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Multi-speleothem record reveals tightly coupled climate between Central Europe and Greenland during MIS 3

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Study Site

Hölloch Cave is Germany's second longest cave with a total surveyed length of 11 km. Developed in the Lower Cretaceous Schrättenkalk Formation, the cave runs primarily in a N-S direction and has two known entrances at an altitude of 1240 (E2) and 1438 (E1) m asl (Fig. DR1). Three speleothems (Höl-16, Höl-17 and Höl-18) were sampled within 5 m of each other in the northern part of the system. A fourth speleothem, Höl-7, was sampled from the same but opposite side of the chamber (within 25 m of the other speleothems), beyond a channel (c.4 m deep) running through the floor. The cave atmospheric temperature is a constant 5.6 ± 0.2 °C (Spötl et al., 2011).

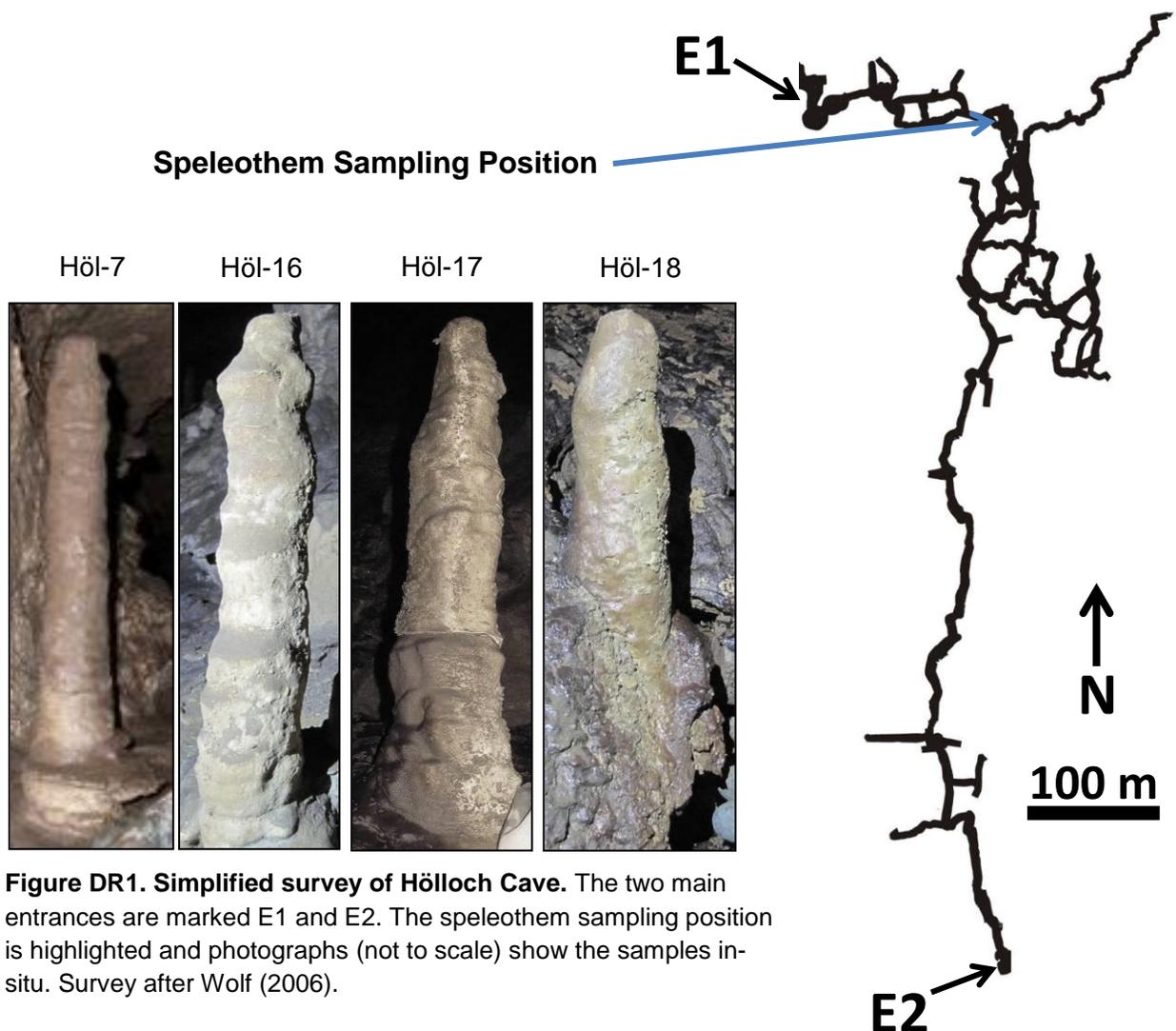


Figure DR1. Simplified survey of Hölloch Cave. The two main entrances are marked E1 and E2. The speleothem sampling position is highlighted and photographs (not to scale) show the samples in-situ. Survey after Wolf (2006).



Figure DR2. Internal sample structure. Polished slabs of the four stalagmites analysed in this study. Scale bars = 2 cm.

Table DR1. MC-ICPMS ²³⁰Th dating results of Hölloch speleothems.

