	43.7	13.9	3.6	3.6	1421.4	2842.7	2180.6	48	13.9	3.6
2129AZ1_32	67	25	0.4	0.0223	0.0179	0.0022	0.0003	0.0739	0.0602	22.3	17.9	17.7	14.1	1.9	1.9	1039.9	2079.9	1314.9	37	14.1	1.9
2129AZ1_5	31	8	0.2	0.0284	0.0450	0.0022	0.0006	0.0943	0.1515	28.4	44.9	44.0	14.1	3.6	3.6	1514.2	3028.4	2088.1	51	14.1	3.6

2129AZ1_11	57	21	0.4	0.0216	0.0163	0.0022	0.0003	0.0710	0.0542	21.7	16.3	16.2	14.2	1.7	1.7	958.3	1916.6	1260.7	35	14.2	1.7
2129AZ1_61	75	25	0.3	0.0233	0.0245	0.0022	0.0003	0.0764	0.0811	23.4	24.5	24.2	14.2	2.0	2.0	1104.3	2208.6	1609.9	39	14.2	2.0
2129AZ1_87	66	24	0.4	0.0214	0.0180	0.0022	0.0003	0.0699	0.0593	21.5	18.0	17.8	14.3	1.9	1.9	926.0	1852.0	1379.9	34	14.3	1.9
2129AZ1_18	66	22	0.3	0.0199	0.0236	0.0022	0.0003	0.0650	0.0774	20.0	23.6	23.3	14.3	1.9	1.9	772.9	1545.8	1835.7	28	14.3	1.9
2129AZ1_28	39	11	0.3	0.0384	0.0452	0.0022	0.0005	0.1251	0.1497	38.2	44.7	43.7	14.3	3.1	3.1	2030.0	3650.2	1591.7	63	14.3	3.1
2129AZ1_93	38	11	0.3	0.0354	0.0477	0.0023	0.0005	0.1126	0.1539	35.3	47.4	46.3	14.7	3.2	3.2	1841.2	3682.3	1793.6	58	14.7	3.2
2129AZ1_57	27	6	0.2	0.0292	0.0424	0.0023	0.0005	0.0925	0.1359	29.2	42.3	41.4	14.7	3.4	3.4	1477.4	2954.9	1965.9	50	14.7	3.4
2129AZ1_66	70	33	0.5	0.0235	0.0200	0.0024	0.0003	0.0717	0.0616	23.6	20.0	19.8	15.3	1.8	1.8	978.7	1957.3	1384.2	35	15.3	1.8
2129AZ1_108	60	28	0.5	0.0220	0.0183	0.0024	0.0003	0.0660	0.0553	22.1	18.2	18.1	15.6	1.6	1.6	805.6	1611.3	1389.8	30	15.6	1.6
2129AZ1_49	101	42	0.4	0.0193	0.0145	0.0024	0.0003	0.0573	0.0433	19.4	14.5	14.4	15.7	1.8	1.8	503.3	1006.6	1334.9	19	15.7	1.8
2129AZ1_79	101	42	0.4	0.0194	0.0140	0.0025	0.0003	0.0572	0.0417	19.5	14.0	13.9	15.8	1.7	1.7	498.3	996.6	1297.2	19	15.8	1.7
2129AZ1_56	60	12	0.2	0.0284	0.0250	0.0026	0.0004	0.0792	0.0705	28.4	24.8	24.5	16.7	2.4	2.4	1177.6	2355.3	1388.4	41	16.7	2.4
2129AZ1_72	33	12	0.4	0.0300	0.0473	0.0026	0.0006	0.0832	0.1324	30.0	47.1	46.1	16.8	3.7	3.7	1274.0	2548.1	2130.1	44	16.8	3.7
2129AZ1_3	20	5	0.3	0.0370	0.0701	0.0026	0.0007	0.1026	0.1965	36.9	69.8	67.5	16.8	4.7	4.7	1671.5	3343.0	2322.9	54	16.8	4.7
2129AZ1_41	51	11	0.2	0.0258	0.0236	0.0026	0.0003	0.0707	0.0653	25.9	23.5	23.3	17.1	2.2	2.2	947.4	1894.7	1473.2	34	17.1	2.2
2129AZ1_25	103	19	0.2	0.0257	0.0156	0.0028	0.0002	0.0663	0.0406	25.8	15.5	15.4	18.1	1.6	1.6	815.8	1631.6	1071.5	30	18.1	1.6
2129AZ1_89	20	5	0.3	0.0400	0.0684	0.0028	0.0007	0.1021	0.1767	39.8	67.9	65.7	18.3	4.6	4.6	1663.5	3327.1	2165.6	54	18.3	4.6
2129AZ1_83	88	16	0.2	0.0250	0.0146	0.0029	0.0002	0.0634	0.0373	25.0	14.5	14.4	18.4	1.5	1.4	721.3	1442.7	1050.9	27	18.4	1.5
2129AZ1_105	407	27	0.1	0.0203	0.0040	0.0029	0.0001	0.0513	0.0103	20.4	4.0	4.0	18.5	0.7	0.7	256.3	496.3	430.5	10	18.5	0.7
2129AZ1_62	476	32	0.1	0.0205	0.0040	0.0029	0.0001	0.0513	0.0103	20.6	4.0	4.0	18.6	0.8	0.8	255.2	495.9	430.2	9	18.6	0.8
2129AZ1_17	67	23	0.3	0.0276	0.0249	0.0029	0.0003	0.0686	0.0622	27.7	24.7	24.4	18.8	2.2	2.2	885.6	1771.2	1465.2	32	18.8	2.2
2129AZ1_99	67	23	0.3	0.0267	0.0252	0.0029	0.0003	0.0659	0.0625	26.8	25.0	24.7	18.9	2.2	2.2	804.6	1609.1	1532.7	29	18.9	2.2
2129AZ1_110	39	13	0.3	0.0380	0.0327	0.0030	0.0005	0.0928	0.0815	37.9	32.2	31.7	19.1	3.4	3.4	1484.1	2393.4	1323.0	50	19.1	3.4
2129AZ1_16	39	13	0.3	0.0386	0.0325	0.0030	0.0005	0.0932	0.0800	38.5	32.0	31.5	19.3	3.4	3.4	1492.4	2309.4	1297.3	50	19.3	3.4
2129AZ1_74	34	11	0.3	0.0354	0.0314	0.0031	0.0005	0.0836	0.0754	35.4	31.1	30.6	19.8	3.3	3.3	1283.1	2566.1	1384.8	44	19.8	3.3
2129AZ1_97	41	24	0.6	0.0431	0.0376	0.0031	0.0005	0.1016	0.0901	42.8	37.0	36.3	19.8	3.1	3.1	1652.7	2361.4	1308.1	54	19.8	3.1
2129AZ1_103	33	9	0.3	0.0426	0.0522	0.0031	0.0007	0.0998	0.1245	42.3	51.5	50.2	19.9	4.5	4.5	1619.8	3239.6	1714.2	53	19.9	4.5
2129AZ1_7	41	23	0.6	0.0435	0.0370	0.0031	0.0005	0.1010	0.0872	43.2	36.3	35.6	20.1	3.1	3.1	1642.8	2270.9	1280.8	54	20.1	3.1
2129AZ1_31	69	32	0.5	0.0271	0.0184	0.0031	0.0004	0.0628	0.0431	27.2	18.2	18.1	20.2	2.5	2.5	702.3	1404.6	1197.6	26	20.2	2.5
2129AZ1_59	35	20	0.6	0.0405	0.0348	0.0031	0.0004	0.0935	0.0814	40.3	34.2	33.6	20.2	2.9	2.9	1498.1	2355.7	1311.2	50	20.2	2.9
2129AZ1_20	33	9	0.3	0.0413	0.0512	0.0031	0.0007	0.0951	0.1199	41.1	50.6	49.4	20.3	4.5	4.5	1530.9	3061.7	1743.8	51	20.3	4.5
2129AZ1_85	70	33	0.5	0.0252	0.0175	0.0032	0.0004	0.0577	0.0405	25.2	17.4	17.3	20.4	2.3	2.3	517.2	1034.4	1255.7	19	20.4	2.3
2129AZ1_12	69	43	0.6	0.0274	0.0218	0.0032	0.0003	0.0618	0.0495	27.4	21.7	21.4	20.7	2.0	2.0	667.3	1334.7	1367.3	25	20.7	2.0
2129AZ1_68	86	63	0.7	0.0237	0.0132	0.0032	0.0003	0.0534	0.0301	23.7	13.2	13.1	20.7	1.7	1.7	345.3	690.5	1074.2	13	20.7	1.7
2129AZ1_13	99	74	0.7	0.0254	0.0136	0.0032	0.0003	0.0572	0.0310	25.5	13.5	13.5	20.8	1.8	1.8	497.9	995.7	1013.8	19	20.8	1.8
2129AZ1_94	98	74	0.7	0.0250	0.0143	0.0032	0.0003	0.0560	0.0324	25.0	14.2	14.1	20.8	1.9	1.9	452.2	904.5	1078.2	17	20.8	1.9
2129AZ1_44	28	7	0.3	0.0393	0.0475	0.0032	0.0006	0.0882	0.1078	39.2	46.9	45.8	20.8	4.1	4.1	1386.4	2772.8	1732.5	47	20.8	4.1
2129AZ1_90	69	43	0.6	0.0272	0.0220	0.0033	0.0003	0.0601	0.0490	27.2	21.9	21.6	21.1	2.0	2.0	606.6	1213.3	1398.0	22	21.1	2.0
2129AZ1_65	167	36	0.2	0.0246	0.0090	0.0033	0.0003	0.0536	0.0201	24.7	9.0	8.9	21.4	1.7	1.7	356.1	712.1	749.8	13	21.4	1.7
2129AZ1_71	129	28	0.2	0.0254	0.0117	0.0033	0.0003	0.0552	0.0257	25.5	11.6	11.5	21.5	1.6	1.6	420.5	840.9	899.6	16	21.5	1.6
2129AZ1_95	16	9	0.6	0.0713	0.1130	0.0034	0.0011	0.1529	0.2478	69.9	110.0	104.4	21.8	7.3	7.3	2378.7	4757.5	1932.6	69	21.8	7.3
2129AZ1_39	90	35	0.4	0.0308	0.0167	0.0035	0.0004	0.0632	0.0344	30.8	16.5	16.4	22.7	2.8	2.8	716.0	1431.8	982.7	26	22.7	2.8
2129AZ1_33	77	29	0.4	0.0309	0.0150	0.0036	0.0004	0.0631	0.0307	30.9	14.8	14.7	22.9	2.5	2.5	711.5	1250.2	893.8	26	22.9	2.5

2129AZ1_2	16	9	0.6	0.0713	0.1213	0.0036	0.0012	0.1451	0.2518	69.9	118.3	111.8	22.9	7.9	7.9	2288.7	4577.4	2045.7	67	22.9	7.9
2129AZ1_43	59	30	0.5	0.0314	0.0206	0.0036	0.0005	0.0636	0.0423	31.4	20.3	20.1	23.0	3.3	3.3	728.1	1456.3	1163.3	27	23.0	3.3
2129AZ1_55	14	7	0.5	0.0651	0.1222	0.0036	0.0012	0.1301	0.2480	64.1	120.0	113.3	23.4	7.9	7.9	2099.7	4199.5	2222.2	64	23.4	7.9
2129AZ1_80	59	30	0.5	0.0348	0.0204	0.0036	0.0005	0.0691	0.0412	34.7	20.1	19.9	23.5	3.2	3.2	900.7	1557.1	1035.4	32	23.5	3.2
2129AZ1_69	25	7	0.3	0.0476	0.0663	0.0037	0.0009	0.0926	0.1311	47.2	65.3	63.3	24.0	6.0	6.0	1479.5	2958.9	1912.5	49	24.0	6.0
2129AZ1_107	60	14	0.2	0.0382	0.0223	0.0039	0.0004	0.0704	0.0415	38.1	21.9	21.7	25.3	2.4	2.4	941.4	1522.1	1019.1	34	25.3	2.4
2129AZ1_14	82	18	0.2	0.0288	0.0191	0.0041	0.0004	0.0514	0.0344	28.8	18.9	18.7	26.1	2.6	2.6	257.7	515.4	1256.4	9	26.1	2.6
2129AZ1_30	60	14	0.2	0.0425	0.0242	0.0041	0.0004	0.0754	0.0435	42.3	23.8	23.5	26.3	2.6	2.6	1078.2	1448.7	983.3	38	26.3	2.6
2129AZ1_34	66	24	0.4	0.0313	0.0188	0.0041	0.0005	0.0550	0.0333	31.3	18.6	18.4	26.6	2.9	2.9	410.6	821.2	1129.9	15	26.6	2.9
2129AZ1_52	516	145	0.3	0.0752	0.0068	0.0109	0.0004	0.0500	0.0046	73.7	6.4	6.4	69.9	2.3	2.3	196.6	220.3	206.3	5	69.9	2.3
13ECC34 (n=112)																					
21210AZ1_106	48	10	0.2	0.0167	0.0257	0.0013	0.0003	0.0964	0.1506	16.8	25.9	25.5	8.1	1.8	1.8	1556.3	3112.5	2036.4	52	8.1	1.8
21210AZ1_52	318	129	0.4	0.0100	0.0056	0.0013	0.0001	0.0549	0.0308	10.1	5.6	5.6	8.5	0.8	0.8	406.2	812.4	1058.9	16	8.5	0.8
21210AZ1_33	274	110	0.4	0.0098	0.0050	0.0013	0.0001	0.0530	0.0272	9.9	5.0	5.0	8.6	0.7	0.7	327.6	655.2	992.7	13	8.6	0.7
21210AZ1_99	27	5	0.2	0.0233	0.0481	0.0014	0.0005	0.1238	0.2591	23.4	46.7	47.2	8.8	2.9	2.9	2011.0	4022.1	2389.3	62	8.8	2.9
21210AZ1_84	40	16	0.4	0.0245	0.0314	0.0014	0.0003	0.1294	0.1679	24.6	31.3	30.8	8.9	2.1	2.1	2089.5	4179.0	1683.3	64	8.9	2.1
21210AZ1_107	202	36	0.2	0.0106	0.0062	0.0014	0.0001	0.0540	0.0316	10.7	6.2	6.2	9.1	0.6	0.6	370.9	741.9	1103.9	14	9.1	0.6
21210AZ1_22	23	4	0.2	0.0226	0.0431	0.0014	0.0004	0.1152	0.2228	22.6	43.3	42.4	9.1	2.6	2.6	1883.0	3766.0	2290.3	60	9.1	2.6
21210AZ1_14	123	86	0.7	0.0106	0.0089	0.0014	0.0002	0.0543	0.0459	10.7	9.0	8.9	9.2	1.1	1.1	382.3	764.5	1489.3	15	9.2	1.1
21210AZ1_86	211	50	0.2	0.0099	0.0069	0.0015	0.0001	0.0494	0.0348	10.0	7.0	6.9	9.3	0.9	0.9	167.0	334.1	1330.1	6	9.3	0.9
21210AZ1_44	180	42	0.2	0.0106	0.0065	0.0015	0.0001	0.0525	0.0324	10.7	6.5	6.5	9.5	0.8	0.8	308.7	617.4	1164.9	12	9.5	0.8
21210AZ1_89	167	59	0.4	0.0120	0.0066	0.0015	0.0001	0.0591	0.0327	12.1	6.6	6.6	9.5	0.7	0.7	571.5	1143.0	1018.0	22	9.5	0.7
21210AZ1_100	74	50	0.7	0.0147	0.0165	0.0015	0.0002	0.0706	0.0796	14.8	16.5	16.4	9.7	1.4	1.4	944.8	1889.6	1721.8	34	9.7	1.4
21210AZ1_70	77	49	0.6	0.0160	0.0188	0.0015	0.0002	0.0755	0.0893	16.1	18.9	18.7	9.9	1.5	1.5	1083.1	2166.1	1752.4	39	9.9	1.5
21210AZ1_20	156	52	0.3	0.0154	0.0101	0.0016	0.0002	0.0720	0.0478	15.5	10.1	10.1	10.0	1.1	1.1	984.9	1765.5	1120.6	36	10.0	1.1
21210AZ1_47	81	29	0.4	0.0172	0.0146	0.0016	0.0002	0.0799	0.0683	17.3	14.6	14.5	10.1	1.1	1.1	1195.7	2391.3	1340.1	42	10.1	1.1
21210AZ1_8	145	48	0.3	0.0137	0.0107	0.0016	0.0002	0.0630	0.0497	13.8	10.8	10.7	10.2	1.0	1.0	708.1	1416.2	1341.1	26	10.2	1.0
21210AZ1_34	125	41	0.3	0.0128	0.0097	0.0016	0.0001	0.0589	0.0446	12.9	9.7	9.6	10.2	0.9	0.9	564.0	1128.0	1325.8	21	10.2	0.9
21210AZ1_48	139	46	0.3	0.0134	0.0096	0.0016	0.0002	0.0611	0.0443	13.5	9.6	9.6	10.2	1.0	1.0	643.0	1286.0	1264.0	24	10.2	1.0
21210AZ1_19	224	60	0.3	0.0106	0.0056	0.0016	0.0001	0.0486	0.0258	10.7	5.6	5.6	10.2	0.8	0.8	129.0	258.0	1056.0	5	10.2	0.8
21210AZ1_62	94	34	0.4	0.0185	0.0157	0.0016	0.0002	0.0845	0.0722	18.6	15.7	15.6	10.2	1.2	1.2	1303.4	2373.9	1323.1	45	10.2	1.2
21210AZ1_6	257	70	0.3	0.0113	0.0061	0.0016	0.0001	0.0516	0.0280	11.4	6.1	6.1	10.3	0.8	0.8	266.8	533.6	1052.9	10	10.3	0.8
21210AZ1_95	31	14	0.5	0.0251	0.0437	0.0016	0.0006	0.1131	0.2015	25.2	43.7	42.8	10.4	4.0	4.0	1849.3	3698.5	2170.7	59	10.4	4.0
21210AZ1_90	38	14	0.4	0.0219	0.0268	0.0016	0.0004	0.0975	0.1214	22.0	26.8	26.5	10.5	2.3	2.3	1577.4	3154.8	1719.2	52	10.5	2.3
21210AZ1_65	196	59	0.3	0.0136	0.0076	0.0017	0.0002	0.0595	0.0334	13.7	7.6	7.6	10.7	1.0	1.0	585.3	1170.6	1029.9	22	10.7	1.0
21210AZ1_49	71	16	0.2	0.0164	0.0156	0.0017	0.0002	0.0682	0.0657	16.5	15.7	15.5	11.2	1.4	1.4	874.1	1748.1	1537.7	32	11.2	1.4
21210AZ1_12	83	19	0.2	0.0163	0.0175	0.0018	0.0003	0.0675	0.0730	16.4	17.5	17.4	11.3	1.6	1.6	853.3	1706.5	1687.6	31	11.3	1.6
21210AZ1_4	26	12	0.5	0.0254	0.0440	0.0018	0.0006	0.1050	0.1852	25.5	44.0	43.1	11.3	4.0	4.0	1715.1	3430.2	2183.7	56	11.3	4.0
21210AZ1_23	138	94	0.7	0.0166	0.0101	0.0020	0.0002	0.0609	0.0376	16.7	10.2	10.1	12.7	1.2	1.2	635.0	1270.1	1109.1	24	12.7	1.2
21210AZ1_54	119	79	0.7	0.0169	0.0091	0.0020	0.0002	0.0613	0.0333	17.0	9.1	9.0	12.9	1.0	1.0	649.1	1298.2	992.4	24	12.9	1.0
21210AZ1_98	54	14	0.3	0.0204	0.0279	0.0020	0.0004	0.0735	0.1015	20.5	27.9	27.5	12.9	2.4	2.4	1027.9	2055.9	1980.8	37	12.9	2.4
21210AZ1_36	2311	579	0.3	0.0137	0.0012	0.0020	0.0001	0.0487	0.0043	13.8	1.2	1.2	13.1	0.4	0.4	131.2	213.3	200.3	5	13.1	0.4
21210AZ1_55	47	20	0.4	0.0202	0.0250	0.0020	0.0003	0.0717	0.0895	20.3	25.0	24.7	13.2	2.2	2.2	977.6	1955.2	1849.1	35	13.2	2.2

