

1 **HIGH RESOLUTION INCLINATION RECORDS FROM THE GULF OF ALASKA,**
2 **IODP EXPEDITION 341 SITES U1418 AND U1419**

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23 SUMMARY

24 International Ocean Drilling Program (IODP) Expedition 341 recovered sediments from the
25 south Alaska continental slope that preserves a well resolved and dated inclination record over
26 most of the past ~43,000 years. The Site U1419 chronology (Walczak et al., 2020) is among the
27 highest resolution in the world, constrained by 173 radiocarbon dates, providing the ability to study
28 Paleomagnetic Secular Variation (PSV) on centennial to millennial timescales. This record has an
29 exceptionally expanded late Pleistocene sedimentary record with sedimentation rates commonly
30 exceeding 100 cm/kyr, while also preserving a lower resolution Holocene PSV record at the top.
31 Natural and laboratory-induced magnetic remanences of U1419 u-channels from the 112-meter-
32 long spliced record were studied using stepwise AF demagnetization. Hysteresis loops were
33 obtained on 95 and IRM acquisition curves on 9 discrete samples to facilitate magnetic domain
34 state, coercivity, and magnetic mineralogical determinations. Due to complexities related to
35 lithology, magnetic mineralogy, and depositional and post-depositional processes, Site U1419
36 sediments are not suitable for paleointensity studies and declination could not be robustly
37 reconstructed. Progressive (titano-)magnetite dissolution with depth results in decreasing NRM
38 intensity and signal-to-noise that is exacerbated at higher demagnetization steps. As a result,
39 inclination measured after the 20 mT AF demagnetization step provides the most reliable
40 directional record. Inclination appears to be well resolved with removal of just a few intervals
41 influenced by depositional and/or sampling and coring deformation. The shipboard inclination
42 stack from nearby IODP Site U1418, on a new age model developed from 19 radiocarbon dates
43 on U1418 and 18 magnetic susceptibility-based tie-points to site survey core EW0408-87JC
44 (Praetorius et al., 2015), verifies centennial to millennial scale variations in inclination observed
45 in U1419. Comparisons with other independently dated records from the NE Pacific and western

46 North America suggest that these sites likely capture regional geomagnetic variability. As such,
47 this new high-resolution and well-dated inclination record, especially robust between 15 to 30 cal
48 kyr BP, offers new geomagnetic insights and a regional correlation tool to explore this generally
49 understudied part of the world.

50

51 **Abbreviated title:** Gulf of Alaska inclination records

52 **Keywords:** Inclination, paleomagnetic secular variation, North Pacific, Alaska, late Pleistocene

53

54 **1. INTRODUCTION**

55 Paleomagnetic secular variations (PSV) of the Earth's magnetic field recorded in geological
56 archives provide regional expressions of dynamo activity (e.g., Lund, 2018; Korte et al., 2019a),
57 while the variations observed provide a pattern that can be used for regional correlation and
58 stratigraphic dating at millennial (e.g., Davies-Walczak et al., 2014; Reilly et al., 2018) and in
59 some cases centennial resolution (e.g., Stoner et al., 2007; Ólafsdóttir et al., 2013). Obtaining high-
60 resolution PSV records with robust, independent age control is, therefore, essential to improve our
61 understanding of geomagnetic change and for temporally calibrating stratigraphic correlations.

62 The continuity of marine records makes them especially useful for paleomagnetic studies.
63 Records from previously and/or presently glaciated margins are of particular interest as
64 sedimentation rates are often high, thereby preserving geomagnetic change at high temporal
65 resolution. Furthermore, the supply of fine-grained terrigenous material to glacial-proximal core
66 sites facilitates the generation of high-quality paleomagnetic records with mineral magnetic

67 properties suitable for paleomagnetic studies (e.g., Tauxe, 1993). Being surrounded by present
68 and previous ice sheets, the North Atlantic region is well represented when it comes to
69 paleomagnetic studies with many high-quality records preserved (e.g., Channell, 1999; Stoner et
70 al., 2007; 2013; Lund et al., 2017c). However, to improve our understanding of geomagnetic field
71 dynamics that may be regional in scale, independently dated records from other parts of the world
72 are needed.

73 While Holocene records are available for the Arctic Alaskan margin (e.g., Lund et al., 2016;
74 Deschamps et al., 2017) and North American lakes (e.g., Verosub et al., 1986; Geiss & Banerjee,
75 2003) in the Holocene, with some recent records building on prior data continuing these into the
76 Pleistocene (Lund et al., 2017a; Reilly et al., 2018), the majority of Pleistocene paleomagnetic
77 directional records from the Pacific sector are mainly obtained from the equatorial and western
78 Pacific Ocean (e.g., Richter et al., 2006; Lund et al., 2017b). In the Gulf of Alaska, one previous
79 paleomagnetic study has been carried out on cores EW0408-79JC and EW0408-85JC (Walczak et
80 al., 2017). These two sites yielded a 17,400-year record of PSV and, together with other northeast
81 Pacific records, formed the basis for the NEPSIAS inclination anomaly stack. Comparisons of the
82 NEPSIAS stack to northern North Atlantic records demonstrated connections between these
83 directional records that offers important insights to the North American and Euro/Mediterranean
84 flux lobes, as well as opening up for PSV correlations over longer distances (Walczak et al., 2017).
85 In this study, we build upon those latest glacial/Holocene Gulf of Alaska PSV records and extend
86 the inclination record back to ~43,000 cal yr BP. We demonstrate that, even in complex
87 depositional environments, the high lithogenic flux and accumulation rates associated with glacial
88 proximal environments, when combined with robust high-resolution chronological control, can
89 provide geomagnetic insights and stratigraphic tuning targets rarely obtained.

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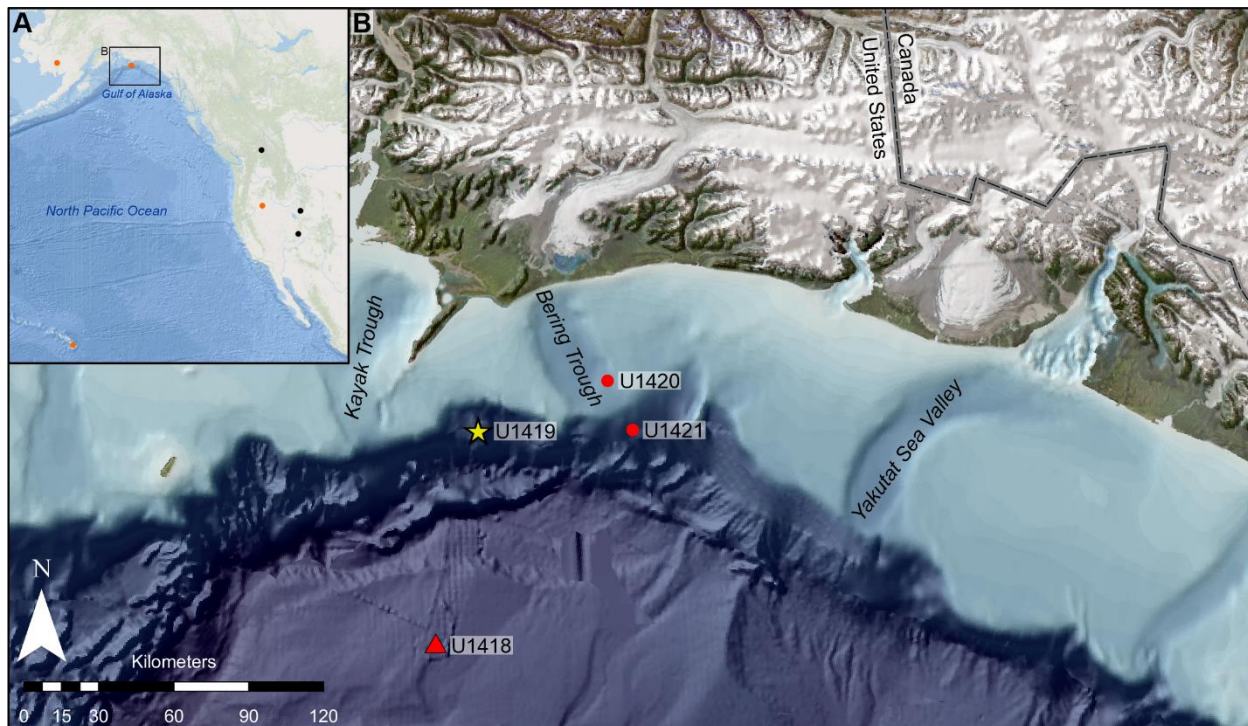
91 **2. BACKGROUND**

92 The International Ocean Drilling Program (IODP) Expedition 341 took place in 2013 in the
93 Gulf of Alaska, onboard the *DV JOIDES Resolution*. Site U1419 (59°31.9297'N; 144°8.0282'W)
94 consists of five holes that were drilled on the upper continental slope between the mouths of the
95 Kayak and Bering cross-shelf troughs (Fig. 1), at a water depth of 687 meters. Sediments at Site
96 U1419 are dominated by their proximity to a temperate tidewater glacial system, with clast-poor
97 diamict being the most commonly observed lithofacies (Jaeger et al., 2014; Penkrot et al., 2018).
98 In contrast, post-glacial sediment in the upper 6.3 m CCSF-A of the splice are characterized by
99 lower density (800-1100 HU) massive muds with two discrete intervals of laminated and sub-
100 laminated mud without clasts (Walczak et al., 2017; Velle et al., in prep). The remainder of the
101 splice is characterized by variations of the diamict lithofacies, including clast-poor to clast-rich
102 diamict, sandy diamict, and stratified diamict (Penkrot et al., 2018) which are all generally
103 associated with high densities. A few intervals of stratified or laminated muds with few clasts are
104 observed at 76.6-75.7, 71.2-70.7, and 42.9-42.6 m CCSF-A (Velle et al., in prep), likely reflecting
105 more pelagic depositional conditions.

106 Site U1418 (58°46.6095'N; 144°29.5777'W) is located on the upper portion of the Surveyor
107 Fan at a water depth of 3667 m (Fig. 1). The sediment at Site U1418 is generally characterized by
108 interbedded silt and color-banded mud, with lonestones occurring below 3 m CCSF-A. Intervals
109 of diatom-bearing to diatom-rich mud, volcanic ash, and graded sand beds also occur sporadically
110 throughout. The Pleistocene to Holocene sediment supply to Site U1418 is thought to be mainly

111 settling and overbank deposits from sediment gravity flows from the adjacent channels on the
 112 Surveyor Fan, as well as dropstones from iceberg and/or sea-ice rafting (Jaeger et al., 2014).

113



114

115 **Figure 1:** A: Overview of the northeast Pacific region with locations of cores and sites
 116 incorporated in the NEPSIAS (Walczak et al., 2017) and WNAM17 (Reilly et al., 2018) stacks
 117 indicated in orange and black circles, respectively. B: The Gulf of Alaska with IODP Expedition
 118 341 drill Sites. Site U1419 is indicated by a yellow star which also marks the location of U1419
 119 of site survey core EW0408-85JC mentioned in the text. The Surveyor Fan Site U1418 is indicated
 120 by a red triangle. This triangle also marks the location of core EW0408-87JC mentioned in the
 121 text.

122

123 3. METHODS

124 Coring and u-channel sampling

125 At Site U1419, a continuous record (splice) consisting mostly of sections from holes D and
126 E (and to some extent from holes A, B and C), was established based on shipboard measurements
127 of sedimentary physical properties (e.g., magnetic susceptibility, color, density, etc.). The splice
128 of Site U1419 comprises the sediment between 0 m CCSF-A (mudline) and 112.1 m CCSF-A
129 (Jaeger et al., 2014).

130 At Site U1418, six holes (A to F) were drilled, recovering a total of 819 m of early
131 Pleistocene to Holocene sediment. A continuous splice record based on shipboard measurements
132 was constructed for Site U1418 (Jaeger et al., 2014). Note, however, that data from all six drilled
133 holes are used in this paper.

134 For both Site U1418 and Site U1419, the composite depth below seafloor (CCSF-A) depth
135 scale is used in this paper. This depth scale assumes that the mudline in the first core section of
136 one hole (U1419B-1H-1A) is the sediment/water interface. This depth scale allows direct
137 comparison with other measurements made at 1-cm intervals but is not corrected for sediment
138 expansion during coring as in CCSF-B (c.f. Jaeger et al., 2014). A table displaying the conversion
139 from spliced U1419 u-channel depths (in cm) to depths in meters CCSF-A and CCSF-B can be
140 found in the paper's supplementary materials.

141 U-channels were sampled from the presumably pristine center of the archive halves of split
142 cores from Site U1419 using 2x2 cm cross-section plastic liners with lengths of up to 1.5 meter at
143 the IODP Gulf Coast Repository at Texas A&M University in College Station, Texas, USA.
144 Highly compacted sediment and an abundance of clasts prevented the sampling of the intervals

145 between 86.08–89.3 m CCSF-A, 90.2–91.6 m CCSF-A, as well as the very bottom of the splice
146 from 111.4–112.1 m CCSF-A.

147

148 **Physical properties**

149 All U1419 u-channels were scanned using a Siemens SOMATOM Definition AS+ 128 CT
150 scanner at *Institut national de la recherche scientifique, Centre Eau Terre Environnement* (INRS-
151 ETE) in Québec City, Canada, for information on the sediment's physical properties (density) and
152 internal structures. High-resolution (sub-millimeter) images were obtained for each 0.4 mm, with
153 0.2 mm overlap from one image to another. For each image, CT-number profiles reflecting density
154 changes within the sediment were derived (cf. Fortin et al., 2013).

155

156 **Collection and processing of shipboard magnetic measurements**

157 Shipboard data from Site U1418 and U1419 were collected at between 1-5 cm resolution
158 using a 2-G Enterprises model 760-R long-core superconducting rock magnetometer aboard the
159 *JOIDES Resolution*. All archive core halves were measured before and after demagnetization up
160 to 20 mT as part of routine shipboard measurements (Jaeger et al., 2014).

161 Inclination stacks were developed for both U1419 and U1418 using the shipboard-derived
162 inclination records after 20 mT demagnetization. Data from all holes at Site U1419 and five holes
163 at Site U1418 (Supplementary materials 4) were placed on their CCSF-A depth scale and
164 combined after removing section edges and intervals noted as having sediment deformation. For
165 each site, the inclination stack was generated using a Gaussian filter with 10 cm full width at half

166 maximum (FWHM) and resampling at 5 cm intervals (after Walczak et al., 2015). For figures in
167 this study, a 5-point smoothing filter was applied to the U1418 data in intervals with sedimentation
168 rates > 100 cm/kyr (i.e., prior to 16,500 cal yr BP). For Site U1419 shipboard data, a 20-point
169 smoothing filter was applied.

170

171 **U-channel magnetic measurements**

172 Remanence measurements for the Site U1419 u-channels were performed using 2G
173 EnterprisesTM model 755-1.65UC superconducting rock magnetometer at the Paleomagnetism and
174 Marine Geology Laboratory at *Institut des sciences de la mer de Rimouski* (ISMER) in Rimouski,
175 Canada, and at the Paleo-and Environmental Magnetism Laboratory at Oregon State University
176 (OSU), USA. Stepwise alternating field (AF) demagnetization was used to study the natural
177 remanent magnetization (NRM) and laboratory remanent magnetizations, all at 1 cm intervals. As
178 the sediments were demagnetized shipboard up to 20 mT, any differences between the 0 mT and
179 20 mT steps seen in the u-channel measurements at ISMER and OSU correspond to a viscous
180 remanent magnetization acquired by the sediment after its initial shipboard measurement. All
181 U1419 u-channels were subsequently demagnetized using peak AF incremented at 5 mT steps
182 from 20 to 70 mT and 10 mT steps from 70 to 100 mT. The anhysteretic remanent magnetization
183 (ARM) was obtained by implementing a DC biasing field (0.05 mT) on the alternating field (100
184 mT), and the isothermal remanent magnetization (IRM) and saturated isothermal remanent
185 magnetization (SIRM) were induced by using a 2G pulse magnetizer with intensities of 300 and
186 950 mT, respectively. For ARM and IRM, the u-channels were measured and subsequently
187 demagnetized using peak AF fields of 10, 20, 25, 30, 35, 40, 45, 50 and 60 mT, whereas peak AF
188 fields of 0, 10, 30, and 50 mT were used for SIRM. The magnetometers have response functions

189 of 7-8 cm (Oda & Xuan, 2014), therefore, the first and last 5 cm of each u-channel were excluded
190 to reduce the edge effect associated with section breaks (Weeks et al., 1993). Due to lack of
191 azimuthal orientation during coring, declinations were rotated to a core mean of zero and then
192 additionally rotated to align across the spliced core sections

193 ARM susceptibility (k_{ARM}) for U1419 u-channels was obtained by normalizing the ARM by
194 the biasing field and is indicative of the concentration of ferrimagnetic material in the sample,
195 while being biased to smaller magnetic grain sizes (Banerjee et al., 1981). The median destructive
196 field (MDF) is based on the AF demagnetization data and is defined as the AF required to reduce
197 the initial remanent magnetization by half. Due to the initial shipboard NRM measurements and
198 demagnetization (up to 20 mT), the calculation of MDF_{NRM} is not straightforward, therefore, the
199 MDF of ARM (MDF_{ARM}) is used instead as an indicator of coercivity of the remanence carriers.

200 Magnetic susceptibility is the magnetic response of a material to an applied magnetic field
201 and is used as an indication of the concentration of magnetic (or magnetizable) material within a
202 sample. Analyses of the low-field magnetic susceptibility (k_{LF}) were performed at the Paleo-and
203 Environmental Magnetism Laboratory at Oregon State University (OSU), USA. Each U1419 u-
204 channel was measured three times using a three second measurement period at increments of 1 cm
205 with a Bartington MS2 u-channel loop sensor on a purpose-built automated tracking system.
206 Similar results were obtained for each measurement of each u-channel, and the mean of the three
207 iterations is reported here.

208

209 **Discrete magnetic measurements**

210 The Princeton Measurement Corporation MicroMag 2900 alternating gradient force
211 magnetometer (AGM) at ISMER was used to obtain information on the hysteresis properties for
212 Site U1419 sediments. Properties measured included coercivity (H_c), coercivity of remanence
213 (H_{cr}), saturation magnetization (M_s), and saturation remanence (M_{rs}), all of which are indicators of
214 magnetic mineralogy and grain size (e.g., Day et al., 1977). Analyses were performed on small
215 discrete samples collected from the base of each U1419 u-channel (approx. every 150 cm). The
216 para- and diamagnetic contribution in the samples were corrected for using the MicroMag AGM
217 software. IRM acquisition curves were obtained from ten selected samples, using a final field of 1
218 T with measurement increments of 25 mT.

219

220 **Age models**

221 The U1419 age model (Walczak et al., 2020) is based on 173 foraminiferal radiocarbon
222 dates, with gamma-ray attenuation bulk density (GRA) correlations used to map in an additional
223 79 foraminiferal radiocarbon dates from independently dated U1419 site survey core EW0408-
224 85JC (cf. Fig. 1) in the late deglacial/Holocene (Davies-Walczak et al., 2014). Bayesian age
225 modeling software BChron (Haslett & Parnell, 2008) was used to generate an age-depth model
226 based on all foraminiferal radiocarbon dates, with constant benthic ΔR of 1200 +/- 600 years, and
227 planktic ΔR values averaging 370 ± 350 years, but allowed to vary as a function of the paired
228 benthic radiocarbon data available for this site (Walczak et al., 2020). A simple one-dimensional
229 vertical circulation box model, assuming modern mixing (calculated as diffusion) with an input
230 water mass age at 800-1000 m depth informed by the benthic ages, was used to estimate changes
231 in surface ocean reservoir age. These results were then used to generate a time transient site-

232 specific estimate of the ΔR value. All dates were converted to calendar ages using the Marine13
233 calibration curve (Reimer et al., 2013).

234 Sediment samples from Site U1418 were sieved at 63 μm and picked at $>125 \mu\text{m}$ for
235 planktonic and $>250 \mu\text{m}$ for benthic foraminifera, with care taken to avoid infaunal benthic species
236 (as per methods reported for U1419 site survey core EW0408-85JC in Davies-Walczak et al.,
237 2014). Radiocarbon analyses were performed at Australian National University (ANU) at the
238 Single Stage Accelerator Mass Spectrometry (SSAMS) Lab in the Research School of Earth
239 Sciences (Fallon et al., 2010). Instrument reproducibility over the course of the project was tracked
240 via the analysis of 32 unleached aliquots of the 18,200 ^{14}C years TIRI/FIRI turbidite standard
241 (Guilderson et al., 2003); individual dates averaged $18,210 \pm 50$ ^{14}C years ($1-\sigma$) and ranged from
242 18,110 to 18,300 ^{14}C years with individual reported errors of between 45-70 ^{14}C years. The
243 Bayesian age model for U1418 was generated via an evaluation of all available planktic
244 foraminiferal dates (19) and magnetic susceptibility-based tie-points to core EW0408-87JC (cf.
245 Fig. 1; Praetorius et al., 2015) in the age modeling program BChron (Haslett & Parnell, 2008).
246 Ages were calibrated using the Marine20 calibration curve (Heaton et al., 2020) and a variable ΔR
247 modeled off the benthic-planktic informed ΔR in the results from Site U1419. A table of the dated
248 samples and a table converting the depths of radiocarbon dated samples from CCSF-A to CCSF-
249 B are available in the paper's supplementary materials.

250

251 **Table 1:** Radiocarbon dates from Site U1418 and EW0408-87JC. Conversion of CCSF-A to
252 CCSF-B depths are found in the paper's supplementary materials.

Site	Sample name	Mean depth CCSF-A (m)	Age ¹⁴C (years)	Age ¹⁴C error σ	Calibrated age (cal yr BP)	Calibrated age error σ
EW0408-87JC	EW0408_87JC_38-40P	0.29	1640	15	704	16
EW0408-87JC	EW0408_87JC_207-210P	1.60	8520	20	8505	28
EW0408-87JC	EW0408_87JC_244-246P	1.91	10715	20	11221	14
EW0408-87JC	EW0408_87JC_249-251P	1.94	10740	40	11244	34.5
EW0408-87JC	EW0408_87JC_254-256P	1.96	10975	30	11734	73.5
EW0408-87JC	EW0408_87JC_266-268P	2.11	11090	25	11952	43
EW0408-87JC	EW0408_87JC_280-282P	2.28	11695	30	12695	20.5
EW0408-87JC	EW0408_87JC_300-302P	2.40	12460	40	13427	33.5
EW0408-87JC	EW0408_87JC_328-330P	2.65	13170	40	14195	54.5
EW0408-87JC	EW0408_87JC_340-342P	2.74	13330	45	14595	154.5
EW0408-87JC	EW0408_87JC_380-382P	3.07	13830	30	15475	74
U1418	U1418C_1H3_16-20P	3.18	13923	79	15626	137
EW0408-87JC	EW0408_87JC_419-422P	3.31	14290	40	16145	50
EW0408-87JC	EW0408_87JC_458-462P	3.61	14560	70	16499	110.08
EW0408-87JC	EW0408_87JC_490-494P	3.86	14840	70	16952	105.5
EW0408-87JC	EW0408_87JC_539-542P	4.41	14930	60	17085	82
EW0408-87JC	EW0408_87JC_918-922P	8.09	15060	45	17272	74
U1418	U1418D_2H3_16-20P	8.16	15167	49	17424	63.5
EW0408-87JC	EW0408_87JC_1000-1004P	9.15	15020	50	17212	82
U1418	U1418C_2H3_116-120P	14.17	15180	118	17422	154.5
EW0408-87JC	EW0408_87JC_1447-1450	16.14	15445	40	17753	57.5
U1418	U1418C_2H5_16-20P	16.17	15416	98	17718	114
U1418	U1418D_3H3_6-10P	18.30	15440	79	17745	96

U1418	U1418D_3H5_96-100P	22.20	15454	71	17760	86
U1418	U1418C_3H5_46-50P	26.14	15787	51	18122	70.5
U1418	U1418D_4H2_86-90P	28.15	15826	51	18172	91.5
U1418	U1418D_4H5_36-40P	32.153	16470	53	18841	43.5
U1418	U1418C_4H3_96-100P	34.193	16565	53	18922	47
U1418	U1418D_5H2_26-30P	38.145	17790	59	20411	73.5
U1418	U1418D_5H4_145-148P	42.145	18455	63	21244	97.5
U1418	U1418D_5H6_26-30P	44.145	18804	117	21715	137
U1418	U1418D_6H3_46-50P	50.201	19923	146	22932.5	188.66
U1418	U1418C_6H4_86-90P	56.15	22092	91	25577	87.5
U1418	U1418D_9H3_86-90P	80.192	28323	190	31282	102
U1418	U1418E_2H2_71-75P	90.162	34517	402	37959	573
U1418	U1418E_2H3_120-124P	92.162	37203	536	40914	514.08
U1418	U1418E_2H5_21-25P	94.162	42871	1073	45351	959.08

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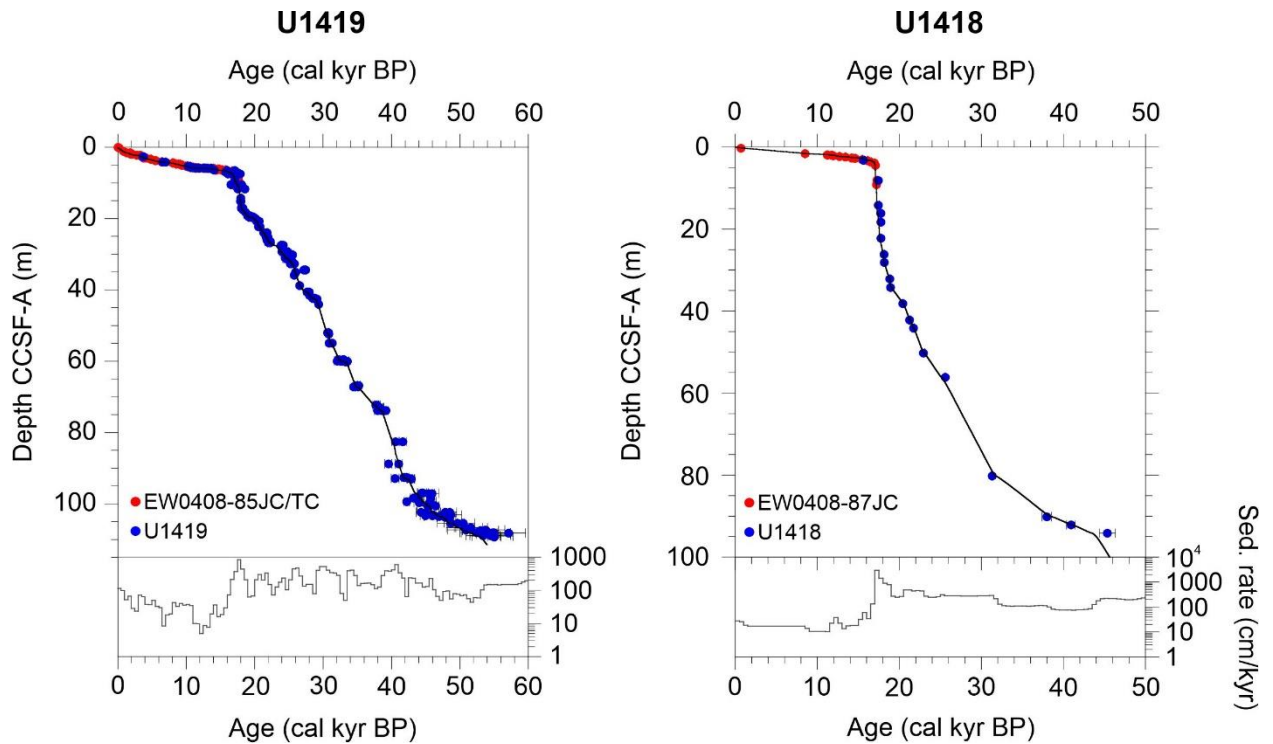
254 **4. RESULTS**255 **Chronostratigraphy**

256 The age model for Site U1419 (Walczak et al., 2020) puts the base of the splice record at
257 >50,000 cal yr BP. When averaged over 500 years, sedimentation rates at this site vary between 5
258 and 835 cm/kyr. The lowest rates are observed in the Holocene and deglacial portion of the record,
259 after 16,500 cal yr BP, with a mean of 36.6 ± 25.6 cm/kyr. Prior to ~16,000 cal yr BP,
260 sedimentation rates vary between 43.5 and 835 cm/kyr with a mean of 210 ± 135 cm/kyr. The
261 highest rates (835 cm/kyr) are observed between 18,000 and 17,500 cal yr BP (Walczak et al.,
262 2020; Fig. 2).

263 Sedimentation rates for Site U1418 are binned at 1000 years for the period between 25,000
264 and 50,000 cal yr BP, and at 500 years younger than 25,000 cal yr BP. Sedimentation rates for this
265 Site U1418 vary between approximately 10 and 2918 cm/kyr. Prior to 18,000 cal yr BP,
266 sedimentation rates vary between 74 and 897 cm/kyr with a mean of 255.7 ± 170.7 cm/kyr. The
267 highest rates are observed between 18,000 and 17,000 cal yr BP with a mean rate of 2158.8 ± 877
268 cm/kyr. After 17,000 cal yr BP mean sedimentation rates drop to 23.1 ± 21.4 cm/kyr, with the
269 lowest rates (10.2 cm/kyr) occurring between 11,500 and 11,000 cal yr BP (Fig. 2).

270 Site U1418 is located almost 50 nm south of U1419, separated by the Aleutian Trench and
271 approximately 3 km of water depth. Although this difference in depositional environment is
272 highlighted in their respective lithologies (see above), the parallels in accumulation rate through
273 the past ~40,000 cal yr BP are evident. The independent radiocarbon-based chronology of Site
274 U1418, although of lower resolution than its U1419 counterpart, shows similar patterns in
275 sedimentation rate with the highest accumulation rates during the late Pleistocene sustained
276 through the deglaciation, and much lower rates during the post-glacial interval (Fig. 2).

277



278

279 **Figure 2:** Left: U1419 age model (Walczak et al., 2020) and sedimentation rates. Red circles
 280 indicate GRA tie-points to core EW0408-85JC and TC (Davies-Walczak et al., 2014) whereas blue
 281 circles are calibrated ages from Site U1419. Right: U1418 age model with sedimentation rates.
 282 Red circles indicate magnetic susceptibility tie-points to core EW0408-87JC (Praetorius et al.,
 283 2015) and blue circles indicate calibrated ages from U1418. Note the difference in axes between
 284 the two Site.

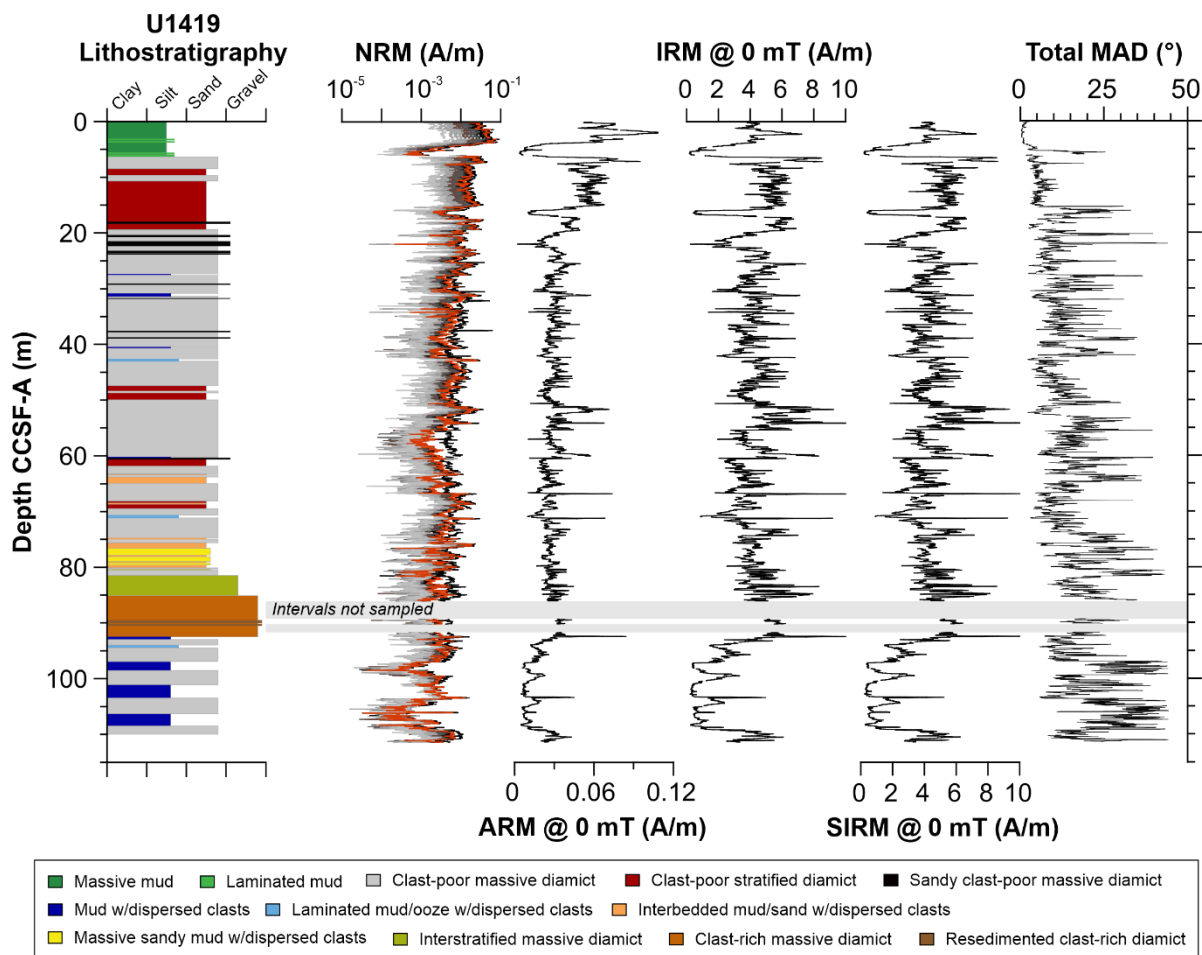
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286 Magnetic remanence and directions

287 The highest NRM intensities after 20 mT AF demagnetization are found in the upper 4 m
 288 CCSF-A, corresponding to the Holocene (Walczak et al., 2017), with mean values of ~ 0.04 A/m
 289 ± 0.01 A/m (Fig. 3). Significant variability in NRM intensities are observed below, with the lowest

290 values, $< 4 \times 10^{-4}$ A/m between 4.0 - 6.3 m, ~ 0.002 A/m between 15.9 - 16.6 m, and $< 4 \times 10^{-5}$
291 A/m between 97 - 109.2 m CCSF-A (Fig. 3). The overall trend of reducing intensity with depth is
292 illustrated by NRM intensities averaged over 20 m intervals, that decrease from 0.018 ± 0.014 A/m
293 for the 0 to 20 m interval to 0.004 ± 0.003 A/m from 60 to 80 m CCSF-A interval. ARM intensities,
294 like NRM intensities, decrease with depth from a mean of 0.04 ± 0.02 A/m from 0 to 20 m to a
295 mean of 0.02 ± 0.007 A/m from 60 to 80 m CCSF-A. Discrete intervals of low ARM intensities
296 (0.007 - 0.01 A/m) are observed between 4.0 and 6.3 m, 15.9 and 16.6 m CCSF-A, and between 97
297 and 109 m CCSF-A (Fig. 3). In contrast, IRM intensities (and k_{LF} values) remain generally high
298 with mean values of 4.34 ± 1.34 A/m between 6.3 and 92.5 m CCSF-A, with much lower mean
299 values 1.5 ± 0.02 A/m from 92.5 to 109 m CCSF-A with a return to higher values at the base (109
300 to 111 m CCSF-A; Fig. 3).

301



302

303 **Figure 3:** U1419 lithostratigraphy (modified from Penkrot et al., 2018), natural remanent
 304 magnetization (NRM) with all AF demagnetization steps with the 20 mT demagnetization step
 305 highlighted in red as it is described in more detail in the text. Note that the NRM is plotted on a
 306 logarithmic scale. Laboratory remanences (ARM, IRM, and SIRM) as measured before
 307 demagnetization, and the maximum angular deviation (MAD) values for the entire range of
 308 demagnetization steps (including the measurement at 0 mT).

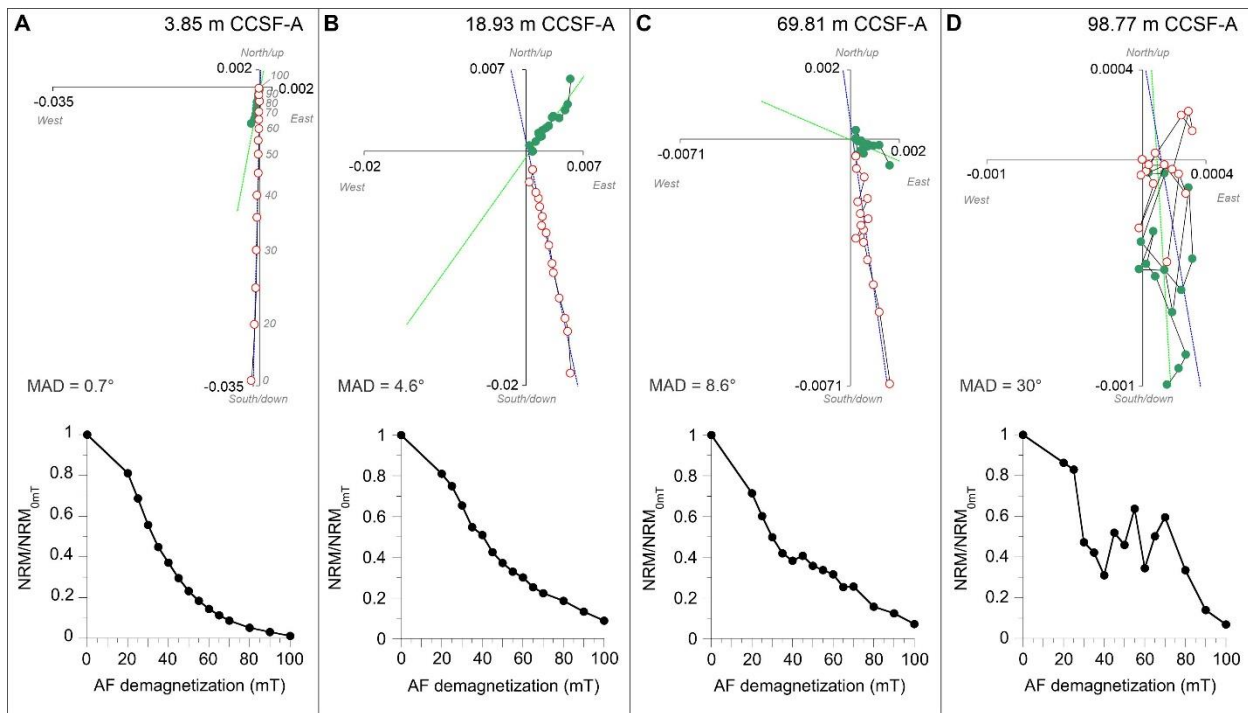
309

310 Vector end-point diagrams (Zijderveld plots; Zijderveld, 1967; Fig. 4) document variably
 311 well resolved magnetizations that are, in general, best defined when using the lowest

312 demagnetization steps. Principle component analysis (PCA), following the approach outlined by
313 Kirschvink (1980), allow calculation of component magnetizations over various ranges of
314 demagnetization steps while calculating the goodness of fit relative to a straight line using a
315 statistic known as maximum angular deviation (MAD) values, a quantity that can provide an
316 estimate of the quality of the magnetization (e.g., Khokhlov and Hulot, 2016). Component
317 magnetizations calculated from a variety of AF demagnetization steps between 20 to 50 mT in the
318 upper ~ 5 m, corresponding to the Holocene, are associated with MAD values $< 5^\circ$ (Fig. 5).
319 Whereas much higher MAD values of $5\text{-}20^\circ$ are found for the low intensity interval between 5-6
320 m CCSF-A, corresponding to the Bølling-Allerød (Davies et al., 2011). Relatively low MAD
321 values from $5\text{-}10^\circ$ are associated with component directions to a depth of 15 m CCSF-A. Below
322 15 m CCSF-A, MAD values are variable and increasing with depth ($2.2\text{-}45^\circ$; Fig. 5). Using various
323 subsets of demagnetization steps, reveal that MAD values are reduced using ranges restricted to
324 the lower coercivity steps, with little change in the calculated inclination (Fig. 5). MAD values
325 based on low coercivity steps (20-40 mT) are mostly $< 10^\circ$ above 30 m CCSF-A, varying around
326 10° down to 70 m CCSF-A, and $> 10^\circ$ from 70 m CCSF-A to the base of the splice. MAD values
327 are lowest (mean of $15.6^\circ \pm 10^\circ$) when using the lowest coercivity 20-40 mT interval, compared
328 to those derived from a broader range or when using higher coercivity AF demagnetization steps.
329 MAD values increase as intensities decrease, both down core and at the meter level, suggesting
330 that higher AF demagnetization steps are adding noise rather than signal to our directional
331 reconstructions. This is consistent with a mixed magnetic assemblage (see below) where the
332 primary magnetization is dominantly held by the low coercivity ferrimagnetic component that
333 becomes increasingly reduced in concentration with depth, a classic signal for progressive
334 reductive diagenesis (Stoner et al., 2003; Rowan et al., 2009; Walczak et al., 2017). This is

335 supported by shipboard porewater sulfate that declines to almost zero by 23 m CCSF-A (Jaeger et
 336 al., 2014). Therefore, the NRM directions captured from lowest coercivity demagnetization steps
 337 that retain the greatest proportion (least demagnetized) of ferrimagnetic materials are likely to be
 338 the most reliable (Fig. 5).