Sample (mm dft)	²³⁸ U [ng g ⁻¹]	²³² Th [pg g ⁻¹]	²³⁰ Th / ²³² Th (activity)	δ ²³⁴ U* (measured)	²³⁰ Th / ²³⁸ U† (activity)	Uncorrected Age (a)§	Corrected Age (a)#	δ ²³⁴ U* (initial)
Höl-7								
20**	729 ± 1	71137 ± 1425	9 ± 0.2	-55.5 ± 1.8	0.2938 ± 0.0007	40800 ± 159	38094 ± 1877	-61.8 ± 2.1
24**	566 ± 2	134909 ± 1320	4 ± 0.1	-44.4 ± 5.5	0.3304 ± 0.0111	46435 ± 1982	39881 ± 3827	-49.7 ± 6.3
30**	562 ± 1	156296 ± 3140	4 ± 0.1	-51.0 ± 2.0	0.3336 ± 0.0011	47438 ± 244	39693 ± 5449	-57.0 ± 2.9
37**	585 ± 1	79029 ± 1586	7 ± 0.1	-53.7 ± 1.7	0.3076 ± 0.0009	43054 ± 177	39319 ± 2603	-60.0 ± 2.1
52**	592 ± 1	63994 ± 1284	9 ± 0.2	-68.6 ± 1.8	0.3280 ± 0.0009	47616 ± 205	44564 ± 2123	-77.8 ± 2.3
60**	1120 ± 2	2594 ± 11	401 ± 2	-83.3 ± 2.1	0.3042 ± 0.0014	44270 ± 280	44146 ± 282	-94.4 ± 2.4
64**	1059 ± 2	38205 ± 767	26 ± 0.5	-82.8 ± 1.6	0.3083 ± 0.0008	44973 ± 185	43905 ± 733	-93.7 ± 1.9
68**	990 ± 2	33913 ± 681	28 ± 0.6	-80.1 ± 1.5	0.3085 ± 0.0009	44840 ± 186	43826 ± 697	-90.7 ± 1.7
122**	842 ± 1	28236 ± 566	31 ± 0.6	-51.4 ± 1.9	0.3351 ± 0.0008	47736 ± 186	46778 ± 661	-58.7 ± 2.1
155**	865 ± 1	46280 ± 927	19 ± 0.4	-63.9 ± 1.6	0.3296 ± 0.0008	47593 ± 176	46072 ± 1047	-72.7 ± 1.9
175**	1076 ± 9	120632 ± 2421	9 ± 0.2	-75.8 ± 11.4	0.3417 ± 0.0028	50706 ± 1017	47510 ± 2406	-86.7 ± 13.1
180**	1022 ± 2	1340 ± 10	758 ± 7	-73.4 ± 2.0	0.3250 ± 0.0016	47410 ± 323	47315 ± 323	-83.9 ± 2.3
190**	998 ± 1	94899 ± 1903	11 ± 0.2	-75.2 ± 1.9	0.3389 ± 0.0008	50133 ± 206	47422 ± 1883	-86.0 ± 2.3
201**	1000 ± 3	4884 ± 17	205 ± 1	-84.5 ± 3.0	0.3272 ± 0.0019	48606 ± 421	48411 ± 426	-96.9 ± 3.4
224	690 ± 1	57339 ± 1148		-78.0 ± 1.3	0.3559 ± 0.0006	53613 ± 166	52093 ± 1046	-90.4 ± 1.6
294	536 ± 1	70217 ± 593	9 ± 0.2	-60.2 ± 3.6	0.3794 ± 0.0089	56740 ± 1790	54422 ± 2089	-70.2 ± 4.2
373	216 ± 0.3	104330 ± 2091	3 ± 0.1	12.6 ± 1.8	0.4788 ± 0.0014	69694 ± 335	61795 ± 5564	15.0 ± 2.2
Höl-16								
1**	204 ± 0.2	41800 ± 839	5 ± 0.1	-5.4 ± 1.3	0.3184 ± 0.0010	42086 ± 171	36701 ± 3772	-6.0 ± 1.4
5-ISO				-18.0 ± 11	0.2754 ± 0.0042		35867 ± 850	-20.0 ± 13
7**	288 ± 0.3	1655 ± 33	145 ± 3	-32.4 ± 1.2	0.2723 ± 0.0006	36110 ± 107	35898 ± 150	-35.9 ± 1.3
10-ISO				-41.6 ± 1.7	0.2695 ± 0.0006		36037 ± 130	-46.1 ± 2.0
40	527 ± 1	23267 ± 466	24 ± 0.5	-65.7 ± 1.5	0.3506 ± 0.0008	51618 ± 189	50795 ± 569	-75.9 ± 1.7
54	551 ± 1	1391 ± 28	418 ± 8	-64.2 ± 1.5	0.3454 ± 0.0008	50533 ± 185	50426 ± 187	-74.0 ± 1.8
60	439 ± 0.5	2097 ± 42	223 ± 4	-65.3 ± 1.3	0.3486 ± 0.0007	51211 ± 158	51066 ± 168	-75.5 ± 1.5
66	517 ± 1	5180 ± 104	108 ± 2	-58.0 ± 1.6	0.3533 ± 0.0008	51546 ± 191	51313 ± 226	-67.1 ± 1.9
79	236 ± 0.3	8015 ± 161	33 ± 1	-51.3 ± 1.6	0.3641 ± 0.0009	53060 ± 214	52422 ± 458	-59.5 ± 1.9
95	154 ± 0.2	1575 ± 32	108 ± 2	-55.5 ± 1.4	0.3593 ± 0.0011	52486 ± 226	52249 ± 257	-64.4 ± 1.6
109	209 ± 0.3	29735 ± 595	8 ± 0.2	-56.5 ± 1.4	0.3728 ± 0.0011	55136 ± 238	52623 ± 1748	-65.6 ± 1.8
127	348 ± 1	29594 ± 594	14 ± 0.3	-43.3 ± 1.8	0.3814 ± 0.0010	55709 ± 244	54214 ± 1040	-50.5 ± 2.1
153-ISO				-49.0 ± 16	0.3750 ± 0.0100		54937 ± 2400	-57.0 ± 20
155	343 ± 1	3512 ± 71	112 ± 2	-49.1 ± 1.7	0.3764 ± 0.0011	55218 ± 251	54982 ± 279	-57.3 ± 2.0
161	678 ± 1	546 ± 11	1419 ± 29	-57.7 ± 1.4	0.3736 ± 0.0008	55395 ± 193	55319 ± 194	-67.5 ± 1.7
165	680 ± 1	539 ± 11	1449 ± 29	-57.5 ± 1.3	0.3748 ± 0.0008	55605 ± 190	55529 ± 191	-67.2 ± 1.5