21210AZ1_83	2664	676	0.3	0.0136	0.0013	0.0021	0.0001	0.0479	0.0046	13.7	1.3	1.3	13.2	0.4	0.4	96.6	193.2	218.3	3	13.2	0.4
21210AZ1_105	169	67	0.4	0.0142	0.0080	0.0021	0.0002	0.0496	0.0284	14.3	8.0	8.0	13.3	1.2	1.2	174.3	348.5	1118.0	7	13.3	1.2
21210AZ1_11	46	12	0.3	0.0187	0.0257	0.0021	0.0003	0.0645	0.0890	18.9	25.8	25.5	13.6	2.2	2.2	758.8	1517.6	2049.4	28	13.6	2.2
21210AZ1_109	24	4	0.2	0.0331	0.0440	0.0022	0.0004	0.1084	0.1455	33.1	43.7	42.8	14.3	2.8	2.8	1772.5	3545.0	1782.0	57	14.3	2.8
21210AZ1_58	51	15	0.3	0.0193	0.0201	0.0023	0.0003	0.0623	0.0654	19.4	20.1	19.9	14.5	1.9	1.9	686.0	1371.9	1685.3	26	14.5	1.9
21210AZ1_77	59	18	0.3	0.0191	0.0221	0.0023	0.0003	0.0614	0.0718	19.2	22.2	21.9	14.5	2.1	2.1	653.0	1306.1	1839.3	24	14.5	2.1
21210AZ1_108	165	42	0.3	0.0186	0.0109	0.0023	0.0002	0.0584	0.0346	18.7	10.9	10.9	14.9	1.1	1.1	543.1	1086.2	1084.5	20	14.9	1.1
21210AZ1_17	44	17	0.4	0.0300	0.0367	0.0024	0.0005	0.0902	0.1121	30.0	36.6	35.9	15.5	3.3	3.3	1430.6	2861.1	1744.8	48	15.5	3.3
21210AZ1_43	33	10	0.3	0.0320	0.0455	0.0024	0.0006	0.0960	0.1385	32.0	45.3	44.3	15.5	3.6	3.6	1548.7	3097.4	1923.9	51	15.5	3.6
21210AZ1_37	37	14	0.4	0.0301	0.0321	0.0024	0.0005	0.0903	0.0977	30.1	31.9	31.4	15.6	2.9	2.9	1431.5	2863.0	1569.8	48	15.6	2.9
21210AZ1_51	14	4	0.3	0.0462	0.0710	0.0027	0.0007	0.1248	0.1949	45.8	70.1	67.7	17.3	4.7	4.7	2026.0	4052.1	1942.3	62	17.3	4.7
21210AZ1_64	44	18	0.4	0.0285	0.0256	0.0028	0.0004	0.0729	0.0663	28.5	25.5	25.1	18.2	2.5	2.5	1011.7	2023.4	1442.1	36	18.2	2.5
21210AZ1_27	117	61	0.5	0.0242	0.0144	0.0029	0.0003	0.0616	0.0372	24.3	14.4	14.3	18.3	1.7	1.7	661.4	1322.7	1083.0	24	18.3	1.7
21210AZ1_66	136	73	0.5	0.0237	0.0163	0.0029	0.0003	0.0602	0.0418	23.8	16.2	16.1	18.4	2.0	2.0	610.7	1221.4	1226.9	23	18.4	2.0
21210AZ1_94	29	8	0.3	0.0426	0.0482	0.0029	0.0006	0.1079	0.1238	42.4	47.5	46.4	18.4	3.8	3.8	1764.7	3529.3	1582.1	56	18.4	3.8
21210AZ1_76	276	132	0.5	0.0206	0.0043	0.0030	0.0002	0.0506	0.0106	20.7	4.2	4.2	19.0	1.0	1.0	223.9	447.8	452.8	8	19.0	1.0
21210AZ1_110	32	11	0.3	0.0402	0.0378	0.0030	0.0006	0.0958	0.0921	40.0	37.2	36.6	19.6	3.9	3.9	1543.7	2720.4	1412.0	51	19.6	3.9
21210AZ1_21	38	14	0.4	0.0332	0.0340	0.0031	0.0004	0.0785	0.0808	33.2	33.7	33.1	19.7	2.3	2.3	1160.4	2320.7	1560.5	40	19.7	2.3
21210AZ1_75	58	27	0.5	0.0246	0.0197	0.0031	0.0004	0.0580	0.0471	24.7	19.6	19.4	19.8	2.7	2.7	529.0	1058.0	1410.6	20	19.8	2.7
21210AZ1_73	121	49	0.4	0.0227	0.0106	0.0031	0.0003	0.0533	0.0254	22.8	10.6	10.5	19.8	1.7	1.7	343.5	687.0	928.3	13	19.8	1.7
21210AZ1_7	45	17	0.4	0.0337	0.0372	0.0031	0.0004	0.0791	0.0880	33.6	36.9	36.2	19.9	2.5	2.5	1175.2	2350.5	1653.4	41	19.9	2.5
21210AZ1_3	25	7	0.3	0.0381	0.0451	0.0031	0.0005	0.0895	0.1069	38.0	44.6	43.6	19.9	3.5	3.5	1414.8	2829.5	1696.2	48	19.9	3.5
21210AZ1_29	104	42	0.4	0.0231	0.0099	0.0031	0.0003	0.0542	0.0236	23.2	9.8	9.8	19.9	1.6	1.6	379.7	759.4	853.6	14	19.9	1.6
21210AZ1_101	103	49	0.5	0.0214	0.0124	0.0031	0.0003	0.0503	0.0293	21.5	12.3	12.3	19.9	1.9	1.9	207.5	415.0	1127.0	8	19.9	1.9
21210AZ1_80	81	32	0.4	0.0265	0.0173	0.0032	0.0004	0.0602	0.0400	26.5	17.2	17.1	20.5	2.5	2.5	611.3	1222.6	1182.1	23	20.5	2.5
21210AZ1_88	74	29	0.4	0.0278	0.0175	0.0033	0.0003	0.0620	0.0393	27.8	17.3	17.2	20.9	1.8	1.8	673.4	1346.7	1127.6	25	20.9	1.8
21210AZ1_63	120	63	0.5	0.0273	0.0095	0.0033	0.0002	0.0602	0.0212	27.3	9.4	9.3	21.1	1.4	1.4	611.6	866.8	680.4	23	21.1	1.4
21210AZ1_35	216	61	0.3	0.0225	0.0064	0.0033	0.0002	0.0493	0.0141	22.6	6.3	6.3	21.3	1.0	1.0	161.6	323.3	608.2	6	21.3	1.0
21210AZ1_71	159	55	0.3	0.0256	0.0088	0.0033	0.0003	0.0560	0.0197	25.6	8.7	8.7	21.3	2.1	2.1	453.3	891.7	697.2	17	21.3	2.1
21210AZ1_25	137	46	0.3	0.0250	0.0084	0.0033	0.0003	0.0548	0.0187	25.1	8.3	8.3	21.3	2.0	2.0	403.0	806.1	684.2	15	21.3	2.0
21210AZ1_79	252	73	0.3	0.0229	0.0066	0.0033	0.0002	0.0495	0.0146	22.9	6.6	6.6	21.5	1.1	1.1	173.6	347.2	622.1	6	21.5	1.1
21210AZ1_81	154	51	0.3	0.0239	0.0101	0.0034	0.0002	0.0514	0.0221	23.9	10.1	10.0	21.7	1.5	1.5	260.6	521.2	861.0	10	21.7	1.5
21210AZ1_104	92	30	0.3	0.0253	0.0152	0.0034	0.0003	0.0546	0.0330	25.4	15.1	15.0	21.7	2.0	2.0	395.7	791.4	1130.1	15	21.7	2.0
21210AZ1_16	79	26	0.3	0.0248	0.0138	0.0034	0.0003	0.0534	0.0301	24.9	13.8	13.7	21.7	1.8	1.8	345.7	691.4	1072.5	13	21.7	1.8
21210AZ1_24	145	46	0.3	0.0254	0.0099	0.0034	0.0002	0.0546	0.0215	25.4	9.8	9.8	21.7	1.4	1.4	393.9	787.9	781.3	15	21.7	1.4
21210AZ1_38	169	55	0.3	0.0257	0.0107	0.0034	0.0002	0.0550	0.0232	25.8	10.6	10.6	21.8	1.5	1.5	413.9	827.9	824.3	15	21.8	1.5
21210AZ1_92	162	64	0.4	0.0263	0.0111	0.0034	0.0002	0.0557	0.0237	26.4	11.0	10.9	22.0	1.5	1.5	439.4	878.8	829.5	16	22.0	1.5
21210AZ1_60	56	26	0.5	0.0288	0.0182	0.0035	0.0003	0.0598	0.0380	28.8	18.0	17.9	22.5	1.8	1.8	595.2	1190.5	1142.9	22	22.5	1.8
21210AZ1_82	78	45	0.6	0.0316	0.0160	0.0035	0.0003	0.0653	0.0333	31.6	15.8	15.6	22.6	1.8	1.8	783.4	1306.3	920.7	28	22.6	1.8
21210AZ1_85	36	8	0.2	0.0416	0.0332	0.0036	0.0004	0.0842	0.0681	41.4	32.7	32.1	23.0	2.8	2.8	1297.9	2188.0	1264.7	44	23.0	2.8
21210AZ1_50	44	13	0.3	0.0353	0.0241	0.0036	0.0004	0.0714	0.0493	35.2	23.8	23.5	23.1	2.3	2.3	967.5	1864.7	1159.7	34	23.1	2.3
21210AZ1_13	51	15	0.3	0.0371	0.0264	0.0036	0.0004	0.0750	0.0540	37.0	26.1	25.7	23.1	2.6	2.6	1068.4	1940.7	1185.5	38	23.1	2.6
21210AZ1_46	85	18	0.2	0.0276	0.0122	0.0036	0.0003	0.0554	0.0247	27.7	12.1	12.0	23.3	1.8	1.8	429.2	858.5	865.9	16	23.3	1.8

21210AZ1_78	245	159	0.6	0.0269	0.0061	0.0036	0.0003	0.0538	0.0126	27.0	6.0	6.0	23.3	2.2	2.2	363.6	574.2	487.3	13	23.3	2.2
21210AZ1_93	84	36	0.4	0.0307	0.0176	0.0037	0.0004	0.0605	0.0353	30.7	17.5	17.3	23.7	2.5	2.5	622.9	1245.9	1057.7	23	23.7	2.5
21210AZ1_2	73	31	0.4	0.0306	0.0163	0.0037	0.0004	0.0600	0.0325	30.6	16.2	16.0	23.8	2.3	2.3	601.9	1203.8	997.7	22	23.8	2.3
21210AZ1_28	34	8	0.2	0.0265	0.0314	0.0038	0.0005	0.0510	0.0606	26.6	31.3	30.8	24.3	3.1	3.1	239.9	479.8	1977.1	9	24.3	3.1
21210AZ1_72	117	28	0.2	0.0290	0.0118	0.0038	0.0004	0.0556	0.0229	29.0	11.7	11.6	24.4	2.4	2.4	436.0	871.9	805.0	16	24.4	2.4
21210AZ1_67	40	10	0.2	0.0275	0.0343	0.0038	0.0005	0.0521	0.0655	27.5	34.2	33.7	24.6	3.4	3.4	291.3	582.7	2043.6	11	24.6	3.4
21210AZ1_30	30	9	0.3	0.0393	0.0318	0.0038	0.0004	0.0745	0.0607	39.2	31.3	30.8	24.6	2.5	2.5	1054.9	2109.7	1313.7	37	24.6	2.5
21210AZ1_40	114	26	0.2	0.0281	0.0103	0.0038	0.0002	0.0533	0.0197	28.2	10.2	10.1	24.6	1.5	1.5	340.0	680.0	744.8	13	24.6	1.5
21210AZ1_57	58	17	0.3	0.0305	0.0174	0.0039	0.0003	0.0572	0.0328	30.5	17.2	17.0	24.9	1.8	1.8	501.1	1002.3	1061.9	19	24.9	1.8
21210AZ1_96	172	53	0.3	0.0303	0.0156	0.0039	0.0005	0.0563	0.0294	30.3	15.4	15.3	25.1	3.1	3.1	464.9	929.7	986.3	17	25.1	3.1
21210AZ1_9	149	45	0.3	0.0286	0.0140	0.0039	0.0004	0.0531	0.0264	28.6	13.9	13.8	25.1	2.8	2.8	331.3	662.6	966.1	12	25.1	2.8
21210AZ1_53	153	60	0.4	0.0287	0.0073	0.0039	0.0002	0.0531	0.0137	28.7	7.2	7.2	25.2	1.3	1.3	332.2	644.2	537.0	12	25.2	1.3
21210AZ1_89	176	71	0.4	0.0294	0.0077	0.0039	0.0002	0.0542	0.0144	29.5	7.6	7.6	25.3	1.4	1.4	378.6	662.4	549.3	14	25.3	1.4
21210AZ1_41	101	31	0.3	0.0278	0.0110	0.0040	0.0002	0.0508	0.0203	27.8	10.9	10.8	25.5	1.4	1.4	233.0	465.9	810.7	8	25.5	1.4
21210AZ1_32	85	24	0.3	0.0322	0.0164	0.0040	0.0003	0.0587	0.0302	32.2	16.2	16.1	25.6	2.1	2.1	555.5	1111.0	961.2	20	25.6	2.1
21210AZ1_45	61	15	0.3	0.0313	0.0176	0.0041	0.0004	0.0550	0.0313	31.3	17.4	17.3	26.6	2.3	2.3	412.7	825.3	1071.0	15	26.6	2.3
21210AZ1_103	386	350	0.9	0.0307	0.0068	0.0042	0.0002	0.0533	0.0119	30.7	6.7	6.7	26.9	1.1	1.1	341.9	550.3	470.1	12	26.9	1.1
21210AZ1_102	197	63	0.3	0.0295	0.0061	0.0042	0.0002	0.0511	0.0107	29.5	6.0	6.0	27.0	1.0	1.0	243.8	487.5	448.9	9	27.0	1.0
21210AZ1_15	333	298	0.9	0.0313	0.0061	0.0042	0.0002	0.0540	0.0107	31.3	6.0	6.0	27.0	1.0	1.0	371.0	478.2	416.4	14	27.0	1.0
21210AZ1_68	70	23	0.3	0.0336	0.0151	0.0043	0.0004	0.0572	0.0261	33.5	14.9	14.8	27.4	2.4	2.4	499.9	999.9	873.6	18	27.4	2.4
21210AZ1_59	149	63	0.4	0.0315	0.0088	0.0043	0.0002	0.0535	0.0151	31.5	8.7	8.6	27.5	1.3	1.3	350.1	700.2	581.3	13	27.5	1.3
21210AZ1_18	51	34	0.7	0.0437	0.0310	0.0043	0.0008	0.0742	0.0545	43.4	30.4	29.9	27.5	5.4	5.4	1047.4	2000.9	1208.0	37	27.5	5.4
21210AZ1_56	66	17	0.3	0.0324	0.0182	0.0043	0.0003	0.0550	0.0310	32.4	17.9	17.8	27.5	2.0	2.0	410.9	821.7	1063.3	15	27.5	2.0
21210AZ1_39	51	19	0.4	0.0357	0.0293	0.0043	0.0005	0.0600	0.0498	35.6	29.0	28.6	27.7	3.0	3.0	605.3	1210.5	1418.0	22	27.7	3.0
21210AZ1_5	60	40	0.7	0.0435	0.0340	0.0043	0.0009	0.0731	0.0593	43.2	33.4	32.8	27.7	5.9	5.9	1017.8	2035.6	1314.0	36	27.7	5.9
21210AZ1_42	88	31	0.4	0.0387	0.0153	0.0043	0.0003	0.0650	0.0260	38.6	15.0	14.9	27.8	2.0	2.0	773.6	979.9	746.3	28	27.8	2.0
21210AZ1_26	192	22	0.1	0.0310	0.0067	0.0044	0.0002	0.0514	0.0112	31.0	6.6	6.6	28.2	1.2	1.2	257.4	514.8	465.6	9	28.2	1.2
21210AZ1_91	85	38	0.4	0.0365	0.0216	0.0045	0.0004	0.0593	0.0355	36.4	21.3	21.1	28.8	2.8	2.8	576.5	1153.1	1089.8	21	28.8	2.8
21210AZ1_1	74	32	0.4	0.0369	0.0200	0.0045	0.0004	0.0598	0.0329	36.8	19.7	19.5	28.8	2.6	2.6	594.6	1189.2	1010.5	22	28.8	2.6
21210AZ1_10	229	50	0.2	0.0437	0.0079	0.0063	0.0003	0.0501	0.0092	43.4	7.7	7.7	40.6	1.7	1.7	201.3	402.6	401.2	6	40.6	1.7
21210AZ1_97	266	59	0.2	0.0437	0.0088	0.0063	0.0003	0.0500	0.0102	43.4	8.6	8.5	40.8	1.9	1.9	193.1	386.2	443.9	6	40.8	1.9
21210AZ1_69	277	93	0.3	0.0763	0.0104	0.0110	0.0010	0.0502	0.0066	74.7	9.8	9.8	70.7	6.4	6.4	205.4	321.3	292.4	5	70.7	6.4
21210AZ1_31	1469	322	0.2	0.0748	0.0031	0.0112	0.0003	0.0486	0.0020	73.3	3.0	2.9	71.5	1.6	1.6	130.6	99.2	96.3	2	71.5	1.6
21210AZ1_74	133	69	0.5	0.8643	0.0401	0.0998	0.0038	0.0628	0.0032	632.5	21.9	21.7	613.0	22.1	22.0	702.6	109.6	105.9	3	632.5	21.9
21210AZ1_61	85	26	0.3	0.8956	0.0426	0.1053	0.0028	0.0617	0.0030	649.4	22.9	22.7	645.4	16.6	16.5	663.4	104.5	101.2	1	645.4	16.6
21210AZ1_98	89	80	0.9	1.5869	0.0679	0.1601	0.0050	0.0719	0.0031	965.1	26.8	26.5	957.4	27.8	27.8	982.7	88.8	86.3	1	957.4	27.8
21210AZ1_87	127	65	0.5	4.2477	0.1089	0.2951	0.0057	0.1044	0.0027	1683.3	21.2	21.0	1666.9	28.2	28.1	1703.7	47.2	46.5	1	1703.7	47.2
16MCC03 (n=108)																					
21211AZ1_17	20	5	0.2	0.0282	0.0534	0.0013	0.0005	0.1625	0.3141	28.3	53.4	52.0	8.1	3.3	3.3	2481.5	4963.0	2172.3	71	8.1	3.3
21211AZ1_109	23	5	0.2	0.0327	0.0592	0.0013	0.0006	0.1878	0.3511	32.6	59.1	57.4	8.1	3.7	3.7	2723.3	5446.6	2081.5	75	8.1	3.7
21211AZ1_33	20	8	0.4	0.0288	0.0493	0.0013	0.0006	0.1645	0.2918	28.8	49.2	48.0	8.2	3.8	3.8	2502.9	5005.9	2040.6	72	8.2	3.8
21211AZ1_23	81	17	0.2	0.0136	0.0155	0.0013	0.0002	0.0748	0.0856	13.8	15.6	15.5	8.5	1.1	1.1	1062.7	2125.5	1714.0	38	8.5	1.1
21211AZ1_105	57	19	0.3	0.0189	0.0260	0.0014	0.0003	0.0962	0.1337	19.0	26.1	25.7	9.2	1.9	1.9	1550.8	3101.5	1872.5	52	9.2	1.9