339



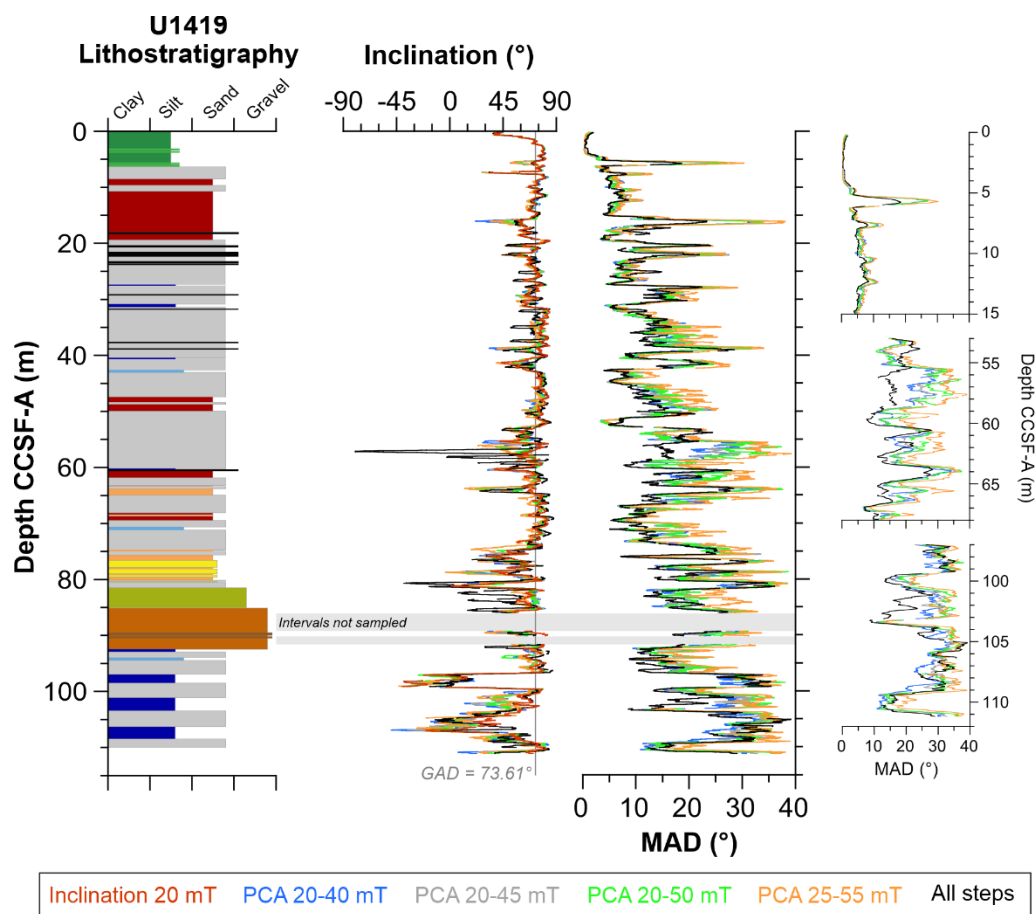
340

341 **Figure 4:** Vector end-point diagrams (Zijderveld, 1967) from four representative intervals of Site
 342 U1419 are displayed in the top panels with the corresponding MAD values for the entire range of
 343 demagnetization steps. AF demagnetization steps in mT are indicated in grey in panel A. Open
 344 circles represent projections on the vertical plane, and closed circles the horizontal plane.
 345 Corresponding demagnetization plots are displayed below.

346

347 Component inclinations calculated from a series of demagnetization steps and inclination
 348 measured after only the 20 mT AF demagnetization step are generally similar (Fig. 5). However,
 349 the mean of the 20 mT inclination ($66.4^\circ \pm 18^\circ$) is closer to the expected geocentric axial dipole
 350 ($GAD = 73.6^\circ$) inclination for the site latitude compared with calculated component inclinations
 351 (from 59° to 63°). The largest differences occur when component inclinations are shallow. These
 352 intervals often coincide with high MAD values and low NRM intensities, suggesting poorly
 353 defined directions with higher AF demagnetization steps introducing noise.

354



355

356 **Figure 5:** U1419 lithostratigraphy (modified from Penkrot et al., 2018), selection of PCA ranges
 357 for U1419 inclination and their associated MAD values, all with a 40-point smoothing. The

358 inclination as measured at 20 mT is highlighted in red as it is described in more detail in the text.
359 Selected intervals display examples of agreeing and diverging MAD values (right). The reader is
360 referred to Figure 3 for lithostratigraphy legend.

361

362 Below 96 m CCSF-A, shallow and even negative inclinations are observed (Fig. 5). Such a
363 shift between 96.9 and 99.5 m CCSF-A was recognized shipboard as drilling disturbance (Jaeger
364 et al., 2014) that was further corroborated by the CT scans. Similarly, the shallow inclination
365 values (30-50°) at the very top of the splice, between 0 and 1.3 m CCSF-A, are excluded due to
366 soft sediment deformation as noted in the u-channel sampling notes. Neither of these intervals are
367 included in our directional reconstructions.

368

369 **Magnetic mineralogy, grain size, and concentration**

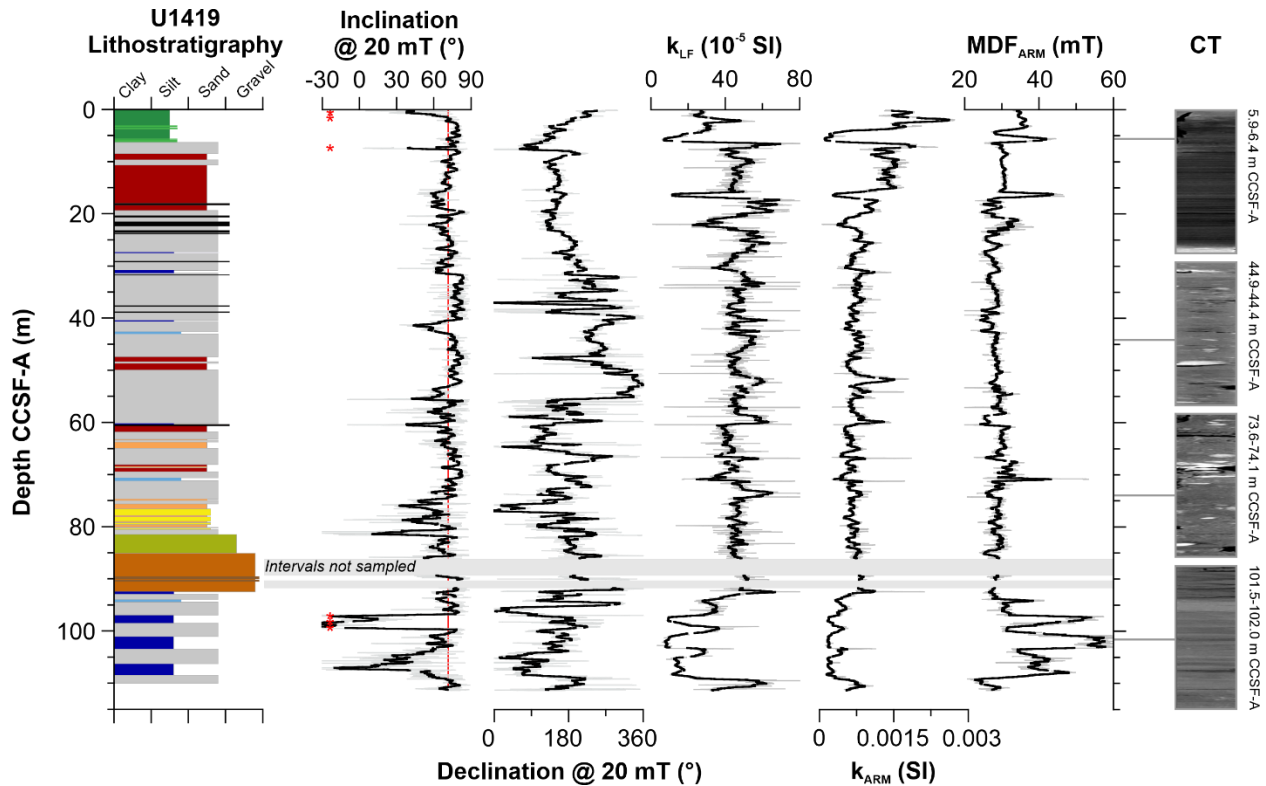
370 The magnetic susceptibility of the sediments at Site U1419 varies between 8×10^{-5} SI and
371 65×10^{-5} SI, with generally higher values observed between 6.3 and 92.5 m CCSF-A (mean of 46
372 $\times 10^{-5}$ SI $\pm 10 \times 10^{-5}$ SI). Notably lower magnetic susceptibility values between 8 and 16×10^{-5} SI
373 are observed in the intervals 4-6.3, 93.9-94.7, 97.0-99, 101-103, and 105-109 m CCSF-A (Fig. 6).

374 Aside from in a few intervals, the MDF_{ARM} generally varies around 30 mT. Low intensity
375 intervals at 93.9-94.7, 97-99, 101-103, and 105-109 m CCSF-A are associated with high > 50 mT
376 MDF_{ARM} values. Whether these high coercivity phases are masked by high ferrimagnetic
377 concentrations in other intervals is not apparent. All but two IRM acquisition curves saturate by
378 300 mT, further indicating a ferrimagnetic, likely (titano-) magnetite mineralogy (Fig. 7). Two

379 samples from around 103 m CCSF-A did not saturate at 1 T, indicating a higher coercivity
380 magnetic minerals such as e.g., hematite, are present in this low intensity and high MDF_{ARM}
381 intervals (Fig. 6).

382 Hysteresis parameters are consistent with a mixture of magnetic grain sizes that fall within
383 the pseudo-single domain (PSD) to multi-domain (MD) regions of a Day et al. (1977) plot, parallel
384 to the Dunlop, (2002a, 2002b) magnetite mixing lines (Fig. 7). Higher coercivity ratios for any
385 given M_{rs}/M_s than expected for magnetite can be driven by many factors including distributions of
386 magnetic grain-sizes and mineralogies (Roberts et al., 2018). MDF_{ARM} (Fig. 6) illustrates down-
387 core variations in coercivity, suggesting that there may be a mixture of magnetic mineralogies.
388 Samples plotting in the MD field are typically found below 60 m CCSF-A, but also occur in the
389 low-intensity interval between 4.5 and 6.3 m CCSF-A, and at higher intensity intervals at ~27.3
390 and ~51.4 m CCSF-A. The largest scatter in hysteresis data are observed in samples from below
391 92.5 m CCSF-A.

392



393

394 **Figure 6:** U1419 lithostratigraphy (modified from Penkrot et al., 2018), inclination measured at
 395 20 mT with the GAD latitude (73.6°) indicated in red; rotated declination as measured at 20 mT,
 396 magnetic susceptibility (k_{LF}), ARM susceptibility (k_{ARM}), and MDF of ARM. Details from CT
 397 images displaying characteristic lithofacies are shown on the right. Red asterisks mark intervals
 398 that are disregarded due to disturbance either during drilling or u-channel sampling. The reader is
 399 referred to Figure 3 for lithostratigraphy legend.

400

401 5. DISCUSSION

402 U1419 u-channel natural remanent magnetization and directional record

403 Variable NRM intensities and the quality of magnetization as measured by the MAD values
404 at Site U1419 are likely a result of an intricate interplay of lithology, magnetic mineralogy,
405 depositional, and post-depositional processes (diagenesis). This is illustrated, for example, by the
406 downcore decrease in NRM and ARM intensities (Fig. 3) typical of progressive ferrimagnetic
407 dissolution due to reduction diagenesis (e.g., Roberts, 2015). In addition, difficulties in retrieving
408 and sampling coarse-grained sediments may have also influenced the record. As a result, Site
409 U1419 does not fulfill the criteria generally considered necessary to derive reliable relative
410 paleointensity estimates (Tauxe, 1993). However, as Site U1419 has an exceptional radiocarbon
411 chronology, a rarity for late Pleistocene paleomagnetic records and with sedimentation rates high
412 enough to resolve centennial to millennial scale PSV, records of directional variability could
413 facilitate a deeper geomagnetic understanding. The lack of precise dating often limits our ability
414 for spatial comparison (e.g., Panovska et al., 2018) and as a result, our understanding of the
415 dynamics involved in geomagnetic change (Walczak et al., 2017).

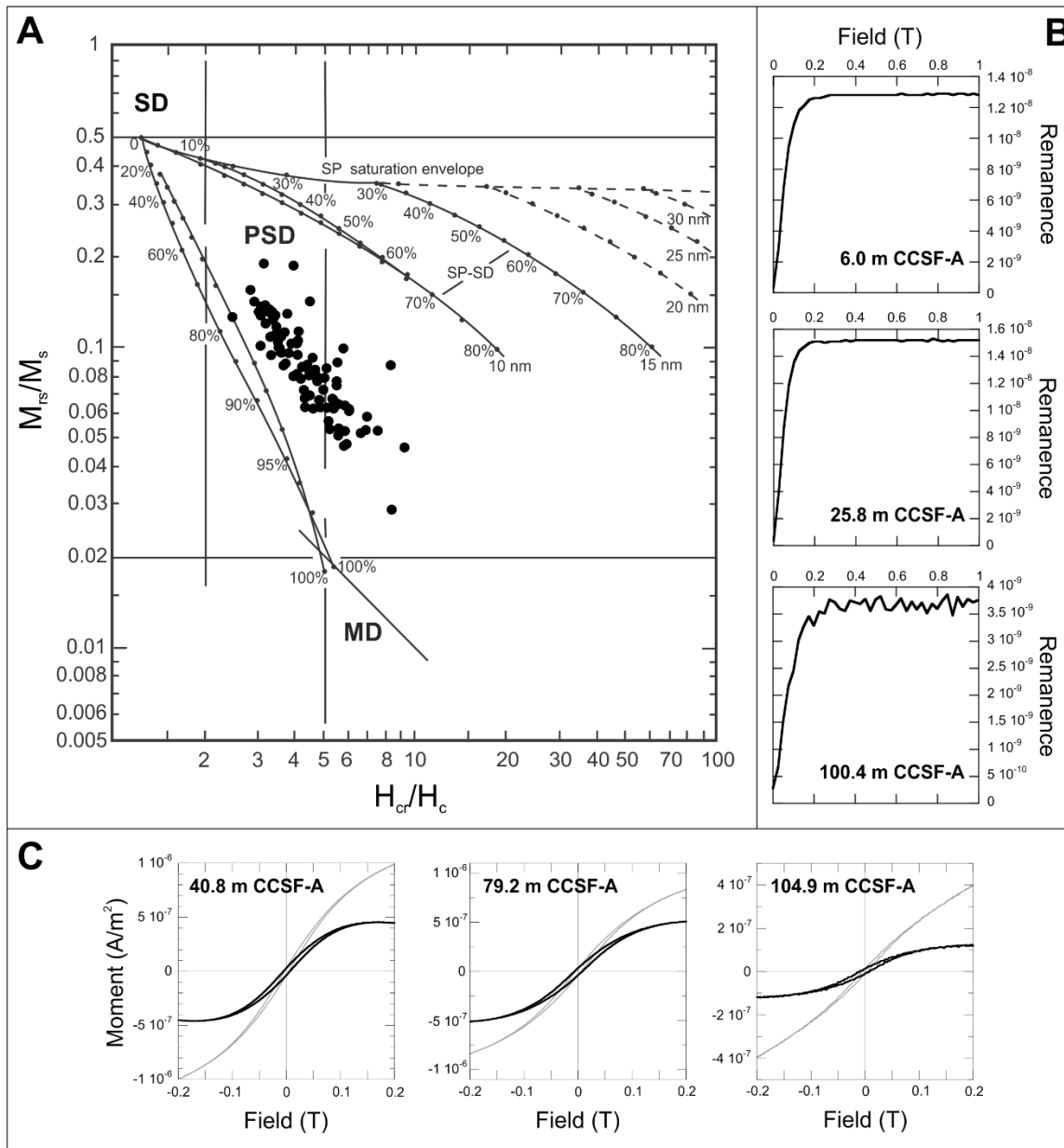
416 Although most of the measured section preserved a reliable paleomagnetic record, intervals
417 of especially low remanence intensity (<0.001 A/m) are observed. Coinciding with intervals of
418 low susceptibility, high coercivity as indicated by the MDF_{ARM} , and laminations (Penkrot et al.,
419 2018; Velle et al., in prep; Fig. 6), these intervals are on occasion also associated with shallow
420 inclinations. Characterized by a reduced influx of lithogenic sediment and increased productivity
421 similar to that observed from the Site Survey core EW0808-85JC during the Bølling-Allerød and
422 earliest Holocene (Davies et al., 2011; Walczak et al., 2017) and at U1419 (Velle et al., in prep),
423 where benthic hypoxia is hypothesized to have driven non-steady state reduction diagenesis that
424 adversely affected the magnetic mineralogy (Walczak et al., 2017). The most prominent of these
425 intervals are associated with large-amplitude variations in magnetic concentration and coercivity

426 from 92.5-111.5 m CCSF-A where shallow/negative inclinations are observed during laminated
427 and stratified sediment intervals (Fig. 6). Sediments between 96 m CCSF-A and the base of the
428 splice at 111.5 m CCSF-A, are therefore excluded from further interpretation. According to the
429 age model (Walczak et al., 2020), this puts the base of the interpreted sequence at approx. 43,200
430 cal yr BP (Fig. 2).

431 Although it is common to use component magnetization to resolve paleomagnetic directions,
432 it is evident from our assessment of MAD values that higher AF demagnetization steps add
433 increased noise rather than helping to resolve a geomagnetic signal. Low-intensity samples (e.g.,
434 Fig. 4D), reach an intensity level after the 30 mT AF demagnetization step where only noise and
435 poorly defined directions are observed. The best-preserved signals are from lower AF
436 demagnetization steps where more of the lower coercivity ferrimagnetic component remains.
437 Walczak et al. (2017) observed similar complexities from the site survey core and we find that the
438 mean inclination after 20 mT AF demagnetization is closer to the expected GAD inclination for
439 the site latitude. Based on this, we use the NRM after 20 mT AF demagnetization alone as our
440 preferred paleomagnetic record from this site. Furthermore, the presence of (titano-)magnetite is
441 indicated by hysteresis loops and IRM acquisition curves (Tauxe et al., 1996; Fig. 7), while the
442 low coercivity implied by the AF demagnetization of the NRM and shown by the MDF_{ARM} in most
443 intervals suggests that (titano-)magnetite is the main remanence carrier. It is therefore our
444 contention that, despite a weak NRM due to a low and variable concentration of (titano-)magnetite,
445 the preserved remanence provides a reliable inclination estimate on millennial timescales. This is
446 further supported by inclination varying around the GAD predictions for the site latitude through
447 the entire record (Fig. 6). We contend that the preservation of paleomagnetic information results
448 from ice-proximal conditions providing a high concentration of fine-grained terrigenous material

449 that buffers the system against diagenetic transformation, while resulting in great sedimentation
450 rates exceeding 1 m /kyr, and at times 8 m/kyr (Walczak et al., 2020; Fig. 2). These sedimentation
451 rates also reduce the impact of sedimentary-driven noise, commonly millimeter to decimeter in
452 scale, on the recording and preservation of paleomagnetic secular variation features that occur on
453 centennial/millennial time scales, and at these sedimentation rates, extend over meters.
454 Declination, however, is more difficult to work with, as these heterogenous sediments can give
455 rise to core barrel rotation. While a zero-mean assumption, commonly used to align cores for
456 declination, is also problematic when the 9.5 m length of a core may be less than a few thousand
457 years. Declination is therefore excluded from further interpretation.

458



459

460 **Figure 7:** Panel A: Day plot (Day et al., 1977) with theoretical mixing lines from Dunlop (2002a,

461 2002b) of all Site U1419 discrete samples. SD = Single domain, PSD = Pseudo-single domain,

462 MD = multi-domain. Panel B: Selected IRM acquisition curves. Panel C: Selected hysteresis loops.

463 The grey line indicates the raw data and black line indicates adjusted data.

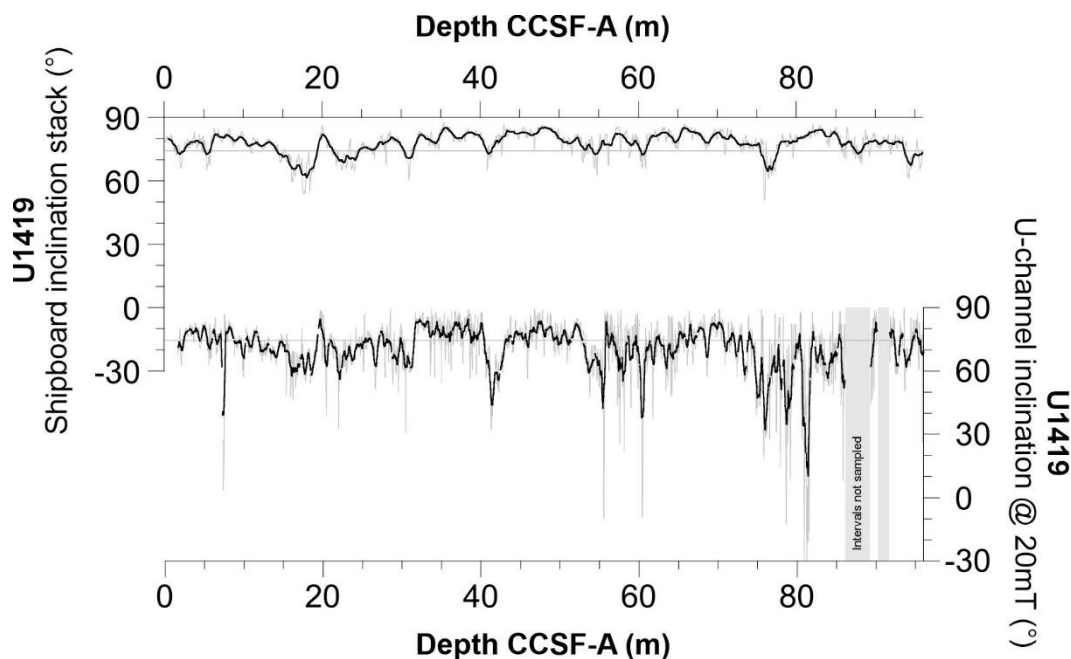
464

465 **Spatial coherence of Northeast Pacific PSV**

466 The fidelity of the U1419 u-channel PSV record can be assessed by comparison to a stack
467 of shipboard data from multiple holes, as this partially controls for sampling and some degree of
468 coring deformation. Additionally, the record is compared to other independently dated regional
469 records. Due to the high sedimentation rates and the sedimentary noise in the U1419 inclination
470 record, a 40-point smoothing was used on intervals with sedimentation rates >80 cm/kyr in order
471 to highlight the overall trend in the inclination record.

472 Although the shipboard data was measured on half core sections that may include
473 deformation around the liner (cf. Acton et al., 2002), the stacking procedure reduces random noise,
474 while reinforcing the common signal. The u-channel data, collected from the pristine central part
475 of what was deemed to be the best section, should preserve the cleanest high-resolution record.
476 Thus, agreement between the shipboard and u-channel data represents an important step in
477 reconstructing the geomagnetic signal. The comparison between the U1419 shipboard and u-
478 channel inclinations in Figure 8 illustrates the general agreement between the two records. Shallow
479 inclinations in the upper 1.3 m of the u-channel record are not observed in the shipboard data
480 reflecting deformation during u-channel sampling from the extremely soft and water-laden
481 uppermost sediments. Additional intervals of shallow inclination below ~ 70 m CCSF-A may also
482 result from u-channel sampling difficulties in sand and/or clasts rich and/or high density lithofacies
483 (Jaeger et al., 2014; Penkrot et al., 2018; Velle et al., in prep). Some intervals (86.08–89.3, 90.2–
484 91.6, and 111.4–112.1 m CCSF-A; Fig. 8) could not be sampled with u-channels due to these
485 issues.

486



487

488 **Figure 8:** Comparison of U1419 shipboard inclination stack (see description in the text) and

489 U1419 u-channel inclination as measured at 20 mT. The expected geocentric axial dipole

490 inclination for the site latitude ($GAD = 73.6^\circ$) is indicated with the grey horizontal line. Note that

491 intervals interpreted as disturbed have been removed, including the lowermost part of the splice

492 (below 96 m CCSF-A).

493

494 The Holocene and deglacial portions of the u-channel U1419 inclination record can be

495 compared to its site survey core EW0408-85JC (Walczak et al., 2017), as well as the Northeast

496 Pacific sedimentary inclination anomaly stack (NEPSIAS; Walczak et al., 2017) including

497 EW0408-85JC as well as lake sediment records from Alaska, Oregon, and Hawaii. Although its

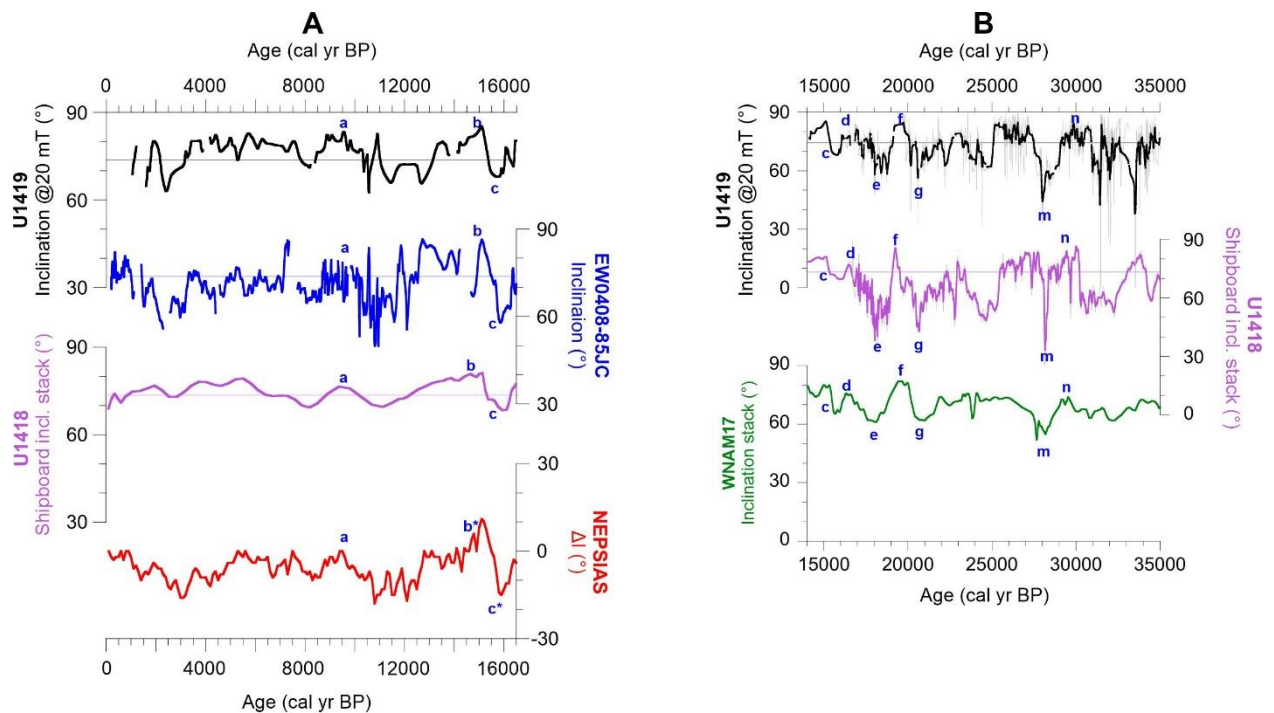
498 late Holocene chronology is of low resolution, the shipboard PSV record of Surveyor Fan Site

499 U1418 is also well-constrained by independent radiocarbon data between 8,000-20,000 cal yr BP.

500 To facilitate discussion, prominent changes in inclination are denoted via letters of the alphabet in

501 Figures 9 and 10. The comparison of the local and regional deglacial-Holocene record shows that
 502 broadly similar inclination features are observed in all records over the last 16,000 cal yr BP. The
 503 transition from shallow to steeper inclinations at 16,000 to 15,000 cal yr BP (*c* to *b* in Fig. 9A) is
 504 observed in both the U1418 and EW0408-85JC records. Distinctions between the records may be
 505 attributed to differences in resolution and chronology, especially for the more distal Site U1418
 506 which only has 3 meters of post-glacial deposits (Fig. 2). Differences between Site U1419 and the
 507 site survey core EW0408-85JC may reflect sampling disturbances as well as subtle difference in
 508 lithology between the site survey and IODP cores, such as varying thickness of the laminated and
 509 sub-laminated intervals (Velle et al., in prep). Although locally biased, the overall similarity noted
 510 in Figure 9 supports the idea that Site U1419 captures regional scale PSV during this time interval.

511



512

513 **Figure 9: A)** Comparison of the U1419 inclination (in black) to U1419 site survey core EW0408-
514 85JC (in blue; Walczak et al., 2017), U1418 shipboard data (in purple), and the NE Pacific
515 sedimentary inclination anomaly stack (NEPSIAS in red; Walczak et al., 2017). Letters are added
516 to facilitate discussion. *At this age, the NEPSIAS stack is based on EW0408-85JC only (cf.
517 Walczak et al., 2017). Note that the upper 1.3 meters of U1419 are removed due to sampling
518 deformation (see text) and that u-channel edges are removed. **B)** Comparison of the Site U1419
519 inclination record (40-point smoothing on intervals with sedimentation rates > 80 cm/kyr) with the
520 Site U1418 shipboard inclination stack (with 5-point smoothing on intervals with sedimentation
521 rates > 100 cm/kyr) and the Western North America inclination stack WNAM17 (relocated to the
522 Gulf of Alaska using a GAD approximation; Reilly, et al., 2018), all on their individual age models.
523 Letters are continued from figures 9 and 10 to facilitate discussion. Note that intervals identified
524 as disturbed and/or deformed in the U1419 record are removed (cf. Fig. 6).

525

526 Further back in time, the only independently dated regional record available for comparison
527 with Site U1419 is the shipboard record of U1418. The deeper water depths (3677 m) of Site
528 U1418 on the upper Surveyor Fan and the lower organic carbon content may have spared this
529 record from the same reductive diagenetic influences as sulfate remains above zero to ~83 m
530 CCSF-A, compared to ~23 m CCSF-A at Site U1419 (Jaeger et al., 2014). Nonetheless, the
531 similarity of the smoothed records (Fig. 10), particularly over the intervals for which the age model
532 of U1418 is well-constrained, is consistent with high-quality Holocene observations suggesting
533 that PSV reflects 1 to 3 kyr long deviations from a GAD (Thompson, 1973). We note that
534 transitions from either steep or shallow inclination are often abrupt followed by lower amplitude
535 centennial to millennial variability. For example, the steep inclination features *f* at ~19,700 cal yr

536 BP and k at ~25,000 cal yr BP are separated by intervals of shallow, low amplitude variability that
537 is reasonably consistent between the two records. Millennial-scale correlation between U1419 and
538 U1418 is less certain prior to 30,000 cal yr BP, likely reflecting a combination of chronological
539 uncertainties and paleomagnetic noise induced in these complex ice-proximal sedimentary
540 environments by drilling/sampling difficulties. Additionally, there is the potential role for
541 progressive diagenetic alteration of the (titano-)magnetite recorder to consider at Site U1419.
542 Nonetheless, the low-frequency variability in the sites remain compelling and support the concept
543 that Site U1419 has captured a largely reliable and well-dated inclination record for the Gulf of
544 Alaska for the last 40 cal kyr BP.

545 Comparison of U1419 inclination between 14,000 and 35,000 cal yr BP with the
546 independently dated Western North America PSV stack (WNAM17; Reilly et al., 2018; Fig. 9B)
547 relocated to the Gulf of Alaska using a GAD approximation provides a larger regional perspective.
548 The WNAM17 stack is based on PSV data from Fish Lake (Utah, US), Bear Lake (Utah/Idaho,
549 US; Heil et al., 2009), and Bessette Creak (British Columbia, Canada; Turner et al., 1982). The
550 overall pattern of the inclination records as well as some individual features (e.g., feature f at
551 ~19,700 cal yr BP) are largely similar (Fig. 9B). Specifically, the gradual transition from shallow
552 to steeper inclinations from g to f and from e to d are recognized in all records. However, there are
553 also distinct differences, especially between 28,000 to 23,000 cal yr BP. Nevertheless, the overall
554 similarity 23,000 to 14,000 cal yr BP implies that much of this variability is driven by large-scale
555 components of the geomagnetic field (Walczak et al., 2017). The data are less conclusive for the
556 early part of the record, and additional study is needed to determine if apparent differences result
557 from inadequate records or true heterogeneity in the geomagnetic field of Western North America
558 and the Northeast Pacific during that time.

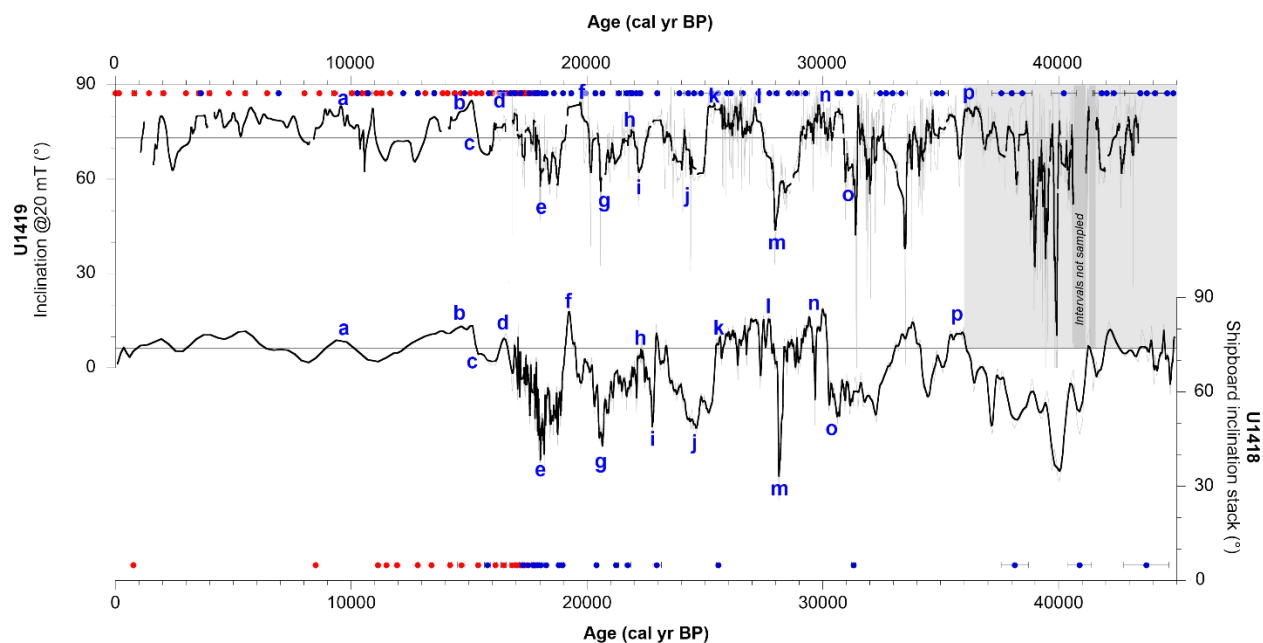
559

560 **Regional inclination variability in the latest Pleistocene**

561 After evaluation of the U1419 inclination record and comparison with independently dated
562 regional records and stacks, the interval between 15,000 and 30,000 cal yr BP stands out as the
563 most robust, resolving a geomagnetic signal that is at least regionally consistent. Among the most
564 prominent features in the U1419 record are abrupt transitions from shallow to steep inclination, *o*
565 to *n*, *m* to *l*, *g* to *f* and from steep to shallow inclinations *k* to *j*, and *f* to *e* (Fig. 10). These are also
566 recognized in the U1418 shipboard record (Fig. 10), and *m* possibly in the WNAM17 stack,
567 although those records are of much lower resolution and, as a result, are less well resolved (Fig.
568 9B). The transition of 22.3° from feature *o* (Fig. 10) at 30,980 cal yr BP (53.6 m CCSF-A) to
569 feature *n* at 52.0 m CCSF-A occurs over ~290 years. The lowest point of feature *m* (43.8°) occurs
570 at 41.4 m CCSF-A at an age of ~28,000 cal yr BP and the recovery to the steeper feature *l* (82-
571 83°) occurs over 1.3 meters, or ~900 years. The abrupt transition from *k* to *j* (Fig.10) occurs at 31.8
572 m CCSF-A, at 25,200 cal yr BP where the inclination drops from 83° to 62° over 70 cm or ~480
573 years. The steep feature *f* is recognized in the Gulf of Alaska records, as well as in the western
574 North America stack (Fig. 9B). In the U1419 record, the steepest inclination values (84.2°) of
575 feature *f* are observed at 19.6 m CCSF-A at 19,700 cal yr BP. The transition to shallow inclinations
576 at *e* occurs over a period of ~950 years (or 1.1 meters CCSF-A) to the shallowest inclination (58.2°)
577 observed at 18.5 m CCSF-A at ~18,750 cal yr BP (Walczak et al., 2020). Features *m*, *k*, and *f* are
578 followed by relatively abrupt transitions in inclination in the U1419 record, with rates of change
579 between 0.03 and 0.07 degrees/year, although we can assume that these rates are a minimum due
580 to sedimentary and u-channel smoothing. These rates are comparable to those found for non-
581 excursions during the late Pleistocene in sediment cores from the western North Atlantic

582 Ocean, of approximately 0.08 degrees/year (Lund et al., 2005), suggesting that the rate of change
 583 of the geomagnetic field in the North Pacific is similar to that observed elsewhere.

584



585

586 **Figure 10:** Comparison of the U1419 inclination record (with 40-point smoothing on intervals
 587 with sedimentation rates > 80 cm/kyr) and Expedition 341 Surveyor Fan Site U1418 shipboard
 588 inclination stack (with 5-point smoothing on intervals with sedimentation rates > 100 cm/kyr).
 589 Both records are plotted on their own individual age models with dates marked in blue and red
 590 circles (cf. Fig. 2). Inclination features are indicated with letters in blue to facilitate discussion;
 591 note that letters are continued from Figure 9. The light grey shade represents intervals where
 592 caution in interpretations is advised, and dark grey shades show intervals that were not sampled
 593 for u-channels (see discussion in the text).

594

595 Excursions are generally defined by anomalous PSV with deviation of virtual geomagnetic
596 pole (VGP) more than 40-45° from the axis of rotation (e.g., Merrill et al., 1998). Two well-
597 established excursions exist within the time interval explored in this study; the Laschamp
598 excursion at ~41 ka, and the less well constrained Mono Lake excursion (34-30 ka; e.g., Lund et
599 al., 2017a, 2017b). Shallow inclinations are observed between 80.4 and 75.6 m CCSF-A (~39,800-
600 39,000 cal yr BP), and at 60.1 m CCSF-A and 55.1 m CCSF-A (~33,100 and ~31,300 cal yr BP,
601 respectively). However, according to the sampling notes, these intervals contain coarser sediments
602 as well as rocks that had to be removed to facilitate u-channel sampling. It is, therefore, more likely
603 that they represent a disturbed sedimentary record. The lack of clear representations of these events
604 at such high-resolution sites remains somewhat of an enigma. Both paleomagnetic data
605 compilations (Panovska et al., 2018) and field models (Korte et al., 2019b) have found the
606 Laschamp excursion to be less pronounced in the Pacific Hemisphere compared to in the Atlantic
607 Hemisphere, possibly related to generally low sedimentation rates (Panovska et al., 2018). This is,
608 however, not the case for Site U1419 where sedimentation rates between 40,000 and 42,000 cal yr
609 BP are approximated to ~400 cm/kyr (Walczak et al., 2020). Regardless, a first of its kind record
610 of PSV is resolved, that should facilitate a better understanding of the geomagnetic dynamics that
611 give rise to excursions and geomagnetic change in general.

612

613 **6. CONCLUSIONS**

614 Despite lithologic complexities due to an ice-proximal location and high productivity induced
615 reductive diagenesis, IODP Site U1419 on the Alaskan slope preserves a well-resolved and -dated
616 inclination record over most of the last ~43,000 years. High sedimentation rates of up to 835

617 cm/kyr prior to ~17,000 cal yr BP allow separation of lithologically induced paleomagnetic noise,
618 commonly decimeter in scale, from millennial scale geomagnetic features that at these
619 sedimentation rates extend over meters. The high flux of fine-grained terrigenous material results
620 in preservation of a ferrimagnetic recorded paleomagnetic signal well below the sulfate/methane
621 transition, at ~15 m CCSF-A. Shipboard PSV data from Site U1419 is consistent with the high-
622 resolution u-channel data, and Holocene results reproduce findings from site survey core EW0408-
623 85JC. Comparison with the independently dated shipboard PSV data stack from IODP Exp. 341
624 Site U1418 on the proximal Surveyor Fan demonstrate reproducibility of the variability observed
625 at Site U1419 in spite of their disparate and complex depositional environments, further
626 confirming preservation of a regionally coherent geomagnetic signal in these sediments. These
627 new data confirm the existence of regionally consistent inclination features through the last 17,000
628 years (Walczak et al., 2017) across the broader northeastern Pacific/western North American
629 region (NEPSIAS, WNAM17), observations that can now be extended back through most of the
630 past 45,000 years. The high-resolution reconstruction of inclination from Site U1419 u-channel
631 data is characterized by abrupt transitions from shallow to steep (or vice versa) with lower
632 amplitude variability in between, that is also recognized in the U1418 shipboard data. Comparisons
633 suggest that at least some of these changes are regional reflections of larger-scale geomagnetic
634 dynamics, but it is too early to determine whether the observed abrupt transitions are only locally
635 apparent. The potential for highly resolved independent chronologies and the high temporal
636 resolution of these Alaskan margin records provide an exceptional target for reconstructions of
637 regional paleomagnetic variability, facilitating a better understanding of the geomagnetic field and
638 offering a new regional correlation tool for this understudied part of the world.