Sample (mm dft)	^{238}U [ng g $^{-1}$]	^{232}Th [pg g $^{-1}$]	$^{230}\text{Th} / ^{232}\text{Th}$ (activity)	$\delta^{234}\text{U}^*$ (measured)	$^{230}\text{Th} / ^{238}\text{U}^\dagger$ (activity)	Uncorrected Age (a)§	Corrected Age (a)#	$\delta^{234}\text{U}^*$ (initial)
166	639 ± 1	1186 ± 24	617 ± 13	-55.6 ± 1.3	0.3749 ± 0.0009	55481 ± 201	55387 ± 202	-65.0 ± 1.6
172	326 ± 0.5	10633 ± 213	36 ± 1	-50.0 ± 1.8	0.3831 ± 0.0011	56594 ± 257	55980 ± 466	-58.5 ± 2.2
178	497 ± 1	8423 ± 169	69 ± 1	-52.7 ± 1.7	0.3810 ± 0.0011	56415 ± 251	56065 ± 322	-61.7 ± 2.0
185	463 ± 1	7970 ± 160	68 ± 1	-48.9 ± 2.0	0.3830 ± 0.0010	56479 ± 253	56126 ± 325	-57.3 ± 2.3
190-ISO				-42.0 ± 4.7	0.3885 ± 0.0031		56897 ± 740	-49.4 ± 6.1
193-ISO				-46.0 ± 17.0	0.3880 ± 0.0140		57137 ± 3100	-55.0 ± 21
196	233 ± 0.3	52365 ± 1050	6 ± 0.1	-32.5 ± 1.9	0.4140 ± 0.0012	61117 ± 292	57275 ± 2689	-38.2 ± 2.3
216-ISO				-33.0 ± 18.0	0.4010 ± 0.0240		58637 ± 4800	-39.0 ± 22.0
226	120 ± 0.1	19165 ± 384	8 ± 0.2	0.4 ± 1.6	0.4356 ± 0.0013	62340 ± 296	59708 ± 1840	0.5 ± 1.9
252	264 ± 0.4	1823 ± 37	191 ± 4	12.8 ± 1.9	0.4320 ± 0.0011	60565 ± 260	60394 ± 270	15.1 ± 2.3
277	455 ± 1	10193 ± 205	58 ± 1	-26.5 ± 2.0	0.4244 ± 0.0011	62642 ± 293	62211 ± 391	-31.6 ± 2.3
312	715 ± 1	3528 ± 71	260 ± 5	-42.4 ± 1.5	0.4193 ± 0.0009	63136 ± 235	62991 ± 242	-50.6 ± 1.7
335	541 ± 1	2355 ± 47	300 ± 6	-32.1 ± 1.8	0.4269 ± 0.0009	63680 ± 250	63546 ± 255	-38.4 ± 2.1
Höl-17								
2**	344 ± 0.4	12794 ± 256	23 ± 0.5	-28.7 ± 1.2	0.2782 ± 0.0006	36863 ± 109	35832 ± 694	-31.7 ± 1.3
5**	272 ± 0.3	56872 ± 1140	5 ± 0.1	-48.7 ± 1.4	0.3097 ± 0.0008	43102 ± 162	37325 ± 4048	-54.1 ± 2.0
9**	310 ± 0.4	12144 ± 243	22 ± 0.4	-42.6 ± 1.9	0.2761 ± 0.0008	37200 ± 163	36100 ± 752	-47.1 ± 2.2
15**	475 ± 1	9906 ± 199	40 ± 0.8	-42.4 ± 1.3	0.2698 ± 0.0006	36190 ± 114	35576 ± 406	-46.9 ± 1.5
25**	426 ± 0.4	5311 ± 106	66 ± 1	-54.8 ± 1.3	0.2685 ± 0.0005	36569 ± 97	36173 ± 255	-60.7 ± 1.4
31**	380 ± 0.3	10769 ± 216	30 ± 1	-58.3 ± 1.2	0.2760 ± 0.0005	37974 ± 100	37147 ± 549	-64.8 ± 1.4
104	316 ± 0.4	2004 ± 40	175 ± 4	-32.6 ± 1.9	0.3633 ± 0.0007	51506 ± 190	51338 ± 204	-37.7 ± 2.2
216	365 ± 0.5	1413 ± 28	301 ± 6	-47.4 ± 1.8	0.3811 ± 0.0008	55992 ± 215	55864 ± 219	-55.5 ± 2.1
330	624 ± 1	3136 ± 63	258 ± 5	-30.3 ± 1.7	0.4239 ± 0.0009	62890 ± 238	62744 ± 245	-36.2 ± 2.0
375	612 ± 1	21936 ± 439	37 ± 1	-36.3 ± 1.6	0.4310 ± 0.0009	64934 ± 242	64276 ± 485	-43.5 ± 1.9
Höl-18								
34	236 ± 0.3	2624 ± 53	105 ± 2	-0.2 ± 2.0	0.3821 ± 0.0009	52509 ± 219	52269 ± 251	-0.3 ± 2.3
127	384 ± 1	2945 ± 59	156 ± 3	-10.2 ± 2.2	0.3916 ± 0.0011	54969 ± 261	54783 ± 274	-11.9 ± 2.5
147	303 ± 0.4	24616 ± 494	15 ± 0.3	-11.7 ± 1.9	0.4035 ± 0.0009	57283 ± 232	55905 ± 957	-13.7 ± 2.2

dft = distance from top

ISO = $^{230}\text{Th}/^{238}\text{U}$ - $^{232}\text{Th}/^{238}\text{U}$ isochron age

All uncertainties are 2σ .

$$*\delta^{234}\text{U} = ([^{234}\text{U}/^{238}\text{U}]_{\text{activity}} - 1) \times 1000$$

$$\dagger [^{230}\text{Th}/^{238}\text{U}]_{\text{activity}} = 1 - e^{-\lambda_{230}T} + (\delta^{234}\text{U}_{\text{measured}}/1000) [\lambda_{230}/(\lambda_{230} - \lambda_{234})] (1 - e^{-(\lambda_{230} - \lambda_{234})T}), \text{ where } T \text{ is age in years.}$$

$\lambda_{230} = 9.1705 \times 10^{-6} \text{ a}^{-1}$ (Cheng et al., 2013), $\lambda_{234} = 2.8221 \times 10^{-6} \text{ a}^{-1}$ (Cheng et al., 2013), $\lambda_{238} = 1.551 \times 10^{-10} \text{ a}^{-1}$ (Jaffey et al., 1971).

§Years before measurement

#Years before 1950 AD. Corrected for detrital Th contamination using a $^{230}\text{Th}/^{238}\text{U}$ - $^{232}\text{Th}/^{238}\text{U}$ isochron (Ludwig, 2003) derived initial $(^{230}\text{Th}/^{232}\text{Th})_{\text{activity}}$ of 0.44 ± 0.22 (atomic = 2.4 ± 1.2 ppm), unless denoted by **, then the initial $(^{230}\text{Th}/^{232}\text{Th})_{\text{activity}}$ is 0.70 ± 0.35 (atomic = 3.8 ± 1.9 ppm). The degree of detrital ^{230}Th contamination is indicated by the measured $(^{230}\text{Th}/^{232}\text{Th})$ activity ratio.