21211AZ1_31	442	204	0.5	0.0108	0.0029	0.0015	0.0001	0.0541	0.0144	10.9	2.9	2.9	9.4	0.8	0.8	375.1	662.2	549.1	14	9.4	0.8
21211AZ1_59	513	242	0.5	0.0107	0.0032	0.0015	0.0001	0.0533	0.0160	10.8	3.2	3.2	9.4	0.9	0.9	341.4	682.9	615.7	13	9.4	0.9
21211AZ1_100	44	11	0.3	0.0183	0.0368	0.0015	0.0005	0.0886	0.1802	18.4	36.8	36.4	9.7	3.1	3.1	1394.5	2789.1	2491.3	48	9.7	3.1
21211AZ1_42	239	57	0.2	0.0120	0.0058	0.0015	0.0001	0.0581	0.0282	12.2	5.8	5.8	9.7	0.7	0.7	534.4	1068.8	915.3	20	9.7	0.7
21211AZ1_35	127	31	0.2	0.0129	0.0089	0.0016	0.0002	0.0603	0.0423	13.0	9.0	8.9	10.0	1.1	1.1	614.4	1228.7	1237.0	23	10.0	1.1
21211AZ1_81	21	6	0.3	0.0362	0.0614	0.0016	0.0006	0.1640	0.2837	36.1	61.0	59.3	10.3	3.6	3.6	2497.8	4995.6	2005.0	71	10.3	3.6
21211AZ1_93	42	12	0.3	0.0264	0.0324	0.0016	0.0004	0.1182	0.1479	26.5	32.3	31.8	10.5	2.7	2.7	1928.5	3857.1	1663.7	61	10.5	2.7
21211AZ1_92	37	10	0.3	0.0262	0.0335	0.0017	0.0005	0.1148	0.1504	26.2	33.4	32.8	10.6	3.1	3.1	1876.0	3752.0	1731.2	59	10.6	3.1
21211AZ1_61	18	5	0.3	0.0332	0.0589	0.0017	0.0005	0.1428	0.2571	33.2	58.7	57.1	10.9	3.4	3.4	2261.2	4522.3	2105.0	67	10.9	3.4
21211AZ1_45	36	11	0.3	0.0250	0.0302	0.0017	0.0004	0.1067	0.1314	25.0	30.2	29.7	10.9	2.5	2.5	1743.1	3486.1	1675.2	56	10.9	2.5
21211AZ1_85	29	11	0.4	0.0223	0.0377	0.0017	0.0005	0.0939	0.1610	22.4	37.8	37.1	11.1	2.9	2.9	1506.2	3012.4	2188.4	50	11.1	2.9
21211AZ1_55	112	22	0.2	0.0159	0.0111	0.0017	0.0002	0.0669	0.0472	16.0	11.1	11.1	11.1	1.3	1.3	834.4	1668.9	1203.0	31	11.1	1.3
21211AZ1_76	130	26	0.2	0.0162	0.0122	0.0017	0.0002	0.0677	0.0515	16.3	12.2	12.1	11.2	1.4	1.4	858.6	1717.3	1275.5	31	11.2	1.4
21211AZ1_65	25	9	0.4	0.0205	0.0344	0.0018	0.0004	0.0848	0.1436	20.6	34.5	33.9	11.3	2.7	2.7	1311.8	2623.6	2216.1	45	11.3	2.7
21211AZ1_89	42	10	0.2	0.0285	0.0320	0.0018	0.0004	0.1143	0.1304	28.5	31.8	31.3	11.6	2.4	2.4	1869.2	3429.5	1558.2	59	11.6	2.4
21211AZ1_106	138	63	0.5	0.0143	0.0107	0.0018	0.0002	0.0574	0.0437	14.4	10.8	10.7	11.7	1.5	1.5	507.6	1015.2	1341.5	19	11.7	1.5
21211AZ1_15	119	53	0.4	0.0138	0.0096	0.0018	0.0002	0.0548	0.0388	13.9	9.7	9.6	11.7	1.3	1.3	405.8	811.7	1285.0	16	11.7	1.3
21211AZ1_4	19	5	0.3	0.0302	0.0544	0.0019	0.0006	0.1181	0.2167	30.2	54.3	52.9	11.9	4.1	4.1	1927.3	3854.5	2199.5	60	11.9	4.1
21211AZ1_63	17	5	0.3	0.0479	0.0569	0.0019	0.0005	0.1857	0.2267	47.5	55.9	54.4	12.1	3.4	3.4	2704.1	3417.4	1521.7	75	12.1	3.4
21211AZ1_83	20	6	0.3	0.0500	0.0633	0.0019	0.0006	0.1938	0.2524	49.6	62.1	60.3	12.1	3.8	3.8	2774.6	3836.9	1590.3	76	12.1	3.8
21211AZ1_94	146	79	0.5	0.0197	0.0113	0.0019	0.0001	0.0745	0.0428	19.9	11.2	11.2	12.4	1.0	1.0	1054.8	1444.4	981.7	38	12.4	1.0
21211AZ1_46	130	71	0.5	0.0183	0.0106	0.0020	0.0001	0.0678	0.0396	18.4	10.6	10.5	12.6	0.9	0.9	863.6	1525.0	1021.9	32	12.6	0.9
21211AZ1_38	14	4	0.3	0.0432	0.0726	0.0020	0.0008	0.1591	0.2746	43.0	72.0	69.5	12.7	5.0	5.0	2446.6	4893.2	2010.2	70	12.7	5.0
21211AZ1_88	49	20	0.4	0.0282	0.0377	0.0020	0.0004	0.1033	0.1394	28.3	37.6	36.9	12.8	2.6	2.6	1684.4	3368.8	1804.9	55	12.8	2.6
21211AZ1_21	24	6	0.2	0.0332	0.0481	0.0020	0.0005	0.1193	0.1753	33.1	47.8	46.7	13.0	3.3	3.3	1945.4	3890.9	1872.1	61	13.0	3.3
21211AZ1_68	36	9	0.2	0.0271	0.0329	0.0020	0.0004	0.0963	0.1182	27.2	32.8	32.3	13.2	2.5	2.5	1553.7	3107.3	1705.5	52	13.2	2.5
21211AZ1_62	50	15	0.3	0.0199	0.0292	0.0021	0.0003	0.0700	0.1035	20.0	29.3	28.9	13.3	2.0	2.0	927.8	1855.6	2107.2	34	13.3	2.0
21211AZ1_82	58	18	0.3	0.0208	0.0329	0.0021	0.0004	0.0733	0.1163	21.0	33.0	32.4	13.3	2.3	2.3	1022.5	2045.0	2189.7	37	13.3	2.3
21211AZ1_67	245	187	0.8	0.0141	0.0057	0.0021	0.0001	0.0485	0.0198	14.2	5.7	5.7	13.6	0.8	0.8	124.8	249.6	840.7	5	13.6	0.8
21211AZ1_87	284	223	0.8	0.0143	0.0060	0.0021	0.0001	0.0493	0.0209	14.4	6.0	6.0	13.6	0.9	0.9	160.8	321.5	865.8	6	13.6	0.9
21211AZ1_29	49	19	0.4	0.0240	0.0201	0.0021	0.0003	0.0823	0.0699	24.0	20.0	19.8	13.6	1.8	1.8	1253.6	2367.8	1323.0	43	13.6	1.8
21211AZ1_97	78	48	0.6	0.0193	0.0180	0.0023	0.0003	0.0621	0.0585	19.4	18.0	17.9	14.5	1.7	1.7	676.0	1352.0	1553.1	25	14.5	1.7
21211AZ1_57	49	12	0.2	0.0187	0.0252	0.0023	0.0003	0.0603	0.0813	18.9	25.2	24.9	14.5	2.2	2.2	612.6	1225.3	2056.2	23	14.5	2.2
21211AZ1_19	25	11	0.4	0.0273	0.0446	0.0023	0.0005	0.0869	0.1433	27.4	44.6	43.6	14.7	3.3	3.3	1358.2	2716.5	2164.3	46	14.7	3.3
21211AZ1_73	127	60	0.5	0.0147	0.0111	0.0023	0.0002	0.0466	0.0355	14.8	11.2	11.1	14.7	1.3	1.3	28.8	57.6	1448.2	1	14.7	1.3
21211AZ1_78	58	14	0.2	0.0218	0.0274	0.0023	0.0004	0.0689	0.0874	21.9	27.4	27.1	14.8	2.4	2.4	895.8	1791.5	1892.1	33	14.8	2.4
21211AZ1_6	27	10	0.3	0.0259	0.0507	0.0023	0.0006	0.0806	0.1591	26.0	50.9	49.6	15.0	3.9	3.9	1211.6	2423.2	2491.3	42	15.0	3.9
21211AZ1_101	40	11	0.3	0.0491	0.0569	0.0024	0.0006	0.1514	0.1779	48.6	55.8	54.3	15.1	3.6	3.6	2361.5	3345.0	1521.1	69	15.1	3.6
21211AZ1_49	56	25	0.4	0.0227	0.0208	0.0024	0.0003	0.0681	0.0630	22.8	20.8	20.6	15.6	2.1	2.1	870.2	1740.4	1491.3	32	15.6	2.1
21211AZ1_74	23	9	0.4	0.0376	0.0641	0.0024	0.0007	0.1124	0.1941	37.5	63.7	61.8	15.6	4.4	4.4	1839.1	3678.1	2124.7	58	15.6	4.4
21211AZ1_53	20	8	0.4	0.0356	0.0582	0.0025	0.0006	0.1053	0.1740	35.5	57.9	56.3	15.8	4.0	4.0	1718.7	3437.4	2085.9	56	15.8	4.0
21211AZ1_12	34	9	0.3	0.0443	0.0547	0.0025	0.0005	0.1310	0.1634	44.0	53.9	52.5	15.8	3.5	3.5	2111.1	3900.1	1629.9	64	15.8	3.5
21211AZ1_103	41	11	0.3	0.0247	0.0385	0.0025	0.0006	0.0722	0.1133	24.8	38.5	37.7	16.0	3.8	3.8	992.4	1984.7	2180.2	36	16.0	3.8

21211AZ1_41	27	7	0.3	0.0320	0.0345	0.0025	0.0004	0.0911	0.0992	31.9	34.2	33.6	16.4	2.7	2.7	1448.6	2897.1	1574.0	49	16.4	2.7
21211AZ1_20	42	12	0.3	0.0237	0.0252	0.0026	0.0004	0.0670	0.0719	23.8	25.1	24.8	16.5	2.6	2.6	836.4	1672.9	1681.4	31	16.5	2.6
21211AZ1_43	111	49	0.4	0.0214	0.0085	0.0026	0.0003	0.0594	0.0239	21.5	8.4	8.4	16.8	2.0	2.0	582.9	1021.2	772.2	22	16.8	2.0
21211AZ1_9	19	7	0.4	0.0313	0.0638	0.0026	0.0007	0.0867	0.1783	31.3	62.6	61.9	16.9	4.6	4.6	1353.8	2707.6	2520.8	46	16.9	4.6
21211AZ1_13	35	9	0.3	0.0242	0.0354	0.0026	0.0005	0.0665	0.0982	24.3	35.5	34.8	17.0	3.5	3.5	823.1	1646.3	2133.3	30	17.0	3.5
21211AZ1_34	1543	286	0.2	0.0177	0.0017	0.0027	0.0001	0.0483	0.0048	17.8	1.7	1.7	17.1	0.5	0.5	114.2	228.3	226.2	4	17.1	0.5
21211AZ1_84	36	10	0.3	0.0294	0.0372	0.0027	0.0006	0.0788	0.1012	29.4	37.1	36.4	17.4	3.5	3.5	1166.6	2333.2	1845.5	41	17.4	3.5
21211AZ1_3	41	18	0.4	0.0227	0.0280	0.0028	0.0004	0.0597	0.0740	22.8	28.0	27.6	17.8	2.3	2.3	591.0	1182.1	1939.7	22	17.8	2.3
21211AZ1_16	71	24	0.3	0.0212	0.0187	0.0028	0.0003	0.0548	0.0488	21.3	18.7	18.5	18.0	2.0	2.0	402.6	805.1	1546.3	15	18.0	2.0
21211AZ1_64	31	9	0.3	0.0287	0.0342	0.0028	0.0005	0.0736	0.0887	28.7	34.1	33.5	18.2	3.2	3.2	1030.2	2060.5	1789.8	37	18.2	3.2
21211AZ1_107	83	29	0.3	0.0223	0.0200	0.0028	0.0003	0.0569	0.0515	22.4	20.0	19.8	18.3	2.1	2.1	486.8	973.7	1547.1	18	18.3	2.1
21211AZ1_79	126	34	0.3	0.0229	0.0110	0.0029	0.0003	0.0577	0.0280	23.0	10.9	10.8	18.6	2.2	2.2	518.2	1036.4	917.7	19	18.6	2.2
21211AZ1_58	108	29	0.3	0.0227	0.0099	0.0029	0.0003	0.0570	0.0253	22.8	9.9	9.8	18.6	2.0	2.0	492.1	984.1	853.1	18	18.6	2.0
21211AZ1_30	158	114	0.7	0.0213	0.0081	0.0029	0.0003	0.0529	0.0201	21.4	8.0	8.0	18.8	1.7	1.7	323.7	647.4	765.4	12	18.8	1.7
21211AZ1_1	30	14	0.5	0.0288	0.0331	0.0029	0.0005	0.0713	0.0827	28.8	32.9	32.4	18.8	2.9	2.9	965.8	1931.7	1752.6	35	18.8	2.9
21211AZ1_70	101	32	0.3	0.0219	0.0161	0.0030	0.0003	0.0537	0.0396	22.0	16.1	15.9	19.1	1.6	1.6	357.0	714.1	1340.2	13	19.1	1.6
21211AZ1_86	116	39	0.3	0.0200	0.0124	0.0030	0.0003	0.0479	0.0300	20.1	12.4	12.3	19.5	2.0	2.0	91.9	183.8	1223.3	3	19.5	2.0
21211AZ1_66	99	33	0.3	0.0194	0.0121	0.0031	0.0003	0.0461	0.0289	19.5	12.0	12.0	19.7	2.0	2.0	3.8	7.6	1239.8	-1	19.7	2.0
21211AZ1_90	119	52	0.4	0.0239	0.0110	0.0031	0.0002	0.0565	0.0265	24.0	11.0	10.9	19.7	1.6	1.6	470.8	941.6	897.9	18	19.7	1.6
21211AZ1_71	49	19	0.4	0.0263	0.0314	0.0031	0.0005	0.0620	0.0747	26.4	31.4	30.9	19.8	3.1	3.1	674.5	1349.0	1875.8	25	19.8	3.1
21211AZ1_51	42	16	0.4	0.0264	0.0284	0.0031	0.0004	0.0620	0.0671	26.5	28.3	27.9	19.9	2.8	2.8	672.5	1345.1	1731.4	25	19.9	2.8
21211AZ1_11	68	17	0.2	0.0237	0.0162	0.0031	0.0004	0.0553	0.0382	23.8	16.1	16.0	20.0	2.3	2.3	426.2	852.3	1255.8	16	20.0	2.3
21211AZ1_37	74	38	0.5	0.0260	0.0183	0.0032	0.0005	0.0599	0.0428	26.1	18.2	18.1	20.3	3.0	3.0	601.0	1201.9	1256.6	22	20.3	3.0
21211AZ1_2	25	9	0.3	0.0371	0.0549	0.0032	0.0008	0.0849	0.1274	37.0	54.4	53.0	20.4	5.2	5.2	1313.9	2627.8	2032.1	45	20.4	5.2
21211AZ1_25	51	24	0.5	0.0286	0.0224	0.0033	0.0003	0.0639	0.0504	28.7	22.2	22.0	20.9	2.0	2.0	739.0	1478.0	1335.4	27	20.9	2.0
21211AZ1_14	283	131	0.5	0.0234	0.0054	0.0033	0.0003	0.0515	0.0122	23.5	5.4	5.4	21.2	1.8	1.8	264.9	529.8	502.1	10	21.2	1.8
21211AZ1_104	326	154	0.5	0.0233	0.0059	0.0033	0.0003	0.0509	0.0131	23.4	5.9	5.9	21.4	1.9	1.9	235.3	470.6	545.9	9	21.4	1.9
21211AZ1_110	33	8	0.2	0.0413	0.0499	0.0033	0.0005	0.0902	0.1096	41.1	49.2	48.0	21.4	3.2	3.2	1428.8	2857.6	1717.1	48	21.4	3.2
21211AZ1_95	163	91	0.6	0.0308	0.0125	0.0035	0.0003	0.0634	0.0259	30.8	12.3	12.2	22.7	1.6	1.7	720.0	1015.1	767.1	26	22.7	1.6
21211AZ1_47	141	78	0.6	0.0304	0.0118	0.0036	0.0002	0.0612	0.0241	30.4	11.7	11.6	23.2	1.6	1.6	647.3	979.9	747.7	24	23.2	1.6
21211AZ1_26	18	6	0.3	0.0483	0.0629	0.0036	0.0009	0.0969	0.1284	47.9	61.9	60.0	23.2	5.6	5.6	1565.8	3131.6	1803.3	51	23.2	5.6
21211AZ1_24	48	17	0.3	0.0321	0.0235	0.0040	0.0004	0.0591	0.0435	32.1	23.2	22.9	25.4	2.4	2.4	569.3	1138.6	1294.1	21	25.4	2.4
21211AZ1_108	30	9	0.3	0.0444	0.0562	0.0040	0.0007	0.0798	0.1018	44.2	55.4	53.9	26.0	4.2	4.2	1193.2	2386.5	1829.6	41	26.0	4.2
21211AZ1_39	99	29	0.3	0.0293	0.0136	0.0041	0.0003	0.0524	0.0246	29.3	13.5	13.4	26.1	1.7	1.7	302.7	605.5	923.0	11	26.1	1.7
21211AZ1_54	46	12	0.3	0.0342	0.0284	0.0041	0.0004	0.0611	0.0512	34.1	28.1	27.7	26.1	2.8	2.8	642.6	1285.3	1422.2	24	26.1	2.8
21211AZ1_75	54	14	0.3	0.0342	0.0308	0.0041	0.0005	0.0610	0.0554	34.1	30.5	30.0	26.1	3.0	3.0	639.5	1279.1	1516.8	23	26.1	3.0
21211AZ1_91	56	17	0.3	0.0355	0.0228	0.0044	0.0005	0.0589	0.0381	35.4	22.5	22.2	28.1	3.4	3.4	563.8	1127.6	1164.8	21	28.1	3.4
21211AZ1_44	48	15	0.3	0.0344	0.0217	0.0044	0.0005	0.0566	0.0359	34.4	21.4	21.2	28.4	3.2	3.2	475.0	950.0	1160.1	17	28.4	3.2
21211AZ1_7	153	13	0.1	0.0341	0.0073	0.0048	0.0002	0.0516	0.0112	34.0	7.2	7.2	30.8	1.3	1.3	267.4	534.8	463.9	9	30.8	1.3
21211AZ1_40	58	23	0.4	0.0456	0.0196	0.0060	0.0005	0.0550	0.0240	45.2	19.1	19.0	38.6	2.9	2.9	410.4	820.7	852.3	15	38.6	2.9
21211AZ1_98	60	10	0.2	0.0469	0.0254	0.0061	0.0005	0.0558	0.0305	46.5	24.8	24.5	39.1	2.9	2.9	445.9	891.8	1028.8	16	39.1	2.9
21211AZ1_36	52	8	0.2	0.0482	0.0235	0.0061	0.0004	0.0574	0.0282	47.8	22.9	22.6	39.1	2.7	2.7	507.0	1013.9	929.1	18	39.1	2.7
21211AZ1_5	74	29	0.4	0.0437	0.0176	0.0061	0.0005	0.0518	0.0211	43.5	17.2	17.0	39.3	3.0	3.0	278.0	556.0	819.5	10	39.3	3.0