639

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649

650 DATA AVAILABILITY

651 The data underlying this article will be shared on request to the corresponding author.

652

653 REFERENCES

- 654 **Acton, G.D., Okada, M., Clement, B.M., Lund, S.P. & Williams, T., 2002.** Paleomagnetic
655 overprints in ocean sediment cores and their relationship to shear deformation caused
656 by piston coring. *Journal of Geophysical Research*, **107 B4**, doi:
657 10.1029/2001JB000518
- 658 **Banerjee, S.K., King, J. & Marvin, J., 1981.** A rapid method for magnetic granulometry
659 with applications to environmental studies. *Geophysical Research Letters*, **8(4)**, pp.
660 333-336, doi: 10.1029/GL008i004p00333

- 661 **Channell, J.E.T., 1999.** Geomagnetic paleointensity and directional secular variation at Ocean
662 Drilling Program (ODP) Site 984 (Bjorn Drift) since 500 ka: Comparisons with ODP Site
663 983 (Gardar Drift). *Journal of Geophysical Research*, **104 B10**, pp. 22,973-22,951
- 664 **Davies, M.H., Mix, A.C., Stoner, J.S., Addison, J.A., Jaeger, J., Finney, B. & Wiest, J.,**
665 **2011.** The deglacial transition on the southeastern Alaska Margin: Meltwater input,
666 sea level rise, marine productivity, and sedimentary anoxia. *Paleoceanography*, **26**,
667 PA2223, doi: 10.1029/2010PA002051
- 668 **Davies-Walczak, M., Mix, A.C., Stoner, J.S., Southon, J.R., Cheseby, M. & Xuan, C.,**
669 **2014.** Late Glacial to Holocene radiocarbon constraints on North Pacific Intermediate
670 Water ventilation and deglacial atmospheric CO₂ sources. *Earth and Planetary*
671 *Science Letters*, **397**, pp. 57-66, doi: 10.1016/j.epsl.2014.04.004
- 672 **Day, R., Fuller, M. & Schmidt, V.A., 1977.** Hysteresis properties of titanomagnetites: Grain-size
673 and compositional dependence. *Physics of the Earth and Planetary Interiors*, **13**, pp. 260-
674 267, doi: 10.1016/0031-9201(77)90108-X
- 675 **Deschamps, C.E., St-Onge, G., Montero-Serrano, J.C. & Polyak, L., 2017.**
676 Chronostratigraphy and spatial distribution of magnetic sediments in the Chukchi and
677 Beaufort seas since the last deglaciation. *Boreas*, **47 (2)**, pp. 544-564, doi:
678 10.1111/bor.12296
- 679 **Dunlop, D. J., 2002a.** Theory and application of the Day plot (Mrs/Ms versus Hcr/Hc): 1.
680 Theoretical curves and tests using titanomagnetite data, *Journal of Geophysical*
681 *Research*, **107 B3**, 2056, doi:10.1029/2001JB000486.

- 682 **Dunlop, D. J., 2002b.** Theory and application of the Day plot (Mrs/Ms versus Hcr/Hc): 2.
683 Application to data for rocks, sediments, and soils, *Journal of Geophysical Research*,
684 **107 B3**, 2057, doi:10.1029/2001JB000487.
- 685 **Geiss, C.E. & Banerjee, S.K., 2003.** A Holocene-Late Pleistocene geomagnetic inclination
686 record from Grandfather Lake SW Alaska. *Geophysical Journal International*, **153**,
687 pp. 497-507, doi: 10.1046/j.1365-246X.2003.01921.x
- 688 **Fallon, S.J., Fifield, L.K. & Chappell, J.M., 2010.** The next chapter in radiocarbon dating
689 at the Australian National University: Status report on single stage AMS. *Nuclear*
690 *Instruments and Methods in Physics Research Section B: Beam Interactions with*
691 *Materials and Atoms*, **268**, pp. 898-901, doi: 10.1016/j.nimb.2009.10.059
- 692 **Fortin, D., Francus, P., Gebhardt, A.C., Hahn, A., Kliem, P., Lisé-Pronovost, A.,**
693 **Roychowdhury, R., Labrie, J., St-Onge, G. & the PASADO Science Team, 2013.**
694 Destructive and non-destructive density determination: method comparison and
695 evaluation from the Laguna Potrok Aike sedimentary record. *Quaternary Science*
696 *Reviews*, **71**, pp. 147-153, doi: 10.1016/j.quascirev.2012.08.024
- 697 **Guilderson, T.P., Southon, J.R. & Brown, T.A., 2003.** High-precision AMS ¹⁴C results
698 on the TIRI/FIRI turbidite. *Radiocarbon*, **45**, pp. 75-80, doi:
699 10.1017/S0033822200032409
- 700 **Haslett, J. & Parnell, A., 2008.** A simple monotone process with application to radio-
701 carbon-dated depth chronologies. *Journal of the Royal Statistical Society Series C*
702 *Applied Statistics*, **57(4)**, pp. 399-418, doi: 10.1111/j.1467-9876.2008.00623.x

- 703 **Heaton, T. J., Köhler, P., Butzin, M., Bard, E., Reimer, R. W., Austin, W. E. N., Bronk**
704 **Ramsey, C., Grootes, P. M., Hughen, K. A., Kromer, B., Reimer, P. J., Adkins, J.,**
705 **Burke, A., Cook, M. S., Olsen, J. & Skinner, L. C., 2020.** Marine20 - The Marine
706 Radiocarbon Age Calibration Curve (0–55,000 cal BP), *Radiocarbon*, **62(4)**, pp. 779–820,
707 doi: 10.1017/RDC.2020.68
- 708 **Heil, C.W., King, J.W., Rosenbaum, J.G., Reynolds, R.L. & Colman, S.M., 2009.**
709 Paleomagnetism and environmental magnetism of GLAD800 sediment cores from Bear
710 Lake, Utah and Idaho. *Geological Society of America Special Papers*, **450**, pp. 291–310.
711 doi: 10.1130/2009.2450(13)
- 712 **Jaeger, J.M., Gulick, S.P.S., LeVay, L.J., & the Expedition 341 Scientists, 2014.** Proc.
713 IODP, 341, College Station, TX (Integrated Ocean Drilling Program).
- 714 **Khokhlov, A. & Hulot, G., 2016.** Principal component analysis of paleomagnetic directions:
715 converting Maximum Angular Deviation (MAD) into an α_{95} angle. *Geophysical*
716 *Journal International*, **204**, pp. 274-291, doi: 10.1093/gji/ggv451
- 717 **Kirschvink, J.L., 1980.** The least-squares line and plane and the analysis of paleomagnetic
718 data. *Geophysical Journal International*, **62(3)**, pp. 699-718, doi: 10.1111/j.1365-
719 246X.1980.tb02601.x
- 720 **Korte, M., Brown, M.C., Gunnarson, S.R., Nilsson, A., Panovska, S., Wardinski, I. &**
721 **Constable, C.G., 2019a.** Refining Holocene geochronologies using palaeomagnetic
722 records. *Quaternary Geochronology*, **50**, pp. 47-74, doi:
723 10.1016/j.quageo.2018.11.004

- 724 **Korte, M., Brown, M.C., Panovska, S. & Wardinski, I., 2019b.** Robust characteristics of
725 the Laschamp and Mono Lake geomagnetic excursions: Results from global field
726 models. *Frontiers in Earth Science*, **7**, pp. 86, doi: 10.3389/feart.2019.00086
- 727 **Lund, S.P., Schwartz, M., Keigwin, L. & Johnson, T., 2005.** Deep-sea sediment records
728 of the Laschamp geomagnetic field excursion (~41,000 calendar years before
729 present). *Journal of Geophysical Research*, **110**, B04101, doi:
730 10.1029/2003JB002943
- 731 **Lund, S.P., Keigwin, L. & Darby, D., 2016.** Character of Holocene paleomagnetic secular
732 variation in the tangent cylinder: Evidence from the Chukchi Sea. *Physics of the Earth
733 and Planetary Interiors*, **256**, pp. 49-58, doi: 10.1016/j.pepi.2016.03.005
- 734 **Lund, S.P., Benson, L., Negrini, R., Liddicoat, J. & Mensing, S., 2017a.** A full-vector
735 paleomagnetic secular variation record (PSV) from Pyramid Lake (Nevada) from 47-
736 17 ka: Evidence for the successive Mono Lake and Laschamp Excursions. *Earth and
737 Planetary Science Letters*, **458**, pp. 120-129, doi: 10.1016/j.epsl.2016.09.036
- 738 **Lund, S.P., Schwartz, M. & Stott, L., 2017b.** Long-term palaeomagnetic secular variation
739 and excursions from the western Equatorial Pacific Ocean (MIS2-4). *Geophysical
740 Journal International*, **209**, pp. 587-596, doi: 10.1093/gji/ggx029
- 741 **Lund, S.P., Oppo, D. & Curry, W., 2017c.** Late Quaternary paleomagnetic secular variation
742 recorded in deep-sea sediments from the Demerara Rise, equatorial west Atlantic Ocean.
743 *Physics of the Earth and Planetary Interiors*, **272**, pp. 17-26, doi:
744 10.1016/j.pepi.2017.04.010

- 745 **Lund, S.P., 2018.** A new view of long-term geomagnetic field secular variation. *Frontiers*
746 *in Earth Science*, **6(40)**, doi: 10.3389/feart.2018.00040
- 747 **Merrill, R., McElhinny, M. & McFadden, P., 1998.** The Magnetic Field of the Earth,
748 International Geophysics Series, Vol. 63, Academic Press, 531 pp.
- 749 **Oda, H. & Xuan, C., 2014.** Deconvolution of continuous paleomagnetic data from pass-
750 through magnetometer: A new algorithm to restore geomagnetic and environmental
751 information based on realistic optimization. *Geochemistry, Geophysics, Geosystems*,
752 **15**, pp. 3907-3924, doi: 10.1002/2014GC005513.
- 753 **Ólafsdóttir, S., Geirsdóttir, Á., Miller, G.H., Stoner, J.S. & Channell, J.E.T., 2013.**
754 Synchronizing Holocene lacustrine and marine sediment records using paleomagnetic
755 secular variation. *Geology*, **41 (5)**, pp. 535–538, doi: 10.1130/G33946.1
- 756 **Panovska, S., Constable, C.G. & Brown, M.C., 2018.** Global and regional assessment of
757 paleosecular variation activity over the past 100 ka. *Geochemistry, Geophysics,*
758 *Geosystems*, **19**, pp. 1559-1580, doi: 10.1029/2017GC007271
- 759 **Penkrot, M.L., Jaeger, J.M., Cowan, E.A., St-Onge, G. & LeVay, L., 2018.** Multivariate
760 modelling of glacial marine lithostratigraphy combining scanning XRF, multisensory
761 core properties, and CT imagery: IODP Site U1419. *Geosphere*, **14(4)**, pp. 1935- 1960,
762 doi: 10.1130/GES01635.1
- 763 **Praetorius, S.K., Mix, A.C., Walczak, M.H., Wolhowe, M.D., Addison, J.A. & Prahl,**
764 **F.G., 2015.** North Pacific deglacial hypoxic events linked to abrupt ocean warming.
765 *Nature*, 527, pp. 362-366, doi: 10.1038/nature15753

- 766 **Reilly, B.T., Stoner, J.S., Hatfield, R.G., Abbott, M.B., Marchetti, D.W., Larsen, D.J.,**
767 **Finkenbinder, M.S., Hillman, A.L., Kuehn, S.C. & Heil, C.W., 2018.** Regionally
768 consistent western North America paleomagnetic directions from 15 to 35 ka:
769 Assessing chronology and uncertainty with paleosecular variation (PSV) stratigraphy,
770 *Quaternary Science Reviews*, **201**, pp. 186-205, doi:
771 10.1016/j.quascirev.2018.10.016
- 772 **Reimer, P.J., Bard, E., Bayliss, A., Beck, J.W., Blackwell, P.G., Ramsey, C.B., Buck, C.E.,**
773 **Cheng, H., Edwards, R. L., Friedrich, M., Grootes, P.M., Guilderson, T. P.,**
774 **Hafliðason, H., Hajdas, I., Hatté, C., Heaton, T. J., Hoffmann, D.L., Hogg, A.G.,**
775 **Hughen, K.A., Kaiser, K.F., Kromer, B., Manning, S.W., Niu, M., Reimer, R.W.,**
776 **Richards, D.A., Scott, E.M., Southon, J.R., Staff, R.A., Turney, C.S. M. and van der**
777 **Plicht, J., 2013.** IntCal13 and Marine13 Radiocarbon Age Calibration Curves 0–50,000
778 Years cal BP, *Radiocarbon*, **55(4)**, pp. 1869–1887
- 779 **Richter, C., Venuti, A., Verosub, K.L. & Wei, K.Y., 2006.** Variations of the geomagnetic
780 field during the Holocene: Relative paleointensity and inclination record from the West
781 Pacific (ODP Hole 1202B). *Physic of the Earth and Planetary Interiors*, **156**, pp. 179-193,
782 doi: 10.1016/j.pepi.2005.08.006
- 783 **Roberts, A.P., 2015.** Magnetic mineral diagenesis. *Earth-Science Reviews*, **151**, pp. 1-47, doi:
784 10.1016/j.earscirev.2015.09.010
- 785 **Roberts, A.P., Tauxe, L., Heslop, D., Zhao, X. & Jiang, Z., 2018.** A critical appraisal of
786 the «Day» diagram. *Journal of Geophysical Research: Solid Earth*, **123**, pp. 2618-
787 2644, doi: 10.1002/2017JB015247

- 788 **Rowan, C.J., Roberts, A.P. & Broadbent, T., 2009.** Reductive diagenesis, magnetite
789 dissolution, greigite growth and paleomagnetic smoothing in marine sediments: A
790 new view. *Earth and Planetary Science Letters*, **277**, pp. 223-235, doi:
791 10.1016/j.epsl.2008.10.016
- 792 **Stoner, J.S., Channell, J.E.T., Hodell, D.A. & Charles, C.D., 2003.** A ~580 kyr
793 paleomagnetic record from the sub-Antarctic South Atlantic (Ocean Drilling Program
794 Site 1089). *Journal of Geophysical Research*, **108 B5**, 2244, doi:
795 10.1029/2001JB001390
- 796 **Stoner, J.S, Jennings, A., Kristjansdottir, G.B., Dunhill, G., Andrews, J.T. & Hardardottir,**
797 **J., 2007.** A paleomagnetic approach toward refining Holocene radiocarbon-based
798 chronologies: Paleoceanographic records from the north Iceland (MD99-2269) and east
799 Greenland (MD99-2322) margins. *Paleoceanography*, **22**, PA1209,
800 doi:10.1029/2006PA001285
- 801 **Stoner, J.S., Channell, J.E.T., Mazaud, A., Strano, S. & Xuan, C., 2013.** The influence
802 of high-latitude flux lobes in the Holocene paleomagnetic record of IODP Site U1305
803 and the northern North Atlantic. *Geochemistry Geophysics Geosystems*, **14(10)**, pp.
804 4623-4646, doi: 10.1002/ggge.20272
- 805 **Tauxe, L., 1993.** Sedimentary records of relative paleointensity of the geomagnetic field:
806 Theory and practice. *Reviews of Geophysics*, **31(3)**, pp. 319-354, doi:
807 10.1029/93RG01771

- 808 **Tauxe, L., Mullender, T.A.T. & Pick, T., 1996.** Potbellies, wasp-waists, and
809 superparamagnetism in magnetic hysteresis. *Journal of Geophysical Research*, **101**
810 **B1**, pp. 571-583, doi: 10.1029/95JB03041
- 811 **Thompson, R., 1973.** Palaeolimnology and palaeomagnetism. *Nature*, **242**, pp. 182-184, doi:
812 10.1038/242182a0
- 813 **Turner, G.M., Evans, M.E. & Hussin, I.B., 1982.** A geomagnetic secular variation study
814 (31000–19500 bp) in Western Canada. *Geophysical Journal International*, **71**, pp. 159–
815 171. doi: 10.1111/j.1365-246X.1982.tb04990.x
- 816 **Velle, J.H., St-Onge, G., Stoner, J.S., Mix, A.C., Walczak, M., Jaeger, J.M. & Forwick,**
817 **M., in prep.** A late Pleistocene environmental magnetic record of northwestern
818 Cordilleran Ice Sheet dynamics based on IODP Expedition 341 drill Site U1419 in
819 the Gulf of Alaska.
- 820 **Verosub, K.L., Mehringer Jr, P.J. & Waterstraat, P., 1986.** Holocene secular variation in
821 western North America: Paleomagnetic record from Fish Lake, Harney County,
822 Oregon. *Journal of Geophysical Research*, **91 B3**, pp. 3609-3623, doi:
823 10.1029/JB091iB03p03609
- 824 **Walczak, M.H., Mix, A.C., Willse, T., Slagle, A., Stoner, J.S., Jaeger, J., Gulick, S., LeVay,**
825 **L., Kioka, A., and the IODP Expedition 341 Scientific Party, 2015.** Correction of non-
826 intrusive drill core physical properties data for variability in recovered sediment volume.
827 *Geophysical Journal International*, **202**, pp. 1317–1323. doi:10.1093/gji/ggv204

828 **Walczak, M.H., Stoner, J.S., Mix, A.C., Jaeger, J., Rosen, G.P., Channell, J.E.T.,**
829 **Heslop, D. & Xuan, C., 2017.** A 17,000 yr paleomagnetic secular variation record
830 from the southeast Alaskan margin: Regional and global correlations, *Earth and*
831 *Planetary Science Letters*, **473**, pp. 177-189, doi: 10.1016/j.epsl.2017.05.022

832 **Walczak, M.H., Mix, A.C., Cowan, E.A., Fallon, S., Fifield, L.K., Alder, J.R., Du, J., Haley,**
833 **B., Hobern, T., Padman, J., Praetorius, S.K., Schmittner, A., Stoner, J.S. & Zellers,**
834 **S.D., 2020.** Phasing of millennial-scale climate variability in the Pacific and Atlantic
835 Oceans. *Science*, **370**, pp. 716-720, doi: 10.1126/science.aba7096.

836 **Weeks, R.J., Laj, C., Endignoux, L., Fuller, M., Roberts, A., Manganne, R., Blanchard,**
837 **E. & Goree, W., 1993.** Improvements in long-core measurement techniques:
838 applications in palaeomagnetism and palaeoceanography. *Geophysical Journal*
839 *International*, **114**, pp. 651-662, doi: 10.1111/j.1365-246X.1993.tb06994.x

840 **Zijderveld, J.D.A., 1967.** Demagnetisation of rocks: Analysis of results, *In: Collinson, D.*
841 *et al., (eds) Methods in Palaeomagnetism*, pp. 254–286, Elsevier, New York.

842

843 **SUPPLEMENTARY MATERIALS**

844 **Supplementary materials 1:** Conversion from CCSF-A to CCSF-B depths for IODP Exp. 341
845 Site U1419. Note that only spliced intervals are included.

846

847 **Supplementary materials 2:** Radiocarbon dates from IODP Exp. 341 Site U1418 (this study) and
848 EW0408-87JC (Praetorius et al., 2015).

849

850 **Supplementary materials 3:** Conversion from CCSF-A to CCSF-B depths for the radiocarbon-
851 dated samples from IODP Exp. 341 Site U1418.

852

853 **Supplementary materials 4:** Shipboard inclination as measured after the 20 mT AF
854 demagnetization step from five holes at Site U1418 on the CCSF-A depth scale. The lowermost
855 panel shows the finished stack, as described in the text.

**IODP EXP 341 SITE U1419 SPLICE RECORD
DEPTHS CCSF-A TO CCSF-B**

NOTE: Only spliced intervals are included

EXP	SITE	HOLE	CORE	TYPE	SECTION	W/A section	OFFSET (cm)	CCSF-A (m)	CCSF-B (m)
341	U1419	B	1	H	1	A	0	0	0
341	U1419	B	1	H	1	A	1	0.01	0.0085503
341	U1419	B	1	H	1	A	2	0.02	0.0171006
341	U1419	B	1	H	1	A	3	0.03	0.0256509
341	U1419	B	1	H	1	A	4	0.04	0.0342012
341	U1419	B	1	H	1	A	5	0.05	0.0427515
341	U1419	B	1	H	1	A	6	0.06	0.0513018
341	U1419	B	1	H	1	A	7	0.07	0.0598521
341	U1419	B	1	H	1	A	8	0.08	0.0684024
341	U1419	B	1	H	1	A	9	0.09	0.0769527
341	U1419	B	1	H	1	A	10	0.1	0.085503
341	U1419	B	1	H	1	A	11	0.11	0.0940533
341	U1419	B	1	H	1	A	12	0.12	0.1026036
341	U1419	B	1	H	1	A	13	0.13	0.1111539
341	U1419	B	1	H	1	A	14	0.14	0.1197042
341	U1419	B	1	H	1	A	15	0.15	0.1282545
341	U1419	B	1	H	1	A	16	0.16	0.1368048
341	U1419	B	1	H	1	A	17	0.17	0.1453551
341	U1419	B	1	H	1	A	18	0.18	0.1539054
341	U1419	B	1	H	1	A	19	0.19	0.1624557
341	U1419	B	1	H	1	A	20	0.2	0.171006
341	U1419	B	1	H	1	A	21	0.21	0.1795563
341	U1419	B	1	H	1	A	22	0.22	0.1881066
341	U1419	B	1	H	1	A	23	0.23	0.1966569
341	U1419	B	1	H	1	A	24	0.24	0.2052072
341	U1419	B	1	H	1	A	25	0.25	0.2137575
341	U1419	B	1	H	1	A	26	0.26	0.2223078
341	U1419	B	1	H	1	A	27	0.27	0.2308581
341	U1419	B	1	H	1	A	28	0.28	0.2394084
341	U1419	B	1	H	1	A	29	0.29	0.2479587
341	U1419	B	1	H	1	A	30	0.3	0.256509
341	U1419	B	1	H	1	A	31	0.31	0.2650593
341	U1419	B	1	H	1	A	32	0.32	0.2736096
341	U1419	B	1	H	1	A	33	0.33	0.2821599
341	U1419	B	1	H	1	A	34	0.34	0.2907102
341	U1419	B	1	H	1	A	35	0.35	0.2992605
341	U1419	B	1	H	1	A	36	0.36	0.3078108
341	U1419	B	1	H	1	A	37	0.37	0.3163611
341	U1419	B	1	H	1	A	38	0.38	0.3249114

341 U1419 B	1 H	1 A	39	0.39	0.3334617
341 U1419 B	1 H	1 A	40	0.4	0.342012
341 U1419 B	1 H	1 A	41	0.41	0.3505623
341 U1419 B	1 H	1 A	42	0.42	0.3591126
341 U1419 B	1 H	1 A	43	0.43	0.3676629
341 U1419 B	1 H	1 A	44	0.44	0.3762132
341 U1419 B	1 H	1 A	45	0.45	0.3847635
341 U1419 B	1 H	1 A	46	0.46	0.3933138
341 U1419 B	1 H	1 A	47	0.47	0.4018641
341 U1419 B	1 H	1 A	48	0.48	0.4104144
341 U1419 B	1 H	1 A	49	0.49	0.4189647
341 U1419 B	1 H	1 A	50	0.5	0.427515
341 U1419 B	1 H	1 A	51	0.51	0.4360653
341 U1419 B	1 H	1 A	52	0.52	0.4446156
341 U1419 B	1 H	1 A	53	0.53	0.4531659
341 U1419 B	1 H	1 A	54	0.54	0.4617162
341 U1419 B	1 H	1 A	55	0.55	0.4702665
341 U1419 B	1 H	1 A	56	0.56	0.4788168
341 U1419 B	1 H	1 A	57	0.57	0.4873671
341 U1419 B	1 H	1 A	58	0.58	0.4959174
341 U1419 B	1 H	1 A	59	0.59	0.5044677
341 U1419 B	1 H	1 A	60	0.6	0.513018
341 U1419 B	1 H	1 A	61	0.61	0.5215683
341 U1419 B	1 H	1 A	62	0.62	0.5301186
341 U1419 B	1 H	1 A	63	0.63	0.5386689
341 U1419 B	1 H	1 A	64	0.64	0.5472192
341 U1419 B	1 H	1 A	65	0.65	0.5557695
341 U1419 B	1 H	1 A	66	0.66	0.5643198
341 U1419 B	1 H	1 A	67	0.67	0.5728701
341 U1419 B	1 H	1 A	68	0.68	0.5814204
341 U1419 B	1 H	1 A	69	0.69	0.5899707
341 U1419 B	1 H	1 A	70	0.7	0.598521
341 U1419 B	1 H	1 A	71	0.71	0.6070713
341 U1419 B	1 H	1 A	72	0.72	0.6156216
341 U1419 B	1 H	1 A	73	0.73	0.6241719
341 U1419 B	1 H	1 A	74	0.74	0.6327222
341 U1419 B	1 H	1 A	75	0.75	0.6412725
341 U1419 B	1 H	1 A	76	0.76	0.6498228
341 U1419 B	1 H	1 A	77	0.77	0.6583731
341 U1419 B	1 H	1 A	78	0.78	0.6669234
341 U1419 B	1 H	1 A	79	0.79	0.6754737
341 U1419 B	1 H	1 A	80	0.8	0.684024
341 U1419 B	1 H	1 A	81	0.81	0.6925743
341 U1419 B	1 H	1 A	82	0.82	0.7011246
341 U1419 B	1 H	1 A	83	0.83	0.7096749
341 U1419 B	1 H	1 A	84	0.84	0.7182252
341 U1419 B	1 H	1 A	85	0.85	0.7267755

341 U1419 B	1 H	1 A	86	0.86	0.7353258
341 U1419 B	1 H	1 A	87	0.87	0.7438761
341 U1419 B	1 H	1 A	88	0.88	0.7524264
341 U1419 B	1 H	1 A	89	0.89	0.7609767
341 U1419 B	1 H	1 A	90	0.9	0.769527
341 U1419 B	1 H	1 A	91	0.91	0.7780773
341 U1419 B	1 H	1 A	92	0.92	0.7866276
341 U1419 B	1 H	1 A	93	0.93	0.7951779
341 U1419 B	1 H	1 A	94	0.94	0.8037282
341 U1419 B	1 H	1 A	95	0.95	0.8122785
341 U1419 B	1 H	1 A	96	0.96	0.8208288
341 U1419 B	1 H	1 A	97	0.97	0.8293791
341 U1419 B	1 H	1 A	98	0.98	0.8379294
341 U1419 B	1 H	1 A	99	0.99	0.8464797
341 U1419 B	1 H	1 A	100	1	0.85503
341 U1419 B	1 H	1 A	101	1.01	0.8635803
341 U1419 B	1 H	1 A	102	1.02	0.8721306
341 U1419 B	1 H	1 A	103	1.03	0.8806809
341 U1419 B	1 H	1 A	104	1.04	0.8892312
341 U1419 B	1 H	1 A	105	1.05	0.8977815
341 U1419 B	1 H	1 A	106	1.06	0.9063318
341 U1419 B	1 H	1 A	107	1.07	0.9148821
341 U1419 B	1 H	1 A	108	1.08	0.9234324
341 U1419 B	1 H	1 A	109	1.09	0.9319827
341 U1419 B	1 H	1 A	110	1.1	0.940533
341 U1419 B	1 H	1 A	111	1.11	0.9490833
341 U1419 B	1 H	1 A	112	1.12	0.9576336
341 U1419 B	1 H	1 A	113	1.13	0.9661839
341 U1419 B	1 H	1 A	114	1.14	0.9747342
341 U1419 B	1 H	1 A	115	1.15	0.9832845
341 U1419 B	1 H	1 A	116	1.16	0.9918348
341 U1419 B	1 H	1 A	117	1.17	1.0003851
341 U1419 B	1 H	1 A	118	1.18	1.0089354
341 U1419 B	1 H	1 A	119	1.19	1.0174857
341 U1419 B	1 H	1 A	120	1.2	1.026036
341 U1419 B	1 H	1 A	121	1.21	1.0345863
341 U1419 B	1 H	1 A	122	1.22	1.0431366
341 U1419 B	1 H	1 A	123	1.23	1.0516869
341 U1419 B	1 H	1 A	124	1.24	1.0602372
341 U1419 B	1 H	1 A	125	1.25	1.0687875
341 U1419 B	1 H	1 A	126	1.26	1.0773378
341 U1419 B	1 H	1 A	127	1.27	1.0858881
341 U1419 B	1 H	1 A	128	1.28	1.0944384
341 U1419 B	1 H	1 A	129	1.29	1.1029887
341 U1419 B	1 H	1 A	130	1.3	1.111539
341 U1419 B	1 H	1 A	131	1.31	1.1200893
341 U1419 B	1 H	1 A	132	1.32	1.1286396

341 U1419 B	1 H	1 A	133	1.33	1.1371899
341 U1419 B	1 H	1 A	134	1.34	1.1457402
341 U1419 B	1 H	1 A	135	1.35	1.1542905
341 U1419 B	1 H	1 A	136	1.36	1.1628408
341 U1419 B	1 H	1 A	137	1.37	1.1713911
341 U1419 B	1 H	1 A	138	1.38	1.1799414
341 U1419 B	1 H	1 A	139	1.39	1.1884917
341 U1419 B	1 H	1 A	140	1.4	1.197042
341 U1419 B	1 H	1 A	141	1.41	1.2055923
341 U1419 B	1 H	1 A	142	1.42	1.2141426
341 U1419 B	1 H	1 A	143	1.43	1.2226929
341 U1419 B	1 H	1 A	144	1.44	1.2312432
341 U1419 B	1 H	1 A	145	1.45	1.2397935
341 U1419 B	1 H	1 A	146	1.46	1.2483438
341 U1419 B	1 H	1 A	147	1.47	1.2568941
341 U1419 B	1 H	1 A	148	1.48	1.2654444
341 U1419 B	1 H	1 A	149	1.49	1.2739947
341 U1419 B	1 H	1 A	150	1.5	1.282545
341 U1419 B	1 H	2 A	0	1.51	1.2910953
341 U1419 B	1 H	2 A	1	1.52	1.2996456
341 U1419 B	1 H	2 A	2	1.53	1.3081959
341 U1419 B	1 H	2 A	3	1.54	1.3167462
341 U1419 B	1 H	2 A	4	1.55	1.3252965
341 U1419 B	1 H	2 A	5	1.56	1.3338468
341 U1419 B	1 H	2 A	6	1.57	1.3423971
341 U1419 B	1 H	2 A	7	1.58	1.3509474
341 U1419 B	1 H	2 A	8	1.59	1.3594977
341 U1419 B	1 H	2 A	9	1.6	1.368048
341 U1419 B	1 H	2 A	10	1.61	1.3765983
341 U1419 B	1 H	2 A	11	1.62	1.3851486
341 U1419 B	1 H	2 A	12	1.63	1.3936989
341 U1419 B	1 H	2 A	13	1.64	1.4022492
341 U1419 B	1 H	2 A	14	1.65	1.4107995
341 U1419 B	1 H	2 A	15	1.66	1.4193498
341 U1419 B	1 H	2 A	16	1.67	1.4279001
341 U1419 B	1 H	2 A	17	1.68	1.4364504
341 U1419 B	1 H	2 A	18	1.69	1.4450007
341 U1419 B	1 H	2 A	19	1.7	1.453551
341 U1419 B	1 H	2 A	20	1.71	1.4621013
341 U1419 B	1 H	2 A	21	1.72	1.4706516
341 U1419 B	1 H	2 A	22	1.73	1.4792019
341 U1419 B	1 H	2 A	23	1.74	1.4877522
341 U1419 B	1 H	2 A	24	1.75	1.4963025
341 U1419 B	1 H	2 A	25	1.76	1.5048528
341 U1419 B	1 H	2 A	26	1.77	1.5134031
341 U1419 B	1 H	2 A	27	1.78	1.5219534
341 U1419 B	1 H	2 A	28	1.79	1.5305037

341 U1419 B	1 H	2 A	29	1.8	1.539054
341 U1419 B	1 H	2 A	30	1.81	1.5476043
341 U1419 B	1 H	2 A	31	1.82	1.5561546
341 U1419 B	1 H	2 A	32	1.83	1.5647049
341 U1419 B	1 H	2 A	33	1.84	1.5732552
341 U1419 B	1 H	2 A	34	1.85	1.5818055
341 U1419 B	1 H	2 A	35	1.86	1.5903558
341 U1419 B	1 H	2 A	36	1.87	1.5989061
341 U1419 B	1 H	2 A	37	1.88	1.6074564
341 U1419 B	1 H	2 A	38	1.89	1.6160067
341 U1419 B	1 H	2 A	39	1.9	1.624557
341 U1419 B	1 H	2 A	40	1.91	1.6331073
341 U1419 B	1 H	2 A	41	1.92	1.6416576
341 U1419 B	1 H	2 A	42	1.93	1.6502079
341 U1419 B	1 H	2 A	43	1.94	1.6587582
341 U1419 B	1 H	2 A	44	1.95	1.6673085
341 U1419 B	1 H	2 A	45	1.96	1.6758588
341 U1419 B	1 H	2 A	46	1.97	1.6844091
341 U1419 B	1 H	2 A	47	1.98	1.6929594
341 U1419 B	1 H	2 A	48	1.99	1.7015097
341 U1419 B	1 H	2 A	49	2	1.71006
341 U1419 B	1 H	2 A	50	2.01	1.7186103
341 U1419 B	1 H	2 A	51	2.02	1.7271606
341 U1419 B	1 H	2 A	52	2.03	1.7357109
341 U1419 B	1 H	2 A	53	2.04	1.7442612
341 U1419 B	1 H	2 A	54	2.05	1.7528115
341 U1419 B	1 H	2 A	55	2.06	1.7613618
341 U1419 B	1 H	2 A	56	2.07	1.7699121
341 U1419 B	1 H	2 A	57	2.08	1.7784624
341 U1419 B	1 H	2 A	58	2.09	1.7870127
341 U1419 B	1 H	2 A	59	2.1	1.795563
341 U1419 B	1 H	2 A	60	2.11	1.8041133
341 U1419 B	1 H	2 A	61	2.12	1.8126636
341 U1419 B	1 H	2 A	62	2.13	1.8212139
341 U1419 B	1 H	2 A	63	2.14	1.8297642
341 U1419 B	1 H	2 A	64	2.15	1.8383145
341 U1419 B	1 H	2 A	65	2.16	1.8468648
341 U1419 B	1 H	2 A	66	2.17	1.8554151
341 U1419 B	1 H	2 A	67	2.18	1.8639654
341 U1419 B	1 H	2 A	68	2.19	1.8725157
341 U1419 B	1 H	2 A	69	2.2	1.881066
341 U1419 B	1 H	2 A	70	2.21	1.8896163
341 U1419 B	1 H	2 A	71	2.22	1.8981666
341 U1419 B	1 H	2 A	72	2.23	1.9067169
341 U1419 B	1 H	2 A	73	2.24	1.9152672
341 U1419 B	1 H	2 A	74	2.25	1.9238175
341 U1419 B	1 H	2 A	75	2.26	1.9323678

341 U1419 B	1 H	2 A	76	2.27	1.9409181
341 U1419 B	1 H	2 A	77	2.28	1.9494684
341 U1419 B	1 H	2 A	78	2.29	1.9580187
341 U1419 B	1 H	2 A	79	2.3	1.966569
341 U1419 B	1 H	2 A	80	2.31	1.9751193
341 U1419 B	1 H	2 A	81	2.32	1.9836696
341 U1419 B	1 H	2 A	82	2.33	1.9922199
341 U1419 B	1 H	2 A	83	2.34	2.0007702
341 U1419 B	1 H	2 A	84	2.35	2.0093205
341 U1419 B	1 H	2 A	85	2.36	2.0178708
341 U1419 B	1 H	2 A	86	2.37	2.0264211
341 U1419 B	1 H	2 A	87	2.38	2.0349714
341 U1419 B	1 H	2 A	88	2.39	2.0435217
341 U1419 B	1 H	2 A	89	2.4	2.052072
341 U1419 B	1 H	2 A	90	2.41	2.0606223
341 U1419 B	1 H	2 A	91	2.42	2.0691726
341 U1419 B	1 H	2 A	92	2.43	2.0777229
341 U1419 B	1 H	2 A	93	2.44	2.0862732
341 U1419 B	1 H	2 A	94	2.45	2.0948235
341 U1419 B	1 H	2 A	95	2.46	2.1033738
341 U1419 B	1 H	2 A	96	2.47	2.1119241
341 U1419 B	1 H	2 A	97	2.48	2.1204744
341 U1419 B	1 H	2 A	98	2.49	2.1290247
341 U1419 B	1 H	2 A	99	2.5	2.137575
341 U1419 B	1 H	2 A	100	2.51	2.1461253
341 U1419 B	1 H	2 A	101	2.52	2.1546756
341 U1419 B	1 H	2 A	102	2.53	2.1632259
341 U1419 B	1 H	2 A	103	2.54	2.1717762
341 U1419 B	1 H	2 A	104	2.55	2.1803265
341 U1419 B	1 H	2 A	105	2.56	2.1888768
341 U1419 B	1 H	2 A	106	2.57	2.1974271
341 U1419 B	1 H	2 A	107	2.58	2.2059774
341 U1419 B	1 H	2 A	108	2.59	2.2145277
341 U1419 B	1 H	2 A	109	2.6	2.223078
341 U1419 B	1 H	2 A	110	2.61	2.2316283
341 U1419 B	1 H	2 A	111	2.62	2.2401786
341 U1419 B	1 H	2 A	112	2.63	2.2487289
341 U1419 B	1 H	2 A	113	2.64	2.2572792
341 U1419 B	1 H	2 A	114	2.65	2.2658295
341 U1419 B	1 H	2 A	115	2.66	2.2743798
341 U1419 B	1 H	2 A	116	2.67	2.2829301
341 U1419 B	1 H	2 A	117	2.68	2.2914804
341 U1419 B	1 H	2 A	118	2.69	2.3000307
341 U1419 B	1 H	2 A	119	2.7	2.308581
341 U1419 B	1 H	2 A	120	2.71	2.3171313
341 U1419 B	1 H	2 A	121	2.72	2.3256816
341 U1419 B	1 H	2 A	122	2.73	2.3342319

341 U1419 B	1 H	2 A	123	2.74	2.3427822
341 U1419 B	1 H	2 A	124	2.75	2.3513325
341 U1419 B	1 H	2 A	125	2.76	2.3598828
341 U1419 B	1 H	2 A	126	2.77	2.3684331
341 U1419 B	1 H	2 A	127	2.78	2.3769834
341 U1419 B	1 H	2 A	128	2.79	2.3855337
341 U1419 B	1 H	2 A	129	2.8	2.394084
341 U1419 B	1 H	2 A	130	2.81	2.4026343
341 U1419 B	1 H	2 A	131	2.82	2.4111846
341 U1419 B	1 H	2 A	132	2.83	2.4197349
341 U1419 B	1 H	2 A	133	2.84	2.4282852
341 U1419 B	1 H	2 A	134	2.85	2.4368355
341 U1419 B	1 H	2 A	135	2.86	2.4453858
341 U1419 B	1 H	2 A	136	2.87	2.4539361
341 U1419 B	1 H	2 A	137	2.88	2.4624864
341 U1419 B	1 H	2 A	138	2.89	2.4710367
341 U1419 B	1 H	2 A	139	2.9	2.479587
341 U1419 B	1 H	2 A	140	2.91	2.4881373
341 U1419 B	1 H	2 A	141	2.92	2.4966876
341 U1419 B	1 H	2 A	142	2.93	2.5052379
341 U1419 B	1 H	2 A	143	2.94	2.5137882
341 U1419 B	1 H	2 A	144	2.95	2.5223385
341 U1419 B	1 H	2 A	145	2.96	2.5308888
341 U1419 B	1 H	2 A	146	2.97	2.5394391
341 U1419 B	1 H	2 A	147	2.98	2.5479894
341 U1419 B	1 H	2 A	148	2.99	2.5565397
341 U1419 B	1 H	2 A	149	3	2.56509
341 U1419 B	1 H	2 A	150	3.01	2.5736403
341 U1419 B	1 H	3 A	0	3.02	2.5821906
341 U1419 B	1 H	3 A	1	3.03	2.5907409
341 U1419 B	1 H	3 A	2	3.04	2.5992912
341 U1419 B	1 H	3 A	3	3.05	2.6078415
341 U1419 B	1 H	3 A	4	3.06	2.6163918
341 U1419 B	1 H	3 A	5	3.07	2.6249421
341 U1419 B	1 H	3 A	6	3.08	2.6334924
341 U1419 B	1 H	3 A	7	3.09	2.6420427
341 U1419 B	1 H	3 A	8	3.1	2.650593
341 U1419 B	1 H	3 A	9	3.11	2.6591433
341 U1419 B	1 H	3 A	10	3.12	2.6676936
341 U1419 B	1 H	3 A	11	3.13	2.6762439
341 U1419 B	1 H	3 A	12	3.14	2.6847942
341 U1419 B	1 H	3 A	13	3.15	2.6933445
341 U1419 B	1 H	3 A	14	3.16	2.7018948
341 U1419 B	1 H	3 A	15	3.17	2.7104451
341 U1419 B	1 H	3 A	16	3.18	2.7189954
341 U1419 B	1 H	3 A	17	3.19	2.7275457
341 U1419 B	1 H	3 A	18	3.2	2.736096