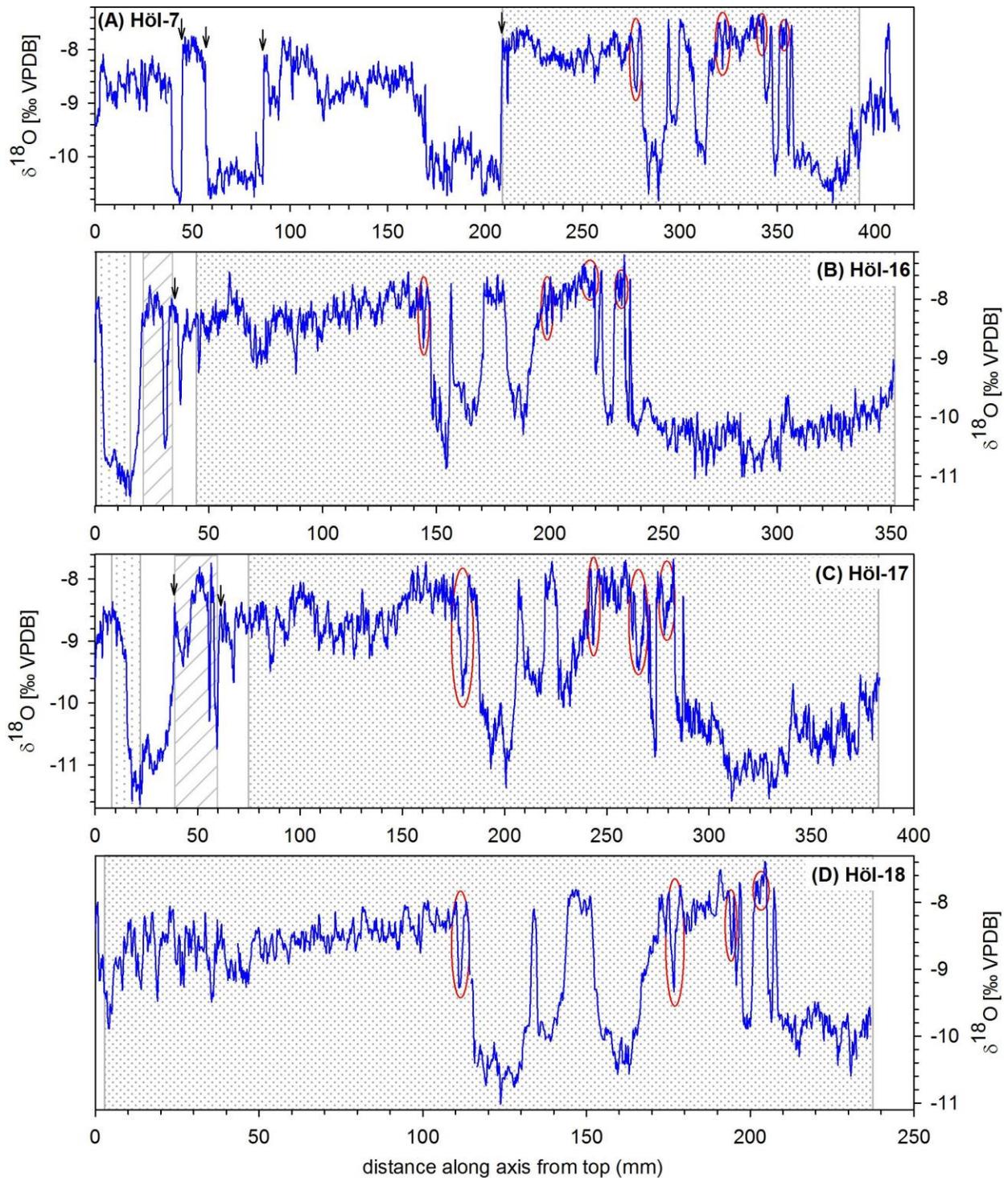
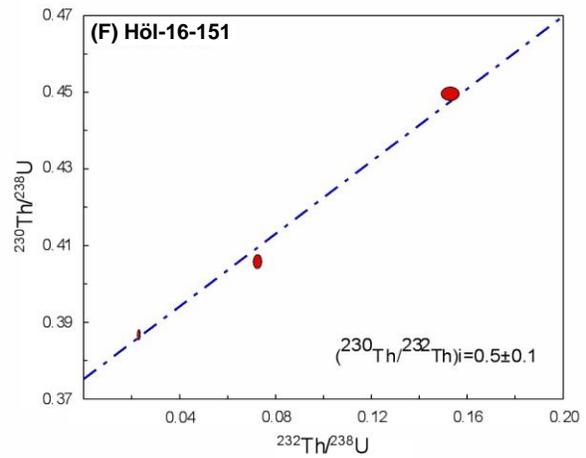
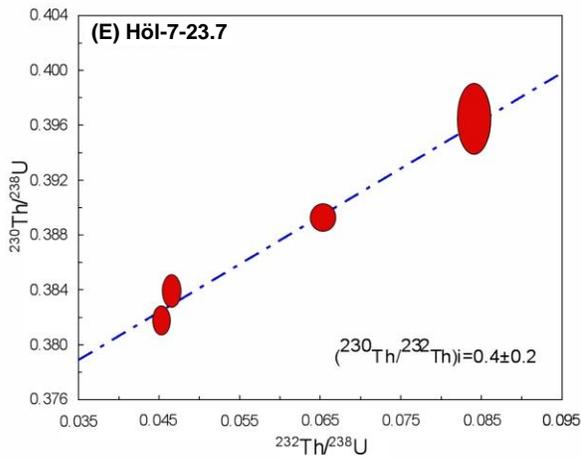
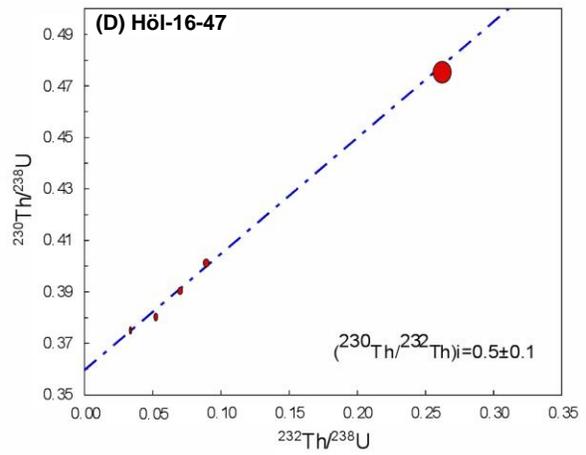
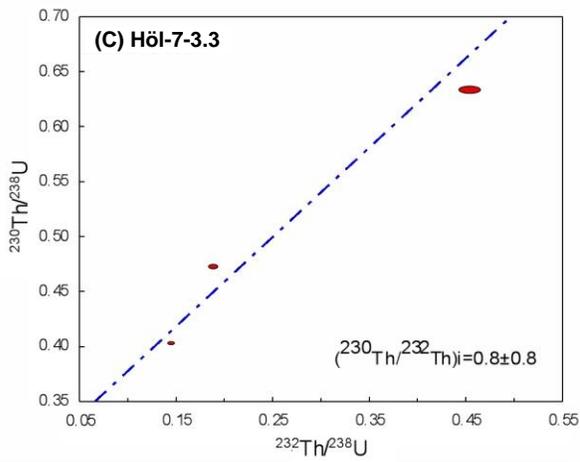
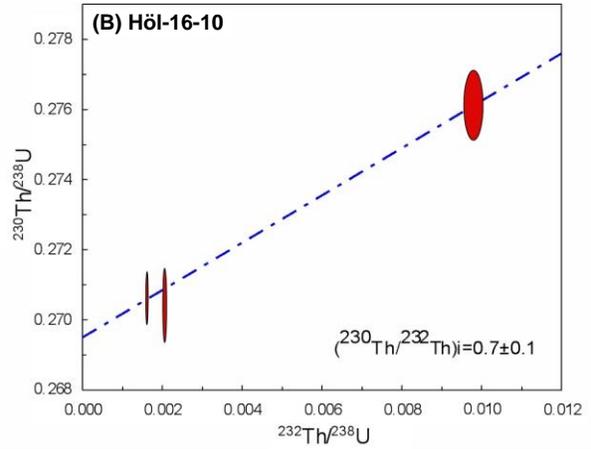
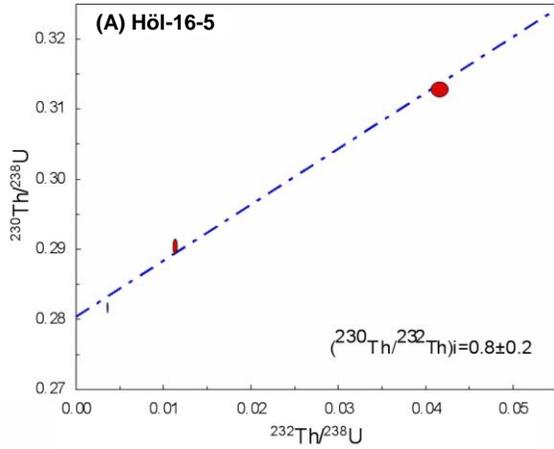