21211AZ1_10	187	154	0.8	0.0437	0.0072	0.0061	0.0003	0.0516	0.0087	43.4	7.0	7.0	39.5	1.6	1.6	265.6	410.8	364.6	9	39.5	1.6
21211AZ1_99	128	43	0.3	0.0460	0.0119	0.0061	0.0003	0.0543	0.0142	45.7	11.6	11.6	39.5	1.9	1.9	381.5	651.7	541.9	13	39.5	1.9
21211AZ1_56	31	7	0.2	0.0529	0.0379	0.0065	0.0007	0.0592	0.0428	52.4	36.9	36.2	41.6	4.2	4.2	575.9	1151.8	1273.3	20	41.6	4.2
21211AZ1_80	184	114	0.6	0.0429	0.0091	0.0065	0.0004	0.0480	0.0103	42.6	8.9	8.8	41.7	2.4	2.4	97.4	194.7	470.4	2	41.7	2.4
21211AZ1_60	158	96	0.6	0.0437	0.0084	0.0065	0.0004	0.0487	0.0094	43.4	8.2	8.1	41.8	2.2	2.2	131.2	262.4	425.6	4	41.8	2.2
21211AZ1_77	36	8	0.2	0.0514	0.0423	0.0066	0.0007	0.0569	0.0472	50.9	41.3	40.5	42.2	4.7	4.7	486.0	972.0	1444.0	17	42.2	4.7
21211AZ1_22	84	33	0.4	0.0698	0.0166	0.0099	0.0006	0.0512	0.0124	68.5	15.9	15.7	63.3	3.7	3.7	251.7	503.3	513.3	7	63.3	3.7
21211AZ1_8	224	69	0.3	0.0712	0.0098	0.0099	0.0004	0.0520	0.0073	69.9	9.3	9.3	63.7	2.2	2.2	284.8	337.9	306.0	9	63.7	2.2
21211AZ1_48	199	71	0.4	0.0689	0.0094	0.0102	0.0004	0.0491	0.0068	67.7	8.9	8.9	65.2	2.5	2.5	154.1	308.2	310.7	4	65.2	2.5
21211AZ1_28	38	26	0.7	0.0848	0.0316	0.0125	0.0011	0.0491	0.0184	82.7	29.8	29.4	80.3	7.1	7.1	152.2	304.4	777.1	3	80.3	7.1
21211AZ1_18	12	3	0.2	0.1177	0.1093	0.0127	0.0015	0.0672	0.0629	113.0	101.8	97.0	81.3	9.5	9.5	845.2	1690.4	1509.4	28	81.3	9.5
21211AZ1_27	96	24	0.3	0.2493	0.0191	0.0356	0.0011	0.0508	0.0040	226.0	15.6	15.4	225.6	6.8	6.8	230.7	187.5	177.3	0	225.6	6.8
21211AZ1_69	366	151	0.4	1.4588	0.0431	0.1476	0.0037	0.0717	0.0020	913.5	17.9	17.7	887.5	20.7	20.7	976.9	58.2	57.1	3	887.5	20.7
21211AZ1_50	314	128	0.4	1.4579	0.0405	0.1479	0.0034	0.0715	0.0019	913.1	16.8	16.7	888.9	19.3	19.2	972.2	54.8	53.8	3	888.9	19.3
21211AZ1_72	110	61	0.6	1.8855	0.0636	0.1772	0.0045	0.0772	0.0026	1076.0	22.5	22.3	1051.6	24.7	24.6	1125.9	66.9	65.5	2	1051.6	24.7
21211AZ1_52	95	51	0.5	1.8846	0.0598	0.1778	0.0042	0.0769	0.0024	1075.7	21.2	20.9	1054.7	23.2	23.1	1118.3	62.8	61.6	2	1054.7	23.2
21211AZ1_32	68	27	0.4	4.5458	0.1905	0.3048	0.0110	0.1082	0.0046	1739.4	35.2	34.6	1715.1	54.3	54.1	1768.7	79.3	77.3	1	1768.7	79.3
16MCC06 (n=107)																					
21212AZ1_69	165	71	0.4	0.0131	0.0092	0.0015	0.0002	0.0625	0.0446	13.2	9.2	9.2	9.8	1.2	1.2	691.6	1383.1	1238.2	26	9.8	1.2
21212AZ1_59	142	60	0.4	0.0122	0.0084	0.0015	0.0002	0.0576	0.0405	12.3	8.5	8.4	9.9	1.1	1.1	515.5	1031.0	1255.5	20	9.9	1.1
21212AZ1_39	23	7	0.3	0.0319	0.0453	0.0015	0.0005	0.1497	0.2174	31.9	45.1	44.1	10.0	3.1	3.1	2342.4	4684.9	1789.3	69	10.0	3.1
21212AZ1_89	115	43	0.4	0.0139	0.0127	0.0016	0.0002	0.0644	0.0594	14.0	12.8	12.7	10.1	1.3	1.3	756.0	1512.0	1510.1	28	10.1	1.3
21212AZ1_35	179	42	0.2	0.0130	0.0093	0.0016	0.0002	0.0599	0.0430	13.2	9.3	9.3	10.2	1.1	1.1	600.2	1200.4	1261.8	23	10.2	1.1
21212AZ1_93	154	36	0.2	0.0127	0.0083	0.0016	0.0002	0.0580	0.0380	12.8	8.3	8.3	10.3	1.0	1.0	531.1	1062.2	1180.9	20	10.3	1.0
21212AZ1_41	500	305	0.6	0.0110	0.0028	0.0016	0.0001	0.0499	0.0130	11.1	2.9	2.8	10.3	0.6	0.6	188.5	377.0	555.1	7	10.3	0.6
21212AZ1_57	19	6	0.3	0.0288	0.0424	0.0016	0.0004	0.1301	0.1950	28.8	42.3	41.4	10.3	2.9	2.9	2098.9	4197.9	1872.2	64	10.3	2.9
21212AZ1_99	430	258	0.6	0.0109	0.0027	0.0016	0.0001	0.0491	0.0120	11.0	2.7	2.7	10.4	0.6	0.6	152.8	305.6	528.6	6	10.4	0.6
21212AZ1_9	2018	3766	1.9	0.0121	0.0036	0.0016	0.0001	0.0540	0.0160	12.2	3.6	3.6	10.5	0.6	0.6	370.9	741.7	607.6	14	10.5	0.6
21212AZ1_81	1735	3182	1.8	0.0122	0.0031	0.0016	0.0001	0.0540	0.0139	12.3	3.1	3.1	10.5	0.5	0.5	369.4	639.6	533.6	14	10.5	0.5
21212AZ1_24	314	226	0.7	0.0123	0.0049	0.0016	0.0001	0.0546	0.0222	12.5	5.0	4.9	10.6	0.8	0.8	396.7	793.4	801.1	15	10.6	0.8
21212AZ1_107	270	191	0.7	0.0124	0.0043	0.0016	0.0001	0.0549	0.0194	12.5	4.3	4.3	10.6	0.7	0.7	408.8	817.6	706.9	16	10.6	0.7
21212AZ1_11	1098	307	0.3	0.0115	0.0021	0.0017	0.0002	0.0502	0.0091	11.6	2.1	2.1	10.7	1.1	1.1	206.4	412.8	395.8	8	10.7	1.1
21212AZ1_17	1255	357	0.3	0.0118	0.0023	0.0017	0.0002	0.0514	0.0098	11.9	2.3	2.3	10.7	1.2	1.2	259.4	472.0	412.0	10	10.7	1.2
21212AZ1_42	959	313	0.3	0.0113	0.0020	0.0017	0.0001	0.0492	0.0084	11.4	2.0	2.0	10.7	0.9	0.9	155.0	310.1	376.7	6	10.7	0.9
21212AZ1_72	175	48	0.3	0.0125	0.0084	0.0017	0.0002	0.0543	0.0369	12.6	8.5	8.4	10.8	1.0	1.0	381.7	763.5	1249.0	15	10.8	1.0
21212AZ1_83	150	41	0.3	0.0137	0.0078	0.0017	0.0001	0.0593	0.0343	13.8	7.9	7.8	10.8	1.0	1.0	579.1	1158.1	1056.5	22	10.8	1.0
21212AZ1_8	1114	372	0.3	0.0114	0.0021	0.0017	0.0002	0.0492	0.0091	11.5	2.1	2.1	10.8	1.0	1.0	155.2	310.5	406.3	6	10.8	1.0
21212AZ1_1	654	177	0.3	0.0115	0.0021	0.0017	0.0001	0.0491	0.0093	11.6	2.1	2.1	11.0	0.7	0.7	153.9	307.7	414.6	6	11.0	0.7
21212AZ1_23	760	209	0.3	0.0115	0.0024	0.0017	0.0001	0.0486	0.0104	11.6	2.4	2.4	11.0	0.8	0.8	129.5	259.0	466.9	5	11.0	0.8
21212AZ1_18	107	22	0.2	0.0145	0.0109	0.0017	0.0002	0.0616	0.0469	14.7	11.0	10.9	11.0	1.6	1.6	660.1	1320.2	1313.2	25	11.0	1.6
21212AZ1_31	293	77	0.3	0.0125	0.0055	0.0017	0.0002	0.0527	0.0236	12.6	5.5	5.5	11.1	1.2	1.2	314.9	629.9	885.4	12	11.1	1.2
21212AZ1_28	254	66	0.3	0.0125	0.0049	0.0017	0.0002	0.0526	0.0212	12.6	4.9	4.9	11.1	1.1	1.1	313.1	626.3	805.4	12	11.1	1.1
21212AZ1_29	124	26	0.2	0.0149	0.0121	0.0017	0.0003	0.0623	0.0511	15.0	12.1	12.0	11.2	1.7	1.7	684.6	1369.2	1390.1	26	11.2	1.7

21212AZ1_86	77	20	0.3	0.0204	0.0198	0.0018	0.0003	0.0843	0.0829	20.5	19.8	19.6	11.3	1.8	1.8	1298.7	2597.5	1479.8	45	11.3	1.8
21212AZ1_65	76	39	0.5	0.0195	0.0168	0.0018	0.0003	0.0797	0.0701	19.6	16.8	16.7	11.4	2.0	2.0	1188.5	2377.0	1372.9	42	11.4	2.0
21212AZ1_109	68	35	0.5	0.0165	0.0154	0.0018	0.0003	0.0674	0.0639	16.6	15.5	15.4	11.4	1.8	1.8	848.9	1697.9	1525.1	31	11.4	1.8
21212AZ1_21	189	97	0.5	0.0130	0.0068	0.0018	0.0002	0.0532	0.0282	13.1	6.8	6.8	11.4	1.1	1.1	335.8	671.6	1020.5	13	11.4	1.1
21212AZ1_84	131	29	0.2	0.0151	0.0101	0.0018	0.0002	0.0604	0.0406	15.2	10.1	10.0	11.7	1.2	1.2	619.3	1238.5	1191.2	23	11.7	1.2
21212AZ1_22	51	21	0.4	0.0172	0.0203	0.0018	0.0003	0.0675	0.0805	17.3	20.4	20.2	11.9	1.8	1.8	853.7	1707.4	1816.3	31	11.9	1.8
21212AZ1_30	59	24	0.4	0.0184	0.0225	0.0019	0.0003	0.0718	0.0889	18.5	22.6	22.3	11.9	2.0	2.0	981.4	1962.9	1836.7	35	11.9	2.0
21212AZ1_67	26	15	0.6	0.0387	0.0536	0.0019	0.0006	0.1444	0.2049	38.6	53.1	51.7	12.5	3.9	3.9	2280.3	4560.6	1768.1	68	12.5	3.9
21212AZ1_19	124	44	0.4	0.0197	0.0132	0.0020	0.0002	0.0728	0.0493	19.8	13.2	13.1	12.7	1.3	1.3	1008.5	1805.0	1135.6	36	12.7	1.3
21212AZ1_78	23	13	0.6	0.0376	0.0512	0.0021	0.0006	0.1331	0.1849	37.5	50.7	49.5	13.2	3.7	3.7	2139.3	4278.6	1763.0	65	13.2	3.7
21212AZ1_34	351	281	0.8	0.0163	0.0034	0.0024	0.0001	0.0494	0.0104	16.4	3.4	3.4	15.4	0.7	0.7	164.7	329.5	459.5	6	15.4	0.7
21212AZ1_32	407	331	0.8	0.0161	0.0037	0.0024	0.0001	0.0488	0.0113	16.2	3.7	3.7	15.4	0.7	0.7	136.8	273.6	502.9	5	15.4	0.7
21212AZ1_76	384	357	0.9	0.0199	0.0070	0.0025	0.0002	0.0591	0.0209	20.0	6.9	6.9	15.7	1.0	1.0	571.6	880.3	689.1	21	15.7	1.0
21212AZ1_27	438	410	0.9	0.0203	0.0075	0.0025	0.0002	0.0597	0.0224	20.4	7.5	7.4	15.9	1.1	1.1	591.2	938.2	723.8	22	15.9	1.1
21212AZ1_38	55	20	0.4	0.0346	0.0352	0.0028	0.0006	0.0910	0.0949	34.6	34.9	34.3	17.8	4.1	4.1	1446.8	2893.5	1522.5	49	17.8	4.1
21212AZ1_56	48	17	0.4	0.0311	0.0325	0.0028	0.0006	0.0818	0.0869	31.1	32.2	31.7	17.8	3.7	3.7	1240.6	2481.2	1583.8	43	17.8	3.7
21212AZ1_92	182	100	0.5	0.0205	0.0089	0.0028	0.0001	0.0534	0.0232	20.6	8.8	8.8	17.9	0.9	0.9	346.7	693.5	856.0	13	17.9	0.9
21212AZ1_36	71	39	0.6	0.0277	0.0283	0.0028	0.0004	0.0720	0.0741	27.8	28.1	27.7	18.0	2.6	2.6	986.8	1973.6	1594.0	35	18.0	2.6
21212AZ1_97	61	33	0.5	0.0265	0.0255	0.0028	0.0004	0.0683	0.0661	26.6	25.3	25.0	18.1	2.3	2.3	877.4	1754.8	1542.3	32	18.1	2.3
21212AZ1_75	151	91	0.6	0.0219	0.0100	0.0028	0.0002	0.0560	0.0257	22.0	10.0	9.9	18.2	1.0	1.0	453.5	907.1	884.4	17	18.2	1.0
21212AZ1_55	52	13	0.3	0.0343	0.0265	0.0029	0.0004	0.0862	0.0676	34.2	26.2	25.9	18.5	2.3	2.3	1343.0	2078.2	1226.6	46	18.5	2.3
21212AZ1_110	67	23	0.3	0.0201	0.0171	0.0029	0.0003	0.0505	0.0434	20.2	17.1	17.0	18.6	2.1	2.1	219.2	438.4	1545.6	8	18.6	2.1
21212AZ1_74	58	23	0.4	0.0292	0.0257	0.0029	0.0004	0.0733	0.0651	29.2	25.5	25.2	18.6	2.3	2.3	1021.0	2042.0	1414.3	36	18.6	2.3
21212AZ1_66	78	27	0.3	0.0221	0.0178	0.0029	0.0003	0.0551	0.0449	22.2	17.8	17.7	18.8	2.2	2.2	417.4	834.9	1436.5	16	18.8	2.2
21212AZ1_85	42	16	0.4	0.0357	0.0326	0.0030	0.0006	0.0874	0.0816	35.6	32.2	31.7	19.0	3.6	3.6	1370.2	2678.9	1407.6	46	19.0	3.6
21212AZ1_105	120	58	0.5	0.0226	0.0127	0.0032	0.0003	0.0510	0.0290	22.7	12.7	12.6	20.7	1.7	1.7	242.4	484.9	1099.2	9	20.7	1.7
21212AZ1_47	139	68	0.5	0.0245	0.0133	0.0032	0.0003	0.0551	0.0302	24.6	13.2	13.1	20.8	1.8	1.8	414.9	829.8	1036.7	15	20.8	1.8
21212AZ1_90	48	12	0.2	0.0319	0.0381	0.0033	0.0004	0.0708	0.0850	31.9	37.8	37.1	21.0	2.6	2.6	952.0	1903.9	1802.2	34	21.0	2.6
21212AZ1_54	53	27	0.5	0.0329	0.0266	0.0035	0.0003	0.0679	0.0554	32.8	26.4	26.0	22.6	2.2	2.2	864.4	1728.8	1349.6	31	22.6	2.2
21212AZ1_52	86	23	0.3	0.0298	0.0178	0.0037	0.0003	0.0581	0.0350	29.9	17.6	17.5	24.0	2.0	2.0	532.5	1065.1	1102.0	20	24.0	2.0
21212AZ1_98	54	18	0.3	0.0374	0.0296	0.0042	0.0005	0.0652	0.0521	37.3	29.2	28.8	26.8	3.3	3.3	779.5	1559.1	1343.6	28	26.8	3.3
21212AZ1_80	28	8	0.3	0.0434	0.0737	0.0042	0.0008	0.0756	0.1291	43.2	73.0	70.5	26.8	5.2	5.2	1084.9	2169.8	2289.2	38	26.8	5.2
21212AZ1_7	237	190	0.8	0.0316	0.0082	0.0043	0.0002	0.0533	0.0139	31.6	8.1	8.0	27.7	1.4	1.3	342.1	653.6	543.4	12	27.7	1.4
21212AZ1_40	163	53	0.3	0.0362	0.0145	0.0045	0.0005	0.0587	0.0236	36.1	14.3	14.2	28.8	2.9	2.9	555.1	1022.3	773.1	20	28.8	2.9
21212AZ1_70	130	45	0.3	0.0348	0.0099	0.0045	0.0003	0.0560	0.0163	34.8	9.8	9.7	29.0	1.7	1.7	453.9	720.1	587.8	17	29.0	1.7
21212AZ1_3	25	8	0.3	0.0464	0.0550	0.0045	0.0009	0.0743	0.0893	46.0	54.0	52.6	29.1	5.9	5.9	1050.5	2100.9	1781.5	37	29.1	5.9
21212AZ1_25	2284	2613	1.1	0.0312	0.0026	0.0047	0.0003	0.0482	0.0038	31.2	2.6	2.6	30.2	1.9	1.9	107.2	192.4	181.7	3	30.2	1.9
21212AZ1_108	1955	2191	1.1	0.0314	0.0024	0.0047	0.0003	0.0485	0.0034	31.4	2.3	2.3	30.2	1.7	1.7	124.4	171.6	163.1	4	30.2	1.7
21212AZ1_10	31	10	0.3	0.0599	0.0524	0.0048	0.0007	0.0901	0.0799	59.0	50.8	49.6	31.0	4.5	4.5	1426.6	2452.9	1342.4	47	31.0	4.5
21212AZ1_13	383	259	0.7	0.0330	0.0054	0.0049	0.0004	0.0493	0.0081	33.0	5.3	5.3	31.2	2.8	2.8	160.9	321.8	365.4	5	31.2	2.8
21212AZ1_96	715	413	0.6	0.0336	0.0038	0.0049	0.0002	0.0493	0.0058	33.5	3.8	3.8	31.8	1.3	1.3	161.7	288.8	265.3	5	31.8	1.3
21212AZ1_71	54	15	0.3	0.0400	0.0263	0.0050	0.0005	0.0580	0.0385	39.8	25.8	25.5	32.1	3.1	3.1	528.8	1057.5	1197.4	19	32.1	3.1
21212AZ1_82	47	13	0.3	0.0380	0.0244	0.0050	0.0004	0.0547	0.0355	37.9	24.1	23.8	32.4	2.9	2.9	398.4	796.9	1197.9	14	32.4	2.9