341 U1419 B	1 H	3 A	19	3.21	2.7446463
341 U1419 B	1 H	3 A	20	3.22	2.7531966
341 U1419 B	1 H	3 A	21	3.23	2.7617469
341 U1419 B	1 H	3 A	22	3.24	2.7702972
341 U1419 B	1 H	3 A	23	3.25	2.7788475
341 U1419 B	1 H	3 A	24	3.26	2.7873978
341 U1419 B	1 H	3 A	25	3.27	2.7959481
341 U1419 B	1 H	3 A	26	3.28	2.8044984
341 U1419 B	1 H	3 A	27	3.29	2.8130487
341 U1419 B	1 H	3 A	28	3.3	2.821599
341 U1419 B	1 H	3 A	29	3.31	2.8301493
341 U1419 B	1 H	3 A	30	3.32	2.8386996
341 U1419 B	1 H	3 A	31	3.33	2.8472499
341 U1419 B	1 H	3 A	32	3.34	2.8558002
341 U1419 B	1 H	3 A	33	3.35	2.8643505
341 U1419 B	1 H	3 A	34	3.36	2.8729008
341 U1419 B	1 H	3 A	35	3.37	2.8814511
341 U1419 B	1 H	3 A	36	3.38	2.8900014
341 U1419 B	1 H	3 A	37	3.39	2.8985517
341 U1419 B	1 H	3 A	38	3.4	2.907102
341 U1419 B	1 H	3 A	39	3.41	2.9156523
341 U1419 B	1 H	3 A	40	3.42	2.9242026
341 U1419 B	1 H	3 A	41	3.43	2.9327529
341 U1419 B	1 H	3 A	42	3.44	2.9413032
341 U1419 B	1 H	3 A	43	3.45	2.9498535
341 U1419 B	1 H	3 A	44	3.46	2.9584038
341 U1419 B	1 H	3 A	45	3.47	2.9669541
341 U1419 B	1 H	3 A	46	3.48	2.9755044
341 U1419 B	1 H	3 A	47	3.49	2.9840547
341 U1419 B	1 H	3 A	48	3.5	2.992605
341 U1419 B	1 H	3 A	49	3.51	3.0011553
341 U1419 B	1 H	3 A	50	3.52	3.0097056
341 U1419 B	1 H	3 A	51	3.53	3.0182559
341 U1419 B	1 H	3 A	52	3.54	3.0268062
341 U1419 B	1 H	3 A	53	3.55	3.0353565
341 U1419 B	1 H	3 A	54	3.56	3.0439068
341 U1419 B	1 H	3 A	55	3.57	3.0524571
341 U1419 B	1 H	3 A	56	3.58	3.0610074
341 U1419 B	1 H	3 A	57	3.59	3.0695577
341 U1419 B	1 H	3 A	58	3.6	3.078108
341 U1419 B	1 H	3 A	59	3.61	3.0866583
341 U1419 B	1 H	3 A	60	3.62	3.0952086
341 U1419 B	1 H	3 A	61	3.63	3.1037589
341 U1419 B	1 H	3 A	62	3.64	3.1123092
341 U1419 B	1 H	3 A	63	3.65	3.1208595
341 U1419 B	1 H	3 A	64	3.66	3.1294098
341 U1419 B	1 H	3 A	65	3.67	3.1379601

341 U1419 B	1 H	3 A	66	3.68	3.1465104
341 U1419 B	1 H	3 A	67	3.69	3.1550607
341 U1419 B	1 H	3 A	68	3.7	3.163611
341 U1419 B	1 H	3 A	69	3.71	3.1721613
341 U1419 B	1 H	3 A	70	3.72	3.1807116
341 U1419 B	1 H	3 A	71	3.73	3.1892619
341 U1419 B	1 H	3 A	72	3.74	3.1978122
341 U1419 B	1 H	3 A	73	3.75	3.2063625
341 U1419 B	1 H	3 A	74	3.76	3.2149128
341 U1419 B	1 H	3 A	75	3.77	3.2234631
341 U1419 B	1 H	3 A	76	3.78	3.2320134
341 U1419 B	1 H	3 A	77	3.79	3.2405637
341 U1419 B	1 H	3 A	78	3.8	3.249114
341 U1419 B	1 H	3 A	79	3.81	3.2576643
341 U1419 B	1 H	3 A	80	3.82	3.2662146
341 U1419 B	1 H	3 A	81	3.83	3.2747649
341 U1419 B	1 H	3 A	82	3.84	3.2833152
341 U1419 B	1 H	3 A	83	3.85	3.2918655
341 U1419 B	1 H	3 A	84	3.86	3.3004158
341 U1419 B	1 H	3 A	85	3.87	3.3089661
341 U1419 B	1 H	3 A	86	3.88	3.3175164
341 U1419 B	1 H	3 A	87	3.89	3.3260667
341 U1419 B	1 H	3 A	88	3.9	3.334617
341 U1419 B	1 H	3 A	89	3.91	3.3431673
341 U1419 B	1 H	3 A	90	3.92	3.3517176
341 U1419 B	1 H	3 A	91	3.93	3.3602679
341 U1419 B	1 H	3 A	92	3.94	3.3688182
341 U1419 B	1 H	3 A	93	3.95	3.3773685
341 U1419 B	1 H	3 A	94	3.96	3.3859188
341 U1419 B	1 H	3 A	95	3.97	3.3944691
341 U1419 B	1 H	3 A	96	3.98	3.4030194
341 U1419 B	1 H	3 A	97	3.99	3.4115697
341 U1419 B	1 H	3 A	98	4	3.42012
341 U1419 B	1 H	3 A	99	4.01	3.4286703
341 U1419 B	1 H	3 A	100	4.02	3.4372206
341 U1419 B	1 H	3 A	101	4.03	3.4457709
341 U1419 B	1 H	3 A	102	4.04	3.4543212
341 U1419 B	1 H	3 A	103	4.05	3.4628715
341 U1419 B	1 H	3 A	104	4.06	3.4714218
341 U1419 B	1 H	3 A	105	4.07	3.4799721
341 U1419 B	1 H	3 A	106	4.08	3.4885224
341 U1419 B	1 H	3 A	107	4.09	3.4970727
341 U1419 B	1 H	3 A	108	4.1	3.505623
341 U1419 B	1 H	3 A	109	4.11	3.5141733
341 U1419 B	1 H	3 A	110	4.12	3.5227236
341 U1419 B	1 H	3 A	111	4.13	3.5312739
341 U1419 B	1 H	3 A	112	4.14	3.5398242

341 U1419 B	1 H	3 A	113	4.15	3.5483745
341 U1419 B	1 H	3 A	114	4.16	3.5569248
341 U1419 B	1 H	3 A	115	4.17	3.5654751
341 U1419 B	1 H	3 A	116	4.18	3.5740254
341 U1419 B	1 H	3 A	117	4.19	3.5825757
341 U1419 B	1 H	3 A	118	4.2	3.591126
341 U1419 B	1 H	3 A	119	4.21	3.5996763
341 U1419 B	1 H	3 A	120	4.22	3.6082266
341 U1419 B	1 H	3 A	121	4.23	3.6167769
341 U1419 B	1 H	3 A	122	4.24	3.6253272
341 U1419 B	1 H	3 A	123	4.25	3.6338775
341 U1419 B	1 H	3 A	124	4.26	3.6424278
341 U1419 B	1 H	3 A	125	4.27	3.6509781
341 U1419 B	1 H	3 A	126	4.28	3.6595284
341 U1419 B	1 H	3 A	127	4.29	3.6680787
341 U1419 B	1 H	3 A	128	4.3	3.676629
341 U1419 B	1 H	3 A	129	4.31	3.6851793
341 U1419 B	1 H	3 A	130	4.32	3.6937296
341 U1419 B	1 H	3 A	131	4.33	3.7022799
341 U1419 B	1 H	3 A	132	4.34	3.7108302
341 U1419 B	1 H	3 A	133	4.35	3.7193805
341 U1419 B	1 H	3 A	134	4.36	3.7279308
341 U1419 B	1 H	3 A	135	4.37	3.7364811
341 U1419 B	1 H	3 A	136	4.38	3.7450314
341 U1419 B	1 H	3 A	137	4.39	3.7535817
341 U1419 B	1 H	3 A	138	4.4	3.762132
341 U1419 B	1 H	3 A	139	4.41	3.7706823
341 U1419 B	1 H	3 A	140	4.42	3.7792326
341 U1419 B	1 H	3 A	141	4.43	3.7877829
341 U1419 B	1 H	3 A	142	4.44	3.7963332
341 U1419 B	1 H	3 A	143	4.45	3.8048835
341 U1419 B	1 H	3 A	144	4.46	3.8134338
341 U1419 B	1 H	3 A	145	4.47	3.8219841
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341 U1419 B	1 H	3 A	147	4.49	3.8390847
341 U1419 B	1 H	3 A	148	4.5	3.847635
341 U1419 B	1 H	3 A	149	4.51	3.8561853
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341 U1419 B	1 H	4 A	0	4.53	3.8732859
341 U1419 B	1 H	4 A	1	4.54	3.8818362
341 U1419 B	1 H	4 A	2	4.55	3.8903865
341 U1419 B	1 H	4 A	3	4.56	3.8989368
341 U1419 B	1 H	4 A	4	4.57	3.9074871
341 U1419 B	1 H	4 A	5	4.58	3.9160374
341 U1419 B	1 H	4 A	6	4.59	3.9245877
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341 U1419 B	1 H	4 A	8	4.61	3.9416883

341 U1419 B	1 H	4 A	9	4.62	3.9502386
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341 U1419 B	1 H	4 A	11	4.64	3.9673392
341 U1419 B	1 H	4 A	12	4.65	3.9758895
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341 U1419 B	1 H	4 A	15	4.68	4.0015404
341 U1419 B	1 H	4 A	16	4.69	4.0100907
341 U1419 B	1 H	4 A	17	4.7	4.018641
341 U1419 B	1 H	4 A	18	4.71	4.0271913
341 U1419 B	1 H	4 A	19	4.72	4.0357416
341 U1419 B	1 H	4 A	20	4.73	4.0442919
341 U1419 B	1 H	4 A	21	4.74	4.0528422
341 U1419 B	1 H	4 A	22	4.75	4.0613925
341 U1419 B	1 H	4 A	23	4.76	4.0699428
341 U1419 B	1 H	4 A	24	4.77	4.0784931
341 U1419 B	1 H	4 A	25	4.78	4.0870434
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341 U1419 B	1 H	4 A	27	4.8	4.104144
341 U1419 B	1 H	4 A	28	4.81	4.1126943
341 U1419 B	1 H	4 A	29	4.82	4.1212446
341 U1419 B	1 H	4 A	30	4.83	4.1297949
341 U1419 B	1 H	4 A	31	4.84	4.1383452
341 U1419 B	1 H	4 A	32	4.85	4.1468955
341 U1419 B	1 H	4 A	33	4.86	4.1554458
341 U1419 B	1 H	4 A	34	4.87	4.1639961
341 U1419 B	1 H	4 A	35	4.88	4.1725464
341 U1419 B	1 H	4 A	36	4.89	4.1810967
341 U1419 B	1 H	4 A	37	4.9	4.189647
341 U1419 B	1 H	4 A	38	4.91	4.1981973
341 U1419 B	1 H	4 A	39	4.92	4.2067476
341 U1419 B	1 H	4 A	40	4.93	4.2152979
341 U1419 B	1 H	4 A	41	4.94	4.2238482
341 U1419 B	1 H	4 A	42	4.95	4.2323985
341 U1419 B	1 H	4 A	43	4.96	4.2409488
341 U1419 B	1 H	4 A	44	4.97	4.2494991
341 U1419 B	1 H	4 A	45	4.98	4.2580494
341 U1419 B	1 H	4 A	46	4.99	4.2665997
341 U1419 B	1 H	4 A	47	5	4.27515
341 U1419 B	1 H	4 A	48	5.01	4.2837003
341 U1419 B	1 H	4 A	49	5.02	4.2922506
341 U1419 B	1 H	4 A	50	5.03	4.3008009
341 U1419 B	1 H	4 A	51	5.04	4.3093512
341 U1419 B	1 H	4 A	52	5.05	4.3179015
341 U1419 B	1 H	4 A	53	5.06	4.3264518
341 U1419 B	1 H	4 A	54	5.07	4.3350021
341 U1419 B	1 H	4 A	55	5.08	4.3435524

341 U1419 B	1 H	4 A	56	5.09	4.3521027
341 U1419 B	1 H	4 A	57	5.1	4.360653
341 U1419 B	1 H	4 A	58	5.11	4.3692033
341 U1419 B	1 H	4 A	59	5.12	4.3777536
341 U1419 B	1 H	4 A	60	5.13	4.3863039
341 U1419 B	1 H	4 A	61	5.14	4.3948542
341 U1419 B	1 H	4 A	62	5.15	4.4034045
341 U1419 B	1 H	4 A	63	5.16	4.4119548
341 U1419 B	1 H	4 A	64	5.17	4.4205051
341 U1419 B	1 H	4 A	65	5.18	4.4290554
341 U1419 B	1 H	4 A	66	5.19	4.4376057
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341 U1419 B	1 H	4 A	68	5.21	4.4547063
341 U1419 B	1 H	4 A	69	5.22	4.4632566
341 U1419 B	1 H	4 A	70	5.23	4.4718069
341 U1419 B	1 H	4 A	71	5.24	4.4803572
341 U1419 B	1 H	4 A	72	5.25	4.4889075
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341 U1419 B	1 H	4 A	76	5.29	4.5231087
341 U1419 B	1 H	4 A	77	5.3	4.531659
341 U1419 B	1 H	4 A	78	5.31	4.5402093
341 U1419 B	1 H	4 A	79	5.32	4.5487596
341 U1419 B	1 H	4 A	80	5.33	4.5573099
341 U1419 B	1 H	4 A	81	5.34	4.5658602
341 U1419 B	1 H	4 A	82	5.35	4.5744105
341 U1419 B	1 H	4 A	83	5.36	4.5829608
341 U1419 B	1 H	4 A	84	5.37	4.5915111
341 U1419 B	1 H	4 A	85	5.38	4.6000614
341 U1419 B	1 H	4 A	86	5.39	4.6086117
341 U1419 B	1 H	4 A	87	5.4	4.617162
341 U1419 B	1 H	4 A	88	5.41	4.6257123
341 U1419 B	1 H	4 A	89	5.42	4.6342626
341 U1419 B	1 H	4 A	90	5.43	4.6428129
341 U1419 B	1 H	4 A	91	5.44	4.6513632
341 U1419 B	1 H	4 A	92	5.45	4.6599135
341 U1419 B	1 H	4 A	93	5.46	4.6684638
341 U1419 B	1 H	4 A	94	5.47	4.6770141
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341 U1419 B	1 H	4 A	96	5.49	4.6941147
341 U1419 B	1 H	4 A	97	5.5	4.702665
341 U1419 B	1 H	4 A	98	5.51	4.7112153
341 U1419 B	1 H	4 A	99	5.52	4.7197656
341 U1419 B	1 H	4 A	100	5.53	4.7283159
341 U1419 B	1 H	4 A	101	5.54	4.7368662
341 U1419 B	1 H	4 A	102	5.55	4.7454165

341 U1419 B	1 H	4 A	103	5.56	4.7539668
341 U1419 B	1 H	4 A	104	5.57	4.7625171
341 U1419 B	1 H	4 A	105	5.58	4.7710674
341 U1419 B	1 H	4 A	106	5.59	4.7796177
341 U1419 B	1 H	4 A	107	5.6	4.788168
341 U1419 B	1 H	4 A	108	5.61	4.7967183
341 U1419 B	1 H	4 A	109	5.62	4.8052686
341 U1419 B	1 H	4 A	110	5.63	4.8138189
341 U1419 B	1 H	4 A	111	5.64	4.8223692
341 U1419 B	1 H	4 A	112	5.65	4.8309195
341 U1419 B	1 H	4 A	113	5.66	4.8394698
341 U1419 B	1 H	4 A	114	5.67	4.8480201
341 U1419 B	1 H	4 A	115	5.68	4.8565704
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341 U1419 B	1 H	4 A	119	5.72	4.8907716
341 U1419 B	1 H	4 A	120	5.73	4.8993219
341 U1419 B	1 H	4 A	121	5.74	4.9078722
341 U1419 B	1 H	4 A	122	5.75	4.9164225
341 U1419 B	1 H	4 A	123	5.76	4.9249728
341 U1419 B	1 H	4 A	124	5.77	4.9335231
341 U1419 B	1 H	4 A	125	5.78	4.9420734
341 U1419 B	1 H	4 A	126	5.79	4.9506237
341 U1419 B	1 H	4 A	127	5.8	4.959174
341 U1419 B	1 H	4 A	128	5.81	4.9677243
341 U1419 B	1 H	4 A	129	5.82	4.9762746
341 U1419 B	1 H	4 A	130	5.83	4.9848249
341 U1419 B	1 H	4 A	131	5.84	4.9933752
341 U1419 B	1 H	4 A	132	5.85	5.0019255
341 U1419 B	1 H	4 A	133	5.86	5.0104758
341 U1419 B	1 H	4 A	134	5.87	5.0190261
341 U1419 B	1 H	4 A	135	5.88	5.0275764
341 U1419 B	1 H	4 A	136	5.89	5.0361267
341 U1419 B	1 H	4 A	137	5.9	5.044677
341 U1419 B	1 H	4 A	138	5.91	5.0532273
341 U1419 B	1 H	4 A	139	5.92	5.0617776
341 U1419 B	1 H	4 A	140	5.93	5.0703279
341 U1419 B	1 H	4 A	141	5.94	5.0788782
341 U1419 B	1 H	4 A	142	5.95	5.0874285
341 U1419 B	1 H	4 A	143	5.96	5.0959788
341 U1419 B	1 H	4 A	144	5.97	5.1045291
341 U1419 B	1 H	4 A	145	5.98	5.1130794
341 U1419 B	1 H	4 A	146	5.99	5.1216297
341 U1419 B	1 H	4 A	147	6	5.13018
341 U1419 B	1 H	4 A	148	6.01	5.1387303
341 U1419 B	1 H	4 A	149	6.02	5.1472806

341 U1419 B	1 H	4 A	150	6.03	5.1558309
341 U1419 B	1 H	5 A	0	6.04	5.1643812
341 U1419 B	1 H	5 A	1	6.05	5.1729315
341 U1419 B	1 H	5 A	2	6.06	5.1814818
341 U1419 B	1 H	5 A	3	6.07	5.1900321
341 U1419 B	1 H	5 A	4	6.08	5.1985824
341 U1419 B	1 H	5 A	5	6.09	5.2071327
341 U1419 B	1 H	5 A	6	6.1	5.215683
341 U1419 B	1 H	5 A	7	6.11	5.2242333
341 U1419 B	1 H	5 A	8	6.12	5.2327836
341 U1419 B	1 H	5 A	9	6.13	5.2413339
341 U1419 B	1 H	5 A	10	6.14	5.2498842
341 U1419 B	1 H	5 A	11	6.15	5.2584345
341 U1419 B	1 H	5 A	12	6.16	5.2669848
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341 U1419 B	1 H	5 A	14	6.18	5.2840854
341 U1419 B	1 H	5 A	15	6.19	5.2926357
341 U1419 B	1 H	5 A	16	6.2	5.301186
341 U1419 B	1 H	5 A	17	6.21	5.3097363
341 U1419 B	1 H	5 A	18	6.22	5.3182866
341 U1419 B	1 H	5 A	19	6.23	5.3268369
341 U1419 B	1 H	5 A	20	6.24	5.3353872
341 U1419 B	1 H	5 A	21	6.25	5.3439375
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341 U1419 B	1 H	5 A	28	6.32	5.4037896
341 U1419 B	1 H	5 A	29	6.33	5.4123399
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341 U1419 B	1 H	5 A	32	6.36	5.4379908
341 U1419 B	1 H	5 A	33	6.37	5.4465411
341 U1419 B	1 H	5 A	34	6.38	5.4550914
341 U1419 B	1 H	5 A	35	6.39	5.4636417
341 U1419 B	1 H	5 A	36	6.4	5.472192
341 U1419 B	1 H	5 A	37	6.41	5.4807423
341 U1419 B	1 H	5 A	38	6.42	5.4892926
341 U1419 B	1 H	5 A	39	6.43	5.4978429
341 U1419 B	1 H	5 A	40	6.44	5.5063932
341 U1419 B	1 H	5 A	41	6.45	5.5149435
341 U1419 B	1 H	5 A	42	6.46	5.5234938
341 U1419 B	1 H	5 A	43	6.47	5.5320441
341 U1419 B	1 H	5 A	44	6.48	5.5405944
341 U1419 B	1 H	5 A	45	6.49	5.5491447

341 U1419 B	1 H	5 A	46	6.5	5.557695
341 U1419 B	1 H	5 A	47	6.51	5.5662453
341 U1419 B	1 H	5 A	48	6.52	5.5747956
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341 U1419 B	1 H	5 A	50	6.54	5.5918962
341 U1419 B	1 H	5 A	51	6.55	5.6004465
341 U1419 B	1 H	5 A	52	6.56	5.6089968
341 U1419 B	1 H	5 A	53	6.57	5.6175471
341 U1419 B	1 H	5 A	54	6.58	5.6260974
341 U1419 B	1 H	5 A	55	6.59	5.6346477
341 U1419 B	1 H	5 A	56	6.6	5.643198
341 U1419 B	1 H	5 A	57	6.61	5.6517483
341 U1419 B	1 H	5 A	58	6.62	5.6602986
341 U1419 B	1 H	5 A	59	6.63	5.6688489
341 U1419 B	1 H	5 A	60	6.64	5.6773992
341 U1419 B	1 H	5 A	61	6.65	5.6859495
341 U1419 B	1 H	5 A	62	6.66	5.6944998
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341 U1419 B	1 H	5 A	64	6.68	5.7116004
341 U1419 B	1 H	5 A	65	6.69	5.7201507
341 U1419 B	1 H	5 A	66	6.7	5.728701
341 U1419 B	1 H	5 A	67	6.71	5.7372513
341 U1419 B	1 H	5 A	68	6.72	5.7458016
341 U1419 B	1 H	5 A	69	6.73	5.7543519
341 U1419 B	1 H	5 A	70	6.74	5.7629022
341 U1419 B	1 H	5 A	71	6.75	5.7714525
341 U1419 B	1 H	5 A	72	6.76	5.7800028
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341 U1419 B	1 H	5 A	74	6.78	5.7971034
341 U1419 B	1 H	5 A	75	6.79	5.8056537
341 U1419 B	1 H	5 A	76	6.8	5.814204
341 U1419 B	1 H	5 A	77	6.81	5.8227543
341 U1419 B	1 H	5 A	78	6.82	5.8313046
341 U1419 B	1 H	5 A	79	6.83	5.8398549
341 U1419 B	1 H	5 A	80	6.84	5.8484052
341 U1419 B	1 H	5 A	81	6.85	5.8569555
341 U1419 B	1 H	5 A	82	6.86	5.8655058
341 U1419 B	1 H	5 A	83	6.87	5.8740561
341 U1419 B	1 H	5 A	84	6.88	5.8826064
341 U1419 B	1 H	5 A	85	6.89	5.8911567
341 U1419 B	1 H	5 A	86	6.9	5.899707
341 U1419 B	1 H	5 A	87	6.91	5.9082573
341 U1419 B	1 H	5 A	88	6.92	5.9168076
341 U1419 B	1 H	5 A	89	6.93	5.9253579
341 U1419 B	1 H	5 A	90	6.94	5.9339082
341 U1419 B	1 H	5 A	91	6.95	5.9424585
341 U1419 B	1 H	5 A	92	6.96	5.9510088

341 U1419 B	1 H	5 A	93	6.97	5.9595591
341 U1419 B	1 H	5 A	94	6.98	5.9681094
341 U1419 B	1 H	5 A	95	6.99	5.9766597
341 U1419 B	1 H	5 A	96	7	5.98521
341 U1419 B	1 H	5 A	97	7.01	5.9937603
341 U1419 B	1 H	5 A	98	7.02	6.0023106
341 U1419 B	1 H	5 A	99	7.03	6.0108609
341 U1419 B	1 H	5 A	100	7.04	6.0194112
341 U1419 B	1 H	5 A	101	7.05	6.0279615
341 U1419 B	1 H	5 A	102	7.06	6.0365118
341 U1419 B	1 H	5 A	103	7.07	6.0450621
341 U1419 B	1 H	5 A	104	7.08	6.0536124
341 U1419 B	1 H	5 A	105	7.09	6.0621627
341 U1419 B	1 H	5 A	106	7.1	6.070713
341 U1419 B	1 H	5 A	107	7.11	6.0792633
341 U1419 B	1 H	5 A	108	7.12	6.0878136
341 U1419 B	1 H	5 A	109	7.13	6.0963639
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341 U1419 B	1 H	5 A	111	7.15	6.1134645
341 U1419 B	1 H	5 A	112	7.16	6.1220148
341 U1419 B	1 H	5 A	113	7.17	6.1305651
341 U1419 B	1 H	5 A	114	7.18	6.1391154
341 U1419 B	1 H	5 A	115	7.19	6.1476657
341 U1419 B	1 H	5 A	116	7.2	6.156216
341 U1419 B	1 H	5 A	117	7.21	6.1647663
341 U1419 D	2 H	1 A	144	7.18	6.1391154
341 U1419 D	2 H	1 A	145	7.19	6.1476657
341 U1419 D	2 H	1 A	146	7.2	6.156216
341 U1419 D	2 H	1 A	147	7.21	6.1647663
341 U1419 D	2 H	1 A	148	7.22	6.1733166
341 U1419 D	2 H	1 A	149	7.23	6.1818669
341 U1419 D	2 H	1 A	150	7.24	6.1904172
341 U1419 D	2 H	2 A	0	7.24	6.1904172
341 U1419 D	2 H	2 A	1	7.25	6.1989675
341 U1419 D	2 H	2 A	2	7.26	6.2075178
341 U1419 D	2 H	2 A	3	7.27	6.2160681
341 U1419 D	2 H	2 A	4	7.28	6.2246184
341 U1419 D	2 H	2 A	5	7.29	6.2331687
341 U1419 D	2 H	2 A	6	7.3	6.241719
341 U1419 D	2 H	2 A	7	7.31	6.2502693
341 U1419 D	2 H	2 A	8	7.32	6.2588196
341 U1419 D	2 H	2 A	9	7.33	6.2673699
341 U1419 D	2 H	2 A	10	7.34	6.2759202
341 U1419 D	2 H	2 A	11	7.35	6.2844705
341 U1419 D	2 H	2 A	12	7.36	6.2930208
341 U1419 D	2 H	2 A	13	7.37	6.3015711

341 U1419 D	2 H	2 A	14	7.38	6.3101214
341 U1419 D	2 H	2 A	15	7.39	6.3186717
341 U1419 D	2 H	2 A	16	7.4	6.327222
341 U1419 D	2 H	2 A	17	7.41	6.3357723
341 U1419 D	2 H	2 A	18	7.42	6.3443226
341 U1419 D	2 H	2 A	19	7.43	6.3528729
341 U1419 D	2 H	2 A	20	7.44	6.3614232
341 U1419 D	2 H	2 A	21	7.45	6.3699735
341 U1419 D	2 H	2 A	22	7.46	6.3785238
341 U1419 D	2 H	2 A	23	7.47	6.3870741
341 U1419 D	2 H	2 A	24	7.48	6.3956244
341 U1419 D	2 H	2 A	25	7.49	6.4041747
341 U1419 D	2 H	2 A	26	7.5	6.412725
341 U1419 D	2 H	2 A	27	7.51	6.4212753
341 U1419 D	2 H	2 A	28	7.52	6.4298256
341 U1419 D	2 H	2 A	29	7.53	6.4383759
341 U1419 D	2 H	2 A	30	7.54	6.4469262
341 U1419 D	2 H	2 A	31	7.55	6.4554765
341 U1419 D	2 H	2 A	32	7.56	6.4640268
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341 U1419 D	2 H	2 A	34	7.58	6.4811274
341 U1419 D	2 H	2 A	35	7.59	6.4896777
341 U1419 D	2 H	2 A	36	7.6	6.498228
341 U1419 D	2 H	2 A	37	7.61	6.5067783
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341 U1419 D	2 H	2 A	39	7.63	6.5238789
341 U1419 D	2 H	2 A	40	7.64	6.5324292
341 U1419 D	2 H	2 A	41	7.65	6.5409795
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341 U1419 D	2 H	2 A	43	7.67	6.5580801
341 U1419 D	2 H	2 A	44	7.68	6.5666304
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341 U1419 D	2 H	2 A	46	7.7	6.583731
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341 U1419 D	2 H	2 A	48	7.72	6.6008316
341 U1419 D	2 H	2 A	49	7.73	6.6093819
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341 U1419 D	2 H	2 A	51	7.75	6.6264825
341 U1419 D	2 H	2 A	52	7.76	6.6350328
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341 U1419 D	2 H	2 A	54	7.78	6.6521334
341 U1419 D	2 H	2 A	55	7.79	6.6606837
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341 U1419 D	2 H	2 A	61	7.85	6.7119855
341 U1419 D	2 H	2 A	62	7.86	6.7205358
341 U1419 D	2 H	2 A	63	7.87	6.7290861
341 U1419 D	2 H	2 A	64	7.88	6.7376364
341 U1419 D	2 H	2 A	65	7.89	6.7461867
341 U1419 D	2 H	2 A	66	7.9	6.754737
341 U1419 D	2 H	2 A	67	7.91	6.7632873
341 U1419 D	2 H	2 A	68	7.92	6.7718376
341 U1419 D	2 H	2 A	69	7.93	6.7803879
341 U1419 D	2 H	2 A	70	7.94	6.7889382
341 U1419 D	2 H	2 A	71	7.95	6.7974885
341 U1419 D	2 H	2 A	72	7.96	6.8060388
341 U1419 D	2 H	2 A	73	7.97	6.8145891
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341 U1419 D	2 H	2 A	75	7.99	6.8316897
341 U1419 D	2 H	2 A	76	8	6.84024
341 U1419 D	2 H	2 A	77	8.01	6.8487903
341 U1419 D	2 H	2 A	78	8.02	6.8573406
341 U1419 D	2 H	2 A	79	8.03	6.8658909
341 U1419 D	2 H	2 A	80	8.04	6.8744412
341 U1419 D	2 H	2 A	81	8.05	6.8829915
341 U1419 D	2 H	2 A	82	8.06	6.8915418
341 U1419 D	2 H	2 A	83	8.07	6.9000921
341 U1419 D	2 H	2 A	84	8.08	6.9086424
341 U1419 D	2 H	2 A	85	8.09	6.9171927
341 U1419 D	2 H	2 A	86	8.1	6.925743
341 U1419 D	2 H	2 A	87	8.11	6.9342933
341 U1419 D	2 H	2 A	88	8.12	6.9428436
341 U1419 D	2 H	2 A	89	8.13	6.9513939
341 U1419 D	2 H	2 A	90	8.14	6.9599442
341 U1419 D	2 H	2 A	91	8.15	6.9684945
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341 U1419 D	2 H	2 A	93	8.17	6.9855951
341 U1419 D	2 H	2 A	94	8.18	6.9941454
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341 U1419 D	2 H	2 A	96	8.2	7.011246
341 U1419 D	2 H	2 A	97	8.21	7.0197963
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341 U1419 D	2 H	2 A	102	8.26	7.0625478
341 U1419 D	2 H	2 A	103	8.27	7.0710981
341 U1419 D	2 H	2 A	104	8.28	7.0796484
341 U1419 D	2 H	2 A	105	8.29	7.0881987
341 U1419 D	2 H	2 A	106	8.3	7.096749
341 U1419 D	2 H	2 A	107	8.31	7.1052993

341 U1419 D	2 H	2 A	108	8.32	7.1138496
341 U1419 D	2 H	2 A	109	8.33	7.1223999
341 U1419 D	2 H	2 A	110	8.34	7.1309502
341 U1419 D	2 H	2 A	111	8.35	7.1395005
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341 U1419 D	2 H	2 A	113	8.37	7.1566011
341 U1419 D	2 H	2 A	114	8.38	7.1651514
341 U1419 D	2 H	2 A	115	8.39	7.1737017
341 U1419 D	2 H	2 A	116	8.4	7.182252
341 U1419 D	2 H	2 A	117	8.41	7.1908023
341 U1419 D	2 H	2 A	118	8.42	7.1993526
341 U1419 D	2 H	2 A	119	8.43	7.2079029
341 U1419 D	2 H	2 A	120	8.44	7.2164532
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341 U1419 D	2 H	2 A	124	8.48	7.2506544
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341 U1419 D	2 H	2 A	126	8.5	7.267755
341 U1419 D	2 H	2 A	127	8.51	7.2763053
341 U1419 D	2 H	2 A	128	8.52	7.2848556
341 U1419 D	2 H	2 A	129	8.53	7.2934059
341 U1419 D	2 H	2 A	130	8.54	7.3019562
341 U1419 D	2 H	2 A	131	8.55	7.3105065
341 U1419 D	2 H	2 A	132	8.56	7.3190568
341 U1419 D	2 H	2 A	133	8.57	7.3276071
341 U1419 D	2 H	2 A	134	8.58	7.3361574
341 U1419 D	2 H	2 A	135	8.59	7.3447077
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341 U1419 D	2 H	2 A	137	8.61	7.3618083
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341 U1419 D	2 H	2 A	140	8.64	7.3874592
341 U1419 D	2 H	2 A	141	8.65	7.3960095
341 U1419 D	2 H	2 A	142	8.66	7.4045598
341 U1419 D	2 H	2 A	143	8.67	7.4131101
341 U1419 D	2 H	2 A	144	8.68	7.4216604
341 U1419 D	2 H	2 A	145	8.69	7.4302107
341 U1419 D	2 H	2 A	146	8.7	7.438761
341 U1419 D	2 H	2 A	147	8.71	7.4473113
341 U1419 D	2 H	3 A	0	8.72	7.4558616
341 U1419 D	2 H	3 A	1	8.73	7.4644119
341 U1419 D	2 H	3 A	2	8.74	7.4729622
341 U1419 D	2 H	3 A	3	8.75	7.4815125
341 U1419 D	2 H	3 A	4	8.76	7.4900628
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341 U1419 D	2 H	3 A	7	8.79	7.5157137
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341 U1419 D	2 H	3 A	15	8.87	7.5841161
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341 U1419 D	2 H	3 A	18	8.9	7.609767
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341 U1419 D	2 H	3 A	27	8.99	7.6867197
341 U1419 D	2 H	3 A	28	9	7.69527
341 U1419 D	2 H	3 A	29	9.01	7.7038203
341 U1419 D	2 H	3 A	30	9.02	7.7123706
341 U1419 D	2 H	3 A	31	9.03	7.7209209
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341 U1419 D	2 H	3 A	33	9.05	7.7380215
341 U1419 D	2 H	3 A	34	9.06	7.7465718
341 U1419 D	2 H	3 A	35	9.07	7.7551221
341 U1419 D	2 H	3 A	36	9.08	7.7636724
341 U1419 D	2 H	3 A	37	9.09	7.7722227
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341 U1419 D	2 H	3 A	39	9.11	7.7893233
341 U1419 D	2 H	3 A	40	9.12	7.7978736
341 U1419 D	2 H	3 A	41	9.13	7.8064239
341 U1419 D	2 H	3 A	42	9.14	7.8149742
341 U1419 D	2 H	3 A	43	9.15	7.8235245
341 U1419 D	2 H	3 A	44	9.16	7.8320748
341 U1419 D	2 H	3 A	45	9.17	7.8406251
341 U1419 D	2 H	3 A	46	9.18	7.8491754
341 U1419 D	2 H	3 A	47	9.19	7.8577257
341 U1419 D	2 H	3 A	48	9.2	7.866276
341 U1419 D	2 H	3 A	49	9.21	7.8748263
341 U1419 D	2 H	3 A	50	9.22	7.8833766
341 U1419 D	2 H	3 A	51	9.23	7.8919269
341 U1419 D	2 H	3 A	52	9.24	7.9004772
341 U1419 D	2 H	3 A	53	9.25	7.9090275

341 U1419 D	2 H	3 A	54	9.26	7.9175778
341 U1419 D	2 H	3 A	55	9.27	7.9261281
341 U1419 D	2 H	3 A	56	9.28	7.9346784
341 U1419 D	2 H	3 A	57	9.29	7.9432287
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341 U1419 D	2 H	3 A	59	9.31	7.9603293
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341 U1419 D	2 H	3 A	61	9.33	7.9774299
341 U1419 D	2 H	3 A	62	9.34	7.9859802
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341 U1419 D	2 H	3 A	64	9.36	8.0030808
341 U1419 D	2 H	3 A	65	9.37	8.0116311
341 U1419 D	2 H	3 A	66	9.38	8.0201814
341 U1419 D	2 H	3 A	67	9.39	8.0287317
341 U1419 D	2 H	3 A	68	9.4	8.037282
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341 U1419 D	2 H	3 A	71	9.43	8.0629329
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341 U1419 D	2 H	3 A	73	9.45	8.0800335
341 U1419 D	2 H	3 A	74	9.46	8.0885838
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341 U1419 D	2 H	3 A	77	9.49	8.1142347
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341 U1419 D	2 H	3 A	79	9.51	8.1313353
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341 U1419 D	2 H	3 A	100	9.72	8.3108916

341 U1419 D	2 H	3 A	101	9.73	8.3194419
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341 U1419 D	2 H	3 A	103	9.75	8.3365425
341 U1419 D	2 H	3 A	104	9.76	8.3450928
341 U1419 D	2 H	3 A	105	9.77	8.3536431
341 U1419 D	2 H	3 A	106	9.78	8.3621934
341 U1419 D	2 H	3 A	107	9.79	8.3707437
341 U1419 D	2 H	3 A	108	9.8	8.379294
341 U1419 D	2 H	3 A	109	9.81	8.3878443
341 U1419 D	2 H	3 A	110	9.82	8.3963946
341 U1419 D	2 H	3 A	111	9.83	8.4049449
341 U1419 D	2 H	3 A	112	9.84	8.4134952
341 U1419 D	2 H	3 A	113	9.85	8.4220455
341 U1419 D	2 H	3 A	114	9.86	8.4305958
341 U1419 D	2 H	3 A	115	9.87	8.4391461
341 U1419 D	2 H	3 A	116	9.88	8.4476964
341 U1419 D	2 H	3 A	117	9.89	8.4562467
341 U1419 D	2 H	3 A	118	9.9	8.464797
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341 U1419 D	2 H	3 A	120	9.92	8.4818976
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341 U1419 D	2 H	3 A	123	9.95	8.5075485
341 U1419 D	2 H	3 A	124	9.96	8.5160988
341 U1419 D	2 H	3 A	125	9.97	8.5246491
341 U1419 D	2 H	3 A	126	9.98	8.5331994
341 U1419 D	2 H	3 A	127	9.99	8.5417497
341 U1419 D	2 H	3 A	128	10	8.5503
341 U1419 D	2 H	3 A	129	10.01	8.5588503
341 U1419 D	2 H	3 A	130	10.02	8.5674006
341 U1419 D	2 H	3 A	131	10.03	8.5759509
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341 U1419 D	2 H	3 A	134	10.06	8.6016018
341 U1419 D	2 H	3 A	135	10.07	8.6101521
341 U1419 D	2 H	3 A	136	10.08	8.6187024
341 U1419 D	2 H	3 A	137	10.09	8.6272527
341 U1419 D	2 H	3 A	138	10.1	8.635803
341 U1419 D	2 H	3 A	139	10.11	8.6443533
341 U1419 D	2 H	3 A	140	10.12	8.6529036
341 U1419 D	2 H	3 A	141	10.13	8.6614539
341 U1419 D	2 H	3 A	142	10.14	8.6700042
341 U1419 D	2 H	3 A	143	10.15	8.6785545
341 U1419 D	2 H	3 A	144	10.16	8.6871048
341 U1419 D	2 H	3 A	145	10.17	8.6956551
341 U1419 D	2 H	3 A	146	10.18	8.7042054
341 U1419 D	2 H	3 A	147	10.19	8.7127557