Figure DR3. $\delta^{18}\text{O}$ for four speleothems. (A) HöI-7, (B) HöI-16, (C) HöI-17, (D) HöI-18. Grey dotted boxes highlight similar $\delta^{18}\text{O}$ signatures recorded in different speleothems. Black arrows indicate the position of macroscopic hiatuses that were identified visually. Hatched grey boxes indicate high mud content and are thus not suitable for further analysis. Circles highlight smaller-scale shifts in $\delta^{18}\text{O}$ witnessed in all four speleothems. Note variable depth scale.



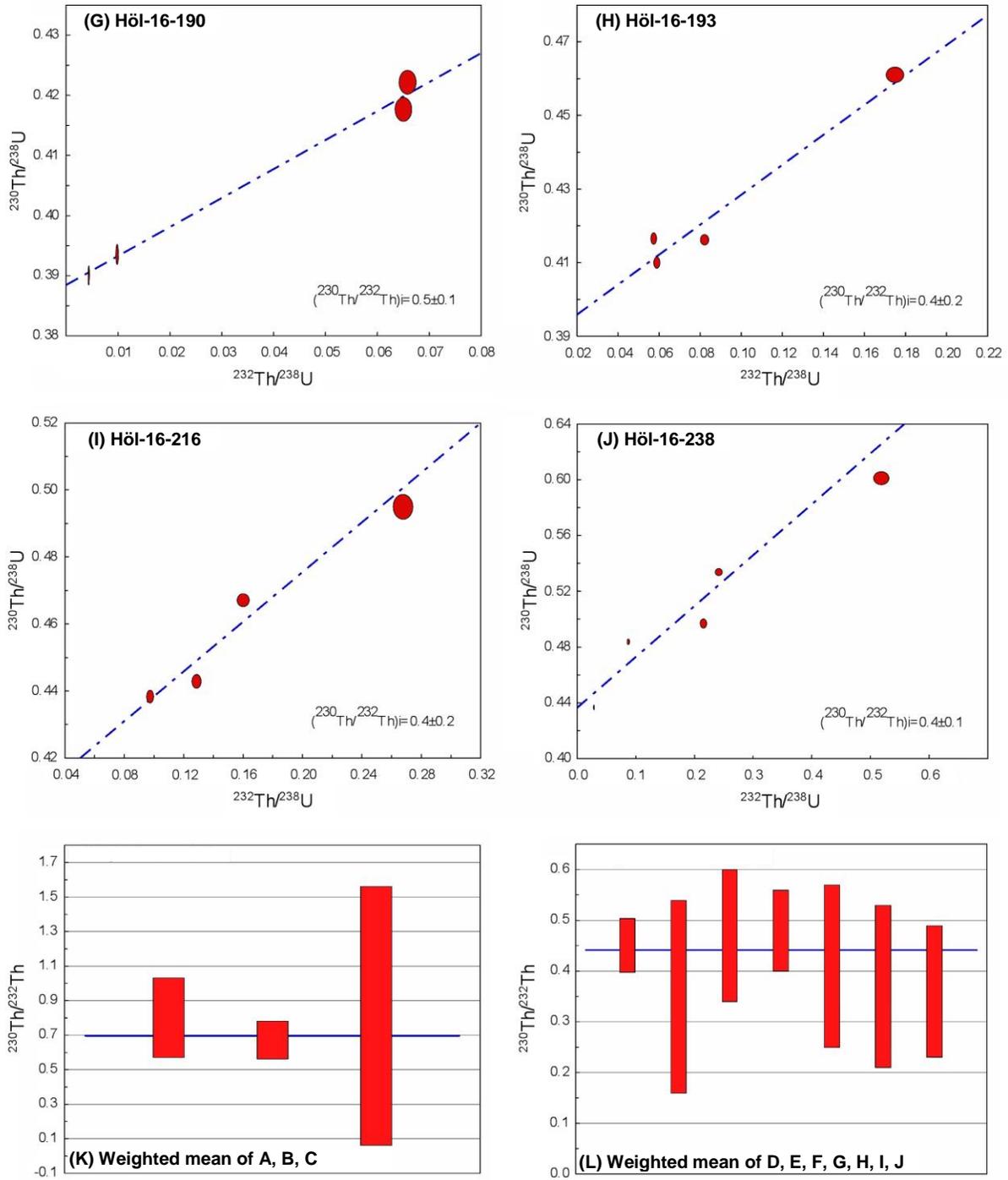


Figure DR4. $^{230}\text{Th}/^{238}\text{U}$ - $^{232}\text{Th}/^{238}\text{U}$ isochrons (Ludwig, 2003) (A, B, C, D, E, F, G, H, I, J) and weighted mean (K, L) plots. Weighted mean of K = 0.70 ± 0.10 and L = 0.44 ± 0.04 . Data point ellipses and boxes are 2σ uncertainty.