21212AZ1_62	83	34	0.4	0.0385	0.0164	0.0051	0.0003	0.0544	0.0235	38.4	16.1	16.0	33.0	2.2	2.2	387.4	774.8	845.8	14	33.0	2.2
21212AZ1_20	434	340	0.8	0.0369	0.0055	0.0052	0.0002	0.0511	0.0077	36.8	5.4	5.4	33.7	1.0	1.0	246.0	366.0	329.0	9	33.7	1.0
21212AZ1_51	109	50	0.5	0.0390	0.0181	0.0053	0.0003	0.0534	0.0250	38.8	17.7	17.6	34.0	2.2	2.2	346.3	692.7	914.3	12	34.0	2.2
21212AZ1_103	133	40	0.3	0.0442	0.0141	0.0053	0.0003	0.0606	0.0196	44.0	13.8	13.7	34.1	2.0	2.0	624.1	785.4	629.2	23	34.1	2.0
21212AZ1_53	164	99	0.6	0.0359	0.0101	0.0053	0.0003	0.0489	0.0139	35.8	9.9	9.9	34.2	1.8	1.8	144.8	289.5	608.1	4	34.2	1.8
21212AZ1_45	151	46	0.3	0.0463	0.0154	0.0054	0.0003	0.0625	0.0211	46.0	15.0	14.9	34.6	2.2	2.2	690.1	815.8	648.0	25	34.6	2.2
21212AZ1_6	395	265	0.7	0.0402	0.0059	0.0057	0.0002	0.0508	0.0076	40.0	5.8	5.8	36.9	1.4	1.4	233.3	366.4	329.3	8	36.9	1.4
21212AZ1_44	20	6	0.3	0.0556	0.0800	0.0058	0.0013	0.0692	0.1006	54.9	78.4	75.5	37.4	8.1	8.1	905.1	1810.2	2088.2	32	37.4	8.1
21212AZ1_43	108	56	0.5	0.0420	0.0126	0.0059	0.0004	0.0520	0.0158	41.8	12.3	12.2	37.6	2.3	2.3	286.8	573.7	629.0	10	37.6	2.3
21212AZ1_101	93	47	0.5	0.0410	0.0116	0.0059	0.0003	0.0506	0.0145	40.8	11.3	11.3	37.7	2.1	2.1	224.4	448.9	602.1	7	37.7	2.1
21212AZ1_79	86	46	0.5	0.0478	0.0252	0.0059	0.0003	0.0587	0.0312	47.4	24.6	24.3	37.9	2.2	2.2	556.3	1112.6	986.4	20	37.9	2.2
21212AZ1_5	328	223	0.7	0.0430	0.0092	0.0060	0.0003	0.0524	0.0114	42.7	9.0	9.0	38.3	2.0	2.0	301.2	539.1	462.1	10	38.3	2.0
21212AZ1_102	17	5	0.3	0.0487	0.0728	0.0060	0.0012	0.0590	0.0889	48.2	71.7	69.3	38.5	7.4	7.4	566.1	1132.1	2240.9	20	38.5	7.4
21212AZ1_49	104	41	0.4	0.0420	0.0163	0.0061	0.0004	0.0499	0.0196	41.8	15.9	15.8	39.2	2.7	2.7	191.5	383.0	802.8	6	39.2	2.7
21212AZ1_73	115	30	0.3	0.0460	0.0139	0.0066	0.0004	0.0506	0.0155	45.7	13.5	13.4	42.3	2.5	2.5	223.3	446.6	640.9	7	42.3	2.5
21212AZ1_87	118	31	0.3	0.0477	0.0135	0.0066	0.0003	0.0523	0.0149	47.3	13.1	13.0	42.5	1.9	1.9	299.7	599.3	592.8	10	42.5	1.9
21212AZ1_4	26	7	0.3	0.0869	0.0771	0.0067	0.0011	0.0943	0.0850	84.6	73.3	70.8	43.0	7.0	6.9	1514.0	2473.6	1345.5	49	43.0	7.0
21212AZ1_106	90	16	0.2	0.0509	0.0148	0.0069	0.0004	0.0534	0.0157	50.4	14.4	14.3	44.4	2.4	2.4	344.7	689.3	606.1	12	44.4	2.4
21212AZ1_104	557	443	0.8	0.0465	0.0042	0.0070	0.0002	0.0483	0.0045	46.1	4.1	4.1	44.8	1.4	1.4	115.8	227.7	212.9	3	44.8	1.4
21212AZ1_46	652	527	0.8	0.0461	0.0045	0.0070	0.0002	0.0480	0.0048	45.8	4.4	4.3	44.8	1.5	1.5	97.3	194.6	227.2	2	44.8	1.5
21212AZ1_48	104	18	0.2	0.0530	0.0157	0.0070	0.0004	0.0548	0.0165	52.4	15.2	15.1	45.1	2.5	2.5	402.6	754.7	611.0	14	45.1	2.5
21212AZ1_91	122	39	0.3	0.0512	0.0130	0.0072	0.0004	0.0515	0.0133	50.7	12.6	12.5	46.3	2.2	2.2	262.8	525.5	544.0	9	46.3	2.2
21212AZ1_2	1929	2187	1.1	0.0540	0.0031	0.0081	0.0003	0.0481	0.0026	53.4	2.9	2.9	52.2	1.8	1.8	103.9	132.4	127.2	2	52.2	1.8
21212AZ1_77	43	15	0.3	0.0599	0.0312	0.0083	0.0007	0.0527	0.0278	59.1	30.1	29.7	53.0	4.8	4.8	314.8	629.6	1020.3	10	53.0	4.8
21212AZ1_64	64	25	0.4	0.0675	0.0292	0.0083	0.0008	0.0586	0.0260	66.3	28.0	27.6	53.6	5.2	5.2	552.7	1105.4	843.2	19	53.6	5.2
21212AZ1_16	146	126	0.9	0.0604	0.0133	0.0086	0.0005	0.0508	0.0114	59.5	12.8	12.7	55.3	3.5	3.5	231.8	463.6	481.3	7	55.3	3.5
21212AZ1_15	152	128	0.8	0.0615	0.0125	0.0090	0.0005	0.0498	0.0102	60.6	11.9	11.9	57.5	2.9	2.9	185.6	371.2	446.1	5	57.5	2.9
21212AZ1_12	482	207	0.4	0.0683	0.0056	0.0102	0.0003	0.0484	0.0041	67.1	5.3	5.3	65.7	1.7	1.7	118.2	203.9	192.0	2	65.7	1.7
21212AZ1_63	190	107	0.6	0.0786	0.0104	0.0113	0.0004	0.0503	0.0068	76.8	9.8	9.7	72.6	2.6	2.6	211.0	326.9	297.1	6	72.6	2.6
21212AZ1_60	40	17	0.4	0.0862	0.0301	0.0114	0.0008	0.0549	0.0195	84.0	28.4	28.0	73.1	5.3	5.3	406.3	812.5	711.4	13	73.1	5.3
21212AZ1_33	329	153	0.5	0.0850	0.0091	0.0121	0.0009	0.0508	0.0055	82.8	8.6	8.5	77.8	5.6	5.6	231.8	262.2	242.6	6	77.8	5.6
21212AZ1_100	113	26	0.2	0.0898	0.0152	0.0126	0.0007	0.0515	0.0089	87.3	14.2	14.2	81.0	4.6	4.6	263.5	422.0	373.5	7	81.0	4.6
21212AZ1_14	110	74	0.7	0.0905	0.0153	0.0128	0.0005	0.0514	0.0089	88.0	14.3	14.2	81.9	3.1	3.2	257.3	423.1	374.3	7	81.9	3.1
21212AZ1_61	119	67	0.6	0.0969	0.0164	0.0136	0.0005	0.0517	0.0089	93.9	15.2	15.1	87.1	3.0	3.0	271.5	419.4	371.4	7	87.1	3.0
21212AZ1_68	247	72	0.3	0.0992	0.0111	0.0147	0.0004	0.0489	0.0056	96.1	10.3	10.3	94.1	2.6	2.6	144.3	279.7	257.6	2	94.1	2.6
21212AZ1_58	212	61	0.3	0.0993	0.0100	0.0147	0.0004	0.0488	0.0050	96.1	9.3	9.2	94.4	2.4	2.4	140.0	250.6	232.7	2	94.4	2.4
21212AZ1_95	97	20	0.2	0.2517	0.0269	0.0348	0.0012	0.0524	0.0058	228.0	21.9	21.7	220.7	7.7	7.7	303.5	261.6	242.1	3	220.7	7.7
21212AZ1_50	312	74	0.2	0.7803	0.0270	0.0925	0.0019	0.0612	0.0021	585.7	15.4	15.3	570.1	11.3	11.3	646.5	76.0	74.2	3	570.1	11.3
21212AZ1_94	123	36	0.3	1.2729	0.0421	0.1375	0.0026	0.0671	0.0023	833.7	18.9	18.7	830.6	14.5	14.5	842.0	72.4	70.7	0	830.6	14.5
18BCB02 (=95)																					
18BCB2_63	71	37	0.5	0.0276	0.0042	0.0011	0.0001	0.1640	0.0320	27.6	4.2	4.2	7.1	0.7	0.7	2380.0	350.0	350.0	74	7.1	0.7
18BCB2_20	2016	2246	1.1	0.00877	0.00046	0.00111	0.0000	0.0557	0.0028	8.9	0.5	0.5	7.1	0.3	0.3	400.0	110.0	110.0	20	7.1	0.3
18BCB2_67	717	384	0.5	0.01252	0.00066	0.00117	0.0000	0.0782	0.0036	12.7	0.7	0.7	7.6	0.3	0.3	1095.0	97.0	97.0	40	7.6	0.3

18BCB2_87	257	104	0.4	0.0227	0.0022	0.0012	0.0001	0.1390	0.0150	22.8	2.2	2.2	7.7	0.5	0.5	2150.0	190.0	190.0	66	7.7	0.5
18BCB2_61	112	63	0.5	0.0197	0.0034	0.00122	0.0001	0.1190	0.0200	19.8	3.3	3.3	7.8	0.8	0.8	1670.0	390.0	390.0	60	7.8	0.8
18BCB2_77	681	308	0.5	0.0211	0.0013	0.00123	0.0001	0.1268	0.0074	21.2	1.3	1.3	7.9	0.4	0.4	2050.0	100.0	100.0	63	7.9	0.4
18BCB2_32	732	309	0.4	0.0189	0.0017	0.00124	0.0001	0.1110	0.0100	19.0	1.7	1.7	8.0	0.4	0.4	1760.0	160.0	160.0	58	8.0	0.4
18BCB2_41	112	64	0.6	0.0342	0.004	0.00127	0.0001	0.2000	0.0250	34.3	3.9	3.9	8.2	0.6	0.6	2600.0	250.0	250.0	76	8.2	0.6
18BCB2_36	1140	1025	0.9	0.0176	0.0011	0.00128	0.0001	0.1030	0.0060	17.7	1.1	1.1	8.2	0.4	0.4	1630.0	110.0	110.0	54	8.2	0.4
18BCB2_90	278	148	0.5	0.0319	0.0027	0.00128	0.0001	0.1830	0.0160	31.8	2.7	2.7	8.2	0.4	0.4	2600.0	150.0	150.0	74	8.2	0.4
18BCB2_93	155	50	0.3	0.029	0.003	0.00128	0.0001	0.1580	0.0160	28.9	3.0	3.0	8.2	0.6	0.6	2470.0	200.0	200.0	71	8.2	0.6
18BCB2_6	1270	779	0.6	0.02366	0.0011	0.0013	0.0001	0.1244	0.0056	23.8	1.1	1.1	8.4	0.4	0.4	1970.0	78.0	78.0	65	8.4	0.4
18BCB2_81	163	77	0.5	0.024	0.0026	0.00131	0.0001	0.1450	0.0170	24.0	2.6	2.6	8.4	0.5	0.5	2090.0	220.0	220.0	65	8.4	0.5
18BCB2_49	751	475	0.6	0.0283	0.0017	0.00133	0.0001	0.1570	0.0100	28.4	1.7	1.7	8.6	0.4	0.4	2410.0	110.0	110.0	70	8.6	0.4
18BCB2_68	441	208	0.5	0.0275	0.0058	0.00133	0.0001	0.1520	0.0240	27.4	5.5	5.5	8.6	0.7	0.7	2190.0	220.0	220.0	69	8.6	0.7
18BCB2_75	191	98	0.5	0.0353	0.0027	0.00136	0.0001	0.2010	0.0180	35.2	2.7	2.7	8.8	0.6	0.6	2730.0	160.0	160.0	75	8.8	0.6
18BCB2_24	273	117	0.4	0.051	0.0042	0.00137	0.0001	0.2460	0.0220	50.4	4.1	4.1	8.8	0.7	0.7	3170.0	160.0	160.0	82	8.8	0.7
18BCB2_18	177	97	0.6	0.0352	0.0027	0.00138	0.0001	0.1930	0.0160	35.3	2.6	2.6	8.9	0.6	0.6	2700.0	140.0	140.0	75	8.9	0.6
18BCB2_37	114	51	0.4	0.0297	0.004	0.0014	0.0001	0.1700	0.0270	30.1	3.8	3.8	9.0	0.7	0.7	2210.0	310.0	310.0	70	9.0	0.7
18BCB2_71	68	31	0.4	0.0295	0.0042	0.00141	0.0001	0.1560	0.0230	29.3	4.1	4.1	9.1	0.7	0.7	2120.0	330.0	330.0	69	9.1	0.7
18BCB2_38	243	106	0.4	0.0405	0.0026	0.00142	0.0001	0.2130	0.0150	40.2	2.5	2.5	9.1	0.5	0.5	2900.0	110.0	110.0	77	9.1	0.5
18BCB2_30	72	33	0.4	0.0373	0.0044	0.00145	0.0001	0.2110	0.0570	36.9	4.3	4.3	9.4	0.9	0.9	2080.0	470.0	470.0	75	9.4	0.9
18BCB2_76	120	61	0.5	0.0311	0.003	0.00146	0.0001	0.1660	0.0190	31.0	3.0	3.0	9.4	0.6	0.6	2390.0	210.0	210.0	70	9.4	0.6
18BCB2_25	74	46	0.6	0.0575	0.0063	0.00147	0.0001	0.3120	0.0470	57.0	6.0	6.0	9.5	0.8	0.8	3350.0	240.0	240.0	83	9.5	0.8
18BCB2_89	394	222	0.5	0.0556	0.0043	0.0015	0.0001	0.2580	0.0160	54.9	4.2	4.2	9.7	0.6	0.6	3260.0	100.0	100.0	82	9.7	0.6
18BCB2_5	373	166	0.5	0.0583	0.0048	0.00151	0.0001	0.2660	0.0220	57.4	4.6	4.6	9.7	0.6	0.6	3230.0	130.0	130.0	83	9.7	0.6
18BCB2_43	86	39	0.4	0.0534	0.0046	0.00152	0.0001	0.2620	0.0300	53.2	4.5	4.5	9.8	0.8	0.8	3130.0	200.0	200.0	82	9.8	0.8
18BCB2_62	170	59	0.3	0.0385	0.0038	0.00152	0.0001	0.1870	0.0190	38.3	3.8	3.8	9.8	0.7	0.7	2700.0	170.0	170.0	74	9.8	0.7
18BCB2_53	224	72	0.3	0.0696	0.0055	0.00153	0.0001	0.3320	0.0280	68.2	5.3	5.3	9.8	0.7	0.7	3630.0	120.0	120.0	86	9.8	0.7
18BCB2_85	92	28	0.3	0.0503	0.0051	0.00154	0.0001	0.2400	0.0280	50.0	4.9	4.9	9.9	0.8	0.8	3040.0	200.0	200.0	80	9.9	0.8
18BCB2_55	175	59	0.3	0.0513	0.0049	0.00155	0.0001	0.2680	0.0260	50.7	4.7	4.7	10.0	0.8	0.8	3220.0	150.0	150.0	80	10.0	0.8
18BCB2_64	99	47	0.5	0.0519	0.0044	0.00155	0.0001	0.2580	0.0290	51.2	4.2	4.2	10.0	0.6	0.6	3110.0	190.0	190.0	81	10.0	0.6
18BCB2_12	144	57	0.4	0.0713	0.0058	0.00162	0.0001	0.3130	0.0250	70.8	5.7	5.7	10.4	0.7	0.7	3490.0	130.0	130.0	85	10.4	0.7
18BCB2_19	302	120	0.4	0.0808	0.0064	0.00166	0.0001	0.3480	0.0300	78.7	6.0	6.0	10.7	0.6	0.6	3620.0	130.0	130.0	86	10.7	0.6
18BCB2_15	78	18	0.2	0.0636	0.0068	0.00167	0.0001	0.3090	0.0470	62.1	6.5	6.5	10.8	0.8	0.8	3160.0	280.0	280.0	83	10.8	0.8
18BCB2_91	289	130	0.4	0.0631	0.0051	0.00171	0.0001	0.2710	0.0210	62.0	4.8	4.8	11.0	0.7	0.7	3290.0	130.0	130.0	82	11.0	0.7
18BCB2_34	278	146	0.5	0.0736	0.0064	0.00172	0.0001	0.3270	0.0310	71.9	6.1	6.1	11.1	0.8	0.8	3560.0	150.0	150.0	85	11.1	0.8
18BCB2_50	168	68	0.4	0.0734	0.0048	0.00175	0.0001	0.3240	0.0290	72.4	4.4	4.4	11.3	0.8	0.8	3480.0	140.0	140.0	84	11.3	0.8
18BCB2_1	124	68	0.6	0.0998	0.0068	0.00182	0.0001	0.3780	0.0330	96.0	6.3	6.3	11.7	0.8	0.8	3800.0	130.0	130.0	88	11.7	0.8
18BCB2_66	333	152	0.4	0.0583	0.0069	0.00176	0.0002	0.2560	0.0340	57.4	6.6	6.6	11.3	1.0	1.0	3120.0	200.0	200.0	80	11.3	1.0
18BCB2_46	172	71	0.4	0.106	0.013	0.00186	0.0002	0.4190	0.0450	102.0	12.0	12.0	11.9	1.2	1.2	3950.0	170.0	170.0	88	11.9	1.2
18BCB2_51	101	57	0.6	0.076	0.0068	0.00187	0.0001	0.3100	0.0320	74.0	6.4	6.4	12.1	0.9	0.9	3430.0	160.0	160.0	84	12.1	0.9
18BCB2_44	97	41	0.4	0.0761	0.0047	0.00188	0.0001	0.3230	0.0290	74.2	4.4	4.4	12.1	0.8	0.8	3450.0	140.0	140.0	84	12.1	0.8
18BCB2_83	112	75	0.7	0.1028	0.0072	0.00188	0.0001	0.4000	0.0330	98.8	6.6	6.6	12.1	0.8	0.8	3790.0	120.0	120.0	88	12.1	0.8
18BCB2_33	227	93	0.4	0.101	0.012	0.00194	0.0002	0.3830	0.0550	100.0	11.0	11.0	12.5	1.4	1.4	3740.0	220.0	220.0	88	12.5	1.4
18BCB2_2	295	129	0.5	0.0921	0.0043	0.00195	0.0001	0.3190	0.0180	89.3	4.0	4.0	12.6	0.6	0.6	3570.0	84.0	84.0	86	12.6	0.6