341 U1419 D	2 H	3 A	148	10.2	8.721306
341 U1419 D	2 H	3 A	149	10.21	8.7298563
341 U1419 D	2 H	3 A	150	10.22	8.7384066
341 U1419 D	2 H	4 A	0	10.23	8.7469569
341 U1419 D	2 H	4 A	1	10.24	8.7555072
341 U1419 D	2 H	4 A	2	10.25	8.7640575
341 U1419 D	2 H	4 A	3	10.26	8.7726078
341 U1419 D	2 H	4 A	4	10.27	8.7811581
341 U1419 D	2 H	4 A	5	10.28	8.7897084
341 U1419 D	2 H	4 A	6	10.29	8.7982587
341 U1419 D	2 H	4 A	7	10.3	8.806809
341 U1419 D	2 H	4 A	8	10.31	8.8153593
341 U1419 D	2 H	4 A	9	10.32	8.8239096
341 U1419 D	2 H	4 A	10	10.33	8.8324599
341 U1419 D	2 H	4 A	11	10.34	8.8410102
341 U1419 D	2 H	4 A	12	10.35	8.8495605
341 U1419 D	2 H	4 A	13	10.36	8.8581108
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341 U1419 D	2 H	6 A	41	13.65	11.6711595
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341 U1419 D	2 H	6 A	54	13.78	11.7823134
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341 U1419 D	2 H	6 A	57	13.81	11.8079643
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341 U1419 E	2 H	4 A	138	15.48	13.2358644
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341 U1419 E	2 H	4 A	144	15.54	13.2871662
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341 U1419 E	2 H	4 A	148	15.58	13.3213674
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341 U1419 E	2 H	5 A	116	16.77	14.3388531
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341 U1419 E	2 H	5 A	121	16.82	14.3816046
341 U1419 E	2 H	5 A	122	16.83	14.3901549
341 U1419 E	2 H	5 A	123	16.84	14.3987052
341 U1419 E	2 H	5 A	124	16.85	14.4072555
341 U1419 E	2 H	5 A	125	16.86	14.4158058
341 U1419 E	2 H	5 A	126	16.87	14.4243561
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341 U1419 E	2 H	5 A	129	16.9	14.450007
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341 U1419 E	2 H	5 A	144	17.05	14.5782615
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341 U1419 E	2 H	5 A	146	17.07	14.5953621
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341 U1419 D	3 H	5 A	106	23.37	19.9820511
341 U1419 D	3 H	5 A	107	23.38	19.9906014
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341 U1419 D	3 H	5 A	110	23.41	20.0162523
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341 U1419 D	3 H	5 A	113	23.44	20.0419032
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341 U1419 D	3 H	5 A	116	23.47	20.0675541
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341 U1419 D	3 H	5 A	118	23.49	20.0846547
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341 U1419 D	3 H	5 A	120	23.51	20.1017553
341 U1419 D	3 H	5 A	121	23.52	20.1103056
341 U1419 D	3 H	5 A	122	23.53	20.1188559
341 U1419 D	3 H	5 A	123	23.54	20.1274062
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341 U1419 D	3 H	5 A	126	23.57	20.1530571
341 U1419 D	3 H	5 A	127	23.58	20.1616074
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341 U1419 D	3 H	5 A	134	23.65	20.2214595
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341 U1419 D	3 H	5 A	137	23.68	20.2471104
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341 U1419 E	3 H	5 A	82	26.63	22.7694489
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341 U1419 D	4 H	3 A	32	31.36	26.8137408
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341 U1419 D	4 H	3 A	90	31.94	27.3096582
341 U1419 D	4 H	3 A	91	31.95	27.3182085
341 U1419 D	4 H	3 A	92	31.96	27.3267588
341 U1419 D	4 H	3 A	93	31.97	27.3353091
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341 U1419 D	4 H	3 A	126	32.3	27.617469
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341 U1419 D	4 H	3 A	129	32.33	27.6431199
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341 U1419 D	4 H	3 A	139	32.43	27.7286229
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341 U1419 D	4 H	4 A	51	33.02	28.2330906
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341 U1419 D	4 H	4 A	61	33.12	28.3185936
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341 U1419 D	4 H	4 A	63	33.14	28.3356942

341 U1419 D	4 H	4 A	64	33.15	28.3442445
341 U1419 D	4 H	4 A	65	33.16	28.3527948
341 U1419 D	4 H	4 A	66	33.17	28.3613451
341 U1419 D	4 H	4 A	67	33.18	28.3698954
341 U1419 D	4 H	4 A	68	33.19	28.3784457
341 U1419 D	4 H	4 A	69	33.2	28.386996
341 U1419 D	4 H	4 A	70	33.21	28.3955463
341 U1419 D	4 H	4 A	71	33.22	28.4040966
341 U1419 D	4 H	4 A	72	33.23	28.4126469
341 U1419 D	4 H	4 A	73	33.24	28.4211972
341 U1419 D	4 H	4 A	74	33.25	28.4297475
341 U1419 D	4 H	4 A	75	33.26	28.4382978
341 U1419 D	4 H	4 A	76	33.27	28.4468481
341 U1419 D	4 H	4 A	77	33.28	28.4553984
341 U1419 D	4 H	4 A	78	33.29	28.4639487
341 U1419 D	4 H	4 A	79	33.3	28.472499
341 U1419 D	4 H	4 A	80	33.31	28.4810493
341 U1419 D	4 H	4 A	81	33.32	28.4895996
341 U1419 D	4 H	4 A	82	33.33	28.4981499
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341 U1419 D	4 H	4 A	84	33.35	28.5152505
341 U1419 D	4 H	4 A	85	33.36	28.5238008
341 U1419 D	4 H	4 A	86	33.37	28.5323511
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341 U1419 D	4 H	4 A	92	33.43	28.5836529
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341 U1419 D	4 H	4 A	99	33.5	28.643505
341 U1419 D	4 H	4 A	100	33.51	28.6520553
341 U1419 D	4 H	4 A	101	33.52	28.6606056
341 U1419 D	4 H	4 A	102	33.53	28.6691559
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341 U1419 D	4 H	4 A	105	33.56	28.6948068
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341 U1419 D	4 H	4 A	107	33.58	28.7119074
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341 U1419 D	4 H	4 A	145	33.96	29.0368188
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341 U1419 D	4 H	4 A	147	33.98	29.0539194
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341 U1419 D	4 H	5 A	1	34	29.07102
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341 U1419 D	4 H	5 A	3	34.02	29.0881206
341 U1419 D	4 H	5 A	4	34.03	29.0966709
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341 U1419 D	4 H	5 A	6	34.05	29.1137715
341 U1419 D	4 H	5 A	7	34.06	29.1223218
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341 U1419 D	4 H	5 A	9	34.08	29.1394224

341 U1419 D	4 H	5 A	10	34.09	29.1479727
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341 U1419 D	4 H	5 A	13	34.12	29.1736236
341 U1419 D	4 H	5 A	14	34.13	29.1821739
341 U1419 D	4 H	5 A	15	34.14	29.1907242
341 U1419 D	4 H	5 A	16	34.15	29.1992745
341 U1419 D	4 H	5 A	17	34.16	29.2078248
341 U1419 D	4 H	5 A	18	34.17	29.2163751
341 U1419 D	4 H	5 A	19	34.18	29.2249254
341 U1419 D	4 H	5 A	20	34.19	29.2334757
341 U1419 D	4 H	5 A	21	34.2	29.242026
341 U1419 D	4 H	5 A	22	34.21	29.2505763
341 U1419 D	4 H	5 A	23	34.22	29.2591266
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341 U1419 D	4 H	5 A	30	34.29	29.3189787
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341 U1419 D	4 H	5 A	33	34.32	29.3446296
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341 U1419 D	4 H	5 A	41	34.4	29.413032
341 U1419 D	4 H	5 A	42	34.41	29.4215823
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341 U1419 D	4 H	5 A	51	34.5	29.498535
341 U1419 D	4 H	5 A	52	34.51	29.5070853
341 U1419 D	4 H	5 A	53	34.52	29.5156356
341 U1419 D	4 H	5 A	54	34.53	29.5241859
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341 U1419 D	4 H	5 A	56	34.55	29.5412865

341 U1419 D	4 H	5 A	57	34.56	29.5498368
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341 U1419 D	4 H	5 A	59	34.58	29.5669374
341 U1419 D	4 H	5 A	60	34.59	29.5754877
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341 U1419 D	4 H	5 A	67	34.66	29.6353398
341 U1419 D	4 H	5 A	68	34.67	29.6438901
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341 U1419 D	4 H	5 A	71	34.7	29.669541
341 U1419 D	4 H	5 A	72	34.71	29.6780913
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341 U1419 D	4 H	5 A	74	34.73	29.6951919
341 U1419 D	4 H	5 A	75	34.74	29.7037422
341 U1419 D	4 H	5 A	76	34.75	29.7122925
341 U1419 D	4 H	5 A	77	34.76	29.7208428
341 U1419 D	4 H	5 A	78	34.77	29.7293931
341 U1419 D	4 H	5 A	79	34.78	29.7379434
341 U1419 D	4 H	5 A	80	34.79	29.7464937
341 U1419 D	4 H	5 A	81	34.8	29.755044
341 U1419 D	4 H	5 A	82	34.81	29.7635943
341 U1419 D	4 H	5 A	83	34.82	29.7721446
341 U1419 D	4 H	5 A	84	34.83	29.7806949
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341 U1419 D	4 H	5 A	89	34.88	29.8234464
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341 U1419 D	4 H	5 A	92	34.91	29.8490973
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341 U1419 D	4 H	5 A	95	34.94	29.8747482
341 U1419 D	4 H	5 A	96	34.95	29.8832985
341 U1419 D	4 H	5 A	97	34.96	29.8918488
341 U1419 D	4 H	5 A	98	34.97	29.9003991
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341 U1419 D	4 H	5 A	100	34.99	29.9174997
341 U1419 D	4 H	5 A	101	35	29.92605
341 U1419 B	4 H	3 A	9	35.01	29.9346003

341 U1419 B	4 H	3 A	10	35.02	29.9431506
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341 U1419 B	4 H	3 A	12	35.04	29.9602512
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341 U1419 B	4 H	3 A	18	35.1	30.011553
341 U1419 B	4 H	3 A	19	35.11	30.0201033
341 U1419 B	4 H	3 A	20	35.12	30.0286536
341 U1419 B	4 H	3 A	21	35.13	30.0372039
341 U1419 B	4 H	3 A	22	35.14	30.0457542
341 U1419 B	4 H	3 A	23	35.15	30.0543045
341 U1419 B	4 H	3 A	24	35.16	30.0628548
341 U1419 B	4 H	3 A	25	35.17	30.0714051
341 U1419 B	4 H	3 A	26	35.18	30.0799554
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341 U1419 B	4 H	3 A	40	35.32	30.1996596
341 U1419 B	4 H	3 A	41	35.33	30.2082099
341 U1419 B	4 H	3 A	42	35.34	30.2167602
341 U1419 B	4 H	3 A	43	35.35	30.2253105
341 U1419 B	4 H	3 A	44	35.36	30.2338608
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341 U1419 B	4 H	3 A	46	35.38	30.2509614
341 U1419 B	4 H	3 A	47	35.39	30.2595117
341 U1419 B	4 H	3 A	48	35.4	30.268062
341 U1419 B	4 H	3 A	49	35.41	30.2766123
341 U1419 B	4 H	3 A	50	35.42	30.2851626
341 U1419 B	4 H	3 A	51	35.43	30.2937129
341 U1419 B	4 H	3 A	52	35.44	30.3022632
341 U1419 B	4 H	3 A	53	35.45	30.3108135
341 U1419 B	4 H	3 A	54	35.46	30.3193638
341 U1419 B	4 H	3 A	55	35.47	30.3279141
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341 U1419 B	4 H	3 A	57	35.49	30.3450147
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341 U1419 B	4 H	3 A	59	35.51	30.3621153
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341 U1419 B	4 H	3 A	65	35.57	30.4134171
341 U1419 B	4 H	3 A	66	35.58	30.4219674
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341 U1419 B	4 H	3 A	68	35.6	30.439068
341 U1419 B	4 H	3 A	69	35.61	30.4476183
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341 U1419 B	4 H	3 A	71	35.63	30.4647189
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341 U1419 B	4 H	3 A	80	35.72	30.5416716
341 U1419 B	4 H	3 A	81	35.73	30.5502219
341 U1419 B	4 H	3 A	82	35.74	30.5587722
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341 U1419 B	4 H	3 A	84	35.76	30.5758728
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341 U1419 B	4 H	3 A	97	35.89	30.6870267
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341 U1419 B	4 H	3 A	99	35.91	30.7041273
341 U1419 B	4 H	3 A	100	35.92	30.7126776
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341 U1419 B	4 H	3 A	103	35.95	30.7383285

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341 U1419 B	4 H	3 A	106	35.98	30.7639794
341 U1419 B	4 H	3 A	107	35.99	30.7725297
341 U1419 B	4 H	3 A	108	36	30.78108
341 U1419 B	4 H	3 A	109	36.01	30.7896303
341 U1419 B	4 H	3 A	110	36.02	30.7981806
341 U1419 B	4 H	3 A	111	36.03	30.8067309
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341 U1419 B	4 H	3 A	113	36.05	30.8238315
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341 U1419 B	4 H	3 A	117	36.09	30.8580327
341 U1419 B	4 H	3 A	118	36.1	30.866583
341 U1419 B	4 H	3 A	119	36.11	30.8751333
341 U1419 B	4 H	3 A	120	36.12	30.8836836
341 U1419 B	4 H	3 A	121	36.13	30.8922339
341 U1419 B	4 H	3 A	122	36.14	30.9007842
341 U1419 B	4 H	3 A	123	36.15	30.9093345
341 U1419 B	4 H	3 A	124	36.16	30.9178848
341 U1419 B	4 H	3 A	125	36.17	30.9264351
341 U1419 B	4 H	3 A	126	36.18	30.9349854
341 U1419 B	4 H	3 A	127	36.19	30.9435357
341 U1419 B	4 H	3 A	128	36.2	30.952086
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341 U1419 B	4 H	3 A	134	36.26	31.0033878
341 U1419 B	4 H	3 A	135	36.27	31.0119381
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341 U1419 B	4 H	3 A	137	36.29	31.0290387
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341 U1419 B	4 H	3 A	139	36.31	31.0461393
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341 U1419 B	4 H	3 A	142	36.34	31.0717902
341 U1419 B	4 H	3 A	143	36.35	31.0803405
341 U1419 B	4 H	3 A	144	36.36	31.0888908
341 U1419 B	4 H	4 A	0	36.37	31.0974411
341 U1419 B	4 H	4 A	1	36.38	31.1059914
341 U1419 B	4 H	4 A	2	36.39	31.1145417
341 U1419 B	4 H	4 A	3	36.4	31.123092
341 U1419 B	4 H	4 A	4	36.41	31.1316423
341 U1419 B	4 H	4 A	5	36.42	31.1401926

341 U1419 B	4 H	4 A	6	36.43	31.1487429
341 U1419 B	4 H	4 A	7	36.44	31.1572932
341 U1419 B	4 H	4 A	8	36.45	31.1658435
341 U1419 B	4 H	4 A	9	36.46	31.1743938
341 U1419 B	4 H	4 A	10	36.47	31.1829441
341 U1419 B	4 H	4 A	11	36.48	31.1914944
341 U1419 B	4 H	4 A	12	36.49	31.2000447
341 U1419 B	4 H	4 A	13	36.5	31.208595
341 U1419 B	4 H	4 A	14	36.51	31.2171453
341 U1419 B	4 H	4 A	15	36.52	31.2256956
341 U1419 B	4 H	4 A	16	36.53	31.2342459
341 U1419 B	4 H	4 A	17	36.54	31.2427962
341 U1419 B	4 H	4 A	18	36.55	31.2513465
341 U1419 B	4 H	4 A	19	36.56	31.2598968
341 U1419 B	4 H	4 A	20	36.57	31.2684471
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341 U1419 B	4 H	4 A	24	36.61	31.3026483
341 U1419 B	4 H	4 A	25	36.62	31.3111986
341 U1419 B	4 H	4 A	26	36.63	31.3197489
341 U1419 B	4 H	4 A	27	36.64	31.3282992
341 U1419 B	4 H	4 A	28	36.65	31.3368495
341 U1419 B	4 H	4 A	29	36.66	31.3453998
341 U1419 B	4 H	4 A	30	36.67	31.3539501
341 U1419 B	4 H	4 A	31	36.68	31.3625004
341 U1419 B	4 H	4 A	32	36.69	31.3710507
341 U1419 B	4 H	4 A	33	36.7	31.379601
341 U1419 B	4 H	4 A	34	36.71	31.3881513
341 U1419 B	4 H	4 A	35	36.72	31.3967016
341 U1419 B	4 H	4 A	36	36.73	31.4052519
341 U1419 B	4 H	4 A	37	36.74	31.4138022
341 U1419 B	4 H	4 A	38	36.75	31.4223525
341 U1419 B	4 H	4 A	39	36.76	31.4309028
341 U1419 B	4 H	4 A	40	36.77	31.4394531
341 U1419 B	4 H	4 A	41	36.78	31.4480034
341 U1419 B	4 H	4 A	42	36.79	31.4565537
341 U1419 B	4 H	4 A	43	36.8	31.465104
341 U1419 B	4 H	4 A	44	36.81	31.4736543
341 U1419 B	4 H	4 A	45	36.82	31.4822046
341 U1419 B	4 H	4 A	46	36.83	31.4907549
341 U1419 B	4 H	4 A	47	36.84	31.4993052
341 U1419 B	4 H	4 A	48	36.85	31.5078555
341 U1419 B	4 H	4 A	49	36.86	31.5164058
341 U1419 B	4 H	4 A	50	36.87	31.5249561
341 U1419 B	4 H	4 A	51	36.88	31.5335064
341 U1419 B	4 H	4 A	52	36.89	31.5420567

341 U1419 B	4 H	4 A	53	36.9	31.550607
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341 U1419 B	4 H	4 A	56	36.93	31.5762579
341 U1419 B	4 H	4 A	57	36.94	31.5848082
341 U1419 B	4 H	4 A	58	36.95	31.5933585
341 U1419 B	4 H	4 A	59	36.96	31.6019088
341 U1419 B	4 H	4 A	60	36.97	31.6104591
341 U1419 B	4 H	4 A	61	36.98	31.6190094
341 U1419 B	4 H	4 A	62	36.99	31.6275597
341 U1419 B	4 H	4 A	63	37	31.63611
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341 U1419 B	4 H	4 A	65	37.02	31.6532106
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341 U1419 B	4 H	4 A	67	37.04	31.6703112
341 U1419 B	4 H	4 A	68	37.05	31.6788615
341 U1419 B	4 H	4 A	69	37.06	31.6874118
341 U1419 B	4 H	4 A	70	37.07	31.6959621
341 U1419 B	4 H	4 A	71	37.08	31.7045124
341 U1419 B	4 H	4 A	72	37.09	31.7130627
341 U1419 B	4 H	4 A	73	37.1	31.721613
341 U1419 B	4 H	4 A	74	37.11	31.7301633
341 U1419 B	4 H	4 A	75	37.12	31.7387136
341 U1419 B	4 H	4 A	76	37.13	31.7472639
341 U1419 B	4 H	4 A	77	37.14	31.7558142
341 U1419 B	4 H	4 A	78	37.15	31.7643645
341 U1419 B	4 H	4 A	79	37.16	31.7729148
341 U1419 B	4 H	4 A	80	37.17	31.7814651
341 U1419 B	4 H	4 A	81	37.18	31.7900154
341 U1419 B	4 H	4 A	82	37.19	31.7985657
341 U1419 B	4 H	4 A	83	37.2	31.807116
341 U1419 B	4 H	4 A	84	37.21	31.8156663
341 U1419 B	4 H	4 A	85	37.22	31.8242166
341 U1419 B	4 H	4 A	86	37.23	31.8327669
341 U1419 B	4 H	4 A	87	37.24	31.8413172
341 U1419 B	4 H	4 A	88	37.25	31.8498675
341 U1419 B	4 H	4 A	89	37.26	31.8584178
341 U1419 B	4 H	4 A	90	37.27	31.8669681
341 U1419 B	4 H	4 A	91	37.28	31.8755184
341 U1419 B	4 H	4 A	92	37.29	31.8840687
341 U1419 B	4 H	4 A	93	37.3	31.892619
341 U1419 B	4 H	4 A	94	37.31	31.9011693
341 U1419 B	4 H	4 A	95	37.32	31.9097196
341 U1419 B	4 H	4 A	96	37.33	31.9182699
341 U1419 B	4 H	4 A	97	37.34	31.9268202
341 U1419 B	4 H	4 A	98	37.35	31.9353705
341 U1419 B	4 H	4 A	99	37.36	31.9439208

341 U1419 B	4 H	4 A	100	37.37	31.9524711
341 U1419 B	4 H	4 A	101	37.38	31.9610214
341 U1419 B	4 H	4 A	102	37.39	31.9695717
341 U1419 B	4 H	4 A	103	37.4	31.978122
341 U1419 B	4 H	4 A	104	37.41	31.9866723
341 U1419 B	4 H	4 A	105	37.42	31.9952226
341 U1419 B	4 H	4 A	106	37.43	32.0037729
341 U1419 B	4 H	4 A	107	37.44	32.0123232
341 U1419 B	4 H	4 A	108	37.45	32.0208735
341 U1419 B	4 H	4 A	109	37.46	32.0294238
341 U1419 B	4 H	4 A	110	37.47	32.0379741
341 U1419 B	4 H	4 A	111	37.48	32.0465244
341 U1419 B	4 H	4 A	112	37.49	32.0550747
341 U1419 B	4 H	4 A	113	37.5	32.063625
341 U1419 B	4 H	4 A	114	37.51	32.0721753
341 U1419 B	4 H	4 A	115	37.52	32.0807256
341 U1419 B	4 H	4 A	116	37.53	32.0892759
341 U1419 B	4 H	4 A	117	37.54	32.0978262
341 U1419 B	4 H	4 A	118	37.55	32.1063765
341 U1419 B	4 H	4 A	119	37.56	32.1149268
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341 U1419 B	4 H	4 A	123	37.6	32.149128
341 U1419 B	4 H	4 A	124	37.61	32.1576783
341 U1419 B	4 H	4 A	125	37.62	32.1662286
341 U1419 B	4 H	4 A	126	37.63	32.1747789
341 U1419 B	4 H	4 A	127	37.64	32.1833292
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341 U1419 B	4 H	4 A	129	37.66	32.2004298
341 U1419 B	4 H	4 A	130	37.67	32.2089801
341 U1419 B	4 H	4 A	131	37.68	32.2175304
341 U1419 B	4 H	4 A	132	37.69	32.2260807
341 U1419 B	4 H	4 A	133	37.7	32.234631
341 U1419 B	4 H	4 A	134	37.71	32.2431813
341 U1419 B	4 H	4 A	135	37.72	32.2517316
341 U1419 B	4 H	4 A	136	37.73	32.2602819
341 U1419 B	4 H	4 A	137	37.74	32.2688322
341 U1419 B	4 H	4 A	138	37.75	32.2773825
341 U1419 B	4 H	4 A	139	37.76	32.2859328
341 U1419 B	4 H	4 A	140	37.77	32.2944831
341 U1419 B	4 H	4 A	141	37.78	32.3030334
341 U1419 B	4 H	4 A	142	37.79	32.3115837
341 U1419 B	4 H	4 A	143	37.8	32.320134
341 U1419 B	4 H	4 A	144	37.81	32.3286843
341 U1419 B	4 H	4 A	145	37.82	32.3372346
341 U1419 B	4 H	4 A	146	37.83	32.3457849

341 U1419 B	4 H	5 A	0	37.84	32.3543352
341 U1419 B	4 H	5 A	1	37.85	32.3628855
341 U1419 B	4 H	5 A	2	37.86	32.3714358
341 U1419 B	4 H	5 A	3	37.87	32.3799861
341 U1419 B	4 H	5 A	4	37.88	32.3885364
341 U1419 B	4 H	5 A	5	37.89	32.3970867
341 U1419 B	4 H	5 A	6	37.9	32.405637
341 U1419 B	4 H	5 A	7	37.91	32.4141873
341 U1419 B	4 H	5 A	8	37.92	32.4227376
341 U1419 B	4 H	5 A	9	37.93	32.4312879
341 U1419 B	4 H	5 A	10	37.94	32.4398382
341 U1419 B	4 H	5 A	11	37.95	32.4483885
341 U1419 B	4 H	5 A	12	37.96	32.4569388
341 U1419 B	4 H	5 A	13	37.97	32.4654891
341 U1419 B	4 H	5 A	14	37.98	32.4740394
341 U1419 B	4 H	5 A	15	37.99	32.4825897
341 U1419 B	4 H	5 A	16	38	32.49114
341 U1419 B	4 H	5 A	17	38.01	32.4996903
341 U1419 B	4 H	5 A	18	38.02	32.5082406
341 U1419 B	4 H	5 A	19	38.03	32.5167909
341 U1419 B	4 H	5 A	20	38.04	32.5253412
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341 U1419 B	4 H	5 A	22	38.06	32.5424418
341 U1419 B	4 H	5 A	23	38.07	32.5509921
341 U1419 B	4 H	5 A	24	38.08	32.5595424
341 U1419 B	4 H	5 A	25	38.09	32.5680927
341 U1419 B	4 H	5 A	26	38.1	32.576643
341 U1419 B	4 H	5 A	27	38.11	32.5851933
341 U1419 B	4 H	5 A	28	38.12	32.5937436
341 U1419 B	4 H	5 A	29	38.13	32.6022939
341 U1419 B	4 H	5 A	30	38.14	32.6108442
341 U1419 B	4 H	5 A	31	38.15	32.6193945
341 U1419 B	4 H	5 A	32	38.16	32.6279448
341 U1419 B	4 H	5 A	33	38.17	32.6364951
341 U1419 B	4 H	5 A	34	38.18	32.6450454
341 U1419 B	4 H	5 A	35	38.19	32.6535957
341 U1419 B	4 H	5 A	36	38.2	32.662146
341 U1419 B	4 H	5 A	37	38.21	32.6706963
341 U1419 B	4 H	5 A	38	38.22	32.6792466
341 U1419 B	4 H	5 A	39	38.23	32.6877969
341 U1419 B	4 H	5 A	40	38.24	32.6963472
341 U1419 B	4 H	5 A	41	38.25	32.7048975
341 U1419 B	4 H	5 A	42	38.26	32.7134478
341 U1419 B	4 H	5 A	43	38.27	32.7219981
341 U1419 B	4 H	5 A	44	38.28	32.7305484
341 U1419 B	4 H	5 A	45	38.29	32.7390987
341 U1419 B	4 H	5 A	46	38.3	32.747649

341 U1419 B	4 H	5 A	47	38.31	32.7561993
341 U1419 B	4 H	5 A	48	38.32	32.7647496
341 U1419 B	4 H	5 A	49	38.33	32.7732999
341 U1419 B	4 H	5 A	50	38.34	32.7818502
341 U1419 B	4 H	5 A	51	38.35	32.7904005
341 U1419 B	4 H	5 A	52	38.36	32.7989508
341 U1419 B	4 H	5 A	53	38.37	32.8075011
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341 U1419 B	4 H	5 A	58	38.42	32.8502526
341 U1419 B	4 H	5 A	59	38.43	32.8588029
341 U1419 B	4 H	5 A	60	38.44	32.8673532
341 U1419 B	4 H	5 A	61	38.45	32.8759035
341 U1419 B	4 H	5 A	62	38.46	32.8844538
341 U1419 B	4 H	5 A	63	38.47	32.8930041
341 U1419 B	4 H	5 A	64	38.48	32.9015544
341 U1419 B	4 H	5 A	65	38.49	32.9101047
341 U1419 B	4 H	5 A	66	38.5	32.918655
341 U1419 B	4 H	5 A	67	38.51	32.9272053
341 U1419 B	4 H	5 A	68	38.52	32.9357556
341 U1419 B	4 H	5 A	69	38.53	32.9443059
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341 U1419 B	4 H	5 A	73	38.57	32.9785071
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341 U1419 B	4 H	5 A	75	38.59	32.9956077
341 U1419 B	4 H	5 A	76	38.6	33.004158
341 U1419 B	4 H	5 A	77	38.61	33.0127083
341 U1419 B	4 H	5 A	78	38.62	33.0212586
341 U1419 B	4 H	5 A	79	38.63	33.0298089
341 U1419 B	4 H	5 A	80	38.64	33.0383592
341 U1419 B	4 H	5 A	81	38.65	33.0469095
341 U1419 B	4 H	5 A	82	38.66	33.0554598
341 U1419 B	4 H	5 A	83	38.67	33.0640101
341 U1419 B	4 H	5 A	84	38.68	33.0725604
341 U1419 B	4 H	5 A	85	38.69	33.0811107
341 U1419 B	4 H	5 A	86	38.7	33.089661
341 U1419 B	4 H	5 A	87	38.71	33.0982113
341 U1419 B	4 H	5 A	88	38.72	33.1067616
341 U1419 B	4 H	5 A	89	38.73	33.1153119
341 U1419 B	4 H	5 A	90	38.74	33.1238622
341 U1419 B	4 H	5 A	91	38.75	33.1324125
341 U1419 B	4 H	5 A	92	38.76	33.1409628
341 U1419 B	4 H	5 A	93	38.77	33.1495131

341 U1419 B	4 H	5 A	94	38.78	33.1580634
341 U1419 B	4 H	5 A	95	38.79	33.1666137
341 U1419 B	4 H	5 A	96	38.8	33.175164
341 U1419 B	4 H	5 A	97	38.81	33.1837143
341 U1419 B	4 H	5 A	98	38.82	33.1922646
341 U1419 B	4 H	5 A	99	38.83	33.2008149
341 U1419 B	4 H	5 A	100	38.84	33.2093652
341 U1419 B	4 H	5 A	101	38.85	33.2179155
341 U1419 B	4 H	5 A	102	38.86	33.2264658
341 U1419 B	4 H	5 A	103	38.87	33.2350161
341 U1419 B	4 H	5 A	104	38.88	33.2435664
341 U1419 B	4 H	5 A	105	38.89	33.2521167
341 U1419 B	4 H	5 A	106	38.9	33.260667
341 U1419 B	4 H	5 A	107	38.91	33.2692173
341 U1419 B	4 H	5 A	108	38.92	33.2777676
341 U1419 B	4 H	5 A	109	38.93	33.2863179
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341 U1419 B	4 H	5 A	113	38.97	33.3205191
341 U1419 B	4 H	5 A	114	38.98	33.3290694
341 U1419 B	4 H	5 A	115	38.99	33.3376197
341 U1419 B	4 H	5 A	116	39	33.34617
341 U1419 B	4 H	5 A	117	39.01	33.3547203
341 U1419 B	4 H	5 A	118	39.02	33.3632706
341 U1419 B	4 H	5 A	119	39.03	33.3718209
341 U1419 B	4 H	5 A	120	39.04	33.3803712
341 U1419 B	4 H	5 A	121	39.05	33.3889215
341 U1419 B	4 H	5 A	122	39.06	33.3974718
341 U1419 B	4 H	5 A	123	39.07	33.4060221
341 U1419 B	4 H	5 A	124	39.08	33.4145724
341 U1419 B	4 H	5 A	125	39.09	33.4231227
341 U1419 B	4 H	5 A	126	39.1	33.431673
341 U1419 B	4 H	5 A	127	39.11	33.4402233
341 U1419 B	4 H	5 A	128	39.12	33.4487736
341 U1419 B	4 H	5 A	129	39.13	33.4573239
341 U1419 B	4 H	5 A	130	39.14	33.4658742
341 U1419 B	4 H	5 A	131	39.15	33.4744245
341 U1419 B	4 H	5 A	132	39.16	33.4829748
341 U1419 B	4 H	5 A	133	39.17	33.4915251
341 U1419 B	4 H	5 A	134	39.18	33.5000754
341 U1419 B	4 H	5 A	135	39.19	33.5086257
341 U1419 B	4 H	5 A	136	39.2	33.517176
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341 U1419 B	4 H	5 A	138	39.22	33.5342766
341 U1419 B	4 H	5 A	139	39.23	33.5428269
341 U1419 B	4 H	5 A	140	39.24	33.5513772

341 U1419 B	4 H	5 A	141	39.25	33.5599275
341 U1419 B	4 H	5 A	142	39.26	33.5684778
341 U1419 B	4 H	5 A	143	39.27	33.5770281
341 U1419 B	4 H	5 A	144	39.28	33.5855784
341 U1419 B	4 H	5 A	145	39.29	33.5941287
341 U1419 B	4 H	5 A	146	39.3	33.602679
341 U1419 B	4 H	5 A	147	39.31	33.6112293
341 U1419 B	4 H	6 A	0	39.32	33.6197796
341 U1419 B	4 H	6 A	1	39.33	33.6283299
341 U1419 B	4 H	6 A	2	39.34	33.6368802
341 U1419 B	4 H	6 A	3	39.35	33.6454305
341 U1419 B	4 H	6 A	4	39.36	33.6539808
341 U1419 B	4 H	6 A	5	39.37	33.6625311
341 U1419 B	4 H	6 A	6	39.38	33.6710814
341 U1419 B	4 H	6 A	7	39.39	33.6796317
341 U1419 B	4 H	6 A	8	39.4	33.688182
341 U1419 B	4 H	6 A	9	39.41	33.6967323
341 U1419 B	4 H	6 A	10	39.42	33.7052826
341 U1419 B	4 H	6 A	11	39.43	33.7138329
341 U1419 B	4 H	6 A	12	39.44	33.7223832
341 U1419 B	4 H	6 A	13	39.45	33.7309335
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341 U1419 B	4 H	6 A	15	39.47	33.7480341
341 U1419 B	4 H	6 A	16	39.48	33.7565844
341 U1419 B	4 H	6 A	17	39.49	33.7651347
341 U1419 B	4 H	6 A	18	39.5	33.773685
341 U1419 B	4 H	6 A	19	39.51	33.7822353
341 U1419 B	4 H	6 A	20	39.52	33.7907856
341 U1419 B	4 H	6 A	21	39.53	33.7993359
341 U1419 B	4 H	6 A	22	39.54	33.8078862
341 U1419 B	4 H	6 A	23	39.55	33.8164365
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341 U1419 B	4 H	6 A	25	39.57	33.8335371
341 U1419 B	4 H	6 A	26	39.58	33.8420874
341 U1419 B	4 H	6 A	27	39.59	33.8506377
341 U1419 B	4 H	6 A	28	39.6	33.859188
341 U1419 B	4 H	6 A	29	39.61	33.8677383
341 U1419 B	4 H	6 A	30	39.62	33.8762886
341 U1419 B	4 H	6 A	31	39.63	33.8848389
341 U1419 B	4 H	6 A	32	39.64	33.8933892
341 U1419 B	4 H	6 A	33	39.65	33.9019395
341 U1419 B	4 H	6 A	34	39.66	33.9104898
341 U1419 B	4 H	6 A	35	39.67	33.9190401
341 U1419 B	4 H	6 A	36	39.68	33.9275904
341 U1419 B	4 H	6 A	37	39.69	33.9361407
341 U1419 B	4 H	6 A	38	39.7	33.944691
341 U1419 B	4 H	6 A	39	39.71	33.9532413

341 U1419 B	4 H	6 A	40	39.72	33.9617916
341 U1419 B	4 H	6 A	41	39.73	33.9703419
341 U1419 B	4 H	6 A	42	39.74	33.9788922
341 U1419 B	4 H	6 A	43	39.75	33.9874425
341 U1419 B	4 H	6 A	44	39.76	33.9959928
341 U1419 B	4 H	6 A	45	39.77	34.0045431
341 U1419 B	4 H	6 A	46	39.78	34.0130934
341 U1419 B	4 H	6 A	47	39.79	34.0216437
341 U1419 B	4 H	6 A	48	39.8	34.030194
341 U1419 B	4 H	6 A	49	39.81	34.0387443
341 U1419 B	4 H	6 A	50	39.82	34.0472946
341 U1419 B	4 H	6 A	51	39.83	34.0558449
341 U1419 B	4 H	6 A	52	39.84	34.0643952
341 U1419 B	4 H	6 A	53	39.85	34.0729455
341 U1419 B	4 H	6 A	54	39.86	34.0814958
341 U1419 B	4 H	6 A	55	39.87	34.0900461
341 U1419 B	4 H	6 A	56	39.88	34.0985964
341 U1419 B	4 H	6 A	57	39.89	34.1071467
341 U1419 B	4 H	6 A	58	39.9	34.115697
341 U1419 B	4 H	6 A	59	39.91	34.1242473
341 U1419 B	4 H	6 A	60	39.92	34.1327976
341 U1419 B	4 H	6 A	61	39.93	34.1413479
341 U1419 B	4 H	6 A	62	39.94	34.1498982
341 U1419 B	4 H	6 A	63	39.95	34.1584485
341 U1419 B	4 H	6 A	64	39.96	34.1669988
341 U1419 B	4 H	6 A	65	39.97	34.1755491
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341 U1419 B	4 H	6 A	67	39.99	34.1926497
341 U1419 B	4 H	6 A	68	40	34.2012
341 U1419 B	4 H	6 A	69	40.01	34.2097503
341 U1419 B	4 H	6 A	70	40.02	34.2183006
341 U1419 B	4 H	6 A	71	40.03	34.2268509
341 U1419 B	4 H	6 A	72	40.04	34.2354012
341 U1419 B	4 H	6 A	73	40.05	34.2439515
341 U1419 B	4 H	6 A	74	40.06	34.2525018
341 U1419 B	4 H	6 A	75	40.07	34.2610521
341 U1419 B	4 H	6 A	76	40.08	34.2696024
341 U1419 B	4 H	6 A	77	40.09	34.2781527
341 U1419 B	4 H	6 A	78	40.1	34.286703
341 U1419 B	4 H	6 A	79	40.11	34.2952533
341 U1419 B	4 H	6 A	80	40.12	34.3038036
341 U1419 B	4 H	6 A	81	40.13	34.3123539
341 U1419 B	4 H	6 A	82	40.14	34.3209042
341 U1419 B	4 H	6 A	83	40.15	34.3294545
341 U1419 B	4 H	6 A	84	40.16	34.3380048
341 U1419 B	4 H	6 A	85	40.17	34.3465551
341 U1419 B	4 H	6 A	86	40.18	34.3551054

341 U1419 B	4 H	6 A	87	40.19	34.3636557
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341 U1419 B	4 H	6 A	89	40.21	34.3807563
341 U1419 B	4 H	6 A	90	40.22	34.3893066
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341 U1419 B	4 H	6 A	93	40.25	34.4149575
341 U1419 B	4 H	6 A	94	40.26	34.4235078
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341 U1419 B	4 H	6 A	96	40.28	34.4406084
341 U1419 B	4 H	6 A	97	40.29	34.4491587
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341 U1419 B	4 H	6 A	101	40.33	34.4833599
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341 U1419 B	4 H	6 A	103	40.35	34.5004605
341 U1419 B	4 H	6 A	104	40.36	34.5090108
341 U1419 B	4 H	6 A	105	40.37	34.5175611
341 U1419 B	4 H	6 A	106	40.38	34.5261114
341 U1419 B	4 H	6 A	107	40.39	34.5346617
341 U1419 B	4 H	6 A	108	40.4	34.543212
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341 U1419 B	4 H	6 A	111	40.43	34.5688629
341 U1419 B	4 H	6 A	112	40.44	34.5774132
341 U1419 B	4 H	6 A	113	40.45	34.5859635
341 U1419 B	4 H	6 A	114	40.46	34.5945138
341 U1419 B	4 H	6 A	115	40.47	34.6030641
341 U1419 B	4 H	6 A	116	40.48	34.6116144
341 U1419 B	4 H	6 A	117	40.49	34.6201647
341 U1419 B	4 H	6 A	118	40.5	34.628715
341 U1419 B	4 H	6 A	119	40.51	34.6372653
341 U1419 B	4 H	6 A	120	40.52	34.6458156
341 U1419 B	4 H	6 A	121	40.53	34.6543659
341 U1419 B	4 H	6 A	122	40.54	34.6629162
341 U1419 B	4 H	6 A	123	40.55	34.6714665
341 U1419 B	4 H	6 A	124	40.56	34.6800168
341 U1419 B	4 H	6 A	125	40.57	34.6885671
341 U1419 B	4 H	6 A	126	40.58	34.6971174
341 U1419 B	4 H	6 A	127	40.59	34.7056677
341 U1419 B	4 H	6 A	128	40.6	34.714218
341 U1419 B	4 H	6 A	129	40.61	34.7227683
341 U1419 B	4 H	6 A	130	40.62	34.7313186
341 U1419 B	4 H	6 A	131	40.63	34.7398689
341 U1419 B	4 H	6 A	132	40.64	34.7484192
341 U1419 B	4 H	6 A	133	40.65	34.7569695

341 U1419 B	4 H	6 A	134	40.66	34.7655198
341 U1419 B	4 H	6 A	135	40.67	34.7740701
341 U1419 B	4 H	6 A	136	40.68	34.7826204
341 U1419 B	4 H	6 A	137	40.69	34.7911707
341 U1419 B	4 H	6 A	138	40.7	34.799721
341 U1419 B	4 H	6 A	139	40.71	34.8082713
341 U1419 B	4 H	6 A	140	40.72	34.8168216
341 U1419 B	4 H	6 A	141	40.73	34.8253719
341 U1419 B	4 H	6 A	142	40.74	34.8339222
341 U1419 B	4 H	6 A	143	40.75	34.8424725
341 U1419 B	4 H	6 A	144	40.76	34.8510228
341 U1419 B	4 H	6 A	145	40.77	34.8595731
341 U1419 B	4 H	6 A	146	40.78	34.8681234
341 U1419 B	4 H	6 A	147	40.79	34.8766737
341 U1419 B	4 H	6 A	148	40.8	34.885224
341 U1419 B	4 H	6 A	149	40.81	34.8937743
341 U1419 B	4 H	7 A	0	40.82	34.9023246
341 U1419 B	4 H	7 A	1	40.83	34.9108749
341 U1419 B	4 H	7 A	2	40.84	34.9194252
341 U1419 B	4 H	7 A	3	40.85	34.9279755
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341 U1419 B	4 H	7 A	5	40.87	34.9450761
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341 U1419 B	4 H	7 A	7	40.89	34.9621767
341 U1419 B	4 H	7 A	8	40.9	34.970727
341 U1419 B	4 H	7 A	9	40.91	34.9792773
341 U1419 B	4 H	7 A	10	40.92	34.9878276
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341 U1419 B	4 H	7 A	12	40.94	35.0049282
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341 U1419 B	4 H	7 A	17	40.99	35.0476797
341 U1419 B	4 H	7 A	18	41	35.05623
341 U1419 B	4 H	7 A	19	41.01	35.0647803
341 U1419 B	4 H	7 A	20	41.02	35.0733306
341 U1419 B	4 H	7 A	21	41.03	35.0818809
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341 U1419 B	4 H	7 A	23	41.05	35.0989815
341 U1419 B	4 H	7 A	24	41.06	35.1075318
341 U1419 B	4 H	7 A	25	41.07	35.1160821
341 U1419 B	4 H	7 A	26	41.08	35.1246324
341 U1419 B	4 H	7 A	27	41.09	35.1331827
341 U1419 B	4 H	7 A	28	41.1	35.141733
341 U1419 B	4 H	7 A	29	41.11	35.1502833
341 U1419 B	4 H	7 A	30	41.12	35.1588336