Table DR2. ($^{230}\text{Th}/^{232}\text{Th}$)_i for 10 speleothem growth layers. Subscript i denotes initial. *Before 1950 AD. Weighted mean calculated using Isoplot (Ludwig, 2003).

Sample	Interstadial (I) or Stadial (S)	Age (ka)*	($^{230}\text{Th}/^{232}\text{Th}$) _i activity
HÖL-16-5	S-8	35.9 ± 0.9	0.80 ± 0.23
HÖL-16-10	S-8	36.1 ± 0.1	0.67 ± 0.11
HÖL-7-3.3	S-10	41.0 ± 25.0	0.81 ± 0.75
Weighted Mean			0.70 ± 0.10
HÖL-16-47	I-14	52.5 ± 0.8	0.45 ± 0.05
HÖL-7-23.7	I-14	54.5 ± 2.3	0.35 ± 0.19
HÖL-16-151	S-15	55.0 ± 2.4	0.47 ± 0.13
HÖL-16-190	S-16	57.0 ± 0.7	0.48 ± 0.08
HÖL-16-193	S-16	57.2 ± 3.1	0.41 ± 0.16
HÖL-16-216	I-16	58.7 ± 4.8	0.37 ± 0.16
HÖL-16-238	S-18	63.1 ± 4.4	0.36 ± 0.13
Weighted Mean			0.44 ± 0.04

Note: despite the low uncertainties calculated for the weighted mean, we choose to use an uncertainty of 50% of the calculated $^{230}\text{Th}/^{232}\text{Th}(i)$, which is in keeping with standard methods used in ^{230}Th dating of speleothems. We therefore use a $^{230}\text{Th}/^{232}\text{Th}(i)$ activity of 0.70 ± 0.35 (atomic ratio: 3.8 ± 1.9 ppm), and 0.44 ± 0.22 (atomic ratio: 2.4 ± 1.2 ppm).

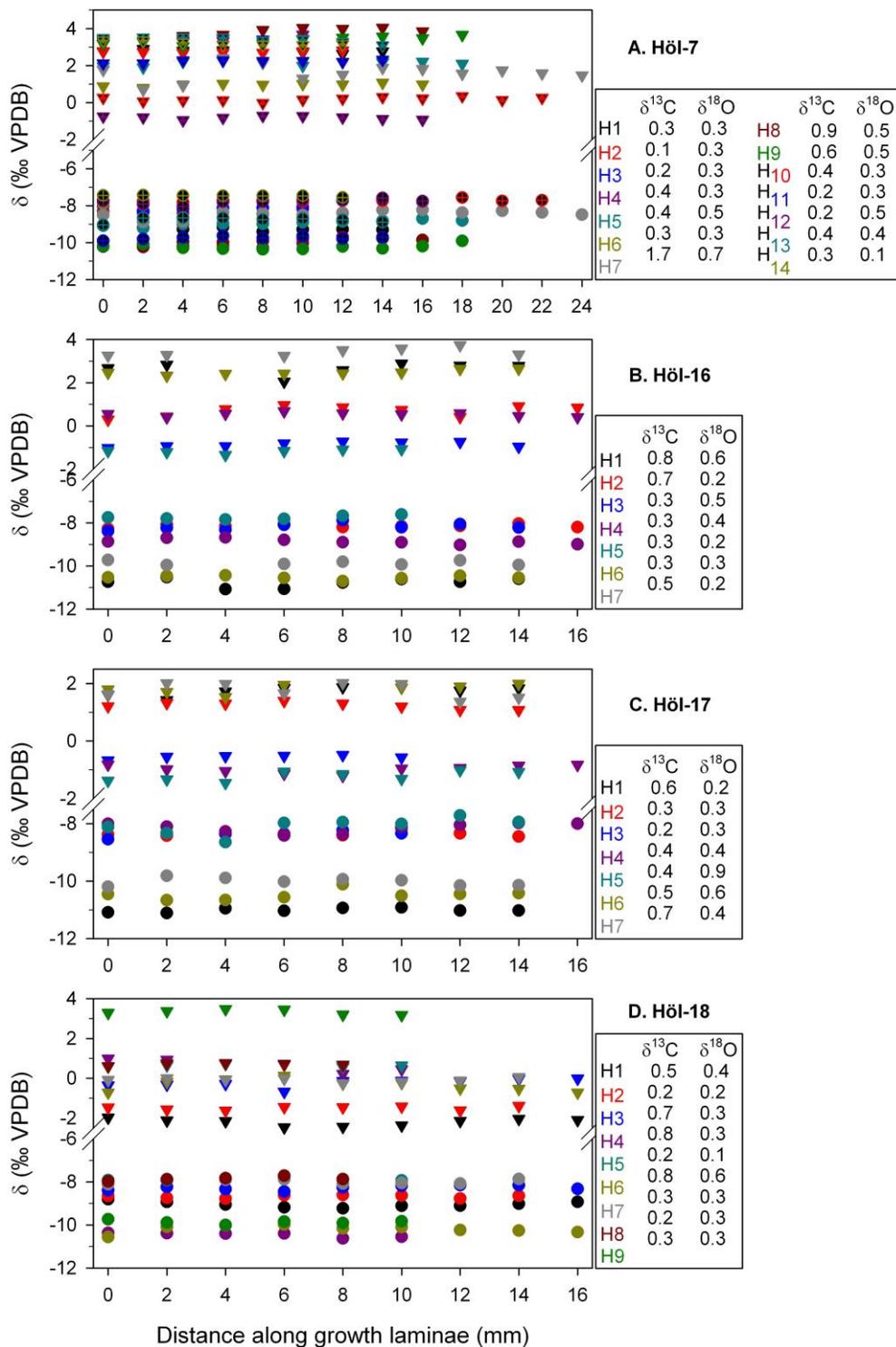


Figure DR5. Results from 37 “Hendy” tests undertaken on speleothems analysed in this study. (A) HöI-7; (B) HöI-16; (C) HöI-17, and; (D) HöI-18. ▼ = $\delta^{13}\text{C}$ measurements. ● = $\delta^{18}\text{O}$ measurements. Boxes on the right indicate the range in ‰ across specific growth layers as revealed by each Hendy test.