18BCB2_70	87	37	0.4	0.0933	0.0077	0.00197	0.0001	0.3430	0.0310	90.1	7.2	7.2	12.7	0.9	0.9	3620.0	120.0	120.0	86	12.7	0.9
18BCB2_48	137	55	0.4	0.1021	0.0079	0.002	0.0002	0.4070	0.0400	98.3	7.2	7.2	12.9	1.1	1.1	3910.0	160.0	160.0	87	12.9	1.1
18BCB2_95	68	26	0.4	0.125	0.012	0.00201	0.0001	0.4610	0.0480	116.5	10.0	10.0	12.9	0.9	0.9	3990.0	170.0	170.0	89	12.9	0.9
18BCB2_56	69	35	0.5	0.112	0.011	0.00202	0.0002	0.4160	0.0440	106.6	9.7	9.7	13.0	1.0	1.0	3800.0	160.0	160.0	88	13.0	1.0
18BCB2_17	74	28	0.4	0.1128	0.0094	0.00205	0.0002	0.4040	0.0460	107.9	8.6	8.6	13.2	1.1	1.1	3790.0	180.0	180.0	88	13.2	1.1
18BCB2_80	68	20	0.3	0.0992	0.0077	0.00213	0.0002	0.3810	0.0430	95.4	7.1	7.1	13.7	1.0	1.0	3600.0	170.0	170.0	86	13.7	1.0
18BCB2_28	164	71	0.4	0.13	0.014	0.00214	0.0002	0.4470	0.0550	123.0	13.0	13.0	13.8	1.1	1.1	3990.0	190.0	190.0	89	13.8	1.1
18BCB2_78	79	40	0.5	0.1246	0.0093	0.00215	0.0002	0.4440	0.0380	118.5	8.3	8.3	13.9	1.1	1.1	3950.0	140.0	140.0	88	13.9	1.1
18BCB2_21	210	113	0.5	0.1185	0.01	0.00219	0.0002	0.4030	0.0320	114.4	8.9	8.9	14.1	1.0	1.0	3880.0	120.0	120.0	88	14.1	1.0
18BCB2_52	78	31	0.4	0.13	0.011	0.00221	0.0002	0.4720	0.0630	123.2	10.0	10.0	14.2	1.2	1.2	4040.0	190.0	190.0	88	14.2	1.2
18BCB2_26	87	55	0.6	0.1411	0.0086	0.00221	0.0002	0.4980	0.0450	134.2	7.5	7.5	14.3	1.1	1.1	4100.0	140.0	140.0	89	14.3	1.1
18BCB2_73	118	47	0.4	0.133	0.011	0.00223	0.0002	0.4950	0.0570	126.5	10.0	10.0	14.4	1.2	1.2	4120.0	170.0	170.0	89	14.4	1.2
18BCB2_54	116	65	0.6	0.1423	0.0093	0.00224	0.0001	0.5120	0.0460	134.1	8.2	8.2	14.4	0.9	0.9	4130.0	140.0	140.0	89	14.4	0.9
18BCB2_74	136	34	0.2	0.143	0.0088	0.00225	0.0001	0.4660	0.0270	135.2	7.7	7.7	14.5	0.8	0.8	4090.0	87.0	87.0	89	14.5	0.8
18BCB2_47	980	670	0.7	0.137	0.012	0.00232	0.0002	0.4270	0.0300	130.0	11.0	11.0	15.0	0.9	0.9	3970.0	100.0	100.0	89	15.0	0.9
18BCB2_40	219	121	0.5	0.128	0.011	0.00234	0.0002	0.4140	0.0320	122.0	9.5	9.5	15.1	1.1	1.1	3970.0	120.0	120.0	88	15.1	1.1
18BCB2_39	86	36	0.4	0.1695	0.01	0.00251	0.0002	0.5460	0.0460	158.1	8.6	8.6	16.2	1.1	1.1	4260.0	130.0	130.0	90	16.2	1.1
18BCB2_45	100	46	0.5	0.0674	0.0044	0.00253	0.0001	0.1980	0.0160	66.5	4.2	4.2	16.3	0.9	0.9	2790.0	140.0	140.0	76	16.3	0.9
18BCB2_94	199	92	0.5	0.195	0.014	0.0026	0.0002	0.5290	0.0440	182.0	12.0	12.0	16.7	1.1	1.1	4310.0	130.0	130.0	91	16.7	1.1
18BCB2_57	82	37	0.4	0.209	0.02	0.00261	0.0002	0.5980	0.0640	190.0	17.0	17.0	16.8	1.4	1.4	4390.0	180.0	180.0	91	16.8	1.4
18BCB2_84	152	81	0.5	0.178	0.011	0.00262	0.0002	0.4980	0.0370	166.1	9.8	9.8	16.9	1.0	1.0	4230.0	110.0	110.0	90	16.9	1.0
18BCB2_29	328	457	1.3	0.0353	0.0027	0.00275	0.0001	0.0936	0.0071	35.1	2.7	2.7	17.7	0.9	0.9	1430.0	150.0	150.0	50	17.7	0.9
18BCB2_11	333	150	0.5	0.0907	0.008	0.00277	0.0002	0.2230	0.0180	87.8	7.4	7.4	17.8	1.0	1.0	2960.0	130.0	130.0	80	17.8	1.0
18BCB2_4	95	48	0.5	0.2058	0.01	0.00281	0.0002	0.5060	0.0310	190.6	8.4	8.4	18.1	1.1	1.1	4216.0	94.0	94.0	91	18.1	1.1
18BCB2_16	213	104	0.5	0.213	0.019	0.00283	0.0002	0.5760	0.0600	195.0	16.0	16.0	18.2	1.5	1.5	4420.0	150.0	150.0	91	18.2	1.5
18BCB2_79	154	74	0.5	0.0414	0.0032	0.00283	0.0002	0.1060	0.0087	41.1	3.1	3.1	18.2	1.0	1.0	1610.0	150.0	150.0	56	18.2	1.0
18BCB2_8	148	65	0.5	0.233	0.012	0.00286	0.0002	0.5660	0.0250	211.7	9.8	9.8	18.4	1.0	1.0	4389.0	66.0	66.0	91	18.4	1.0
18BCB2_60	182	68	0.4	0.0517	0.006	0.00297	0.0002	0.1290	0.0140	51.0	5.7	5.7	19.1	1.1	1.1	1940.0	190.0	190.0	63	19.1	1.1
18BCB2_42	219	89	0.4	0.212	0.015	0.003	0.0002	0.5270	0.0390	194.0	12.0	12.0	19.3	1.3	1.3	4270.0	110.0	110.0	90	19.3	1.3
18BCB2_88	176	90	0.5	0.0682	0.0048	0.00307	0.0002	0.1630	0.0110	66.9	4.5	4.5	19.8	1.1	1.1	2460.0	120.0	120.0	70	19.8	1.1
18BCB2_9	159	27	0.2	0.209	0.016	0.0031	0.0002	0.4580	0.0260	192.0	13.0	13.0	19.9	1.2	1.2	4121.0	95.0	95.0	90	19.9	1.2
18BCB2_58	40	19	0.5	0.198	0.014	0.0032	0.0003	0.4990	0.0590	182.0	12.0	12.0	20.6	1.6	1.6	4140.0	170.0	170.0	89	20.6	1.6
18BCB2_35	299	150	0.5	0.272	0.022	0.00325	0.0002	0.6000	0.0470	244.0	17.0	17.0	20.9	1.4	1.4	4490.0	120.0	120.0	91	20.9	1.4
18BCB2_14	99	47	0.5	0.098	0.0073	0.00327	0.0002	0.2140	0.0160	94.2	6.8	6.8	21.0	1.2	1.2	2870.0	140.0	140.0	78	21.0	1.2
18BCB2_92	11070	5150	0.5	0.02289	0.00074	0.00326	0.0001	0.0499	0.0011	23.0	0.7	0.7	21.0	0.8	0.8	186.0	51.0	51.0	9	21.0	0.8
18BCB2_23	95	45	0.5	0.0993	0.0078	0.00355	0.0003	0.2160	0.0220	97.2	7.6	7.6	22.8	1.6	1.6	2820.0	160.0	160.0	77	22.8	1.6
18BCB2_69	155	67	0.4	0.059	0.0036	0.0037	0.0002	0.1229	0.0084	58.1	3.4	3.4	23.8	1.2	1.2	1980.0	110.0	110.0	59	23.8	1.2
18BCB2_22	90	47	0.5	0.0966	0.0063	0.00379	0.0002	0.1900	0.0140	93.1	5.8	5.8	24.4	1.3	1.3	2630.0	140.0	140.0	74	24.4	1.3
18BCB2_72	55	21	0.4	0.1144	0.0097	0.00399	0.0002	0.2150	0.0200	109.2	8.8	8.8	25.6	1.5	1.5	2850.0	160.0	160.0	77	25.6	1.5
18BCB2_10	142	83	0.6	0.289	0.018	0.00462	0.0003	0.4400	0.0290	256.0	14.0	14.0	29.7	1.8	1.8	4021.0	93.0	93.0	88	29.7	1.8
18BCB2_65	294	83	0.3	0.246	0.032	0.00524	0.0004	0.3370	0.0310	221.0	24.0	24.0	33.7	2.3	2.3	3600.0	130.0	130.0	85	33.7	2.3
18BCB2_3	86	28	0.3	0.204	0.013	0.00557	0.0003	0.2510	0.0150	189.0	11.0	11.0	35.8	1.7	1.7	3163.0	97.0	97.0	81	35.8	1.7
18BCB2_59	61	36	0.6	0.324	0.016	0.00596	0.0003	0.4140	0.0240	283.0	12.0	12.0	38.5	2.1	2.1	3898.0	85.0	85.0	86	38.5	2.1

18BCB2_13	78	28	0.4	0.631	0.031	0.0079	0.0004	0.5570	0.0260	493.0	19.0	19.0	50.7	2.8	2.8	4383.0	67.0	67.0	90	50.7	2.8
18BCB2_7	28	13	0.5	0.875	0.076	0.00804	0.0007	0.7590	0.0890	632.0	41.0	41.0	51.6	4.4	4.4	4850.0	210.0	210.0	92	51.6	4.4
18BCB2_31	517	166	0.3	0.1713	0.0066	0.01466	0.0006	0.0848	0.0023	160.8	5.8	5.8	93.8	4.1	4.1	1310.0	51.0	51.0	42	93.8	4.1
18BCB2_82	66	25	0.4	0.2	0.012	0.01517	0.0007	0.0948	0.0058	184.7	10.0	10.0	97.1	4.3	4.3	1480.0	120.0	120.0	47	97.1	4.3
18BCB2_86	8	21	2.7	10.12	0.53	0.0893	0.0055	0.8070	0.0440	2450.0	50.0	50.0	550.0	32.0	32.0	4980.0	100.0	100.0	78	550.0	32.0
18BCB2_27	364	201	0.6	1.094	0.039	0.1156	0.0046	0.0670	0.0015	747.0	19.0	19.0	705.0	27.0	27.0	818.0	48.0	48.0	6	705.0	27.0

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APPENDIX Table A.1. Zircon U-Pb dating operating conditions for LA-ICP-MS analyses

	ns-LA-HR-ICP-MS	fs-LA-HR-ICP-MS
Laboratory & Sample preparation		
Laboratory name	GeopSep Services	Géosciences Environnement Toulouse
Sample preparation	Polished mount	Polished mount
Sample type	Zircons	Zircons
Laser ablation system		
Make, Model & type	New Wave Neodymium: YAG 213	Laser nanosecond ESI NWR 213
Ablation cell	ESI NWR Single Volume	ESI NWR TwoVol2
Laserwavelength	193 nm	800 nm
Pulse width	< 5ns	< 5ns
Fluence	10 J/cm ²	4-4.6 J/cm ²
Repetition rate	5 Hz	10Hz
Spot size	20 µm (round spot)	30 µm (round spot)
Sampling mode / pattern	Single spot	Single spot
Carrier gas	100% He and Ar make-up gas	100% He and Ar make-up gas
Background collection	6 seconds	15 seconds
Ablation duration	24 seconds	30 seconds
Wash-out delay	20 seconds	20 seconds
Cell carrier gas flow (He)	0.8 l/min	0.8 l/min
ICP-MS Instrument		
Make, Model & type	Finnigan Element II Magnetic Sector	Thermo-Fisher Element-XR, HR-ICP-MS
Sample introduction	Via conventional tubing	Via conventional tubing
RF power	1250 W	1280 W
Sampler, skimmer cones	Ni	Ni
Extraction lenses	X type	X type
Make-up gas flow (Ar)	1 l/min	1 l/min
Detection system	Single collector secondary electron multiplier	Single collector secondary electron multiplier
Data acquisition protocol	Time-resolved analysis	Time-resolved analysis
Scanning mode	Peak hopping, one point per peak	Peak hopping, one point per peak
Detector mode	Pulse counting, dead time correction applied, and analog mode when signal intensity > ~ 10 ⁶ cps	Pulse counting, dead time correction applied, and analog mode when signal intensity > ~ 10 ⁶ cps
Masses measured	²⁰² Hg, ²⁰⁴ Pb, ²⁰⁶ Pb, ²⁰⁷ Pb, ²⁰⁸ Pb, ²³⁸ U, ²³⁵ U, ²³² Th	²⁰⁸ Pb, ²³⁸ U, ²³⁵ U, ²³² Th
Sensitivity / Efficiency	3 10 ⁷ cps/ppm ²³⁸ U (20µm, 5 Hz)	3 10 ⁷ cps/ppm ²³⁸ U (20µm, 10 Hz)
Dwell time per isotope	24 ms	40 ms
Data Processing		
Gas blank	20 seconds on peak	15 seconds on peak
Calibration strategy	Duluth complex (FC1) / Fish Canyon Tuff / Tardree Rhyolite / Mt. Dromedary	91500 zircon / Fish Canyon zircon / Nist 610 SRM 610 ref. glass
Reference Material info	FC (Paces and Miller, 1993) / Fish Canyon (Kuiper et al., 2008) / Tardree (Ganerød et al., 2011) / Mt. Dromedary (Renne et al., 1998)	91500 (Wiedenbeck et al. 1995) / Fish Canyon Tuff (Kuiper et al., 2008) / Plesovice (Sláma et al., 2008)
Data Processing package	-	lolite (Paton et al., 2010)
Quality control / Validation (Ages = 206Pb/238U weighted average)	FC1 = 1097.8 ± 9.5 Ma / Tardree = 60.2 ± 0.9 Ma / Fish Canyon = 29.8 ± 0.4 Ma / Mt. Dromedary = 100.1 ± 1.5 Ma	Fish Canyon = 28.8 ± 0.2 (MSWD = 1.3) / Plesovice zircon = 338,7 ± 1.1 Ma (MSWD = 0.9)

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Table 1. Sample information

Sample Name	Location	Rock type
12ECC05	0°40'17.7"S 80°23'15.5"W	Sandstone
12ECC07	0°15'01.7"S 80°17'09.1"W	Coarse Sandstone
13ECC04	0° 4'43.00"S 80° 0'53.60"W	Coarse Sandstone
13ECC06	0°15'33.00"S 80° 1'4.90"W	Coarse Sandstone
13ECC07	0° 8'41.70"N 79°58'35.60"W	Coarse Sandstone
13ECC08	0° 7'57.10"N 79°48'23.20"W	Coarse Sandstone
13ECC11	0°44'14.40"N 79°40'40.40"W	Sandstone
13ECC12A	1° 4'16.80"N 79°24'52.10"W	Sandstone
13ECC12B	1° 5'8.40"N 79°23'22.20"W	Sandstone
13ECC34	1°21'24.70"S 80°33'15.00"W	Sandstone
16MCC03	1°35'20.34"S 80°32'22.92"W	Sandstone
16MCC06	1°49'19.62"S 80°17'1.80"W	Silicated Sandstone
18BCB02	0°40'17.7"S 80°23'15.5"W	Sandstone

Table 2. Apatite (U-Th-Sm)/He data

Sample	Aliquot	Rs (μm)	weight (μg)	F_T	4He (ncc/g)	U (ppm)	Th (ppm)	Sm (ppm)	eU (ppm)	Th/U	Age (Ma)	Age c (Ma)	$\pm \sigma$ (Ma)
12ECC05	G	56	3.7	0.78	5170	6.0	22.3	13.5	11.5	3.7	3.8	4.8	0.4
	H	94	20.7	0.88	9740	10.3	27.1	18.6	16.9	2.6	4.8	5.5	0.4
	I	61	5.9	0.81	12309	18.0	39.9	23.3	27.8	2.2	3.7	4.6	0.4
	J	45	2.0	0.69	6152	5.7	24.0	16.1	11.6	4.2	4.4	6.4	0.5
	L	76	8.8	0.84	16049	6.5	20.2	21.3	11.5	3.1	11.6	13.9	1.1
	M	80	12.5	0.84	7973	9.4	29.2	21.8	16.6	3.1	4.0	4.8	0.4
	N	58	4.2	0.79	6850	5.2	12.0	9.1	8.1	2.3	7.0	8.9	0.7
	O	68	7.2	0.81	14788	11.3	35.3	18.2	20.0	3.1	6.2	7.6	0.6
	P	92	19.0	0.88	3010	4.3	11.9	15.1	7.3	2.7	3.4	3.9	0.3
12ECC07	A	65	7.1	0.82	8209	8.8	31.0	70.4	16.7	3.5	4.2	5.1	0.4
	B	88	16.1	0.87	1692	2.9	10.5	26.2	5.5	3.7	2.6	3.0	0.2
	C	77	11.0	0.85	5139	5.5	18.6	41.2	10.2	3.4	4.3	5.0	0.4
	D	41	1.8	0.66	14477	6.9	20.8	0.0	12.0	3.0	10.1	15.3	1.2
13ECC04	C	48	2.8	0.77	1864	1.7	9.5	86.5	4.4	5.6	3.8	5.0	0.4
	D	46	2.1	0.69	3177	2.8	18.8	126.5	7.9	6.8	3.6	5.2	0.4
	E	48	3.2	0.75	2362	4.1	12.9	79.9	7.6	3.2	2.7	3.6	0.3
	F	54	3.8	0.79	2304	2.4	10.1	89.2	5.2	4.3	3.9	5.0	0.4
	G	46	1.9	0.74	9615	12.0	27.1	142.4	19.2	2.3	4.3	5.8	0.5
	H	51	2.8	0.75	13675	3.3	12.0	160.9	7.0	3.6	17.8	23.7	1.9
	I	42	2.1	0.72	37021	11.9	191.8	204.1	59.5	16.1	5.3	7.4	0.6
	J	36	1.0	0.61	784	1.1	28.4	0.0	8.0	25.1	0.8	1.4	0.1
13ECC06	A	61	4.6	0.80	4089	2.3	11.3	63.9	5.3	5.0	6.7	8.5	0.7
	B	59	3.5	0.76	4192	2.8	15.2	76.4	6.9	5.3	5.3	7.0	0.6
	C	68	8.4	0.83	2346	1.9	8.4	30.9	4.1	4.4	4.9	5.9	0.5
	E	64	6.4	0.80	4049	2.0	7.4	133.3	4.4	3.7	8.6	10.8	0.9
	H	45	1.5	0.69	8794	5.1	21.5	258.4	11.6	4.2	6.9	10.1	0.8
	I	45	2.5	0.74	5927	5.1	20.2	160.2	10.7	4.0	4.9	6.6	0.5
	J	43	1.8	0.76	2868	1.1	10.3	0.0	3.6	9.4	6.6	8.7	0.7
13ECC07	A	51	3.6	0.77	5737	4.0	18.5	83.4	8.9	4.6	5.6	7.3	0.6
	B	40	1.9	0.67	11407	9.5	23.9	89.4	15.7	2.5	6.2	9.2	0.7
	C	44	1.8	0.72	2305	2.0	14.9	79.9	6.0	7.6	3.4	4.8	0.4
	D	46	2.4	0.72	56381	17.2	53.4	124.5	30.8	3.1	15.6	21.6	1.7
	E	46	2.6	0.75	18241	14.3	38.1	59.1	23.9	2.7	6.4	8.6	0.7
	F	41	1.4	0.71	17303	10.5	34.8	233.2	20.0	3.3	7.5	10.6	0.8
	G	34	1.0	0.68	15537	12.3	34.4	207.8	21.7	2.8	6.2	9.2	0.7
	H	38	1.4	0.71	15709	15.7	48.1	185.4	28.2	3.1	4.8	6.7	0.5
	I	33	0.9	0.66	85865	11.0	51.0	163.7	24.2	4.6	30.5	46.1	3.7
	J	48	2.3	0.75	15196	9.3	30.1	165.2	17.4	3.2	7.6	10.1	0.8
	13ECC08	A	40	1.4	0.64	48265	53.5	71.8	175.5	71.8	1.3	5.6	8.8
C		46	2.6	0.75	12732	12.4	83.7	125.9	33.3	6.7	3.3	4.4	0.3
D		39	1.2	0.64	5170	6.9	22.2	205.0	13.3	3.2	3.4	5.4	0.4
13ECC11	A	71	8.7	0.82	2672	2.3	6.5	46.1	4.1	2.8	5.6	6.9	0.6
	C	68	11.1	0.81	1349	1.1	2.3	48.7	1.8	2.1	6.7	8.3	0.7
	D	50	2.8	0.75	13539	1.9	11.5	51.2	4.9	6.0	23.9	31.9	2.5
	E	57	4.5	0.77	3104	3.0	11.5	196.5	6.7	3.8	4.3	5.6	0.4
	F	60	5.2	0.81	4567	3.1	9.0	71.1	5.6	2.9	7.1	8.8	0.7
	G	58	4.7	0.78	15249	6.0	14.7	89.8	10.0	2.4	13.1	16.9	1.4
	J	76	10.8	0.81	2483	2.1	3.5	9.7	3.0	1.6	6.9	8.5	0.7