341 U1419 B	4 H	7 A	31	41.13	35.1673839
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341 U1419 D	5 H	2 A	17	41.15	35.1844845
341 U1419 D	5 H	2 A	18	41.16	35.1930348
341 U1419 D	5 H	2 A	19	41.17	35.2015851
341 U1419 D	5 H	2 A	20	41.18	35.2101354
341 U1419 D	5 H	2 A	21	41.19	35.2186857
341 U1419 D	5 H	2 A	22	41.2	35.227236
341 U1419 D	5 H	2 A	23	41.21	35.2357863
341 U1419 D	5 H	2 A	24	41.22	35.2443366
341 U1419 D	5 H	2 A	25	41.23	35.2528869
341 U1419 D	5 H	2 A	26	41.24	35.2614372
341 U1419 D	5 H	2 A	27	41.25	35.2699875
341 U1419 D	5 H	2 A	28	41.26	35.2785378
341 U1419 D	5 H	2 A	29	41.27	35.2870881
341 U1419 D	5 H	2 A	30	41.28	35.2956384
341 U1419 D	5 H	2 A	31	41.29	35.3041887
341 U1419 D	5 H	2 A	32	41.3	35.312739
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341 U1419 D	5 H	2 A	34	41.32	35.3298396
341 U1419 D	5 H	2 A	35	41.33	35.3383899
341 U1419 D	5 H	2 A	36	41.34	35.3469402
341 U1419 D	5 H	2 A	37	41.35	35.3554905
341 U1419 D	5 H	2 A	38	41.36	35.3640408
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341 U1419 D	5 H	2 A	41	41.39	35.3896917
341 U1419 D	5 H	2 A	42	41.4	35.398242
341 U1419 D	5 H	2 A	43	41.41	35.4067923
341 U1419 D	5 H	2 A	44	41.42	35.4153426
341 U1419 D	5 H	2 A	45	41.43	35.4238929
341 U1419 D	5 H	2 A	46	41.44	35.4324432
341 U1419 D	5 H	2 A	47	41.45	35.4409935
341 U1419 D	5 H	2 A	48	41.46	35.4495438
341 U1419 D	5 H	2 A	49	41.47	35.4580941
341 U1419 D	5 H	2 A	50	41.48	35.4666444
341 U1419 D	5 H	2 A	51	41.49	35.4751947
341 U1419 D	5 H	2 A	52	41.5	35.483745
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341 U1419 D	5 H	2 A	54	41.52	35.5008456
341 U1419 D	5 H	2 A	55	41.53	35.5093959
341 U1419 D	5 H	2 A	56	41.54	35.5179462
341 U1419 D	5 H	2 A	57	41.55	35.5264965
341 U1419 D	5 H	2 A	58	41.56	35.5350468
341 U1419 D	5 H	2 A	59	41.57	35.5435971
341 U1419 D	5 H	2 A	60	41.58	35.5521474

341 U1419 D	5 H	2 A	61	41.59	35.5606977
341 U1419 D	5 H	2 A	62	41.6	35.569248
341 U1419 D	5 H	2 A	63	41.61	35.5777983
341 U1419 D	5 H	2 A	64	41.62	35.5863486
341 U1419 D	5 H	2 A	65	41.63	35.5948989
341 U1419 D	5 H	2 A	66	41.64	35.6034492
341 U1419 D	5 H	2 A	67	41.65	35.6119995
341 U1419 D	5 H	2 A	68	41.66	35.6205498
341 U1419 D	5 H	2 A	69	41.67	35.6291001
341 U1419 D	5 H	2 A	70	41.68	35.6376504
341 U1419 D	5 H	2 A	71	41.69	35.6462007
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341 U1419 D	5 H	2 A	74	41.72	35.6718516
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341 U1419 D	5 H	2 A	91	41.89	35.8172067
341 U1419 D	5 H	2 A	92	41.9	35.825757
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341 U1419 D	5 H	2 A	94	41.92	35.8428576
341 U1419 D	5 H	2 A	95	41.93	35.8514079
341 U1419 D	5 H	2 A	96	41.94	35.8599582
341 U1419 D	5 H	2 A	97	41.95	35.8685085
341 U1419 D	5 H	2 A	98	41.96	35.8770588
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341 U1419 D	5 H	2 A	102	42	35.91126
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341 U1419 D	5 H	2 A	104	42.02	35.9283606
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341 U1419 D	5 H	2 A	110	42.08	35.9796624
341 U1419 D	5 H	2 A	111	42.09	35.9882127
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341 U1419 D	5 H	2 A	113	42.11	36.0053133
341 U1419 D	5 H	2 A	114	42.12	36.0138636
341 U1419 D	5 H	2 A	115	42.13	36.0224139
341 U1419 D	5 H	2 A	116	42.14	36.0309642
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341 U1419 D	5 H	2 A	122	42.2	36.082266
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341 U1419 D	5 H	2 A	128	42.26	36.1335678
341 U1419 D	5 H	2 A	129	42.27	36.1421181
341 U1419 D	5 H	2 A	130	42.28	36.1506684
341 U1419 D	5 H	2 A	131	42.29	36.1592187
341 U1419 D	5 H	2 A	132	42.3	36.167769
341 U1419 D	5 H	2 A	133	42.31	36.1763193
341 U1419 D	5 H	2 A	134	42.32	36.1848696
341 U1419 D	5 H	2 A	135	42.33	36.1934199
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341 U1419 D	5 H	2 A	137	42.35	36.2105205
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341 U1419 D	5 H	2 A	139	42.37	36.2276211
341 U1419 D	5 H	2 A	140	42.38	36.2361714
341 U1419 D	5 H	2 A	141	42.39	36.2447217
341 U1419 D	5 H	2 A	142	42.4	36.253272
341 U1419 D	5 H	2 A	143	42.41	36.2618223
341 U1419 D	5 H	3 A	0	42.42	36.2703726
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341 U1419 D	5 H	3 A	3	42.45	36.2960235
341 U1419 D	5 H	3 A	4	42.46	36.3045738
341 U1419 D	5 H	3 A	5	42.47	36.3131241
341 U1419 D	5 H	3 A	6	42.48	36.3216744
341 U1419 D	5 H	3 A	7	42.49	36.3302247
341 U1419 D	5 H	3 A	8	42.5	36.338775
341 U1419 D	5 H	3 A	9	42.51	36.3473253
341 U1419 D	5 H	3 A	10	42.52	36.3558756

341 U1419 D	5 H	3 A	11	42.53	36.3644259
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341 U1419 D	5 H	3 A	13	42.55	36.3815265
341 U1419 D	5 H	3 A	14	42.56	36.3900768
341 U1419 D	5 H	3 A	15	42.57	36.3986271
341 U1419 D	5 H	3 A	16	42.58	36.4071774
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341 U1419 D	5 H	3 A	18	42.6	36.424278
341 U1419 D	5 H	3 A	19	42.61	36.4328283
341 U1419 D	5 H	3 A	20	42.62	36.4413786
341 U1419 D	5 H	3 A	21	42.63	36.4499289
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341 U1419 D	5 H	3 A	23	42.65	36.4670295
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341 U1419 D	5 H	3 A	25	42.67	36.4841301
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341 U1419 D	5 H	3 A	42	42.84	36.6294852
341 U1419 D	5 H	3 A	43	42.85	36.6380355
341 U1419 D	5 H	3 A	44	42.86	36.6465858
341 U1419 D	5 H	3 A	45	42.87	36.6551361
341 U1419 D	5 H	3 A	46	42.88	36.6636864
341 U1419 D	5 H	3 A	47	42.89	36.6722367
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341 U1419 D	5 H	3 A	50	42.92	36.6978876
341 U1419 D	5 H	3 A	51	42.93	36.7064379
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341 U1419 D	5 H	3 A	66	43.08	36.8346924
341 U1419 D	5 H	3 A	67	43.09	36.8432427
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341 U1419 D	5 H	3 A	79	43.21	36.9458463
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341 U1419 D	5 H	4 A	4	43.93	37.5614679

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341 U1419 D	5 H	4 A	90	44.79	38.2967937
341 U1419 D	5 H	4 A	91	44.8	38.305344
341 U1419 D	5 H	4 A	92	44.81	38.3138943
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341 U1419 D	5 H	4 A	120	45.09	38.5533027
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341 U1419 D	5 H	4 A	131	45.2	38.647356
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341 U1419 D	5 H	4 A	137	45.26	38.6986578
341 U1419 D	5 H	4 A	138	45.27	38.7072081
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341 U1419 D	5 H	4 A	143	45.32	38.7499596
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341 U1419 D	5 H	5 A	27	45.66	39.0406698
341 U1419 D	5 H	5 A	28	45.67	39.0492201
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341 U1419 D	5 H	5 A	53	45.92	39.2629776
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341 U1419 D	5 H	5 A	63	46.02	39.3484806
341 U1419 D	5 H	5 A	64	46.03	39.3570309
341 U1419 D	5 H	5 A	65	46.04	39.3655812
341 U1419 D	5 H	5 A	66	46.05	39.3741315
341 U1419 D	5 H	5 A	67	46.06	39.3826818
341 U1419 D	5 H	5 A	68	46.07	39.3912321
341 U1419 D	5 H	5 A	69	46.08	39.3997824
341 U1419 D	5 H	5 A	70	46.09	39.4083327
341 U1419 D	5 H	5 A	71	46.1	39.416883
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341 U1419 D	5 H	5 A	73	46.12	39.4339836
341 U1419 D	5 H	5 A	74	46.13	39.4425339
341 U1419 D	5 H	5 A	75	46.14	39.4510842
341 U1419 D	5 H	5 A	76	46.15	39.4596345
341 U1419 D	5 H	5 A	77	46.16	39.4681848
341 U1419 D	5 H	5 A	78	46.17	39.4767351
341 U1419 D	5 H	5 A	79	46.18	39.4852854
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341 U1419 D	5 H	5 A	82	46.21	39.5109363
341 U1419 D	5 H	5 A	83	46.22	39.5194866
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341 U1419 D	5 H	5 A	85	46.24	39.5365872
341 U1419 D	5 H	5 A	86	46.25	39.5451375
341 U1419 D	5 H	5 A	87	46.26	39.5536878
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341 U1419 D	5 H	5 A	89	46.28	39.5707884

341 U1419 D	5 H	5 A	90	46.29	39.5793387
341 U1419 D	5 H	5 A	91	46.3	39.587889
341 U1419 D	5 H	5 A	92	46.31	39.5964393
341 U1419 D	5 H	5 A	93	46.32	39.6049896
341 U1419 D	5 H	5 A	94	46.33	39.6135399
341 U1419 D	5 H	5 A	95	46.34	39.6220902
341 U1419 D	5 H	5 A	96	46.35	39.6306405
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341 U1419 D	5 H	5 A	100	46.39	39.6648417
341 U1419 D	5 H	5 A	101	46.4	39.673392
341 U1419 D	5 H	5 A	102	46.41	39.6819423
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341 U1419 D	5 H	5 A	104	46.43	39.6990429
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341 U1419 D	5 H	5 A	114	46.53	39.7845459
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341 U1419 D	5 H	6 A	13	47.03	40.2120609
341 U1419 D	5 H	6 A	14	47.04	40.2206112
341 U1419 D	5 H	6 A	15	47.05	40.2291615
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341 U1419 D	5 H	6 A	25	47.15	40.3146645
341 U1419 D	5 H	6 A	26	47.16	40.3232148
341 U1419 D	5 H	6 A	27	47.17	40.3317651
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341 U1419 D	5 H	6 A	29	47.19	40.3488657
341 U1419 D	5 H	6 A	30	47.2	40.357416
341 U1419 D	5 H	6 A	31	47.21	40.3659663
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341 U1419 D	5 H	6 A	33	47.23	40.3830669
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341 U1419 D	5 H	6 A	36	47.26	40.4087178
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341 U1419 D	5 H	6 A	40	47.3	40.442919
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341 U1419 D	5 H	6 A	42	47.32	40.4600196
341 U1419 D	5 H	6 A	43	47.33	40.4685699
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341 U1419 C	6 H	2 A	34	47.42	40.5455226
341 U1419 C	6 H	2 A	35	47.43	40.5540729
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341 U1419 C	6 H	2 A	41	47.49	40.6053747
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341 U1419 C	6 H	2 A	49	47.57	40.6737771
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341 U1419 C	6 H	2 A	61	47.69	40.7763807
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341 U1419 C	6 H	2 A	71	47.79	40.8618837
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341 U1419 C	6 H	2 A	102	48.1	41.126943
341 U1419 C	6 H	2 A	103	48.11	41.1354933
341 U1419 C	6 H	2 A	104	48.12	41.1440436
341 U1419 C	6 H	2 A	105	48.13	41.1525939
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341 U1419 C	6 H	2 A	107	48.15	41.1696945

341 U1419 C	6 H	2 A	108	48.16	41.1782448
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341 U1419 C	6 H	2 A	111	48.19	41.2038957
341 U1419 C	6 H	2 A	112	48.2	41.212446
341 U1419 C	6 H	2 A	113	48.21	41.2209963
341 U1419 C	6 H	2 A	114	48.22	41.2295466
341 U1419 C	6 H	2 A	115	48.23	41.2380969
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341 U1419 C	6 H	2 A	121	48.29	41.2893987
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341 U1419 C	6 H	2 A	137	48.45	41.4262035
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341 U1419 C	6 H	3 A	0	48.51	41.4775053
341 U1419 C	6 H	3 A	1	48.52	41.4860556
341 U1419 C	6 H	3 A	2	48.53	41.4946059
341 U1419 C	6 H	3 A	3	48.54	41.5031562
341 U1419 C	6 H	3 A	4	48.55	41.5117065
341 U1419 C	6 H	3 A	5	48.56	41.5202568
341 U1419 C	6 H	3 A	6	48.57	41.5288071
341 U1419 C	6 H	3 A	7	48.58	41.5373574
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341 U1419 C	6 H	3 A	12	48.63	41.5801089
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341 U1419 C	6 H	3 A	34	48.85	41.7682155
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341 U1419 C	6 H	3 A	36	48.87	41.7853161
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341 U1419 C	6 H	3 A	50	49.01	41.9050203
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341 U1419 C	6 H	3 A	52	49.03	41.9221209
341 U1419 C	6 H	3 A	53	49.04	41.9306712
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341 U1419 C	6 H	3 A	58	49.09	41.9734227

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341 U1419 C	6 H	3 A	61	49.12	41.9990736
341 U1419 C	6 H	3 A	62	49.13	42.0076239
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341 U1419 C	6 H	3 A	66	49.17	42.0418251
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341 U1419 C	6 H	3 A	70	49.21	42.0760263
341 U1419 C	6 H	3 A	71	49.22	42.0845766
341 U1419 C	6 H	3 A	72	49.23	42.0931269
341 U1419 C	6 H	3 A	73	49.24	42.1016772
341 U1419 C	6 H	3 A	74	49.25	42.1102275
341 U1419 C	6 H	3 A	75	49.26	42.1187778
341 U1419 C	6 H	3 A	76	49.27	42.1273281
341 U1419 C	6 H	3 A	77	49.28	42.1358784
341 U1419 C	6 H	3 A	78	49.29	42.1444287
341 U1419 C	6 H	3 A	79	49.3	42.152979
341 U1419 C	6 H	3 A	80	49.31	42.1615293
341 U1419 C	6 H	3 A	81	49.32	42.1700796
341 U1419 C	6 H	3 A	82	49.33	42.1786299
341 U1419 C	6 H	3 A	83	49.34	42.1871802
341 U1419 C	6 H	3 A	84	49.35	42.1957305
341 U1419 C	6 H	3 A	85	49.36	42.2042808
341 U1419 C	6 H	3 A	86	49.37	42.2128311
341 U1419 C	6 H	3 A	87	49.38	42.2213814
341 U1419 C	6 H	3 A	88	49.39	42.2299317
341 U1419 C	6 H	3 A	89	49.4	42.238482
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341 U1419 C	6 H	3 A	91	49.42	42.2555826
341 U1419 C	6 H	3 A	92	49.43	42.2641329
341 U1419 C	6 H	3 A	93	49.44	42.2726832
341 U1419 C	6 H	3 A	94	49.45	42.2812335
341 U1419 C	6 H	3 A	95	49.46	42.2897838
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341 U1419 C	6 H	3 A	97	49.48	42.3068844
341 U1419 C	6 H	3 A	98	49.49	42.3154347
341 U1419 C	6 H	3 A	99	49.5	42.323985
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341 U1419 C	6 H	3 A	102	49.53	42.3496359
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341 U1419 C	6 H	3 A	105	49.56	42.3752868

341 U1419 C	6 H	3 A	106	49.57	42.3838371
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341 U1419 C	6 H	3 A	109	49.6	42.409488
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341 U1419 C	6 H	3 A	112	49.63	42.4351389
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341 U1419 C	6 H	3 A	114	49.65	42.4522395
341 U1419 C	6 H	3 A	115	49.66	42.4607898
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341 U1419 C	6 H	3 A	142	49.93	42.6916479
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341 U1419 C	6 H	4 A	7	50.04	42.7857012
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341 U1419 C	6 H	4 A	9	50.06	42.8028018
341 U1419 C	6 H	4 A	10	50.07	42.8113521
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341 U1419 C	6 H	4 A	12	50.09	42.8284527
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341 U1419 C	6 H	4 A	15	50.12	42.8541036
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341 U1419 C	6 H	4 A	30	50.27	42.9823581
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341 U1419 C	6 H	4 A	45	50.42	43.1106126
341 U1419 C	6 H	4 A	46	50.43	43.1191629
341 U1419 C	6 H	4 A	47	50.44	43.1277132
341 U1419 C	6 H	4 A	48	50.45	43.1362635
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341 U1419 C	6 H	4 A	51	50.48	43.1619144
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341 U1419 C	6 H	4 A	57	50.54	43.2132162
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341 U1419 C	6 H	4 A	59	50.56	43.2303168
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341 U1419 C	6 H	4 A	61	50.58	43.2474174
341 U1419 C	6 H	4 A	62	50.59	43.2559677
341 U1419 C	6 H	4 A	63	50.6	43.264518
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341 U1419 C	6 H	4 A	97	50.94	43.5552282
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341 U1419 C	6 H	4 A	100	50.97	43.5808791

341 U1419 C	6 H	4 A	101	50.98	43.5894294
341 U1419 C	6 H	4 A	102	50.99	43.5979797
341 U1419 C	6 H	4 A	103	51	43.60653
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341 U1419 C	6 H	4 A	128	51.25	43.8202875
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341 U1419 C	6 H	4 A	135	51.32	43.8801396
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341 U1419 C	6 H	4 A	137	51.34	43.8972402
341 U1419 C	6 H	4 A	138	51.35	43.9057905
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341 U1419 C	6 H	5 A	0	51.42	43.9656426
341 U1419 C	6 H	5 A	1	51.43	43.9741929
341 U1419 C	6 H	5 A	2	51.44	43.9827432

341 U1419 C	6 H	5 A	3	51.45	43.9912935
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341 U1419 C	6 H	5 A	23	51.65	44.1622995
341 U1419 C	6 H	5 A	24	51.66	44.1708498
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341 U1419 C	6 H	5 A	27	51.69	44.1965007
341 U1419 C	6 H	5 A	28	51.7	44.205051
341 U1419 C	6 H	5 A	29	51.71	44.2136013
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341 U1419 C	6 H	5 A	35	51.77	44.2649031
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341 U1419 C	6 H	5 A	37	51.79	44.2820037
341 U1419 C	6 H	5 A	38	51.8	44.290554
341 U1419 C	6 H	5 A	39	51.81	44.2991043
341 U1419 C	6 H	5 A	40	51.82	44.3076546
341 U1419 C	6 H	5 A	41	51.83	44.3162049
341 U1419 C	6 H	5 A	42	51.84	44.3247552
341 U1419 C	6 H	5 A	43	51.85	44.3333055
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341 U1419 C	6 H	5 A	61	52.03	44.4872109
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341 U1419 C	6 H	5 A	64	52.06	44.5128618
341 U1419 C	6 H	5 A	65	52.07	44.5214121
341 U1419 C	6 H	5 A	66	52.08	44.5299624
341 U1419 C	6 H	5 A	67	52.09	44.5385127
341 U1419 C	6 H	5 A	68	52.1	44.547063
341 U1419 C	6 H	5 A	69	52.11	44.5556133
341 U1419 C	6 H	5 A	70	52.12	44.5641636
341 U1419 C	6 H	5 A	71	52.13	44.5727139
341 U1419 C	6 H	5 A	72	52.14	44.5812642
341 U1419 C	6 H	5 A	73	52.15	44.5898145
341 U1419 C	6 H	5 A	74	52.16	44.5983648
341 U1419 C	6 H	5 A	75	52.17	44.6069151
341 U1419 C	6 H	5 A	76	52.18	44.6154654
341 U1419 C	6 H	5 A	77	52.19	44.6240157
341 U1419 C	6 H	5 A	78	52.2	44.632566
341 U1419 C	6 H	5 A	79	52.21	44.6411163
341 U1419 C	6 H	5 A	80	52.22	44.6496666
341 U1419 C	6 H	5 A	81	52.23	44.6582169
341 U1419 C	6 H	5 A	82	52.24	44.6667672
341 U1419 C	6 H	5 A	83	52.25	44.6753175
341 U1419 C	6 H	5 A	84	52.26	44.6838678
341 U1419 C	6 H	5 A	85	52.27	44.6924181
341 U1419 C	6 H	5 A	86	52.28	44.7009684
341 U1419 C	6 H	5 A	87	52.29	44.7095187
341 U1419 C	6 H	5 A	88	52.3	44.718069
341 U1419 C	6 H	5 A	89	52.31	44.7266193
341 U1419 C	6 H	5 A	90	52.32	44.7351696
341 U1419 C	6 H	5 A	91	52.33	44.7437199
341 U1419 C	6 H	5 A	92	52.34	44.7522702
341 U1419 C	6 H	5 A	93	52.35	44.7608205
341 U1419 C	6 H	5 A	94	52.36	44.7693708
341 U1419 C	6 H	5 A	95	52.37	44.7779211
341 U1419 C	6 H	5 A	96	52.38	44.7864714

341 U1419 C	6 H	5 A	97	52.39	44.7950217
341 U1419 C	6 H	5 A	98	52.4	44.803572
341 U1419 C	6 H	5 A	99	52.41	44.8121223
341 U1419 C	6 H	5 A	100	52.42	44.8206726
341 U1419 C	6 H	5 A	101	52.43	44.8292229
341 U1419 C	6 H	5 A	102	52.44	44.8377732
341 U1419 C	6 H	5 A	103	52.45	44.8463235
341 U1419 C	6 H	5 A	104	52.46	44.8548738
341 U1419 C	6 H	5 A	105	52.47	44.8634241
341 U1419 C	6 H	5 A	106	52.48	44.8719744
341 U1419 C	6 H	5 A	107	52.49	44.8805247
341 U1419 C	6 H	5 A	108	52.5	44.889075
341 U1419 C	6 H	5 A	109	52.51	44.8976253
341 U1419 C	6 H	5 A	110	52.52	44.9061756
341 U1419 C	6 H	5 A	111	52.53	44.9147259
341 U1419 C	6 H	5 A	112	52.54	44.9232762
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341 U1419 C	6 H	5 A	114	52.56	44.9403768
341 U1419 C	6 H	5 A	115	52.57	44.9489271
341 U1419 C	6 H	5 A	116	52.58	44.9574774
341 U1419 C	6 H	5 A	117	52.59	44.9660277
341 U1419 C	6 H	5 A	118	52.6	44.974578
341 U1419 C	6 H	5 A	119	52.61	44.9831283
341 U1419 C	6 H	5 A	120	52.62	44.9916786
341 U1419 C	6 H	5 A	121	52.63	45.0002289
341 U1419 C	6 H	5 A	122	52.64	45.0087792
341 U1419 C	6 H	5 A	123	52.65	45.0173295
341 U1419 C	6 H	5 A	124	52.66	45.0258798
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341 U1419 C	6 H	5 A	126	52.68	45.0429804
341 U1419 C	6 H	5 A	127	52.69	45.0515307
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341 U1419 C	6 H	5 A	130	52.72	45.0771816
341 U1419 C	6 H	5 A	131	52.73	45.0857319
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341 U1419 C	6 H	5 A	133	52.75	45.1028325
341 U1419 C	6 H	5 A	134	52.76	45.1113828
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341 U1419 C	6 H	5 A	136	52.78	45.1284834
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341 U1419 C	6 H	5 A	138	52.8	45.145584
341 U1419 C	6 H	5 A	139	52.81	45.1541343
341 U1419 C	6 H	5 A	140	52.82	45.1626846
341 U1419 C	6 H	5 A	141	52.83	45.1712349
341 U1419 C	6 H	5 A	142	52.84	45.1797852
341 U1419 C	6 H	5 A	143	52.85	45.1883355

341 U1419 C	6 H	5 A	144	52.86	45.1968858
341 U1419 C	6 H	5 A	145	52.87	45.2054361
341 U1419 C	6 H	5 A	146	52.88	45.2139864
341 U1419 C	6 H	5 A	147	52.89	45.2225367
341 U1419 C	6 H	6 A	0	52.9	45.231087
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341 U1419 C	6 H	6 A	5	52.95	45.2738385
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341 U1419 C	6 H	6 A	9	52.99	45.3080397
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341 U1419 C	6 H	6 A	24	53.14	45.4362942
341 U1419 C	6 H	6 A	25	53.15	45.4448445
341 U1419 C	6 H	6 A	26	53.16	45.4533948
341 U1419 C	6 H	6 A	27	53.17	45.4619451
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341 U1419 C	6 H	6 A	31	53.21	45.4961463
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341 U1419 C	6 H	6 A	34	53.24	45.5217972
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341 U1419 C	6 H	6 A	46	53.36	45.6244008
341 U1419 C	6 H	6 A	47	53.37	45.6329511
341 U1419 C	6 H	6 A	48	53.38	45.6415014
341 U1419 C	6 H	6 A	49	53.39	45.6500517
341 U1419 C	6 H	6 A	50	53.4	45.658602
341 U1419 C	6 H	6 A	51	53.41	45.6671523
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341 U1419 C	6 H	6 A	53	53.43	45.6842529
341 U1419 C	6 H	6 A	54	53.44	45.6928032
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341 U1419 C	6 H	6 A	56	53.46	45.7099038
341 U1419 C	6 H	6 A	57	53.47	45.7184541
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341 U1419 C	6 H	6 A	59	53.49	45.7355547
341 U1419 C	6 H	6 A	60	53.5	45.744105
341 U1419 C	6 H	6 A	61	53.51	45.7526553
341 U1419 C	6 H	6 A	62	53.52	45.7612056
341 U1419 C	6 H	6 A	63	53.53	45.7697559
341 U1419 C	6 H	6 A	64	53.54	45.7783062
341 U1419 C	6 H	6 A	65	53.55	45.7868565
341 U1419 C	6 H	6 A	66	53.56	45.7954068
341 U1419 C	6 H	6 A	67	53.57	45.8039571
341 U1419 C	6 H	6 A	68	53.58	45.8125074
341 U1419 C	6 H	6 A	69	53.59	45.8210577
341 U1419 C	6 H	6 A	70	53.6	45.829608
341 U1419 C	6 H	6 A	71	53.61	45.8381583
341 U1419 C	6 H	6 A	72	53.62	45.8467086
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341 U1419 C	6 H	6 A	74	53.64	45.8638092
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341 U1419 C	6 H	6 A	76	53.66	45.8809098
341 U1419 C	6 H	6 A	77	53.67	45.8894601
341 U1419 C	6 H	6 A	78	53.68	45.8980104
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341 U1419 C	6 H	6 A	82	53.72	45.9322116
341 U1419 C	6 H	6 A	83	53.73	45.9407619
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341 U1419 C	6 H	6 A	85	53.75	45.9578625
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341 U1419 C	6 H	6 A	92	53.82	46.0177146
341 U1419 C	6 H	6 A	93	53.83	46.0262649
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341 U1419 C	6 H	6 A	96	53.86	46.0519158
341 U1419 C	6 H	6 A	97	53.87	46.0604661
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341 U1419 C	6 H	6 A	99	53.89	46.0775667
341 U1419 C	6 H	6 A	100	53.9	46.086117
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341 U1419 C	6 H	6 A	104	53.94	46.1203182
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341 U1419 C	6 H	6 A	111	54.01	46.1801703
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341 U1419 C	6 H	6 A	113	54.03	46.1972709
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341 U1419 C	6 H	6 A	116	54.06	46.2229218
341 U1419 C	6 H	6 A	117	54.07	46.2314721
341 U1419 C	6 H	6 A	118	54.08	46.2400224
341 U1419 C	6 H	6 A	119	54.09	46.2485727
341 U1419 C	6 H	6 A	120	54.1	46.257123
341 U1419 C	6 H	6 A	121	54.11	46.2656733
341 U1419 C	6 H	6 A	122	54.12	46.2742236
341 U1419 C	6 H	6 A	123	54.13	46.2827739
341 U1419 C	6 H	6 A	124	54.14	46.2913242
341 U1419 C	6 H	6 A	125	54.15	46.2998745
341 U1419 C	6 H	6 A	126	54.16	46.3084248
341 U1419 C	6 H	6 A	127	54.17	46.3169751
341 U1419 C	6 H	6 A	128	54.18	46.3255254
341 U1419 C	6 H	6 A	129	54.19	46.3340757
341 U1419 C	6 H	6 A	130	54.2	46.342626
341 U1419 C	6 H	6 A	131	54.21	46.3511763
341 U1419 C	6 H	6 A	132	54.22	46.3597266
341 U1419 C	6 H	6 A	133	54.23	46.3682769
341 U1419 C	6 H	6 A	134	54.24	46.3768272
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341 U1419 C	6 H	6 A	136	54.26	46.3939278

341 U1419 C	6 H	6 A	137	54.27	46.4024781
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341 U1419 C	6 H	6 A	139	54.29	46.4195787
341 U1419 C	6 H	6 A	140	54.3	46.428129
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341 U1419 C	6 H	6 A	145	54.35	46.4708805
341 U1419 C	6 H	6 A	146	54.36	46.4794308
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341 U1419 C	6 H	7 A	8	54.45	46.5563835
341 U1419 C	6 H	7 A	9	54.46	46.5649338
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341 U1419 C	6 H	7 A	11	54.48	46.5820344
341 U1419 C	6 H	7 A	12	54.49	46.5905847
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341 U1419 C	6 H	7 A	22	54.59	46.6760877
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341 U1419 C	6 H	7 A	24	54.61	46.6931883
341 U1419 C	6 H	7 A	25	54.62	46.7017386
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341 U1419 C	6 H	7 A	27	54.64	46.7188392
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341 U1419 C	6 H	7 A	37	54.74	46.8043422
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341 U1419 C	6 H	7 A	39	54.76	46.8214428
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341 U1419 C	6 H	7 A	42	54.79	46.8470937
341 U1419 C	6 H	7 A	43	54.8	46.855644
341 U1419 C	6 H	7 A	44	54.81	46.8641943
341 U1419 C	6 H	7 A	45	54.82	46.8727446
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341 U1419 C	6 H	7 A	47	54.84	46.8898452
341 U1419 C	6 H	7 A	48	54.85	46.8983955
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341 U1419 C	6 H	7 A	55	54.92	46.9582476
341 U1419 C	6 H	7 A	56	54.93	46.9667979
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341 U1419 C	6 H	7 A	62	54.99	47.0180997
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341 U1419 C	6 H	7 A	66	55.03	47.0523009
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341 U1419 C	6 H	7 A	72	55.09	47.1036027
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341 U1419 C	6 H	7 A	82	55.19	47.1891057
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341 U1419 C	6 H	7 A	85	55.22	47.2147566
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341 U1419 D	9 H	3 A	52	55.34	47.3173602
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341 U1419 D	9 H	3 A	55	55.37	47.3430111
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341 U1419 D	9 H	3 A	57	55.39	47.3601117
341 U1419 D	9 H	3 A	58	55.4	47.368662
341 U1419 D	9 H	3 A	59	55.41	47.3772123
341 U1419 D	9 H	3 A	60	55.42	47.3857626
341 U1419 D	9 H	3 A	61	55.43	47.3943129
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341 U1419 D	9 H	3 A	65	55.47	47.4285141
341 U1419 D	9 H	3 A	66	55.48	47.4370644
341 U1419 D	9 H	3 A	67	55.49	47.4456147
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341 U1419 D	9 H	3 A	69	55.51	47.4627153
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341 U1419 D	9 H	3 A	71	55.53	47.4798159
341 U1419 D	9 H	3 A	72	55.54	47.4883662
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341 U1419 D	9 H	3 A	78	55.6	47.539668
341 U1419 D	9 H	3 A	79	55.61	47.5482183
341 U1419 D	9 H	3 A	80	55.62	47.5567686
341 U1419 D	9 H	3 A	81	55.63	47.5653189
341 U1419 D	9 H	3 A	82	55.64	47.5738692
341 U1419 D	9 H	3 A	83	55.65	47.5824195
341 U1419 D	9 H	3 A	84	55.66	47.5909698

341 U1419 D	9 H	3 A	85	55.67	47.5995201
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341 U1419 D	9 H	3 A	88	55.7	47.625171
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341 U1419 D	9 H	3 A	99	55.81	47.7192243
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341 U1419 D	9 H	3 A	101	55.83	47.7363249
341 U1419 D	9 H	3 A	102	55.84	47.7448752
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341 U1419 D	9 H	3 A	104	55.86	47.7619758
341 U1419 D	9 H	3 A	105	55.87	47.7705261
341 U1419 D	9 H	3 A	106	55.88	47.7790764
341 U1419 D	9 H	3 A	107	55.89	47.7876267
341 U1419 D	9 H	3 A	108	55.9	47.796177
341 U1419 D	9 H	3 A	109	55.91	47.8047273
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341 U1419 D	9 H	3 A	112	55.94	47.8303782
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341 U1419 D	9 H	3 A	125	56.07	47.9415321
341 U1419 D	9 H	3 A	126	56.08	47.9500824
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341 U1419 D	9 H	3 A	129	56.11	47.9757333
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341 U1419 D	9 H	3 A	134	56.16	48.0184848
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341 U1419 D	9 H	3 A	140	56.22	48.0697866
341 U1419 D	9 H	3 A	141	56.23	48.0783369
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341 U1419 D	9 H	4 A	10	56.39	48.2151417
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341 U1419 D	9 H	4 A	127	57.56	49.2155268
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341 U1419 D	9 H	5 A	2	57.82	49.4378346
341 U1419 D	9 H	5 A	3	57.83	49.4463849
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341 U1419 D	9 H	5 A	5	57.85	49.4634855
341 U1419 D	9 H	5 A	6	57.86	49.4720358
341 U1419 D	9 H	5 A	7	57.87	49.4805861
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341 U1419 D	9 H	5 A	31	58.11	49.6857933
341 U1419 D	9 H	5 A	32	58.12	49.6943436
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341 U1419 D	9 H	5 A	61	58.41	49.9423023
341 U1419 D	9 H	5 A	62	58.42	49.9508526
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341 U1419 D	9 H	6 A	5	58.62	50.1218586
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341 U1419 D	9 H	6 A	19	58.76	50.2415628
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341 U1419 D	9 H	6 A	21	58.78	50.2586634
341 U1419 D	9 H	6 A	22	58.79	50.2672137
341 U1419 D	9 H	6 A	23	58.8	50.275764
341 U1419 D	9 H	6 A	24	58.81	50.2843143
341 U1419 D	9 H	6 A	25	58.82	50.2928646
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341 U1419 D	9 H	6 A	27	58.84	50.3099652
341 U1419 D	9 H	6 A	28	58.85	50.3185155
341 U1419 D	9 H	6 A	29	58.86	50.3270658
341 U1419 D	9 H	6 A	30	58.87	50.3356161
341 U1419 D	9 H	6 A	31	58.88	50.3441664
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341 U1419 D	9 H	6 A	45	59.02	50.4638706
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341 U1419 D	9 H	6 A	48	59.05	50.4895215
341 U1419 D	9 H	6 A	49	59.06	50.4980718
341 U1419 D	9 H	6 A	50	59.07	50.5066221
341 U1419 D	9 H	6 A	51	59.08	50.5151724
341 U1419 D	9 H	6 A	52	59.09	50.5237227
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341 U1419 D	9 H	6 A	60	59.17	50.5921251
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341 U1419 D	9 H	6 A	62	59.19	50.6092257
341 U1419 D	9 H	6 A	63	59.2	50.617776
341 U1419 D	9 H	6 A	64	59.21	50.6263263
341 U1419 D	9 H	6 A	65	59.22	50.6348766
341 U1419 D	9 H	6 A	66	59.23	50.6434269
341 U1419 D	9 H	6 A	67	59.24	50.6519772
341 U1419 D	9 H	6 A	68	59.25	50.6605275
341 U1419 D	9 H	6 A	69	59.26	50.6690778
341 U1419 D	9 H	6 A	70	59.27	50.6776281
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341 U1419 D	9 H	6 A	72	59.29	50.6947287
341 U1419 D	9 H	6 A	73	59.3	50.703279
341 U1419 D	9 H	6 A	74	59.31	50.7118293
341 U1419 D	9 H	6 A	75	59.32	50.7203796
341 U1419 D	9 H	6 A	76	59.33	50.7289299
341 U1419 D	9 H	6 A	77	59.34	50.7374802
341 U1419 D	9 H	6 A	78	59.35	50.7460305
341 U1419 D	9 H	6 A	79	59.36	50.7545808
341 U1419 D	9 H	7 A	0	59.37	50.7631311
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341 U1419 D	9 H	7 A	2	59.39	50.7802317
341 U1419 D	9 H	7 A	3	59.4	50.788782
341 U1419 D	9 H	7 A	4	59.41	50.7973323
341 U1419 D	9 H	7 A	5	59.42	50.8058826

341 U1419 D	9 H	7 A	6	59.43	50.8144329
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341 U1419 D	9 H	7 A	8	59.45	50.8315335
341 U1419 D	9 H	7 A	9	59.46	50.8400838
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341 U1419 D	9 H	7 A	13	59.5	50.874285
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341 U1419 D	9 H	7 A	55	59.92	51.2333976
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341 U1419 B	7 H	2 A	12	60.16	51.4386048
341 U1419 B	7 H	2 A	13	60.17	51.4471551
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341 U1419 B	7 H	2 A	15	60.19	51.4642557
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341 U1419 B	7 H	2 A	24	60.28	51.5412084
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341 U1419 B	7 H	2 A	26	60.3	51.558309
341 U1419 B	7 H	2 A	27	60.31	51.5668593
341 U1419 B	7 H	2 A	28	60.32	51.5754096
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341 U1419 B	7 H	2 A	31	60.35	51.6010605

341 U1419 B	7 H	2 A	32	60.36	51.6096108
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341 U1419 B	7 H	2 A	34	60.38	51.6267114
341 U1419 B	7 H	2 A	35	60.39	51.6352617
341 U1419 B	7 H	2 A	36	60.4	51.643812
341 U1419 B	7 H	2 A	37	60.41	51.6523623
341 U1419 B	7 H	2 A	38	60.42	51.6609126
341 U1419 B	7 H	2 A	39	60.43	51.6694629
341 U1419 B	7 H	2 A	40	60.44	51.6780132
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341 U1419 B	7 H	2 A	42	60.46	51.6951138
341 U1419 B	7 H	2 A	43	60.47	51.7036641
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341 U1419 B	7 H	2 A	52	60.56	51.7806168
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341 U1419 B	7 H	2 A	54	60.58	51.7977174
341 U1419 B	7 H	2 A	55	60.59	51.8062677
341 U1419 B	7 H	2 A	56	60.6	51.814818
341 U1419 B	7 H	2 A	57	60.61	51.8233683
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341 U1419 B	7 H	2 A	61	60.65	51.8575695
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341 U1419 B	7 H	2 A	64	60.68	51.8832204
341 U1419 B	7 H	2 A	65	60.69	51.8917707
341 U1419 B	7 H	2 A	66	60.7	51.900321
341 U1419 B	7 H	2 A	67	60.71	51.9088713
341 U1419 B	7 H	2 A	68	60.72	51.9174216
341 U1419 B	7 H	2 A	69	60.73	51.9259719
341 U1419 B	7 H	2 A	70	60.74	51.9345222
341 U1419 B	7 H	2 A	71	60.75	51.9430725
341 U1419 B	7 H	2 A	72	60.76	51.9516228
341 U1419 B	7 H	2 A	73	60.77	51.9601731
341 U1419 B	7 H	2 A	74	60.78	51.9687234
341 U1419 B	7 H	2 A	75	60.79	51.9772737
341 U1419 B	7 H	2 A	76	60.8	51.985824
341 U1419 B	7 H	2 A	77	60.81	51.9943743
341 U1419 B	7 H	2 A	78	60.82	52.0029246