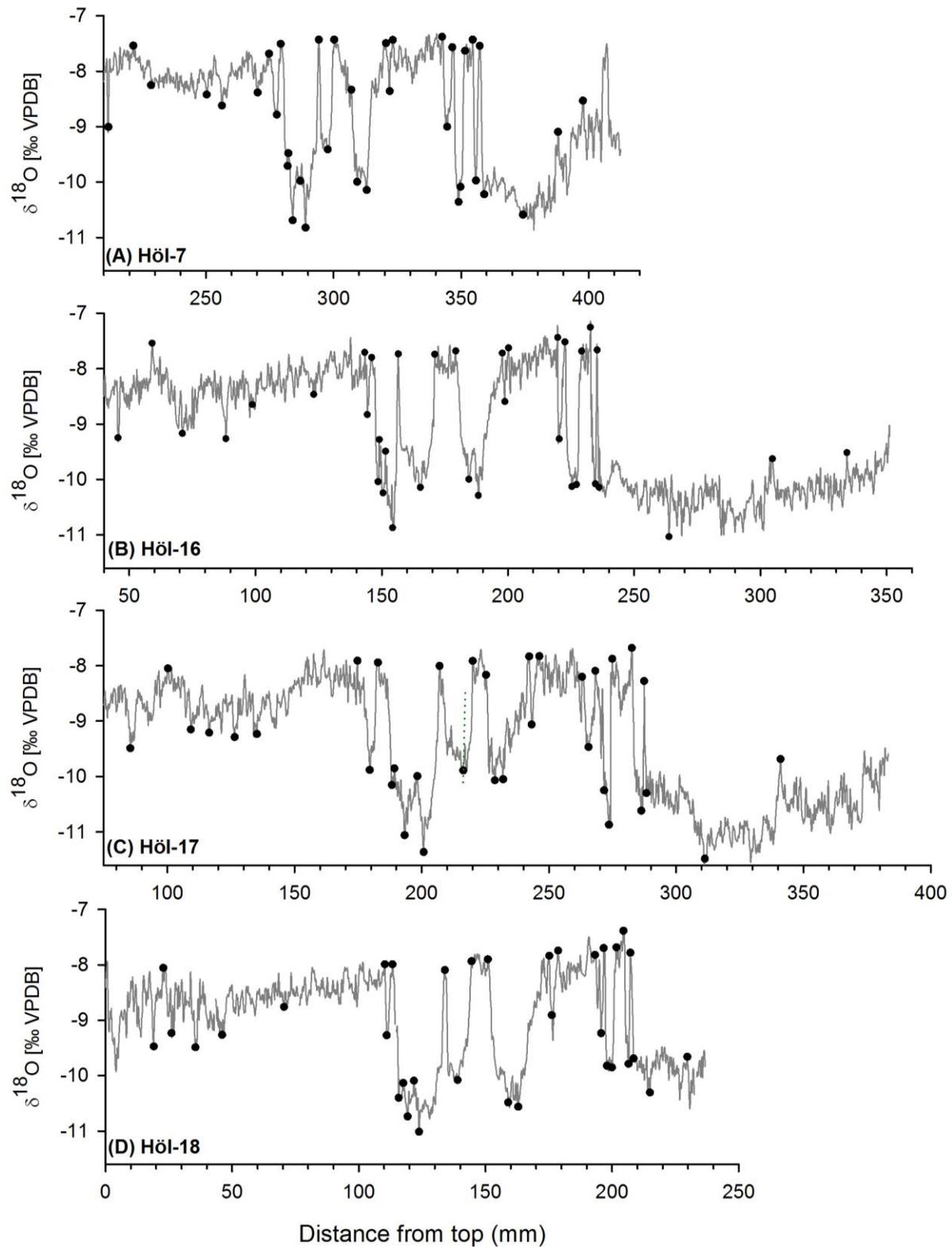


Figure DR6. Reproducible sections of $\delta^{18}\text{O}$ records in the four speleothems analysed in this study. ● mark common features (tie-points) across the four records that were used to translate HÖL-7, HÖL-17 and HÖL-18 onto a common depth scale based on HÖL-16 (see Figure DR7).