	K	59	3.9	0.76	6841	2.7	9.9	10.6	5.1	3.7	11.3	14.9	1.2
13ECC12a	A	62	7.2	0.78	1644	1.5	7.4	38.6	3.5	4.9	4.1	5.3	0.4
	B	111	28.4	0.87	2002	1.5	2.9	22.1	2.3	2.0	7.6	8.7	0.7
	C	60	4.3	0.80	1904	1.6	7.7	58.2	3.8	4.7	4.5	5.6	0.4
	D	92	20.6	0.85	1851	1.4	3.5	26.5	2.4	2.6	6.8	8.0	0.6
	E	70	7.9	0.79	2002	1.7	5.9	46.2	3.4	3.4	5.2	6.5	0.5
	F	54	4.2	0.78	8918	2.1	9.3	74.3	4.7	4.5	16.9	21.6	1.7
	G	60	7.2	0.79	6644	3.1	8.3	149.5	5.8	2.7	10.5	13.3	1.1
	H	43	2.1	0.74	23309	1.9	11.9	111.1	5.3	6.3	39.7	53.9	4.3
	I	58	3.5	0.75	8791	5.4	24.3	160.6	12.1	4.5	6.4	8.5	0.7
	J	47	2.3	0.70	7037	3.7	14.4	0.0	7.2	3.9	8.2	11.7	0.9
13ECC12b	A	66	6.1	0.81	1530	1.6	2.8	39.1	2.5	1.8	5.5	6.7	0.5
	B	57	4.9	0.77	2574	1.5	7.1	42.3	3.4	4.8	6.7	8.6	0.7
	C	49	2.5	0.74	15015	9.5	28.2	63.1	16.7	3.0	7.6	10.3	0.8
	E	44	2.3	0.74	4054	6.4	24.0	54.9	12.5	3.7	2.8	3.8	0.3
	F	47	2.1	0.70	18724	2.8	12.7	84.5	6.3	4.5	26.2	37.5	3.0
	G	40	1.9	0.69	42135	6.4	12.1	120.7	9.9	1.9	37.1	53.4	4.3
	H	48	2.5	0.74	19413	2.3	7.2	88.0	4.5	3.1	38.9	52.9	4.2
	I	54	3.0	0.74	12639	2.9	9.8	82.2	5.6	3.4	19.7	26.7	2.1
	J	58	3.5	0.75	7026	1.7	12.3	89.5	5.1	7.2	12.3	16.3	1.3
	K	51	2.8	0.75	8066	7.6	31.7	163.1	16.0	4.2	4.4	5.8	0.5
	13ECC34	A	52	2.3	0.72	9240	6.3	27.8	135.4	13.6	4.4	5.9	8.1
B		67	6.0	0.82	7818	6.4	20.9	65.6	11.8	3.3	5.7	6.9	0.6
C		68	7.3	0.85	13295	9.0	37.7	70.1	18.5	4.2	6.1	7.2	0.6
D		53	4.1	0.75	12519	9.3	42.6	98.1	20.1	4.6	5.3	7.1	0.6
E		51	3.2	0.78	12750	8.3	31.8	140.3	16.7	3.8	6.6	8.4	0.7
F		49	2.8	0.79	31863	21.4	77.5	13.4	40.3	3.6	6.6	8.4	0.7
G		56	3.9	0.75	8628	6.1	56.9	18.9	20.1	9.3	3.6	4.9	0.4
H		45	1.9	0.72	15179	12.4	59.7	43.4	27.1	4.8	4.7	6.6	0.5
J		52	3.0	0.75	7507	6.0	33.0	0.0	14.0	5.5	4.5	6.0	0.5
16MCC03		A	43	1.3	0.67	17354	8.3	37.6	20.1	17.5	4.5	8.4	12.5
	B	55	3.3	0.74	10056	6.5	27.5	12.5	13.2	4.2	6.4	8.7	0.7
	E	35	0.8	0.61	3210	2.7	31.6	32.9	10.5	11.9	2.6	4.3	0.3
	F	45	2.1	0.72	2651	3.8	14.7	14.5	7.4	3.9	3.0	4.1	0.3
	K	28	0.6	0.50	1413	0.6	10.0	14.0	3.1	17.0	3.9	7.7	0.6
	L	33	0.7	0.58	2785	2.3	37.4	0.0	11.3	16.6	2.1	3.6	0.3
16MCC06	A	45	1.9	0.77	9841	6.1	21.0	17.0	11.3	3.4	7.3	9.6	0.8
	B	43	1.4	0.67	6854	5.6	36.7	17.1	14.6	6.6	4.0	6.0	0.5
	C	46	2.5	0.76	10341	3.4	20.5	13.9	8.4	6.1	10.4	13.8	1.1
	D	59	4.2	0.79	21633	9.7	34.3	16.6	18.1	3.5	10.0	12.7	1.0
	E	37	1.1	0.62	2143	3.5	20.3	15.4	8.5	5.8	2.1	3.4	0.3
	F	48	2.1	0.70	3735	3.4	16.9	18.6	7.6	5.0	4.2	6.0	0.5
	G	77	10.2	0.87	7593	3.6	11.3	9.2	6.4	3.1	10.0	11.5	0.9
	H	69	7.6	0.81	3314	1.5	6.1	11.6	3.0	4.1	9.3	11.5	0.9
18BCB02	A	51	3.5	0.72	7993	7.9	29.1	0.0	15.0	3.7	4.5	6.3	0.5
	B	69	8.1	0.79	4537	5.0	16.4	0.0	9.0	3.3	4.2	5.3	0.4
	E	55	4.8	0.74	5414	5.1	22.1	0.0	10.5	4.3	4.3	5.9	0.5
	F	71	9.3	0.78	759	0.8	7.4	0.0	2.6	8.9	2.4	3.1	0.2

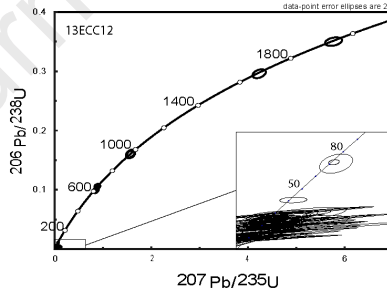
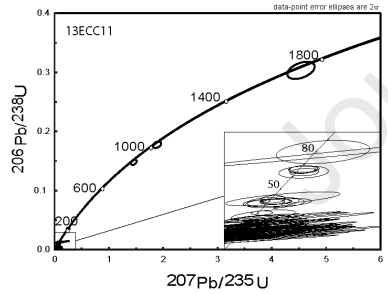
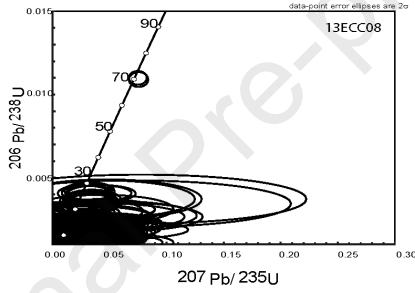
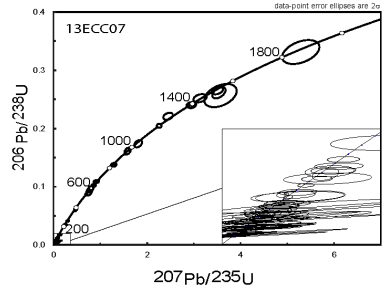
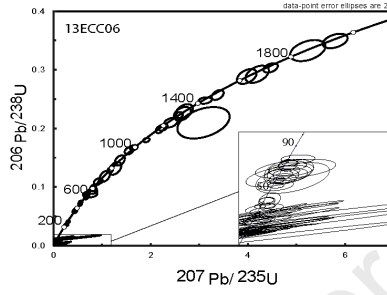
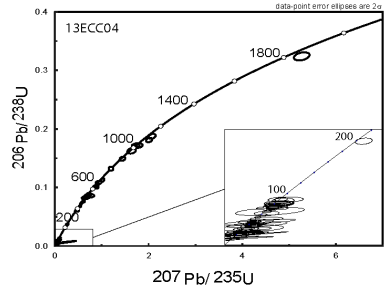
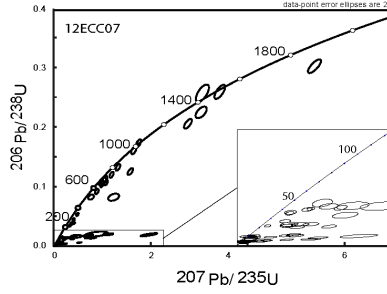
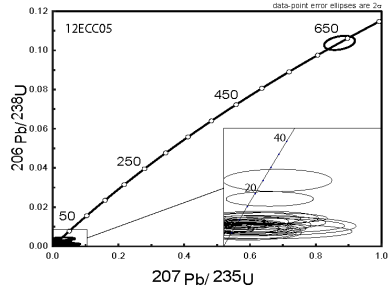
(U-Th)/He ages were performed by laser heating for He extraction and ICP-MS for U-Th determinations at GEOPS Université Paris Sud, France. The estimated analytical uncertainty for He ages is about 8% (2σ). eU is the effective uranium = $U + 0.243Th + 0.0046Sm$.

Table 3. Estimations of the youngest detrital zircon ages.

Sample Name	Number of grain in cluster	Age (Ma)	$\pm 2\sigma$ (Ma)	MSWD	Youngest concordant single age*
12ECC05	17	7.0	0.3	1.2	7.6 \pm 1.1 Ma
12ECC07	20	7.1	0.2	1.9	6.7 \pm 0.3 Ma
13ECC04	2	10.3	0.4	0.0	10.1 \pm 0.5 Ma
13ECC06	13	11.5	0.6	1.4	10.8 \pm 0.8 Ma
13ECC07	22	10.7	0.2	1.1	10.3 \pm 0.6 Ma
13ECC08	48	9.8	0.3	2.0	9.5 \pm 1.1 Ma
13ECC11	22	9.9	0.4	1.3	9.4 \pm 0.9 Ma
13ECC12A	23	9.6	0.3	1.4	8.6 \pm 0.8 Ma
13ECC12B	38	9.6	0.2	1.2	9.5 \pm 1.0 Ma
13ECC34	23	9.6	0.3	1.5	8.6 \pm 0.7 Ma
16MCC03	22	10.0	0.4	1.8	9.4 \pm 0.8 Ma
16MCC06	35	10.7	0.2	1.0	10.3 \pm 0.6 Ma
18BCB02	11	7.7	0.3	4.5	21.0 \pm 0.8 Ma

Systematic error estimated at 2.5%

*at <15% maximum of discordancy



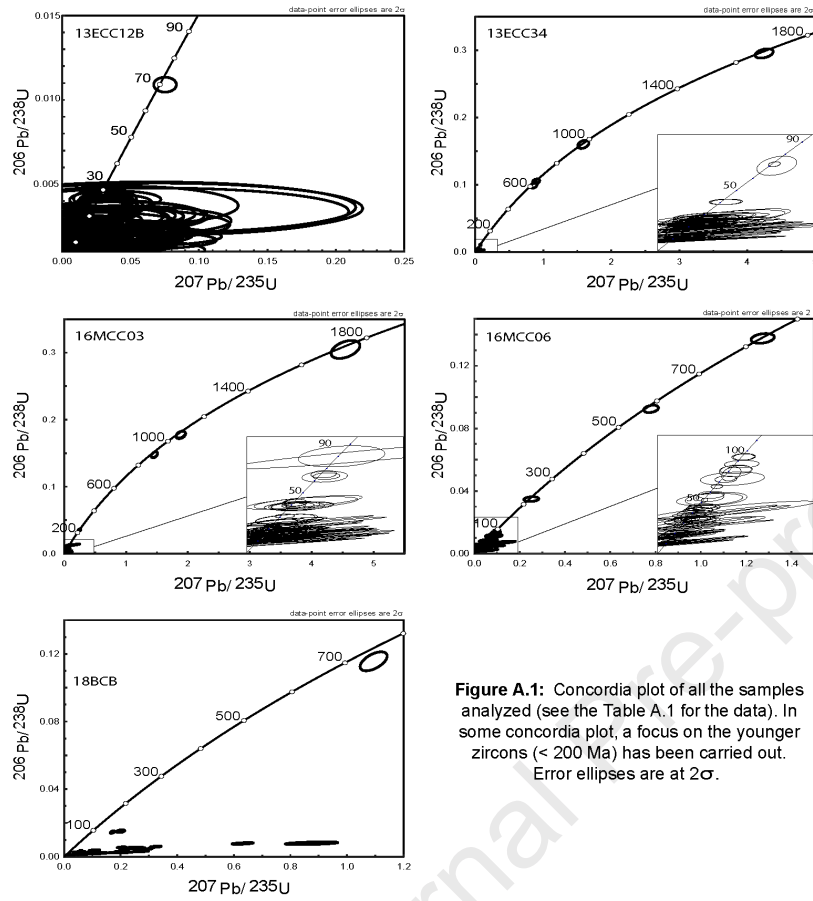
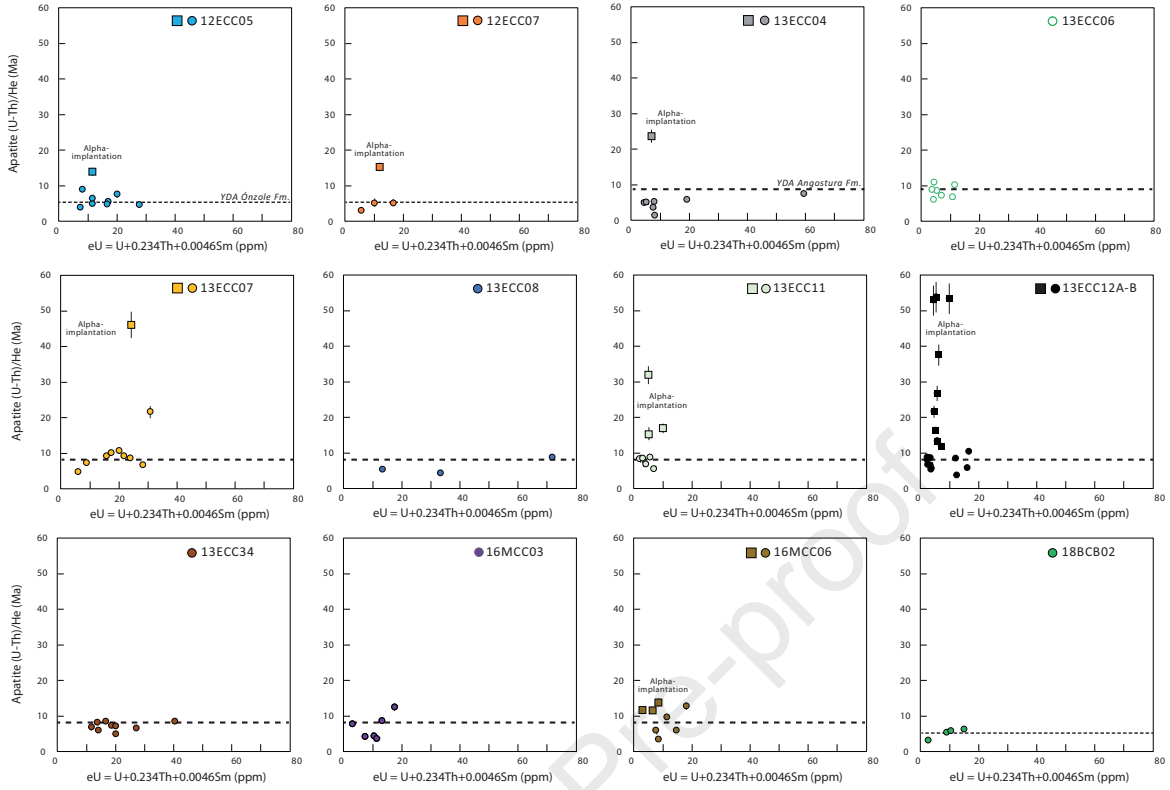
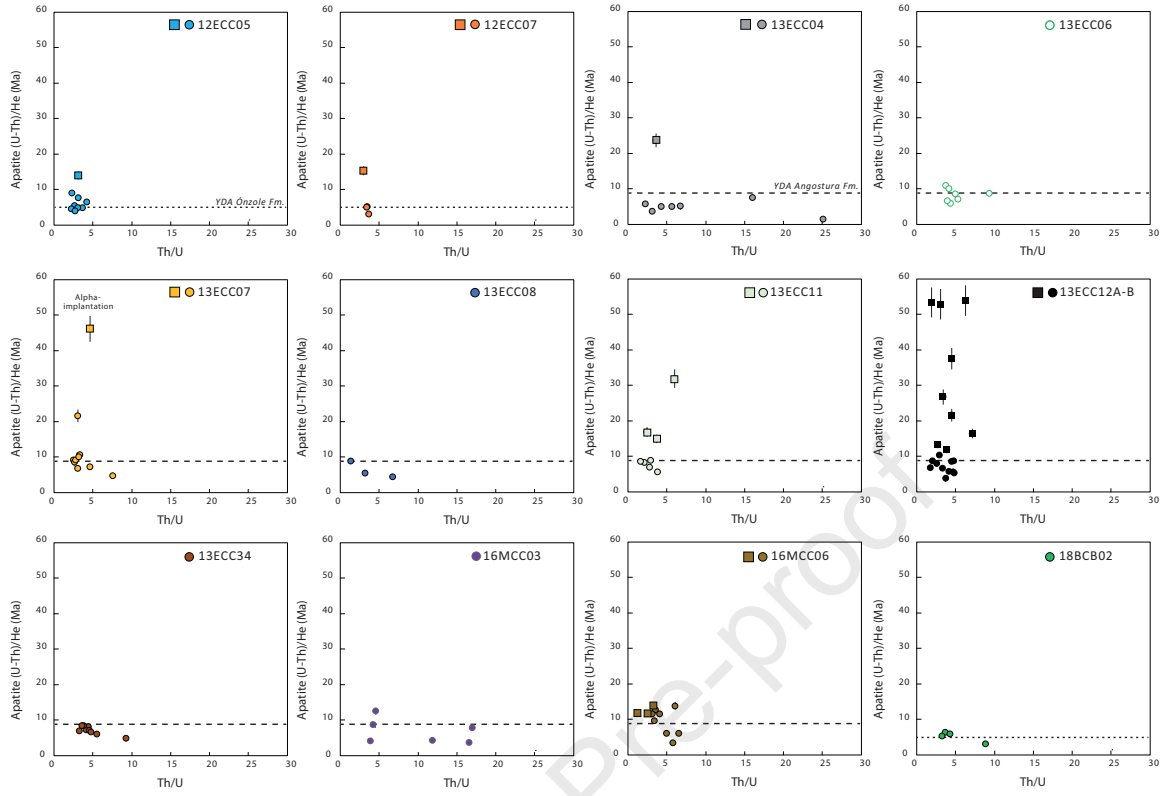
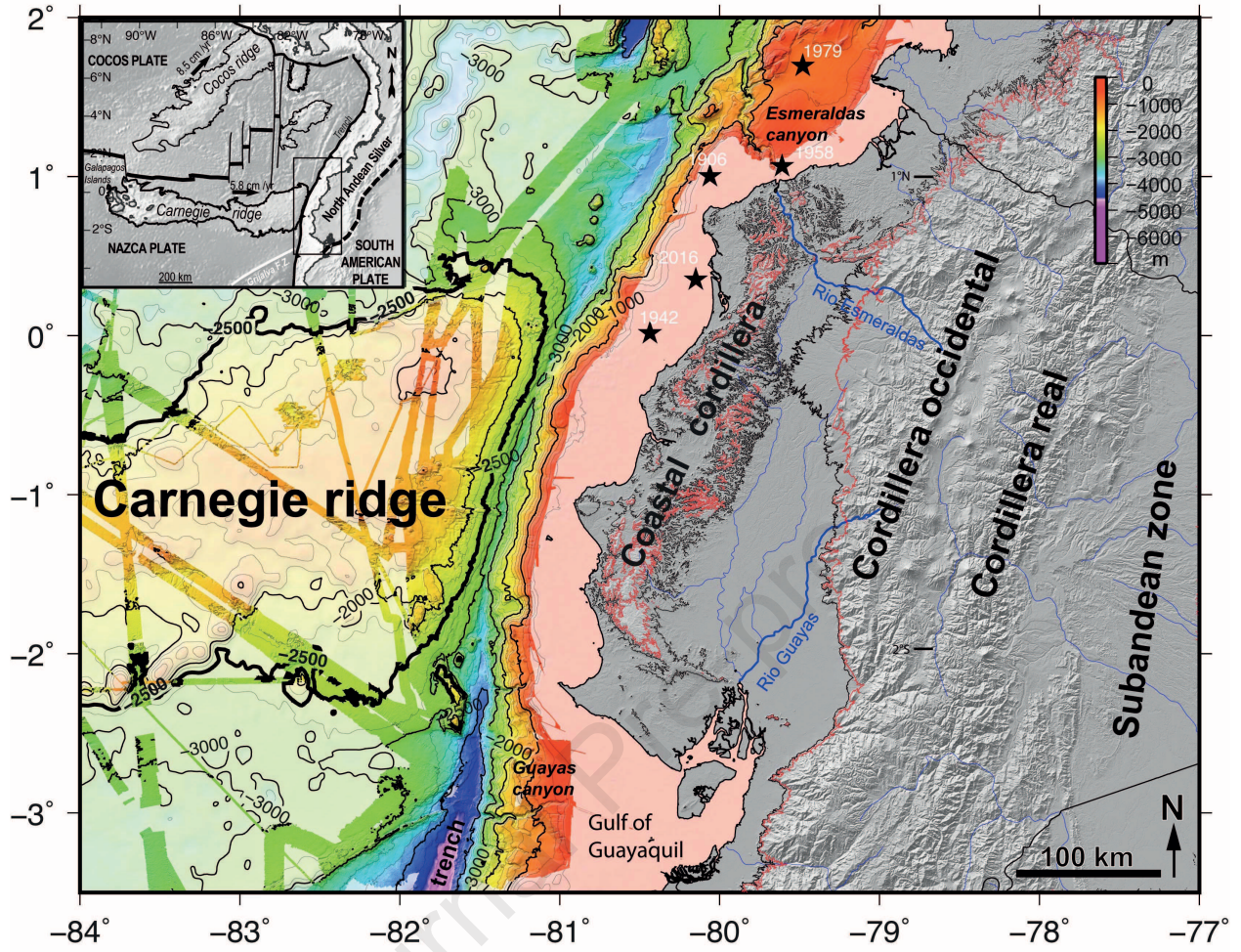
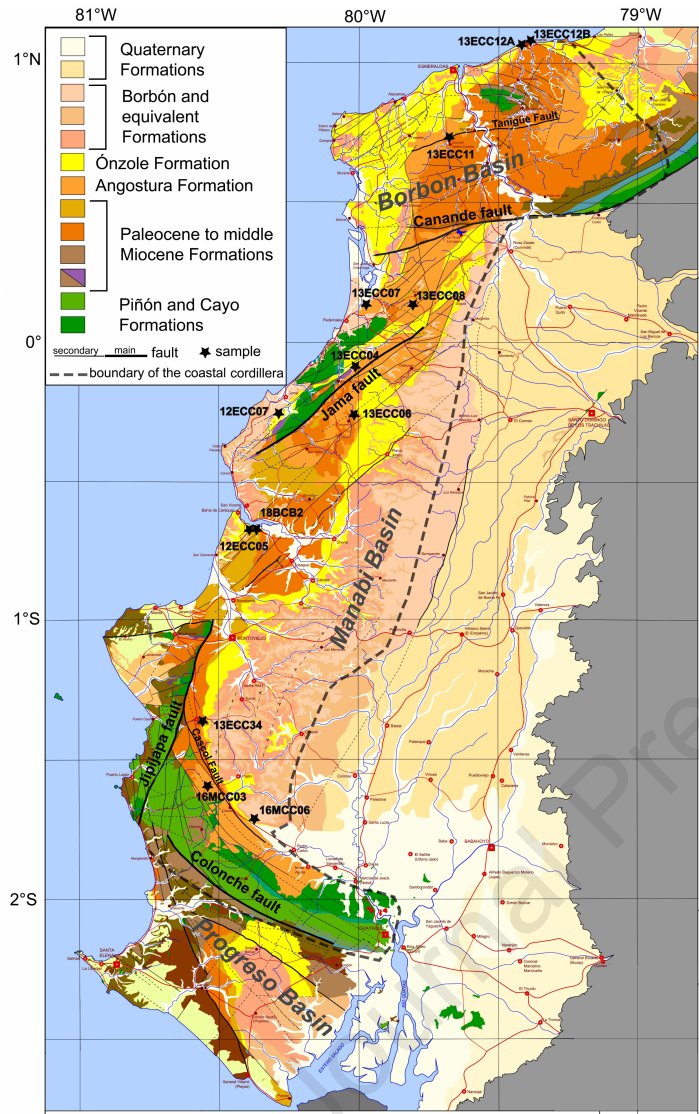