341 U1419 B	7 H	2 A	79	60.83	52.0114749
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341 U1419 B	7 H	2 A	84	60.88	52.0542264
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341 U1419 B	7 H	2 A	86	60.9	52.071327
341 U1419 B	7 H	2 A	87	60.91	52.0798773
341 U1419 B	7 H	2 A	88	60.92	52.0884276
341 U1419 B	7 H	2 A	89	60.93	52.0969779
341 U1419 B	7 H	2 A	90	60.94	52.1055282
341 U1419 B	7 H	2 A	91	60.95	52.1140785
341 U1419 B	7 H	2 A	92	60.96	52.1226288
341 U1419 B	7 H	2 A	93	60.97	52.1311791
341 U1419 B	7 H	2 A	94	60.98	52.1397294
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341 U1419 B	7 H	2 A	99	61.03	52.1824809
341 U1419 B	7 H	2 A	100	61.04	52.1910312
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341 U1419 B	7 H	2 A	102	61.06	52.2081318
341 U1419 B	7 H	2 A	103	61.07	52.2166821
341 U1419 B	7 H	2 A	104	61.08	52.2252324
341 U1419 B	7 H	2 A	105	61.09	52.2337827
341 U1419 B	7 H	2 A	106	61.1	52.242333
341 U1419 B	7 H	2 A	107	61.11	52.2508833
341 U1419 B	7 H	2 A	108	61.12	52.2594336
341 U1419 B	7 H	2 A	109	61.13	52.2679839
341 U1419 B	7 H	2 A	110	61.14	52.2765342
341 U1419 B	7 H	2 A	111	61.15	52.2850845
341 U1419 B	7 H	2 A	112	61.16	52.2936348
341 U1419 B	7 H	2 A	113	61.17	52.3021851
341 U1419 B	7 H	2 A	114	61.18	52.3107354
341 U1419 B	7 H	2 A	115	61.19	52.3192857
341 U1419 B	7 H	2 A	116	61.2	52.327836
341 U1419 B	7 H	2 A	117	61.21	52.3363863
341 U1419 B	7 H	2 A	118	61.22	52.3449366
341 U1419 B	7 H	2 A	119	61.23	52.3534869
341 U1419 B	7 H	2 A	120	61.24	52.3620372
341 U1419 B	7 H	2 A	121	61.25	52.3705875
341 U1419 B	7 H	2 A	122	61.26	52.3791378
341 U1419 B	7 H	2 A	123	61.27	52.3876881
341 U1419 B	7 H	2 A	124	61.28	52.3962384
341 U1419 B	7 H	2 A	125	61.29	52.4047887

341 U1419 B	7 H	2 A	126	61.3	52.413339
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341 U1419 B	7 H	2 A	128	61.32	52.4304396
341 U1419 B	7 H	2 A	129	61.33	52.4389899
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341 U1419 B	7 H	2 A	132	61.36	52.4646408
341 U1419 B	7 H	2 A	133	61.37	52.4731911
341 U1419 B	7 H	2 A	134	61.38	52.4817414
341 U1419 B	7 H	2 A	135	61.39	52.4902917
341 U1419 B	7 H	2 A	136	61.4	52.498842
341 U1419 B	7 H	2 A	137	61.41	52.5073923
341 U1419 B	7 H	2 A	138	61.42	52.5159426
341 U1419 B	7 H	2 A	139	61.43	52.5244929
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341 U1419 B	7 H	2 A	141	61.45	52.5415935
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341 U1419 B	7 H	3 A	0	61.48	52.5672444
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341 U1419 B	7 H	3 A	4	61.52	52.6014456
341 U1419 B	7 H	3 A	5	61.53	52.6099959
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341 U1419 B	7 H	3 A	18	61.66	52.7211498
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341 U1419 B	7 H	3 A	20	61.68	52.7382504
341 U1419 B	7 H	3 A	21	61.69	52.7468007
341 U1419 B	7 H	3 A	22	61.7	52.755351
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341 U1419 B	7 H	3 A	32	61.8	52.840854
341 U1419 B	7 H	3 A	33	61.81	52.8494043
341 U1419 B	7 H	3 A	34	61.82	52.8579546
341 U1419 B	7 H	3 A	35	61.83	52.8665049
341 U1419 B	7 H	3 A	36	61.84	52.8750552
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341 U1419 B	7 H	3 A	40	61.88	52.9092564
341 U1419 B	7 H	3 A	41	61.89	52.9178067
341 U1419 B	7 H	3 A	42	61.9	52.926357
341 U1419 B	7 H	3 A	43	61.91	52.9349073
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341 U1419 B	7 H	3 A	51	61.99	53.0033097
341 U1419 B	7 H	3 A	52	62	53.01186
341 U1419 B	7 H	3 A	53	62.01	53.0204103
341 U1419 B	7 H	3 A	54	62.02	53.0289606
341 U1419 B	7 H	3 A	55	62.03	53.0375109
341 U1419 B	7 H	3 A	56	62.04	53.0460612
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341 U1419 B	7 H	3 A	58	62.06	53.0631618
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341 U1419 B	7 H	3 A	62	62.1	53.097363
341 U1419 B	7 H	3 A	63	62.11	53.1059133
341 U1419 B	7 H	3 A	64	62.12	53.1144636
341 U1419 B	7 H	3 A	65	62.13	53.1230139
341 U1419 B	7 H	3 A	66	62.14	53.1315642
341 U1419 B	7 H	3 A	67	62.15	53.1401145
341 U1419 B	7 H	3 A	68	62.16	53.1486648
341 U1419 B	7 H	3 A	69	62.17	53.1572151
341 U1419 B	7 H	3 A	70	62.18	53.1657654
341 U1419 B	7 H	3 A	71	62.19	53.1743157
341 U1419 B	7 H	3 A	72	62.2	53.182866
341 U1419 B	7 H	3 A	73	62.21	53.1914163
341 U1419 B	7 H	3 A	74	62.22	53.1999666
341 U1419 B	7 H	3 A	75	62.23	53.2085169

341 U1419 B	7 H	3 A	76	62.24	53.2170672
341 U1419 B	7 H	3 A	77	62.25	53.2256175
341 U1419 B	7 H	3 A	78	62.26	53.2341678
341 U1419 B	7 H	3 A	79	62.27	53.2427181
341 U1419 B	7 H	3 A	80	62.28	53.2512684
341 U1419 B	7 H	3 A	81	62.29	53.2598187
341 U1419 B	7 H	3 A	82	62.3	53.268369
341 U1419 B	7 H	3 A	83	62.31	53.2769193
341 U1419 B	7 H	3 A	84	62.32	53.2854696
341 U1419 B	7 H	3 A	85	62.33	53.2940199
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341 U1419 B	7 H	3 A	91	62.39	53.3453217
341 U1419 B	7 H	3 A	92	62.4	53.353872
341 U1419 B	7 H	3 A	93	62.41	53.3624223
341 U1419 B	7 H	3 A	94	62.42	53.3709726
341 U1419 B	7 H	3 A	95	62.43	53.3795229
341 U1419 B	7 H	3 A	96	62.44	53.3880732
341 U1419 B	7 H	3 A	97	62.45	53.3966235
341 U1419 B	7 H	3 A	98	62.46	53.4051738
341 U1419 B	7 H	3 A	99	62.47	53.4137241
341 U1419 B	7 H	3 A	100	62.48	53.4222744
341 U1419 B	7 H	3 A	101	62.49	53.4308247
341 U1419 B	7 H	3 A	102	62.5	53.439375
341 U1419 B	7 H	3 A	103	62.51	53.4479253
341 U1419 B	7 H	3 A	104	62.52	53.4564756
341 U1419 B	7 H	3 A	105	62.53	53.4650259
341 U1419 B	7 H	3 A	106	62.54	53.4735762
341 U1419 B	7 H	3 A	107	62.55	53.4821265
341 U1419 B	7 H	3 A	108	62.56	53.4906768
341 U1419 B	7 H	3 A	109	62.57	53.4992271
341 U1419 B	7 H	3 A	110	62.58	53.5077774
341 U1419 B	7 H	3 A	111	62.59	53.5163277
341 U1419 B	7 H	3 A	112	62.6	53.524878
341 U1419 B	7 H	3 A	113	62.61	53.5334283
341 U1419 B	7 H	3 A	114	62.62	53.5419786
341 U1419 B	7 H	3 A	115	62.63	53.5505289
341 U1419 B	7 H	3 A	116	62.64	53.5590792
341 U1419 B	7 H	3 A	117	62.65	53.5676295
341 U1419 B	7 H	3 A	118	62.66	53.5761798
341 U1419 B	7 H	3 A	119	62.67	53.5847301
341 U1419 B	7 H	3 A	120	62.68	53.5932804
341 U1419 B	7 H	3 A	121	62.69	53.6018307
341 U1419 B	7 H	3 A	122	62.7	53.610381

341 U1419 B	7 H	3 A	123	62.71	53.6189313
341 U1419 B	7 H	3 A	124	62.72	53.6274816
341 U1419 B	7 H	3 A	125	62.73	53.6360319
341 U1419 B	7 H	3 A	126	62.74	53.6445822
341 U1419 B	7 H	3 A	127	62.75	53.6531325
341 U1419 B	7 H	3 A	128	62.76	53.6616828
341 U1419 B	7 H	3 A	129	62.77	53.6702331
341 U1419 B	7 H	3 A	130	62.78	53.6787834
341 U1419 B	7 H	3 A	131	62.79	53.6873337
341 U1419 B	7 H	3 A	132	62.8	53.695884
341 U1419 B	7 H	3 A	133	62.81	53.7044343
341 U1419 B	7 H	3 A	134	62.82	53.7129846
341 U1419 B	7 H	3 A	135	62.83	53.7215349
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341 U1419 B	7 H	3 A	139	62.87	53.7557361
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341 U1419 B	7 H	3 A	141	62.89	53.7728367
341 U1419 B	7 H	3 A	142	62.9	53.781387
341 U1419 B	7 H	3 A	143	62.91	53.7899373
341 U1419 B	7 H	3 A	144	62.92	53.7984876
341 U1419 B	7 H	3 A	145	62.93	53.8070379
341 U1419 B	7 H	3 A	146	62.94	53.8155882
341 U1419 B	7 H	4 A	0	62.95	53.8241385
341 U1419 B	7 H	4 A	1	62.96	53.8326888
341 U1419 B	7 H	4 A	2	62.97	53.8412391
341 U1419 B	7 H	4 A	3	62.98	53.8497894
341 U1419 B	7 H	4 A	4	62.99	53.8583397
341 U1419 B	7 H	4 A	5	63	53.86689
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341 U1419 B	7 H	4 A	7	63.02	53.8839906
341 U1419 B	7 H	4 A	8	63.03	53.8925409
341 U1419 B	7 H	4 A	9	63.04	53.9010912
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341 U1419 B	7 H	4 A	12	63.07	53.9267421
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341 U1419 B	7 H	4 A	15	63.1	53.952393
341 U1419 B	7 H	4 A	16	63.11	53.9609433
341 U1419 B	7 H	4 A	17	63.12	53.9694936
341 U1419 B	7 H	4 A	18	63.13	53.9780439
341 U1419 B	7 H	4 A	19	63.14	53.9865942
341 U1419 B	7 H	4 A	20	63.15	53.9951445
341 U1419 B	7 H	4 A	21	63.16	54.0036948
341 U1419 B	7 H	4 A	22	63.17	54.0122451

341 U1419 B	7 H	4 A	23	63.18	54.0207954
341 U1419 B	7 H	4 A	24	63.19	54.0293457
341 U1419 B	7 H	4 A	25	63.2	54.037896
341 U1419 B	7 H	4 A	26	63.21	54.0464463
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341 U1419 B	7 H	4 A	29	63.24	54.0720972
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341 U1419 B	7 H	4 A	34	63.29	54.1148487
341 U1419 B	7 H	4 A	35	63.3	54.123399
341 U1419 B	7 H	4 A	36	63.31	54.1319493
341 U1419 B	7 H	4 A	37	63.32	54.1404996
341 U1419 B	7 H	4 A	38	63.33	54.1490499
341 U1419 B	7 H	4 A	39	63.34	54.1576002
341 U1419 B	7 H	4 A	40	63.35	54.1661505
341 U1419 B	7 H	4 A	41	63.36	54.1747008
341 U1419 B	7 H	4 A	42	63.37	54.1832511
341 U1419 B	7 H	4 A	43	63.38	54.1918014
341 U1419 B	7 H	4 A	44	63.39	54.2003517
341 U1419 B	7 H	4 A	45	63.4	54.208902
341 U1419 B	7 H	4 A	46	63.41	54.2174523
341 U1419 B	7 H	4 A	47	63.42	54.2260026
341 U1419 B	7 H	4 A	48	63.43	54.2345529
341 U1419 B	7 H	4 A	49	63.44	54.2431032
341 U1419 B	7 H	4 A	50	63.45	54.2516535
341 U1419 B	7 H	4 A	51	63.46	54.2602038
341 U1419 B	7 H	4 A	52	63.47	54.2687541
341 U1419 B	7 H	4 A	53	63.48	54.2773044
341 U1419 B	7 H	4 A	54	63.49	54.2858547
341 U1419 B	7 H	4 A	55	63.5	54.294405
341 U1419 B	7 H	4 A	56	63.51	54.3029553
341 U1419 B	7 H	4 A	57	63.52	54.3115056
341 U1419 B	7 H	4 A	58	63.53	54.3200559
341 U1419 B	7 H	4 A	59	63.54	54.3286062
341 U1419 B	7 H	4 A	60	63.55	54.3371565
341 U1419 B	7 H	4 A	61	63.56	54.3457068
341 U1419 B	7 H	4 A	62	63.57	54.3542571
341 U1419 B	7 H	4 A	63	63.58	54.3628074
341 U1419 B	7 H	4 A	64	63.59	54.3713577
341 U1419 B	7 H	4 A	65	63.6	54.379908
341 U1419 B	7 H	4 A	66	63.61	54.3884583
341 U1419 B	7 H	4 A	67	63.62	54.3970086
341 U1419 B	7 H	4 A	68	63.63	54.4055589
341 U1419 B	7 H	4 A	69	63.64	54.4141092

341 U1419 B	7 H	4 A	70	63.65	54.4226595
341 U1419 B	7 H	4 A	71	63.66	54.4312098
341 U1419 B	7 H	4 A	72	63.67	54.4397601
341 U1419 B	7 H	4 A	73	63.68	54.4483104
341 U1419 B	7 H	4 A	74	63.69	54.4568607
341 U1419 B	7 H	4 A	75	63.7	54.465411
341 U1419 B	7 H	4 A	76	63.71	54.4739613
341 U1419 B	7 H	4 A	77	63.72	54.4825116
341 U1419 B	7 H	4 A	78	63.73	54.4910619
341 U1419 B	7 H	4 A	79	63.74	54.4996122
341 U1419 B	7 H	4 A	80	63.75	54.5081625
341 U1419 B	7 H	4 A	81	63.76	54.5167128
341 U1419 B	7 H	4 A	82	63.77	54.5252631
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341 U1419 B	7 H	4 A	90	63.85	54.5936655
341 U1419 B	7 H	4 A	91	63.86	54.6022158
341 U1419 B	7 H	4 A	92	63.87	54.6107661
341 U1419 B	7 H	4 A	93	63.88	54.6193164
341 U1419 B	7 H	4 A	94	63.89	54.6278667
341 U1419 B	7 H	4 A	95	63.9	54.636417
341 U1419 B	7 H	4 A	96	63.91	54.6449673
341 U1419 B	7 H	4 A	97	63.92	54.6535176
341 U1419 B	7 H	4 A	98	63.93	54.6620679
341 U1419 B	7 H	4 A	99	63.94	54.6706182
341 U1419 B	7 H	4 A	100	63.95	54.6791685
341 U1419 B	7 H	4 A	101	63.96	54.6877188
341 U1419 B	7 H	4 A	102	63.97	54.6962691
341 U1419 B	7 H	4 A	103	63.98	54.7048194
341 U1419 B	7 H	4 A	104	63.99	54.7133697
341 U1419 B	7 H	4 A	105	64	54.72192
341 U1419 B	7 H	4 A	106	64.01	54.7304703
341 U1419 B	7 H	4 A	107	64.02	54.7390206
341 U1419 B	7 H	4 A	108	64.03	54.7475709
341 U1419 B	7 H	4 A	109	64.04	54.7561212
341 U1419 B	7 H	4 A	110	64.05	54.7646715
341 U1419 B	7 H	4 A	111	64.06	54.7732218
341 U1419 B	7 H	4 A	112	64.07	54.7817721
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341 U1419 B	7 H	4 A	114	64.09	54.7988727
341 U1419 B	7 H	4 A	115	64.1	54.807423
341 U1419 B	7 H	4 A	116	64.11	54.8159733

341 U1419 B	7 H	4 A	117	64.12	54.8245236
341 U1419 B	7 H	4 A	118	64.13	54.8330739
341 U1419 B	7 H	4 A	119	64.14	54.8416242
341 U1419 B	7 H	4 A	120	64.15	54.8501745
341 U1419 B	7 H	4 A	121	64.16	54.8587248
341 U1419 B	7 H	4 A	122	64.17	54.8672751
341 U1419 B	7 H	4 A	123	64.18	54.8758254
341 U1419 B	7 H	4 A	124	64.19	54.8843757
341 U1419 B	7 H	4 A	125	64.2	54.892926
341 U1419 B	7 H	4 A	126	64.21	54.9014763
341 U1419 B	7 H	4 A	127	64.22	54.9100266
341 U1419 B	7 H	4 A	128	64.23	54.9185769
341 U1419 B	7 H	4 A	129	64.24	54.9271272
341 U1419 B	7 H	4 A	130	64.25	54.9356775
341 U1419 B	7 H	4 A	131	64.26	54.9442278
341 U1419 B	7 H	4 A	132	64.27	54.9527781
341 U1419 B	7 H	4 A	133	64.28	54.9613284
341 U1419 B	7 H	4 A	134	64.29	54.9698787
341 U1419 B	7 H	4 A	135	64.3	54.978429
341 U1419 B	7 H	4 A	136	64.31	54.9869793
341 U1419 B	7 H	4 A	137	64.32	54.9955296
341 U1419 B	7 H	4 A	138	64.33	55.0040799
341 U1419 B	7 H	4 A	139	64.34	55.0126302
341 U1419 B	7 H	4 A	140	64.35	55.0211805
341 U1419 B	7 H	4 A	141	64.36	55.0297308
341 U1419 B	7 H	4 A	142	64.37	55.0382811
341 U1419 B	7 H	4 A	143	64.38	55.0468314
341 U1419 B	7 H	4 A	144	64.39	55.0553817
341 U1419 B	7 H	4 A	145	64.4	55.063932
341 U1419 B	7 H	4 A	146	64.41	55.0724823
341 U1419 B	7 H	5 A	0	64.42	55.0810326
341 U1419 B	7 H	5 A	1	64.43	55.0895829
341 U1419 B	7 H	5 A	2	64.44	55.0981332
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341 U1419 B	7 H	5 A	5	64.47	55.1237841
341 U1419 B	7 H	5 A	6	64.48	55.1323344
341 U1419 B	7 H	5 A	7	64.49	55.1408847
341 U1419 B	7 H	5 A	8	64.5	55.149435
341 U1419 B	7 H	5 A	9	64.51	55.1579853
341 U1419 B	7 H	5 A	10	64.52	55.1665356
341 U1419 B	7 H	5 A	11	64.53	55.1750859
341 U1419 B	7 H	5 A	12	64.54	55.1836362
341 U1419 B	7 H	5 A	13	64.55	55.1921865
341 U1419 B	7 H	5 A	14	64.56	55.2007368
341 U1419 B	7 H	5 A	15	64.57	55.2092871
341 U1419 B	7 H	5 A	16	64.58	55.2178374

341 U1419 B	7 H	5 A	17	64.59	55.2263877
341 U1419 B	7 H	5 A	18	64.6	55.234938
341 U1419 B	7 H	5 A	19	64.61	55.2434883
341 U1419 B	7 H	5 A	20	64.62	55.2520386
341 U1419 B	7 H	5 A	21	64.63	55.2605889
341 U1419 B	7 H	5 A	22	64.64	55.2691392
341 U1419 B	7 H	5 A	23	64.65	55.2776895
341 U1419 B	7 H	5 A	24	64.66	55.2862398
341 U1419 B	7 H	5 A	25	64.67	55.2947901
341 U1419 B	7 H	5 A	26	64.68	55.3033404
341 U1419 B	7 H	5 A	27	64.69	55.3118907
341 U1419 B	7 H	5 A	28	64.7	55.320441
341 U1419 B	7 H	5 A	29	64.71	55.3289913
341 U1419 B	7 H	5 A	30	64.72	55.3375416
341 U1419 B	7 H	5 A	31	64.73	55.3460919
341 U1419 B	7 H	5 A	32	64.74	55.3546422
341 U1419 B	7 H	5 A	33	64.75	55.3631925
341 U1419 B	7 H	5 A	34	64.76	55.3717428
341 U1419 B	7 H	5 A	35	64.77	55.3802931
341 U1419 B	7 H	5 A	36	64.78	55.3888434
341 U1419 B	7 H	5 A	37	64.79	55.3973937
341 U1419 B	7 H	5 A	38	64.8	55.405944
341 U1419 B	7 H	5 A	39	64.81	55.4144943
341 U1419 B	7 H	5 A	40	64.82	55.4230446
341 U1419 B	7 H	5 A	41	64.83	55.4315949
341 U1419 B	7 H	5 A	42	64.84	55.4401452
341 U1419 B	7 H	5 A	43	64.85	55.4486955
341 U1419 B	7 H	5 A	44	64.86	55.4572458
341 U1419 B	7 H	5 A	45	64.87	55.4657961
341 U1419 B	7 H	5 A	46	64.88	55.4743464
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341 U1419 B	7 H	5 A	49	64.91	55.4999973
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341 U1419 B	7 H	5 A	52	64.94	55.5256482
341 U1419 B	7 H	5 A	53	64.95	55.5341985
341 U1419 B	7 H	5 A	54	64.96	55.5427488
341 U1419 B	7 H	5 A	55	64.97	55.5512991
341 U1419 B	7 H	5 A	56	64.98	55.5598494
341 U1419 B	7 H	5 A	57	64.99	55.5683997
341 U1419 B	7 H	5 A	58	65	55.57695
341 U1419 B	7 H	5 A	59	65.01	55.5855003
341 U1419 B	7 H	5 A	60	65.02	55.5940506
341 U1419 B	7 H	5 A	61	65.03	55.6026009
341 U1419 B	7 H	5 A	62	65.04	55.6111512
341 U1419 B	7 H	5 A	63	65.05	55.6197015

341 U1419 B	7 H	5 A	64	65.06	55.6282518
341 U1419 B	7 H	5 A	65	65.07	55.6368021
341 U1419 B	7 H	5 A	66	65.08	55.6453524
341 U1419 B	7 H	5 A	67	65.09	55.6539027
341 U1419 B	7 H	5 A	68	65.1	55.662453
341 U1419 B	7 H	5 A	69	65.11	55.6710033
341 U1419 B	7 H	5 A	70	65.12	55.6795536
341 U1419 B	7 H	5 A	71	65.13	55.6881039
341 U1419 B	7 H	5 A	72	65.14	55.6966542
341 U1419 B	7 H	5 A	73	65.15	55.7052045
341 U1419 B	7 H	5 A	74	65.16	55.7137548
341 U1419 B	7 H	5 A	75	65.17	55.7223051
341 U1419 B	7 H	5 A	76	65.18	55.7308554
341 U1419 B	7 H	5 A	77	65.19	55.7394057
341 U1419 B	7 H	5 A	78	65.2	55.747956
341 U1419 B	7 H	5 A	79	65.21	55.7565063
341 U1419 B	7 H	5 A	80	65.22	55.7650566
341 U1419 B	7 H	5 A	81	65.23	55.7736069
341 U1419 B	7 H	5 A	82	65.24	55.7821572
341 U1419 B	7 H	5 A	83	65.25	55.7907075
341 U1419 B	7 H	5 A	84	65.26	55.7992578
341 U1419 B	7 H	5 A	85	65.27	55.8078081
341 U1419 B	7 H	5 A	86	65.28	55.8163584
341 U1419 B	7 H	5 A	87	65.29	55.8249087
341 U1419 B	7 H	5 A	88	65.3	55.833459
341 U1419 B	7 H	5 A	89	65.31	55.8420093
341 U1419 B	7 H	5 A	90	65.32	55.8505596
341 U1419 B	7 H	5 A	91	65.33	55.8591099
341 U1419 B	7 H	5 A	92	65.34	55.8676602
341 U1419 B	7 H	5 A	93	65.35	55.8762105
341 U1419 B	7 H	5 A	94	65.36	55.8847608
341 U1419 B	7 H	5 A	95	65.37	55.8933111
341 U1419 B	7 H	5 A	96	65.38	55.9018614
341 U1419 B	7 H	5 A	97	65.39	55.9104117
341 U1419 B	7 H	5 A	98	65.4	55.918962
341 U1419 B	7 H	5 A	99	65.41	55.9275123
341 U1419 B	7 H	5 A	100	65.42	55.9360626
341 U1419 B	7 H	5 A	101	65.43	55.9446129
341 U1419 B	7 H	5 A	102	65.44	55.9531632
341 U1419 B	7 H	5 A	103	65.45	55.9617135
341 U1419 B	7 H	5 A	104	65.46	55.9702638
341 U1419 B	7 H	5 A	105	65.47	55.9788141
341 U1419 B	7 H	5 A	106	65.48	55.9873644
341 U1419 B	7 H	5 A	107	65.49	55.9959147
341 U1419 B	7 H	5 A	108	65.5	56.004465
341 U1419 B	7 H	5 A	109	65.51	56.0130153
341 U1419 B	7 H	5 A	110	65.52	56.0215656

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341 U1419 B	7 H	5 A	112	65.54	56.0386662
341 U1419 B	7 H	5 A	113	65.55	56.0472165
341 U1419 B	7 H	5 A	114	65.56	56.0557668
341 U1419 B	7 H	5 A	115	65.57	56.0643171
341 U1419 B	7 H	5 A	116	65.58	56.0728674
341 U1419 B	7 H	5 A	117	65.59	56.0814177
341 U1419 B	7 H	5 A	118	65.6	56.089968
341 U1419 B	7 H	5 A	119	65.61	56.0985183
341 U1419 B	7 H	5 A	120	65.62	56.1070686
341 U1419 B	7 H	5 A	121	65.63	56.1156189
341 U1419 B	7 H	5 A	122	65.64	56.1241692
341 U1419 B	7 H	5 A	123	65.65	56.1327195
341 U1419 B	7 H	5 A	124	65.66	56.1412698
341 U1419 B	7 H	5 A	125	65.67	56.1498201
341 U1419 B	7 H	5 A	126	65.68	56.1583704
341 U1419 B	7 H	5 A	127	65.69	56.1669207
341 U1419 B	7 H	5 A	128	65.7	56.175471
341 U1419 B	7 H	5 A	129	65.71	56.1840213
341 U1419 B	7 H	5 A	130	65.72	56.1925716
341 U1419 B	7 H	5 A	131	65.73	56.2011219
341 U1419 B	7 H	5 A	132	65.74	56.2096722
341 U1419 B	7 H	5 A	133	65.75	56.2182225
341 U1419 B	7 H	5 A	134	65.76	56.2267728
341 U1419 B	7 H	5 A	135	65.77	56.2353231
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341 U1419 B	7 H	5 A	139	65.81	56.2695243
341 U1419 B	7 H	5 A	140	65.82	56.2780746
341 U1419 B	7 H	5 A	141	65.83	56.2866249
341 U1419 B	7 H	5 A	142	65.84	56.2951752
341 U1419 B	7 H	5 A	143	65.85	56.3037255
341 U1419 B	7 H	5 A	144	65.86	56.3122758
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341 U1419 B	7 H	5 A	146	65.88	56.3293764
341 U1419 B	7 H	6 A	0	65.89	56.3379267
341 U1419 B	7 H	6 A	1	65.9	56.346477
341 U1419 B	7 H	6 A	2	65.91	56.3550273
341 U1419 B	7 H	6 A	3	65.92	56.3635776
341 U1419 B	7 H	6 A	4	65.93	56.3721279
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341 U1419 B	7 H	6 A	7	65.96	56.3977788
341 U1419 B	7 H	6 A	8	65.97	56.4063291
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341 U1419 B	7 H	6 A	10	65.99	56.4234297

341 U1419 B	7 H	6 A	11	66	56.43198
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341 U1419 B	7 H	6 A	17	66.06	56.4832818
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341 U1419 B	7 H	6 A	22	66.11	56.5260333
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341 U1419 B	7 H	6 A	32	66.21	56.6115363
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341 U1419 B	7 H	6 A	35	66.24	56.6371872
341 U1419 B	7 H	6 A	36	66.25	56.6457375
341 U1419 B	7 H	6 A	37	66.26	56.6542878
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341 U1419 B	7 H	6 A	44	66.33	56.7141399
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341 U1419 B	7 H	6 A	68	66.57	56.9193471
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341 U1419 B	7 H	6 A	75	66.64	56.9791992
341 U1419 B	7 H	6 A	76	66.65	56.9877495
341 U1419 B	7 H	6 A	77	66.66	56.9962998
341 U1419 B	7 H	6 A	78	66.67	57.0048501
341 U1419 B	7 H	6 A	79	66.68	57.0134004
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341 U1419 B	7 H	6 A	83	66.72	57.0476016
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341 U1419 B	7 H	6 A	88	66.77	57.0903531
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341 U1419 B	7 H	6 A	90	66.79	57.1074537
341 U1419 B	7 H	6 A	91	66.8	57.116004
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341 U1419 B	7 H	6 A	94	66.83	57.1416549
341 U1419 B	7 H	6 A	95	66.84	57.1502052
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341 U1419 B	7 H	6 A	97	66.86	57.1673058
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341 U1419 B	7 H	6 A	101	66.9	57.201507
341 U1419 B	7 H	6 A	102	66.91	57.2100573
341 U1419 B	7 H	6 A	103	66.92	57.2186076
341 U1419 B	7 H	6 A	104	66.93	57.2271579

341 U1419 B	7 H	6 A	105	66.94	57.2357082
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341 U1419 B	7 H	6 A	107	66.96	57.2528088
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341 U1419 B	7 H	6 A	114	67.03	57.3126609
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341 U1419 B	7 H	6 A	118	67.07	57.3468621
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341 U1419 B	7 H	6 A	122	67.11	57.3810633
341 U1419 B	7 H	6 A	123	67.12	57.3896136
341 U1419 B	7 H	6 A	124	67.13	57.3981639
341 U1419 B	7 H	6 A	125	67.14	57.4067142
341 U1419 B	7 H	6 A	126	67.15	57.4152645
341 U1419 B	7 H	6 A	127	67.16	57.4238148
341 U1419 B	7 H	6 A	128	67.17	57.4323651
341 U1419 B	7 H	6 A	129	67.18	57.4409154
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341 U1419 B	7 H	6 A	139	67.28	57.5264184
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341 U1419 B	7 H	6 A	142	67.31	57.5520693
341 U1419 B	7 H	6 A	143	67.32	57.5606196
341 U1419 B	7 H	6 A	144	67.33	57.5691699
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341 U1419 B	7 H	7 A	12	67.49	57.7059747
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341 U1419 D	10 H	2 A	98	67.53	57.7401759
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341 U1419 D	10 H	2 A	123	67.78	57.9539334
341 U1419 D	10 H	2 A	124	67.79	57.9624837
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341 U1419 D	10 H	2 A	126	67.81	57.9795843
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341 U1419 D	10 H	3 A	49	68.49	58.5610047
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341 U1419 D	10 H	5 A	125	72.2	61.733166
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341 U1419 D	10 H	5 A	128	72.23	61.7588169
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341 U1419 D	10 H	5 A	134	72.29	61.8101187
341 U1419 D	10 H	5 A	135	72.3	61.818669
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341 U1419 D	10 H	5 A	138	72.33	61.8443199
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341 U1419 D	10 H	5 A	142	72.37	61.8785211
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341 U1419 D	10 H	5 A	145	72.4	61.904172
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341 U1419 D	10 H	5 A	148	72.43	61.9298229
341 U1419 D	10 H	5 A	149	72.44	61.9383732
341 U1419 D	10 H	5 A	150	72.45	61.9469235
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341 U1419 E	12 H	2 A	47	74.1	63.145388
341 U1419 E	12 H	2 A	48	74.11	63.1525948
341 U1419 E	12 H	2 A	49	74.12	63.1598016
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341 U1419 E	12 H	2 A	51	74.14	63.1742152
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341 U1419 E	12 H	2 A	53	74.16	63.1886288
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341 U1419 E	12 H	2 A	56	74.19	63.2102492
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341 U1419 E	12 H	3 A	29	75.43	64.1038924
341 U1419 E	12 H	3 A	30	75.44	64.1110992
341 U1419 E	12 H	3 A	31	75.45	64.118306
341 U1419 E	12 H	3 A	32	75.46	64.1255128
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341 U1419 E	12 H	3 A	35	75.49	64.1471332
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341 U1419 E	12 H	3 A	42	75.56	64.1975808
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341 U1419 E	12 H	5 A	47	78.61	66.3956548
341 U1419 E	12 H	5 A	48	78.62	66.4028616
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341 U1419 E	12 H	5 A	59	78.73	66.4821364
341 U1419 E	12 H	5 A	60	78.74	66.4893432
341 U1419 E	12 H	5 A	61	78.75	66.49655
341 U1419 E	12 H	5 A	62	78.76	66.5037568
341 U1419 E	12 H	5 A	63	78.77	66.5109636
341 U1419 E	12 H	5 A	64	78.78	66.5181704
341 U1419 E	12 H	5 A	65	78.79	66.5253772
341 U1419 E	12 H	5 A	66	78.8	66.532584
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341 U1419 E	12 H	5 A	68	78.82	66.5469976
341 U1419 E	12 H	5 A	69	78.83	66.5542044
341 U1419 E	12 H	5 A	70	78.84	66.5614112
341 U1419 E	12 H	5 A	71	78.85	66.568618
341 U1419 E	12 H	5 A	72	78.86	66.5758248
341 U1419 E	12 H	5 A	73	78.87	66.5830316
341 U1419 E	12 H	5 A	74	78.88	66.5902384
341 U1419 E	12 H	5 A	75	78.89	66.5974452
341 U1419 E	12 H	5 A	76	78.9	66.604652
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341 U1419 E	12 H	5 A	78	78.92	66.6190656
341 U1419 E	12 H	5 A	79	78.93	66.6262724
341 U1419 E	12 H	5 A	80	78.94	66.6334792
341 U1419 E	12 H	5 A	81	78.95	66.640686
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341 U1419 A	9 H	1 A	84	79	66.67672
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341 U1419 A	9 H	1 A	140	79.56	67.0803008
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341 U1419 A	9 H	2 A	8	79.72	67.1956096
341 U1419 A	9 H	2 A	9	79.73	67.2028164
341 U1419 A	9 H	2 A	10	79.74	67.2100232
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341 U1419 A	9 H	2 A	16	79.8	67.253264
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341 U1419 A	9 H	2 A	21	79.85	67.289298
341 U1419 A	9 H	2 A	22	79.86	67.2965048
341 U1419 A	9 H	2 A	23	79.87	67.3037116
341 U1419 A	9 H	2 A	24	79.88	67.3109184
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341 U1419 A	9 H	2 A	37	80.01	67.4046068
341 U1419 A	9 H	2 A	38	80.02	67.4118136
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341 U1419 A	9 H	2 A	49	80.13	67.4910884
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341 U1419 A	9 H	2 A	65	80.29	67.6063972
341 U1419 A	9 H	2 A	66	80.3	67.613604
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341 U1419 A	9 H	2 A	100	80.64	67.8586352
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341 U1419 A	9 H	2 A	102	80.66	67.8730488
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341 U1419 A	9 H	2 A	112	80.76	67.9451168
341 U1419 A	9 H	2 A	113	80.77	67.9523236
341 U1419 A	9 H	2 A	114	80.78	67.9595304
341 U1419 A	9 H	2 A	115	80.79	67.9667372
341 U1419 A	9 H	2 A	116	80.8	67.973944
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341 U1419 A	9 H	2 A	123	80.87	68.0243916
341 U1419 A	9 H	2 A	124	80.88	68.0315984
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341 U1419 A	9 H	2 A	136	81	68.11808

341 U1419 A	9 H	2 A	137	81.01	68.1252868
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341 U1419 A	9 H	2 A	139	81.03	68.1397004
341 U1419 A	9 H	2 A	140	81.04	68.1469072
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341 U1419 A	9 H	2 A	142	81.06	68.1613208
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341 U1419 A	9 H	2 A	144	81.08	68.1757344
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341 U1419 A	9 H	2 A	146	81.1	68.190148
341 U1419 A	9 H	2 A	147	81.11	68.1973548
341 U1419 A	9 H	2 A	148	81.12	68.2045616
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341 U1419 A	9 H	3 A	0	81.14	68.2189752
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341 U1419 A	9 H	3 A	26	81.4	68.406352
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341 U1419 A	9 H	3 A	28	81.42	68.4207656
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341 U1419 A	9 H	3 A	36	81.5	68.47842
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341 U1419 A	9 H	3 A	50	81.64	68.5793152
341 U1419 A	9 H	3 A	51	81.65	68.586522
341 U1419 B	9 H	1 A	83	81.66	68.5937288
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341 U1419 B	9 H	1 A	99	81.82	68.7090376
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341 U1419 B	9 H	1 A	105	81.88	68.7522784
341 U1419 B	9 H	1 A	106	81.89	68.7594852
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341 U1419 B	9 H	1 A	116	81.99	68.8315532
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341 U1419 B	9 H	1 A	118	82.01	68.8459668
341 U1419 B	9 H	1 A	119	82.02	68.8531736
341 U1419 B	9 H	1 A	120	82.03	68.8603804
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341 U1419 B	9 H	1 A	126	82.09	68.9036212
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341 U1419 B	9 H	1 A	137	82.2	68.982896
341 U1419 B	9 H	1 A	138	82.21	68.9901028
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341 U1419 B	9 H	1 A	140	82.23	69.0045164
341 U1419 B	9 H	2 A	0	82.24	69.0117232
341 U1419 B	9 H	2 A	1	82.25	69.01893
341 U1419 B	9 H	2 A	2	82.26	69.0261368
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341 U1419 B	9 H	2 A	4	82.28	69.0405504
341 U1419 B	9 H	2 A	5	82.29	69.0477572
341 U1419 B	9 H	2 A	6	82.3	69.054964
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341 U1419 B	9 H	2 A	8	82.32	69.0693776
341 U1419 B	9 H	2 A	9	82.33	69.0765844
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341 U1419 B	9 H	2 A	11	82.35	69.090998
341 U1419 B	9 H	2 A	12	82.36	69.0982048
341 U1419 B	9 H	2 A	13	82.37	69.1054116
341 U1419 B	9 H	2 A	14	82.38	69.1126184
341 U1419 B	9 H	2 A	15	82.39	69.1198252
341 U1419 B	9 H	2 A	16	82.4	69.127032

341 U1419 B	9 H	2 A	17	82.41	69.1342388
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341 U1419 B	9 H	2 A	20	82.44	69.1558592
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341 U1419 B	9 H	2 A	26	82.5	69.1991
341 U1419 B	9 H	2 A	27	82.51	69.2063068
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341 U1419 B	9 H	2 A	48	82.72	69.3576496
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341 U1419 B	9 H	2 A	59	82.83	69.4369244
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341 U1419 B	9 H	2 A	64	82.88	69.4729584
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341 U1419 B	9 H	2 A	66	82.9	69.487372
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341 U1419 B	9 H	2 A	71	82.95	69.523406
341 U1419 B	9 H	2 A	72	82.96	69.5306128
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341 U1419 B	9 H	2 A	95	83.19	69.6963692
341 U1419 B	9 H	2 A	96	83.2	69.703576
341 U1419 B	9 H	2 A	97	83.21	69.7107828
341 U1419 B	9 H	2 A	98	83.22	69.7179896
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341 U1419 B	9 H	2 A	101	83.25	69.73961
341 U1419 B	9 H	2 A	102	83.26	69.7468168
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341 U1419 B	9 H	2 A	105	83.29	69.7684372
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341 U1419 B	9 H	2 A	109	83.33	69.7972644
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341 U1419 B	9 H	2 A	111	83.35	69.811678
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341 U1419 B	9 H	2 A	126	83.5	69.91978
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341 U1419 B	9 H	2 A	137	83.61	69.9990548
341 U1419 B	9 H	2 A	138	83.62	70.0062616
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341 U1419 B	9 H	2 A	140	83.64	70.0206752
341 U1419 B	9 H	2 A	141	83.65	70.027882
341 U1419 B	9 H	3 A	0	83.66	70.0350888
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341 U1419 B	9 H	3 A	3	83.69	70.0567092
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341 U1419 B	9 H	3 A	8	83.74	70.0927432
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341 U1419 B	9 H	3 A	10	83.76	70.1071568
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341 U1419 B	9 H	3 A	12	83.78	70.1215704
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341 U1419 B	9 H	3 A	16	83.82	70.1503976
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341 U1419 B	9 H	3 A	21	83.87	70.1864316
341 U1419 B	9 H	3 A	22	83.88	70.1936384
341 U1419 B	9 H	3 A	23	83.89	70.2008452
341 U1419 B	9 H	3 A	24	83.9	70.208052
341 U1419 B	9 H	3 A	25	83.91	70.2152588
341 U1419 B	9 H	3 A	26	83.92	70.2224656
341 U1419 B	9 H	3 A	27	83.93	70.2296724
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341 U1419 B	9 H	3 A	33	83.99	70.2729132
341 U1419 B	9 H	3 A	34	84	70.28012
341 U1419 B	9 H	3 A	35	84.01	70.2873268
341 U1419 B	9 H	3 A	36	84.02	70.2945336
341 U1419 B	9 H	3 A	37	84.03	70.3017404
341 U1419 B	9 H	3 A	38	84.04	70.3089472
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341 U1419 B	9 H	3 A	40	84.06	70.3233608
341 U1419 B	9 H	3 A	41	84.07	70.3305676
341 U1419 B	9 H	3 A	42	84.08	70.3377744
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341 U1419 B	9 H	3 A	44	84.1	70.352188
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341 U1419 B	9 H	3 A	55	84.21	70.4314628
341 U1419 B	9 H	3 A	56	84.22	70.4386696
341 U1419 B	9 H	3 A	57	84.23	70.4458764
341 U1419 B	9 H	3 A	58	84.24	70.4530832
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341 U1419 B	9 H	3 A	61	84.27	70.4747036
341 U1419 B	9 H	3 A	62	84.28	70.4819104

341 U1419 B	9 H	3 A	63	84.29	70.4891172
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341 U1419 B	9 H	3 A	65	84.31	70.5035308
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341 U1419 B	9 H	3 A	71	84.37	70.5467716
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341 U1419 B	9 H	3 A	73	84.39	70.5611852
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341 U1419 B	9 H	3 A	75	84.41	70.5755988
341 U1419 B	9 H	3 A	76	84.42	70.5828056
341 U1419 B	9 H	3 A	77	84.43	70.5900124
341 U1419 B	9 H	3 A	78	84.44	70.5972192
341 U1419 B	9 H	3 A	79	84.45	70.604426
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341 U1419 B	9 H	3 A	82	84.48	70.6260464
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341 U1419 B	9 H	3 A	105	84.71	70.7918028
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341 U1419 B	9 H	3 A	107	84.73	70.8062164
341 U1419 B	9 H	3 A	108	84.74	70.8134232
341 U1419 B	9 H	3 A	109	84.75	70.82063

341 U1419 B	9 H	3 A	110	84.76	70.8278368
341 U1419 B	9 H	3 A	111	84.77	70.8350436
341 U1419 B	9 H	3 A	112	84.78	70.8422504
341 U1419 B	9 H	3 A	113	84.79	70.8494572
341 U1419 B	9 H	3 A	114	84.8	70.856664
341 U1419 B	9 H	3 A	115	84.81	70.8638708
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341 U1419 B	9 H	3 A	117	84.83	70.8782844
341 U1419 B	9 H	3 A	118	84.84	70.8854912
341 U1419 B	9 H	3 A	119	84.85	70.892698
341 U1419 B	9 H	3 A	120	84.86	70.8999048
341 U1419 B	9 H	3 A	121	84.87	70.9071116
341 U1419 B	9 H	3 A	122	84.88	70.9143184
341 U1419 B	9 H	3 A	123	84.89	70.9215252
341 U1419 B	9 H	3 A	124	84.9	70.928732
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341 U1419 B	9 H	3 A	127	84.93	70.9503524
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341 U1419 B	9 H	3 A	130	84.96	70.9719728
341 U1419 B	9 H	3 A	131	84.97	70.9791796
341 U1419 B	9 H	3 A	132	84.98	70.9863864
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341 U1419 B	9 H	3 A	134	85	71.0008
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341 U1419 B	9 H	3 A	138	85.04	71.0296272
341 U1419 B	9 H	3 A	139	85.05	71.036834
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341 U1419 B	9 H	3 A	142	85.08	71.0584544
341 U1419 B	9 H	3 A	143	85.09	71.0656612
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341 U1419 B	9 H	4 A	2	85.12	71.0872816
341 U1419 B	9 H	4 A	3	85.13	71.0944884
341 U1419 B	9 H	4 A	4	85.14	71.1016952
341 U1419 B	9 H	4 A	5	85.15	71.108902
341 U1419 B	9 H	4 A	6	85.16	71.1161088
341 U1419 B	9 H	4 A	7	85.17	71.1233156
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341 U1419 B	9 H	4 A	9	85.19	71.1377292
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341 U1419 B	9 H	4 A	12	85.22	71.1593496

341 U1419 B	9 H	4 A	13	85.23	71.1665564
341 U1419 B	9 H	4 A	14	85.24	71.1737632
341 U1419 B	9 H	4 A	15	85.25	71.18097
341 U1419 B	9 H	4 A	16	85.26	71.1881768
341 U1419 B	9 H	4 A	17	85.27	71.1953836
341 U1419 B	9 H	4 A	18	85.28	71.2025904
341 U1419 B	9 H	4 A	19	85.29	71.2097972
341 U1419 B	9 H	4 A	20	85.3	71.217004
341 U1419 B	9 H	4 A	21	85.31	71.2242108
341 U1419 B	9 H	4 A	22	85.32	71.2314176
341 U1419 B	9 H	4 A	23	85.33	71.2386244
341 U1419 B	9 H	4 A	24	85.34	71.2458312
341 U1419 B	9 H	4 A	25	85.35	71.253038
341 U1419 B	9 H	4 A	26	85.36	71.2602448
341 U1419 B	9 H	4 A	27	85.37	71.2674516
341 U1419 B	9 H	4 A	28	85.38	71.2746584
341 U1419 B	9 H	4 A	29	85.39	71.2818652
341 U1419 B	9 H	4 A	30	85.4	71.289072
341 U1419 B	9 H	4 A	31	85.41	71.2962788
341 U1419 B	9 H	4 A	32	85.42	71.3034856
341 U1419 B	9 H	4 A	33	85.43	71.3106924
341 U1419 B	9 H	4 A	34	85.44	71.3178992
341 U1419 B	9 H	4 A	35	85.45	71.325106
341 U1419 B	9 H	4 A	36	85.46	71.3323128
341 U1419 B	9 H	4 A	37	85.47	71.3395196
341 U1419 B	9 H	4 A	38	85.48	71.3467264
341 U1419 B	9 H	4 A	39	85.49	71.3539332
341 U1419 B	9 H	4 A	40	85.5	71.36114
341 U1419 B	9 H	4 A	41	85.51	71.3683468
341 U1419 B	9 H	4 A	42	85.52	71.3755536
341 U1419 B	9 H	4 A	43	85.53	71.3827604
341 U1419 B	9 H	4 A	44	85.54	71.3899672
341 U1419 B	9 H	4 A	45	85.55	71.397174
341 U1419 B	9 H	4 A	46	85.56	71.4043808
341 U1419 B	9 H	4 A	47	85.57	71.4115876
341 U1419 B	9 H	4 A	48	85.58	71.4187944
341 U1419 B	9 H	4 A	49	85.59	71.4260012
341 U1419 B	9 H	4 A	50	85.6	71.433208
341 U1419 B	9 H	4 A	51	85.61	71.4404148
341 U1419 B	9 H	4 A	52	85.62	71.4476216
341 U1419 B	9 H	4 A	53	85.63	71.4548284
341 U1419 B	9 H	4 A	54	85.64	71.4620352
341 U1419 B	9 H	4 A	55	85.65	71.469242
341 U1419 B	9 H	4 A	56	85.66	71.4764488
341 U1419 B	9 H	4 A	57	85.67	71.4836556
341 U1419 B	9 H	4 A	58	85.68	71.4908624
341 U1419 B	9 H	4 A	59	85.69	71.4980692

341 U1419 B	9 H	4 A	60	85.7	71.505276
341 U1419 B	9 H	4 A	61	85.71	71.5124828
341 U1419 B	9 H	4 A	62	85.72	71.5196896
341 U1419 B	9 H	4 A	63	85.73	71.5268964
341 U1419 B	9 H	4 A	64	85.74	71.5341032
341 U1419 B	9 H	4 A	65	85.75	71.54131
341 U1419 B	9 H	4 A	66	85.76	71.5485168
341 U1419 B	9 H	4 A	67	85.77	71.5557236
341 U1419 B	9 H	4 A	68	85.78	71.5629304
341 U1419 B	9 H	4 A	69	85.79	71.5701372
341 U1419 B	9 H	4 A	70	85.8	71.577344
341 U1419 B	9 H	4 A	71	85.81	71.5845508
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341 U1419 B	9 H	4 A	73	85.83	71.5989644
341 U1419 B	9 H	4 A	74	85.84	71.6061712
341 U1419 B	9 H	4 A	75	85.85	71.613378
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341 U1419 B	9 H	4 A	77	85.87	71.6277916
341 U1419 B	9 H	4 A	78	85.88	71.6349984
341 U1419 B	9 H	4 A	79	85.89	71.6422052
341 U1419 B	9 H	4 A	80	85.9	71.649412
341 U1419 B	9 H	4 A	81	85.91	71.6566188
341 U1419 B	9 H	4 A	82	85.92	71.6638256
341 U1419 B	9 H	4 A	83	85.93	71.6710324
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341 U1419 B	9 H	4 A	87	85.97	71.6998596
341 U1419 B	9 H	4 A	88	85.98	71.7070664
341 U1419 B	9 H	4 A	89	85.99	71.7142732
341 U1419 B	9 H	4 A	90	86	71.72148
341 U1419 B	9 H	4 A	91	86.01	71.7286868
341 U1419 B	9 H	4 A	92	86.02	71.7358936
341 U1419 B	9 H	4 A	93	86.03	71.7431004
341 U1419 B	9 H	4 A	94	86.04	71.7503072
341 U1419 B	9 H	4 A	95	86.05	71.757514
341 U1419 B	9 H	4 A	96	86.06	71.7647208
341 U1419 B	9 H	4 A	97	86.07	71.7719276
341 U1419 B	9 H	5 A		SECTION NOT SAMPLED	
341 U1419 B	9 H	6 A		SECTION NOT SAMPLED	
341 U1419 E	14 H	1 A	55	89.34	74.1285512
341 U1419 E	14 H	1 A	56	89.35	74.135758
341 U1419 E	14 H	1 A	57	89.36	74.1429648
341 U1419 E	14 H	1 A	58	89.37	74.1501716
341 U1419 E	14 H	1 A	59	89.38	74.1573784
341 U1419 E	14 H	1 A	60	89.39	74.1645852

341 U1419 E	14 H	1 A	61	89.4	74.171792
341 U1419 E	14 H	1 A	62	89.41	74.1789988
341 U1419 E	14 H	1 A	63	89.42	74.1862056
341 U1419 E	14 H	1 A	64	89.43	74.1934124
341 U1419 E	14 H	1 A	65	89.44	74.2006192
341 U1419 E	14 H	1 A	66	89.45	74.207826
341 U1419 E	14 H	1 A	67	89.46	74.2150328
341 U1419 E	14 H	1 A	68	89.47	74.2222396
341 U1419 E	14 H	1 A	69	89.48	74.2294464
341 U1419 E	14 H	1 A	70	89.49	74.2366532
341 U1419 E	14 H	1 A	71	89.5	74.24386
341 U1419 E	14 H	1 A	72	89.51	74.2510668
341 U1419 E	14 H	1 A	73	89.52	74.2582736
341 U1419 E	14 H	1 A	74	89.53	74.2654804
341 U1419 E	14 H	1 A	75	89.54	74.2726872
341 U1419 E	14 H	1 A	76	89.55	74.279894
341 U1419 E	14 H	1 A	77	89.56	74.2871008
341 U1419 E	14 H	1 A	78	89.57	74.2943076
341 U1419 E	14 H	1 A	79	89.58	74.3015144
341 U1419 E	14 H	1 A	80	89.59	74.3087212
341 U1419 E	14 H	1 A	81	89.6	74.315928
341 U1419 E	14 H	1 A	82	89.61	74.3231348
341 U1419 E	14 H	1 A	83	89.62	74.3303416
341 U1419 E	14 H	1 A	84	89.63	74.3375484
341 U1419 E	14 H	1 A	85	89.64	74.3447552
341 U1419 E	14 H	1 A	86	89.65	74.351962
341 U1419 E	14 H	1 A	87	89.66	74.3591688
341 U1419 E	14 H	1 A	88	89.67	74.3663756
341 U1419 E	14 H	1 A	89	89.68	74.3735824
341 U1419 E	14 H	1 A	90	89.69	74.3807892
341 U1419 E	14 H	1 A	91	89.7	74.387996
341 U1419 E	14 H	1 A	92	89.71	74.3952028
341 U1419 E	14 H	1 A	93	89.72	74.4024096
341 U1419 E	14 H	1 A	94	89.73	74.4096164
341 U1419 E	14 H	1 A	95	89.74	74.4168232
341 U1419 E	14 H	1 A	96	89.75	74.42403
341 U1419 E	14 H	1 A	97	89.76	74.4312368
341 U1419 E	14 H	1 A	98	89.77	74.4384436
341 U1419 E	14 H	1 A	99	89.78	74.4456504
341 U1419 E	14 H	1 A	100	89.79	74.4528572
341 U1419 E	14 H	1 A	101	89.8	74.460064
341 U1419 E	14 H	1 A	102	89.81	74.4672708
341 U1419 E	14 H	1 A	103	89.82	74.4744776
341 U1419 E	14 H	1 A	104	89.83	74.4816844
341 U1419 E	14 H	1 A	105	89.84	74.4888912
341 U1419 E	14 H	1 A	106	89.85	74.496098
341 U1419 E	14 H	1 A	107	89.86	74.5033048

341 U1419 E	14 H	1 A	108	89.87	74.5105116
341 U1419 E	14 H	1 A	109	89.88	74.5177184
341 U1419 E	14 H	1 A	110	89.89	74.5249252
341 U1419 E	14 H	1 A	111	89.9	74.532132
341 U1419 E	14 H	1 A	112	89.91	74.5393388
341 U1419 E	14 H	1 A	113	89.92	74.5465456
341 U1419 E	14 H	1 A	114	89.93	74.5537524
341 U1419 E	14 H	1 A	115	89.94	74.5609592
341 U1419 E	14 H	1 A	116	89.95	74.568166
341 U1419 E	14 H	1 A	117	89.96	74.5753728
341 U1419 E	14 H	1 A	118	89.97	74.5825796
341 U1419 E	14 H	1 A	119	89.98	74.5897864
341 U1419 E	14 H	1 A	120	89.99	74.5969932
341 U1419 E	14 H	1 A	121	90	74.6042
341 U1419 E	14 H	1 A	122	90.01	74.6114068
341 U1419 E	14 H	1 A	123	90.02	74.6186136
341 U1419 E	14 H	1 A	124	90.03	74.6258204
341 U1419 E	14 H	1 A	125	90.04	74.6330272
341 U1419 E	14 H	1 A	126	90.05	74.640234
341 U1419 E	14 H	1 A	127	90.06	74.6474408
341 U1419 E	14 H	1 A	128	90.07	74.6546476
341 U1419 E	14 H	1 A	129	90.08	74.6618544
341 U1419 E	14 H	1 A	130	90.09	74.6690612
341 U1419 E	14 H	1 A	131	90.1	74.676268
341 U1419 E	14 H	1 A	132	90.11	74.6834748
341 U1419 E	14 H	1 A	133	90.12	74.6906816
341 U1419 E	14 H	1 A	134	90.13	74.6978884
341 U1419 E	14 H	1 A	135	90.14	74.7050952
341 U1419 E	14 H	1 A	136	90.15	74.712302
341 U1419 E	14 H	1 A	137	90.16	74.7195088
341 U1419 E	14 H	1 A	138	90.17	74.7267156
341 U1419 E	14 H	1 A	139	90.18	74.7339224
341 U1419 E	14 H	1 A	140	90.19	74.7411292
341 U1419 E	14 H	1 A	141	90.2	74.748336
341 U1419 E	14 H	1 A	142	90.21	74.7555428
341 U1419 E	14 H	2 A		SECTION NOT SAMPLED	
341 U1419 E	14 H	3 A	0	91.68	75.8149424
341 U1419 E	14 H	3 A	1	91.69	75.8221492
341 U1419 E	14 H	3 A	2	91.7	75.829356
341 U1419 E	14 H	3 A	3	91.71	75.8365628
341 U1419 E	14 H	3 A	4	91.72	75.8437696
341 U1419 E	14 H	3 A	5	91.73	75.8509764
341 U1419 E	14 H	3 A	6	91.74	75.8581832
341 U1419 E	14 H	3 A	7	91.75	75.86539
341 U1419 E	14 H	3 A	8	91.76	75.8725968
341 U1419 E	14 H	3 A	9	91.77	75.8798036
341 U1419 E	14 H	3 A	10	91.78	75.8870104

341 U1419 E	14 H	3 A	11	91.79	75.8942172
341 U1419 E	14 H	3 A	12	91.8	75.901424
341 U1419 E	14 H	3 A	13	91.81	75.9086308
341 U1419 E	14 H	3 A	14	91.82	75.9158376
341 U1419 E	14 H	3 A	15	91.83	75.9230444
341 U1419 E	14 H	3 A	16	91.84	75.9302512
341 U1419 E	14 H	3 A	17	91.85	75.937458
341 U1419 E	14 H	3 A	18	91.86	75.9446648
341 U1419 E	14 H	3 A	19	91.87	75.9518716
341 U1419 E	14 H	3 A	20	91.88	75.9590784
341 U1419 E	14 H	3 A	21	91.89	75.9662852
341 U1419 E	14 H	3 A	22	91.9	75.973492
341 U1419 E	14 H	3 A	23	91.91	75.9806988
341 U1419 E	14 H	3 A	24	91.92	75.9879056
341 U1419 E	14 H	3 A	25	91.93	75.9951124
341 U1419 E	14 H	3 A	26	91.94	76.0023192
341 U1419 E	14 H	3 A	27	91.95	76.009526
341 U1419 E	14 H	3 A	28	91.96	76.0167328
341 U1419 E	14 H	3 A	29	91.97	76.0239396
341 U1419 E	14 H	3 A	30	91.98	76.0311464
341 U1419 E	14 H	3 A	31	91.99	76.0383532
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341 U1419 E	14 H	3 A	33	92.01	76.0527668
341 U1419 E	14 H	3 A	34	92.02	76.0599736
341 U1419 E	14 H	3 A	35	92.03	76.0671804
341 U1419 E	14 H	3 A	36	92.04	76.0743872
341 U1419 E	14 H	3 A	37	92.05	76.081594
341 U1419 E	14 H	3 A	38	92.06	76.0888008
341 U1419 E	14 H	3 A	39	92.07	76.0960076
341 U1419 E	14 H	3 A	40	92.08	76.1032144
341 U1419 E	14 H	3 A	41	92.09	76.1104212
341 U1419 E	14 H	3 A	42	92.1	76.117628
341 U1419 E	14 H	3 A	43	92.11	76.1248348
341 U1419 E	14 H	3 A	44	92.12	76.1320416
341 U1419 E	14 H	3 A	45	92.13	76.1392484
341 U1419 E	14 H	3 A	46	92.14	76.1464552
341 U1419 E	14 H	3 A	47	92.15	76.153662
341 U1419 E	14 H	3 A	48	92.16	76.1608688
341 U1419 E	14 H	3 A	49	92.17	76.1680756
341 U1419 E	14 H	3 A	50	92.18	76.1752824
341 U1419 E	14 H	3 A	51	92.19	76.1824892
341 U1419 E	14 H	3 A	52	92.2	76.189696
341 U1419 E	14 H	3 A	53	92.21	76.1969028
341 U1419 E	14 H	3 A	54	92.22	76.2041096
341 U1419 E	14 H	3 A	55	92.23	76.2113164
341 U1419 E	14 H	3 A	56	92.24	76.2185232
341 U1419 E	14 H	3 A	57	92.25	76.22573

341 U1419 E	14 H	3 A	58	92.26	76.2329368
341 U1419 E	14 H	3 A	59	92.27	76.2401436
341 U1419 E	14 H	3 A	60	92.28	76.2473504
341 U1419 E	14 H	3 A	61	92.29	76.2545572
341 U1419 E	14 H	3 A	62	92.3	76.261764
341 U1419 E	14 H	3 A	63	92.31	76.2689708
341 U1419 E	14 H	3 A	64	92.32	76.2761776
341 U1419 E	14 H	3 A	65	92.33	76.2833844
341 U1419 E	14 H	3 A	66	92.34	76.2905912
341 U1419 E	14 H	3 A	67	92.35	76.297798
341 U1419 E	14 H	3 A	68	92.36	76.3050048
341 U1419 E	14 H	3 A	69	92.37	76.3122116
341 U1419 E	14 H	3 A	70	92.38	76.3194184
341 U1419 E	14 H	3 A	71	92.39	76.3266252
341 U1419 E	14 H	3 A	72	92.4	76.333832
341 U1419 E	14 H	3 A	73	92.41	76.3410388
341 U1419 E	14 H	3 A	74	92.42	76.3482456
341 U1419 E	14 H	3 A	75	92.43	76.3554524
341 U1419 E	14 H	3 A	76	92.44	76.3626592
341 U1419 E	14 H	3 A	77	92.45	76.369866
341 U1419 E	14 H	3 A	78	92.46	76.3770728
341 U1419 E	14 H	3 A	79	92.47	76.3842796
341 U1419 E	14 H	3 A	80	92.48	76.3914864
341 U1419 E	14 H	3 A	81	92.49	76.3986932
341 U1419 E	14 H	3 A	82	92.5	76.4059
341 U1419 E	14 H	3 A	83	92.51	76.4131068
341 U1419 E	14 H	3 A	84	92.52	76.4203136
341 U1419 E	14 H	3 A	85	92.53	76.4275204
341 U1419 E	14 H	3 A	86	92.54	76.4347272
341 U1419 E	14 H	3 A	87	92.55	76.441934
341 U1419 E	14 H	3 A	88	92.56	76.4491408
341 U1419 E	14 H	3 A	89	92.57	76.4563476
341 U1419 E	14 H	3 A	90	92.58	76.4635544
341 U1419 E	14 H	3 A	91	92.59	76.4707612
341 U1419 E	14 H	3 A	92	92.6	76.477968
341 U1419 E	14 H	3 A	93	92.61	76.4851748
341 U1419 E	14 H	3 A	94	92.62	76.4923816
341 U1419 E	14 H	3 A	95	92.63	76.4995884
341 U1419 E	14 H	3 A	96	92.64	76.5067952
341 U1419 E	14 H	3 A	97	92.65	76.514002
341 U1419 E	14 H	3 A	98	92.66	76.5212088
341 U1419 E	14 H	3 A	99	92.67	76.5284156
341 U1419 E	14 H	3 A	100	92.68	76.5356224
341 U1419 E	14 H	3 A	101	92.69	76.5428292
341 U1419 E	14 H	3 A	102	92.7	76.550036
341 U1419 E	14 H	3 A	103	92.71	76.5572428
341 U1419 E	14 H	3 A	104	92.72	76.5644496

341 U1419 E	14 H	3 A	105	92.73	76.5716564
341 U1419 E	14 H	3 A	106	92.74	76.5788632
341 U1419 E	14 H	3 A	107	92.75	76.58607
341 U1419 E	14 H	3 A	108	92.76	76.5932768
341 U1419 E	14 H	3 A	109	92.77	76.6004836
341 U1419 E	14 H	3 A	110	92.78	76.6076904
341 U1419 E	14 H	3 A	111	92.79	76.6148972
341 U1419 E	14 H	3 A	112	92.8	76.622104
341 U1419 E	14 H	3 A	113	92.81	76.6293108
341 U1419 E	14 H	3 A	114	92.82	76.6365176
341 U1419 E	14 H	4 A	0	92.83	76.6437244
341 U1419 E	14 H	4 A	1	92.84	76.6509312
341 U1419 E	14 H	4 A	2	92.85	76.658138
341 U1419 E	14 H	4 A	3	92.86	76.6653448
341 U1419 E	14 H	4 A	4	92.87	76.6725516
341 U1419 E	14 H	4 A	5	92.88	76.6797584
341 U1419 E	14 H	4 A	6	92.89	76.6869652
341 U1419 E	14 H	4 A	7	92.9	76.694172
341 U1419 E	14 H	4 A	8	92.91	76.7013788
341 U1419 E	14 H	4 A	9	92.92	76.7085856
341 U1419 E	14 H	4 A	10	92.93	76.7157924
341 U1419 E	14 H	4 A	11	92.94	76.7229992
341 U1419 E	14 H	4 A	12	92.95	76.730206
341 U1419 E	14 H	4 A	13	92.96	76.7374128
341 U1419 E	14 H	4 A	14	92.97	76.7446196
341 U1419 A	10 H	3 A	101	92.98	76.7518264
341 U1419 A	10 H	3 A	102	92.99	76.7590332
341 U1419 A	10 H	3 A	103	93	76.76624
341 U1419 A	10 H	3 A	104	93.01	76.7734468
341 U1419 A	10 H	3 A	105	93.02	76.7806536
341 U1419 A	10 H	3 A	106	93.03	76.7878604
341 U1419 A	10 H	3 A	107	93.04	76.7950672
341 U1419 A	10 H	3 A	108	93.05	76.802274
341 U1419 A	10 H	3 A	109	93.06	76.8094808
341 U1419 A	10 H	3 A	110	93.07	76.8166876
341 U1419 A	10 H	3 A	111	93.08	76.8238944
341 U1419 A	10 H	3 A	112	93.09	76.8311012
341 U1419 A	10 H	3 A	113	93.1	76.838308
341 U1419 A	10 H	3 A	114	93.11	76.8455148
341 U1419 A	10 H	3 A	115	93.12	76.8527216
341 U1419 A	10 H	3 A	116	93.13	76.8599284
341 U1419 A	10 H	3 A	117	93.14	76.8671352
341 U1419 A	10 H	3 A	118	93.15	76.874342
341 U1419 A	10 H	3 A	119	93.16	76.8815488
341 U1419 A	10 H	3 A	120	93.17	76.8887556
341 U1419 A	10 H	3 A	121	93.18	76.8959624

341 U1419 A	10 H	3 A	122	93.19	76.9031692
341 U1419 A	10 H	3 A	123	93.2	76.910376
341 U1419 A	10 H	3 A	124	93.21	76.9175828
341 U1419 A	10 H	3 A	125	93.22	76.9247896
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341 U1419 A	10 H	6 A	17	96.47	79.2669996

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341 U1419 A	10 H	6 A	19	96.49	79.2814132
341 U1419 A	10 H	6 A	20	96.5	79.28862
341 U1419 A	10 H	6 A	21	96.51	79.2958268
341 U1419 A	10 H	6 A	22	96.52	79.3030336
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341 U1419 A	10 H	6 A	26	96.56	79.3318608
341 U1419 A	10 H	6 A	27	96.57	79.3390676
341 U1419 A	10 H	6 A	28	96.58	79.3462744
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341 U1419 A	10 H	6 A	37	96.67	79.4111356
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341 U1419 A	10 H	6 A	40	96.7	79.432756
341 U1419 A	10 H	6 A	41	96.71	79.4399628
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341 U1419 A	10 H	6 A	43	96.73	79.4543764
341 U1419 A	10 H	6 A	44	96.74	79.4615832
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341 U1419 A	10 H	6 A	48	96.78	79.4904104
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341 U1419 A	10 H	6 A	51	96.81	79.5120308
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341 U1419 E	15 H	1 A	46	97.16	79.7642688
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341 U1419 E	15 H	1 A	74	97.44	79.9660592
341 U1419 E	15 H	1 A	75	97.45	79.973266
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341 U1419 E	15 H	1 A	81	97.51	80.0165068
341 U1419 E	15 H	1 A	82	97.52	80.0237136
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341 U1419 E	15 H	1 A	85	97.55	80.045334
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341 U1419 E	15 H	1 A	98	97.68	80.1390224
341 U1419 E	15 H	1 A	99	97.69	80.1462292
341 U1419 E	15 H	1 A	100	97.7	80.153436
341 U1419 E	15 H	1 A	101	97.71	80.1606428
341 U1419 E	15 H	1 A	102	97.72	80.1678496
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341 U1419 E	15 H	1 A	109	97.79	80.2182972
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341 U1419 E	15 H	1 A	118	97.88	80.2831584
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341 U1419 E	15 H	1 A	121	97.91	80.3047788
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341 U1419 E	15 H	1 A	138	98.08	80.4272944
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341 U1419 E	15 H	1 A	142	98.12	80.4561216
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341 U1419 E	15 H	1 A	145	98.15	80.477742
341 U1419 E	15 H	2 A	0	98.16	80.4849488
341 U1419 E	15 H	2 A	1	98.17	80.4921556
341 U1419 E	15 H	2 A	2	98.18	80.4993624
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341 U1419 E	15 H	2 A	12	98.28	80.5714304
341 U1419 E	15 H	2 A	13	98.29	80.5786372
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341 U1419 E	15 H	2 A	19	98.35	80.621878
341 U1419 E	15 H	2 A	20	98.36	80.6290848
341 U1419 E	15 H	2 A	21	98.37	80.6362916
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341 U1419 E	15 H	2 A	33	98.49	80.7227732
341 U1419 E	15 H	2 A	34	98.5	80.72998
341 U1419 E	15 H	2 A	35	98.51	80.7371868
341 U1419 E	15 H	2 A	36	98.52	80.7443936
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341 U1419 E	15 H	2 A	47	98.63	80.8236684
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341 U1419 E	15 H	2 A	63	98.79	80.9389772
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341 U1419 E	15 H	2 A	82	98.98	81.0759064
341 U1419 E	15 H	2 A	83	98.99	81.0831132
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341 U1419 E	15 H	2 A	100	99.16	81.2056288
341 U1419 E	15 H	2 A	101	99.17	81.2128356
341 U1419 E	15 H	2 A	102	99.18	81.2200424
341 U1419 E	15 H	2 A	103	99.19	81.2272492
341 U1419 E	15 H	2 A	104	99.2	81.234456
341 U1419 E	15 H	2 A	105	99.21	81.2416628
341 U1419 E	15 H	2 A	106	99.22	81.2488696
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341 U1419 C	12 H	1 A	52	99.5	81.45066
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341 U1419 C	12 H	1 A	66	99.64	81.5515552
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341 U1419 C	12 H	1 A	77	99.75	81.63083
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341 U1419 C	12 H	1 A	116	100.14	81.9118952
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341 U1419 C	12 H	1 A	119	100.17	81.9335156
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341 U1419 C	12 H	1 A	134	100.32	82.0416176
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341 U1419 C	12 H	2 A	17	100.56	82.2145808
341 U1419 C	12 H	2 A	18	100.57	82.2217876
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341 U1419 C	12 H	2 A	24	100.63	82.2650284
341 U1419 C	12 H	2 A	25	100.64	82.2722352
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341 U1419 C	12 H	2 A	30	100.69	82.3082692
341 U1419 C	12 H	2 A	31	100.7	82.315476
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341 U1419 C	12 H	2 A	34	100.73	82.3370964
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341 U1419 C	12 H	2 A	36	100.75	82.35151
341 U1419 C	12 H	2 A	37	100.76	82.3587168
341 U1419 C	12 H	2 A	38	100.77	82.3659236
341 U1419 C	12 H	2 A	39	100.78	82.3731304
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341 U1419 C	12 H	2 A	42	100.81	82.3947508
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341 U1419 C	12 H	2 A	46	100.85	82.423578
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341 U1419 C	12 H	2 A	49	100.88	82.4451984
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341 U1419 C	12 H	2 A	52	100.91	82.4668188
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341 U1419 C	12 H	2 A	77	101.16	82.6469888
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341 U1419 C	12 H	2 A	110	101.49	82.8848132
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341 U1419 C	12 H	2 A	118	101.57	82.9424676
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341 U1419 C	12 H	2 A	124	101.63	82.9857084
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341 U1419 C	12 H	3 A	0	101.82	83.1226376
341 U1419 C	12 H	3 A	1	101.83	83.1298444
341 U1419 C	12 H	3 A	2	101.84	83.1370512
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341 U1419 C	12 H	3 A	6	101.88	83.1658784
341 U1419 C	12 H	3 A	7	101.89	83.1730852
341 U1419 C	12 H	3 A	8	101.9	83.180292
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341 U1419 C	12 H	3 A	12	101.94	83.2091192
341 U1419 C	12 H	3 A	13	101.95	83.216326
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341 U1419 C	12 H	3 A	17	101.99	83.2451532
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341 U1419 C	12 H	3 A	19	102.01	83.2595668
341 U1419 C	12 H	3 A	20	102.02	83.2667736
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341 U1419 C	12 H	3 A	27	102.09	83.3172212

341 U1419 C	12 H	3 A	28	102.1	83.324428
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341 U1419 C	12 H	3 A	44	102.26	83.4397368
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341 U1419 C	12 H	3 A	49	102.31	83.4757708
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341 U1419 C	12 H	3 A	67	102.49	83.6054932
341 U1419 C	12 H	3 A	68	102.5	83.6127
341 U1419 C	12 H	3 A	69	102.51	83.6199068
341 U1419 C	12 H	3 A	70	102.52	83.6271136
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341 U1419 C	12 H	3 A	74	102.56	83.6559408

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341 U1419 C	12 H	3 A	107	102.89	83.8937652
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341 U1419 D	16 H	2 A	133	106.26	86.3224568
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341 U1419 D	16 H	2 A	136	106.29	86.3440772
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341 U1419 E	17 H	2 A	95	109.7	88.801596
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341 U1419 E	17 H	2 A	131	110.06	89.0610408
341 U1419 E	17 H	2 A	132	110.07	89.0682476
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341 U1419 E	17 H	3 A	65	110.83	89.6159644
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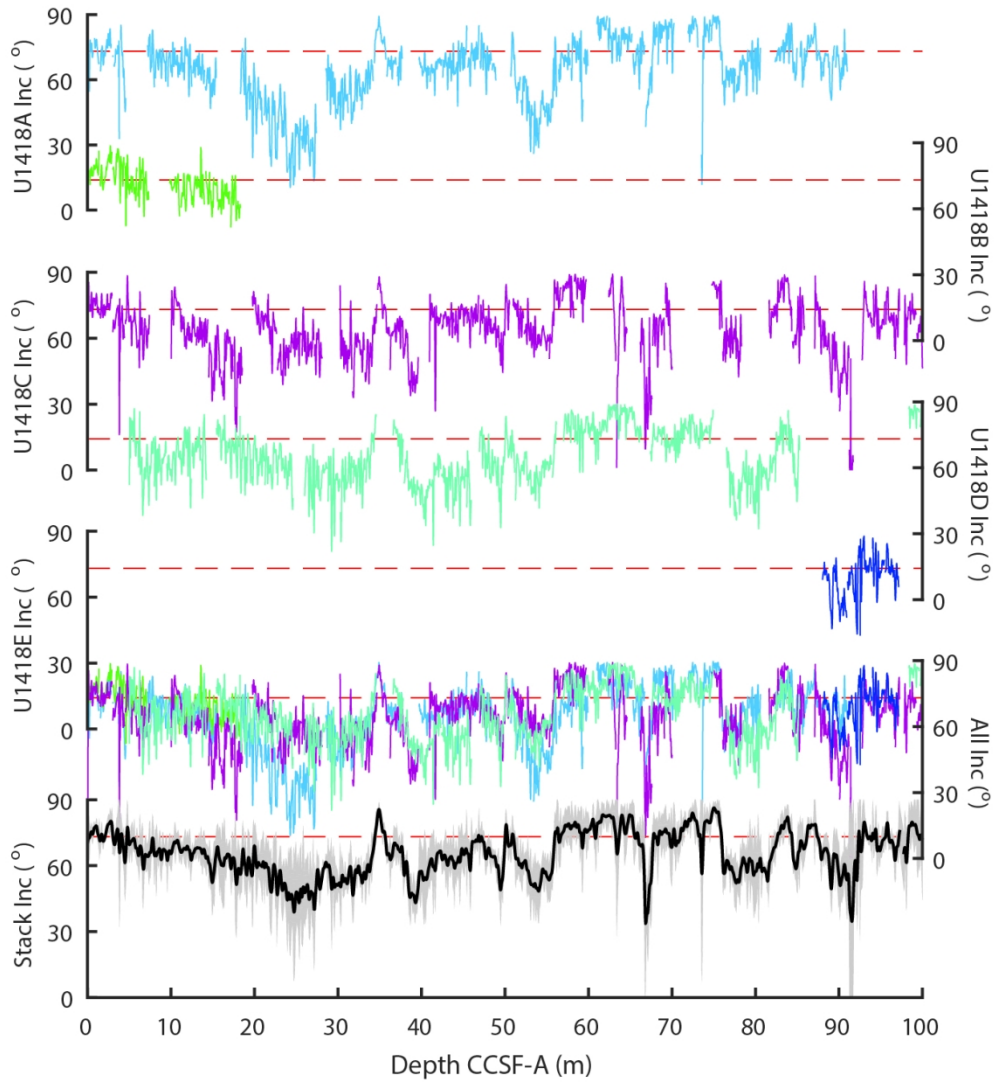
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341 U1419 E	17 H	3 A	108	111.26	89.9258568
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341 U1419 E	17 H	3 A	118	111.36	89.9979248
341 U1419 E	17 H	3 A	119	111.37	90.0051316
341 U1419 E	17 H	3 A	120	111.38	90.0123384
341 U1419 E	17 H	3 A	121	111.39	90.0195452
341 U1419 E	17 H	3 A	122	111.4	90.026752
341 U1419 E	17 H	3 A	123	111.41	90.0339588
341 U1419 E	17 H	3 A	124	111.42	90.0411656
341 U1419 E	17 H	3 A	125	111.43	90.0483724
341 U1419 E	17 H	3 A	126	111.44	90.0555792
341 U1419 E	17 H	4 A			SECTION NOT SAMPLED

Site	Sample name	Mean depth CCSF-A (m)	Age ¹⁴C (years)	Age ¹⁴C error σ1	Calibrated age (cal yr BP)	Calibrated age error σ1
EW0408-87JC	EW0408_87JC_38-40P	0.29	1640	15	704	16
EW0408-87JC	EW0408_87JC_207-210P	1.60	8520	20	8505	28
EW0408-87JC	EW0408_87JC_244-246P	1.91	10715	20	11221	14
EW0408-87JC	EW0408_87JC_249-251P	1.94	10740	40	11244	34.5
EW0408-87JC	EW0408_87JC_254-256P	1.96	10975	30	11734	73.5
EW0408-87JC	EW0408_87JC_266-268P	2.11	11090	25	11952	43
EW0408-87JC	EW0408_87JC_280-282P	2.28	11695	30	12695	20.5
EW0408-87JC	EW0408_87JC_300-302P	2.40	12460	40	13427	33.5
EW0408-87JC	EW0408_87JC_328-330P	2.65	13170	40	14195	54.5
EW0408-87JC	EW0408_87JC_340-342P	2.74	13330	45	14595	154.5
EW0408-87JC	EW0408_87JC_380-382P	3.07	13830	30	15475	74
U1418	U1418C_1H3_16-20P	3.18	13923	79	15626	137
EW0408-87JC	EW0408_87JC_419-422P	3.31	14290	40	16145	50
EW0408-87JC	EW0408_87JC_458-462P	3.61	14560	70	16499	110.08
EW0408-87JC	EW0408_87JC_490-494P	3.86	14840	70	16952	105.5
EW0408-87JC	EW0408_87JC_539-542P	4.41	14930	60	17085	82
EW0408-87JC	EW0408_87JC_918-922P	8.09	15060	45	17272	74
U1418	U1418D_2H3_16-20P	8.16	15167	49	17424	63.5
EW0408-87JC	EW0408_87JC_1000-1004P	9.15	15020	50	17212	82
U1418	U1418C_2H3_116-120P	14.17	15180	118	17422	154.5
EW0408-87JC	EW0408_87JC_1447-1450	16.14	15445	40	17753	57.5
U1418	U1418C_2H5_16-20P	16.17	15416	98	17718	114
U1418	U1418D_3H3_6-10P	18.30	15440	79	17745	96
U1418	U1418D_3H5_96-100P	22.20	15454	71	17760	86
U1418	U1418C_3H5_46-50P	26.14	15787	51	18122	70.5

U1418	U1418D_4H2_86-90P	28.15	15826	51	18172	91.5
U1418	U1418D_4H5_36-40P	32.153	16470	53	18841	43.5
U1418	U1418C_4H3_96-100P	34.193	16565	53	18922	47
U1418	U1418D_5H2_26-30P	38.145	17790	59	20411	73.5
U1418	U1418D_5H4_145-148P	42.145	18455	63	21244	97.5
U1418	U1418D_5H6_26-30P	44.145	18804	117	21715	137
U1418	U1418D_6H3_46-50P	50.201	19923	146	22932.5	188.66
U1418	U1418C_6H4_86-90P	56.15	22092	91	25577	87.5
U1418	U1418D_9H3_86-90P	80.192	28323	190	31282	102
U1418	U1418E_2H2_71-75P	90.162	34517	402	37959	573
U1418	U1418E_2H3_120-124P	92.162	37203	536	40914	514.08
U1418	U1418E_2H5_21-25P	94.162	42871	1073	45351	959.08

Conversion of CCSF-A depths to CCSF-B depths at Exp. 341 Site U1418

Sample name	Mean depth CCSF-A (m)	Corresponding depth in CCSF-B (m)
EW0408_87JC_38-40P	0.29	0.255
EW0408_87JC_207-210P	1.6	1.407
EW0408_87JC_244-246P	1.91	1.680
EW0408_87JC_249-251P	1.94	1.706
EW0408_87JC_254-256P	1.96	1.724
EW0408_87JC_266-268P	2.11	1.856
EW0408_87JC_280-282P	2.28	2.005
EW0408_87JC_300-302P	2.4	2.111
EW0408_87JC_328-330P	2.65	2.331
EW0408_87JC_340-342P	2.74	2.410
EW0408_87JC_380-382P	3.07	2.700
U1418C_1H3_16-20P	3.18	2.797
EW0408_87JC_419-422P	3.31	2.911
EW0408_87JC_458-462P	3.61	3.175
EW0408_87JC_490-494P	3.86	3.395
EW0408_87JC_539-542P	4.41	3.878
EW0408_87JC_918-922P	8.09	7.115
U1418D_2H3_16-20P	8.16	7.176
EW0408_87JC_1000-1004P	9.15	8.047
U1418C_2H3_116-120P	14.17	12.462
EW0408_87JC_1447-1450	16.14	14.194
U1418C_2H5_16-20P	16.17	14.221
U1418D_3H3_6-10P	18.3	16.094
U1418D_3H5_96-100P	22.2	19.524
U1418C_3H5_46-50P	26.14	22.989
U1418D_4H2_86-90P	28.15	24.757
U1418D_4H5_36-40P	32.153	28.277
U1418C_4H3_96-100P	34.193	30.071
U1418D_5H2_26-30P	38.145	33.547
U1418D_5H4_145-148P	42.145	37.064
U1418D_5H6_26-30P	44.145	38.823
U1418D_6H3_46-50P	50.201	44.149
U1418C_6H4_86-90P	56.15	49.381
U1418D_9H3_86-90P	80.192	70.525
U1418E_2H2_71-75P	90.162	79.293
U1418E_2H3_120-124P	92.162	81.052
U1418E_2H5_21-25P	94.162	82.811



117x128mm (300 x 300 DPI)