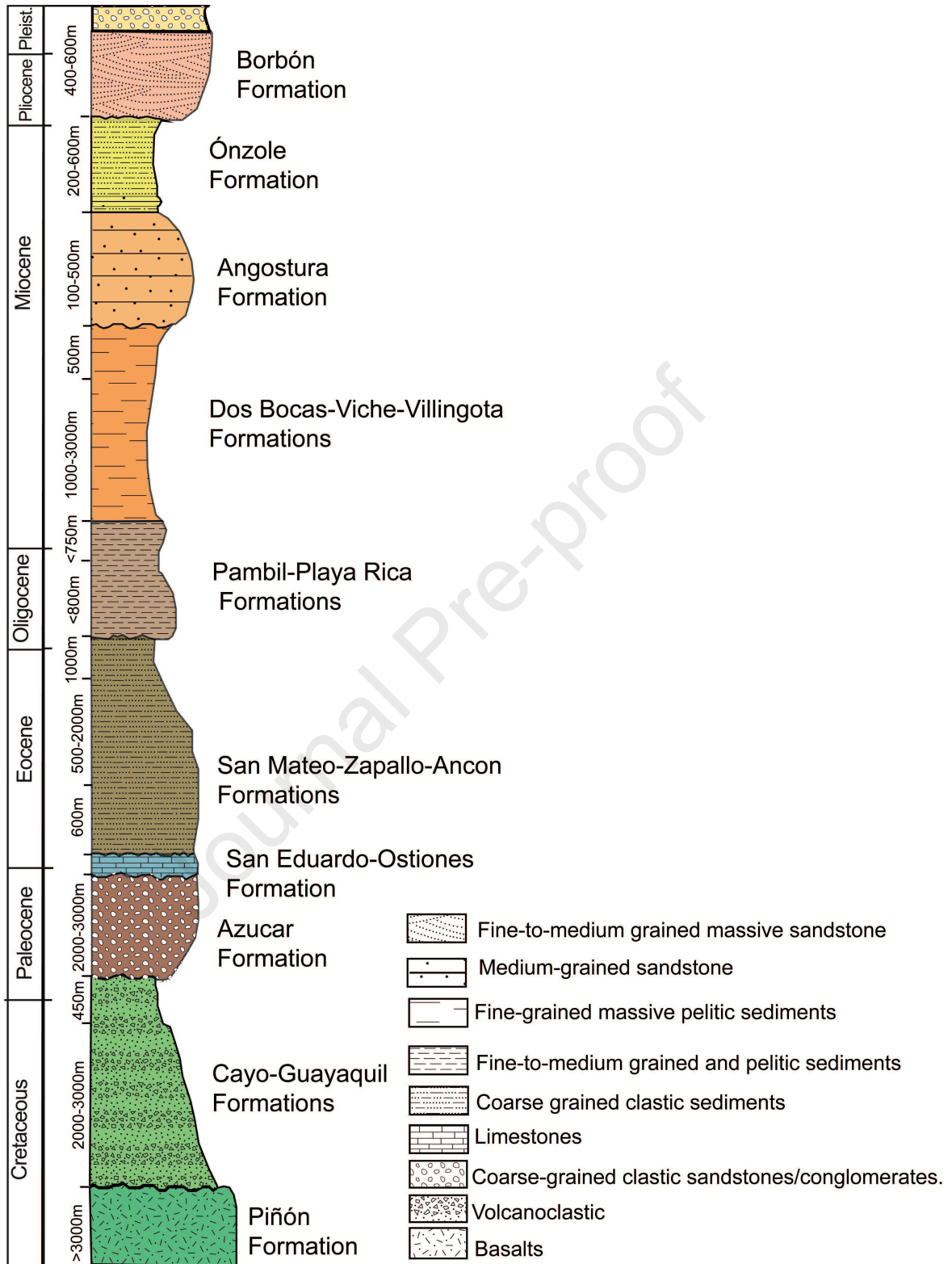
Figure A.1: Concordia plot of all the samples analyzed (see the Table A.1 for the data). In some concordia plot, a focus on the younger zircons (< 200 Ma) has been carried out. Error ellipses are at 2σ .

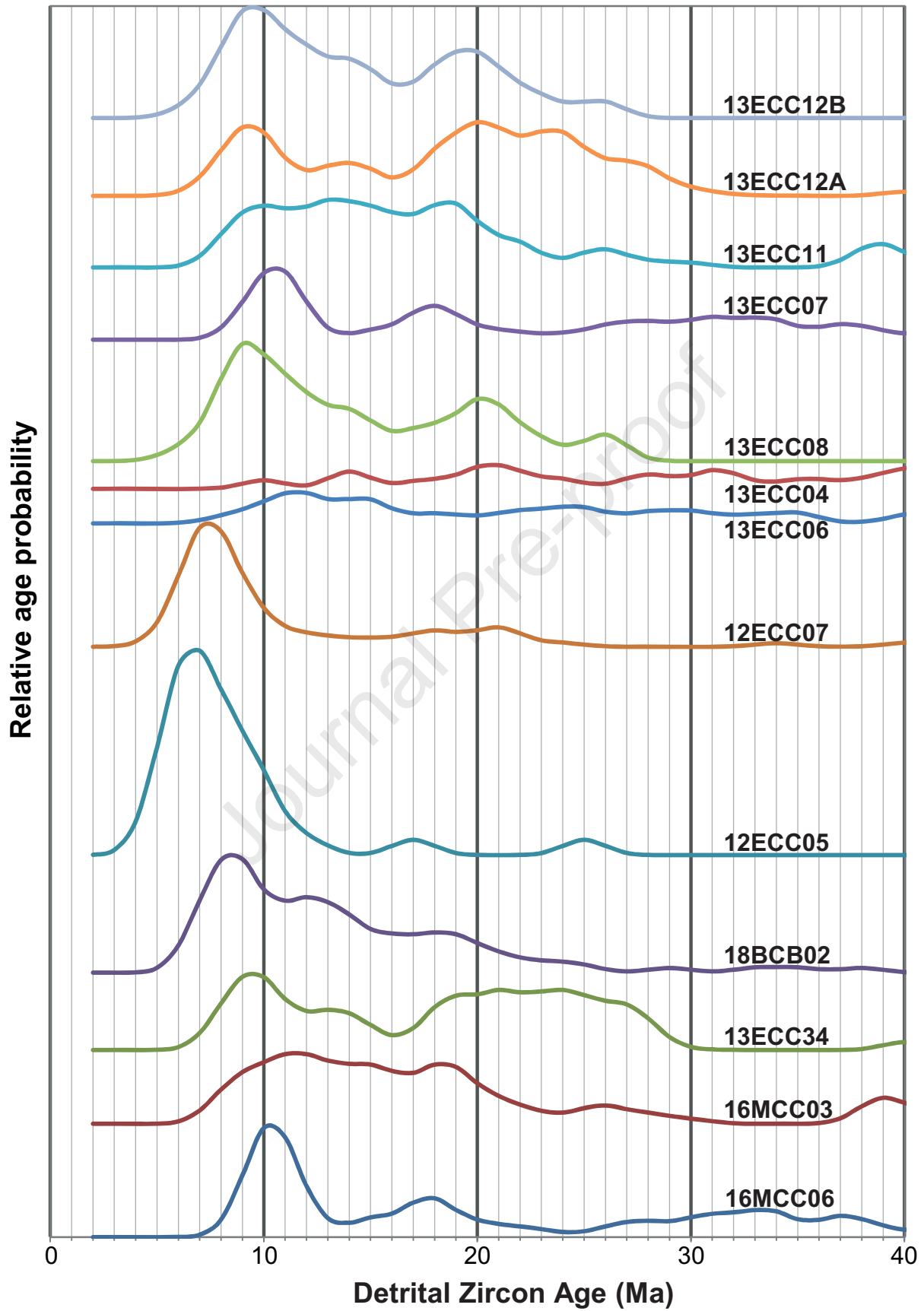


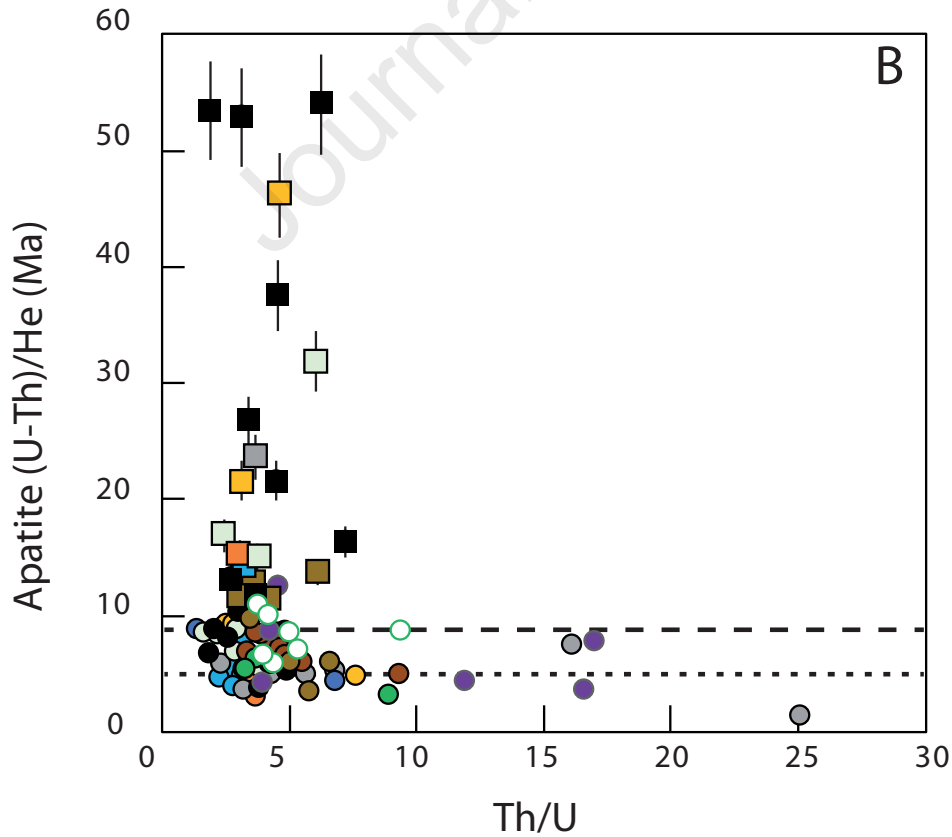
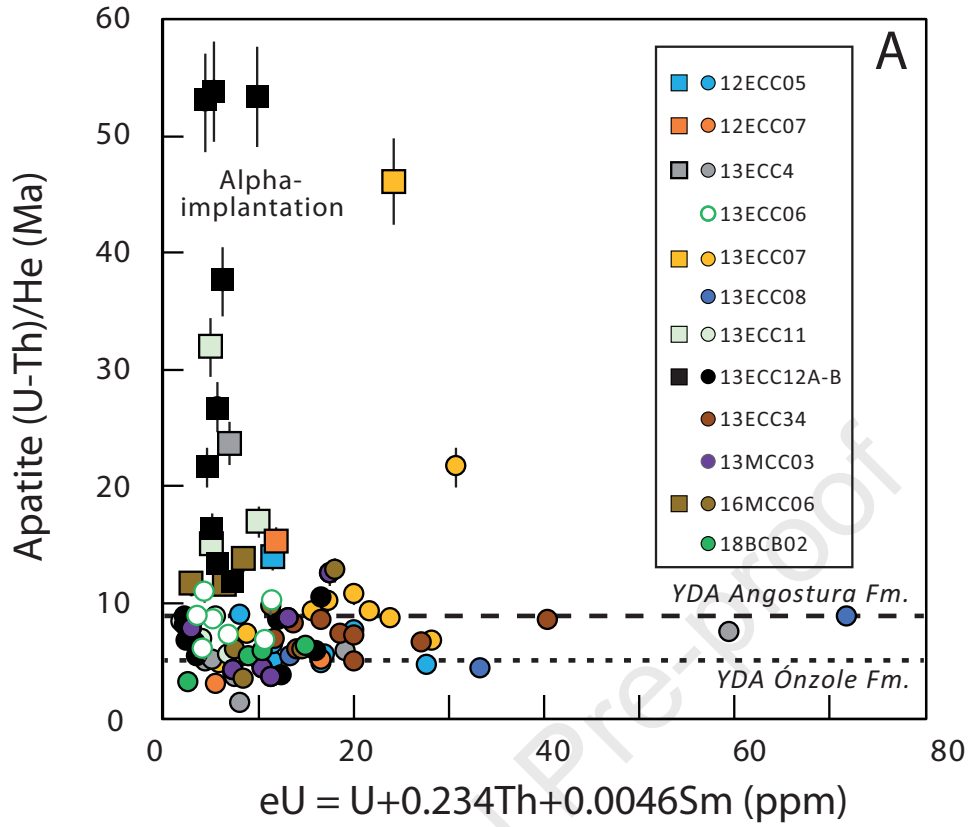


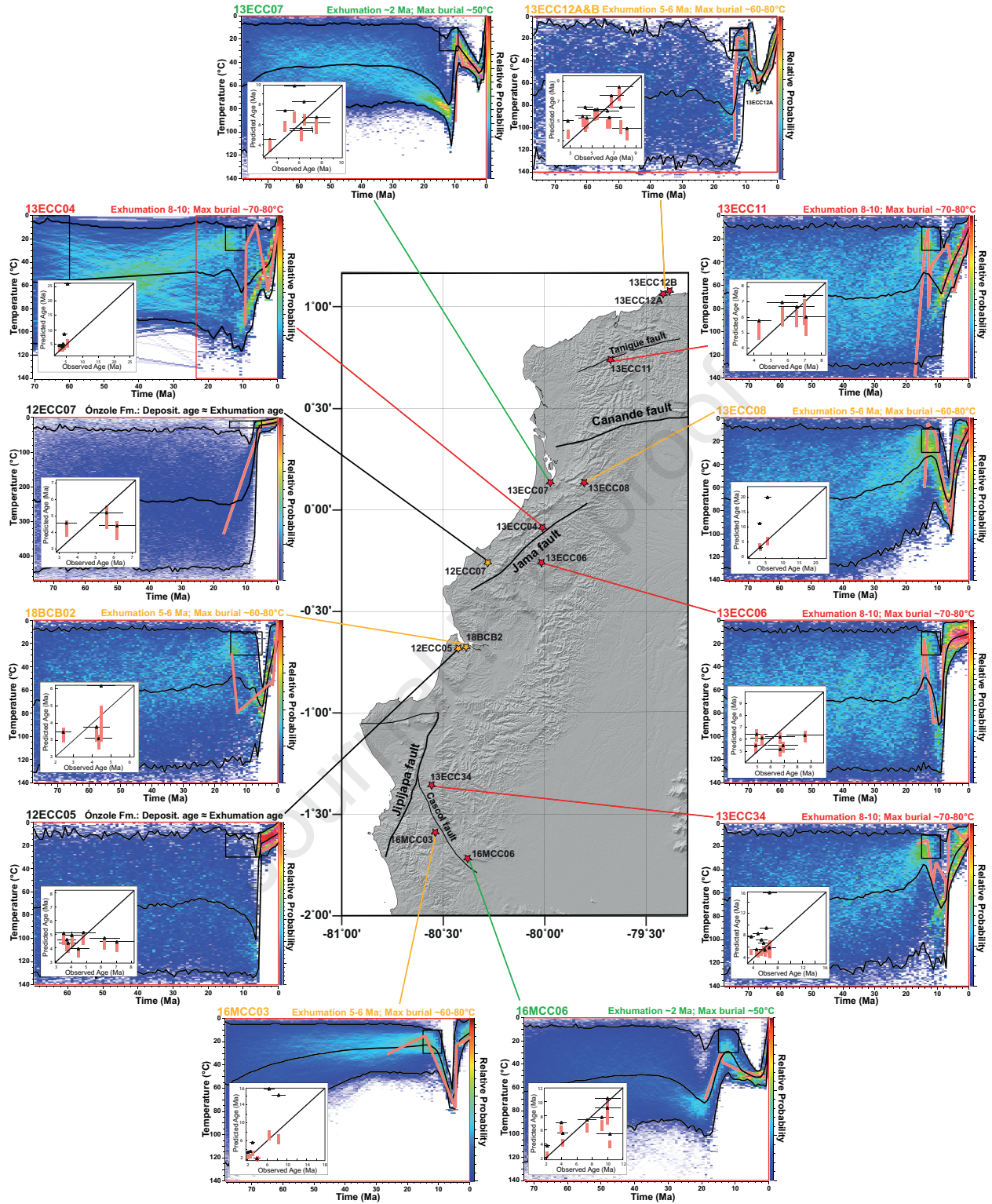












- Three main periods of exhumation have been recognized in the Coastal Cordillera of Ecuador
- Overriding plate kinematic changes can play a significant role in exhumation processes
- The Apatite (U-Th-Sm)/He thermochronometer is sensitive enough to provide reliable constraints in sedimentary domains

Journal Pre-proof

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