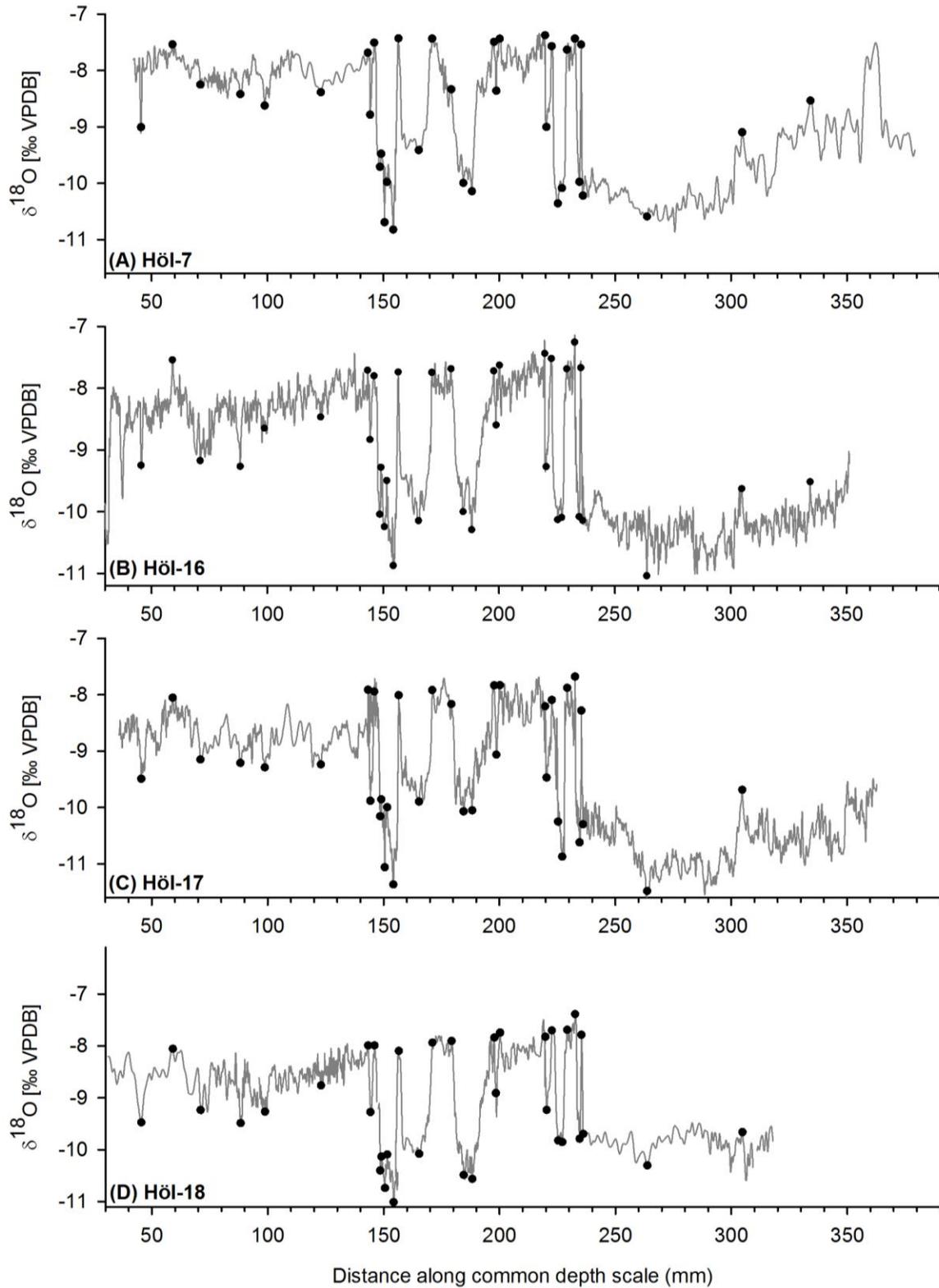


Figure DR7. Same data from figure DR6 plotted on a common depth scale. The $\delta^{18}\text{O}$ depth profiles of HÖL-7, HÖL-17 and HÖL-18 were translated onto that of HÖL-16 using common features (●) in all records and a cubic spline function.

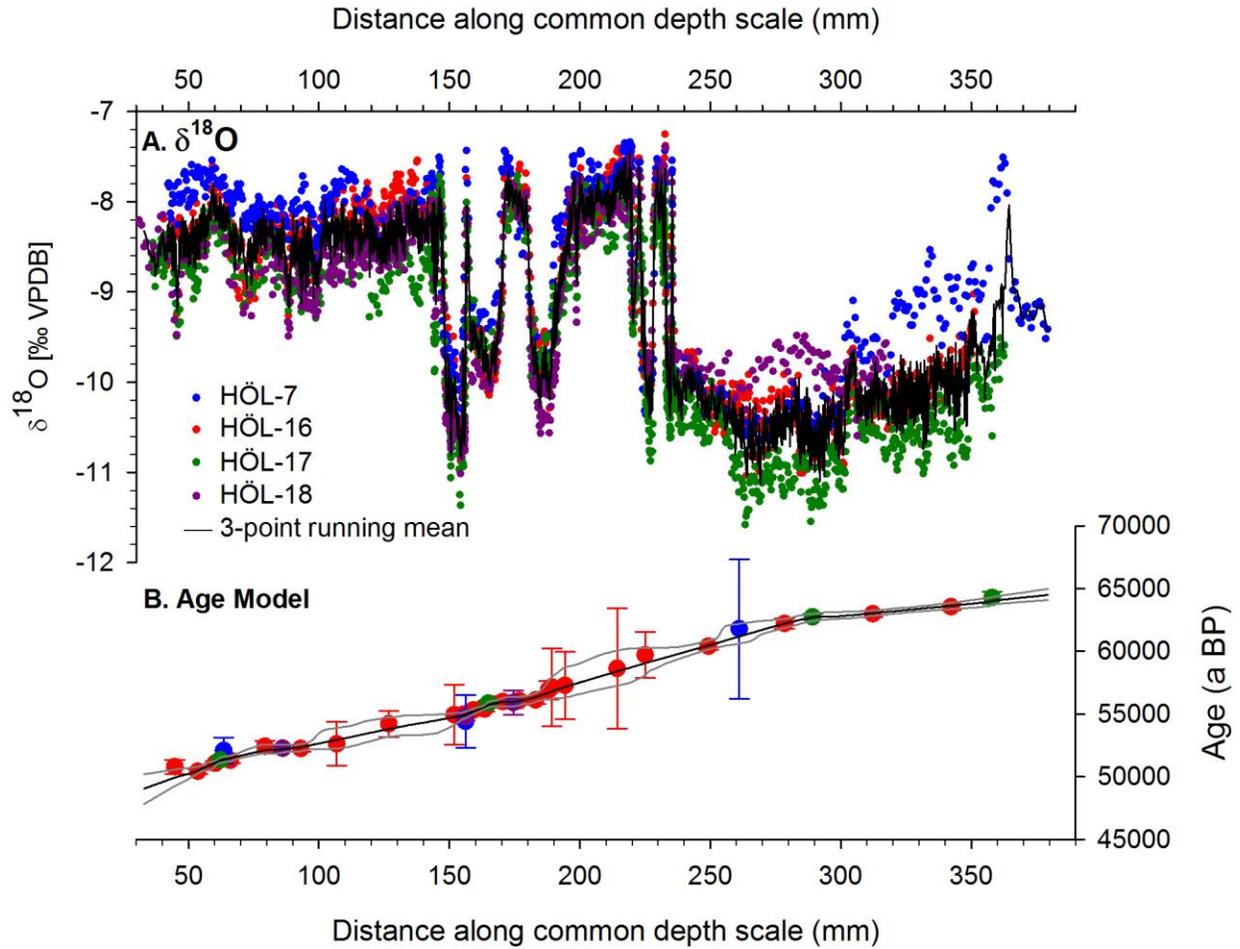


Figure DR8. Composite profile between 49-65 ka for (A) $\delta^{18}\text{O}$. ● represent individual data points for the four respective speleothems plotted on a common depth scale as shown in figure DR7. The black lines represent a 3-point running mean through the complete data set. **(B)** ^{230}Th ages with 2σ uncertainty plotted against depth, plus the StalAge (Scholz and Hoffmann, 2011) age model (black line) with 95% uncertainty (grey lines).

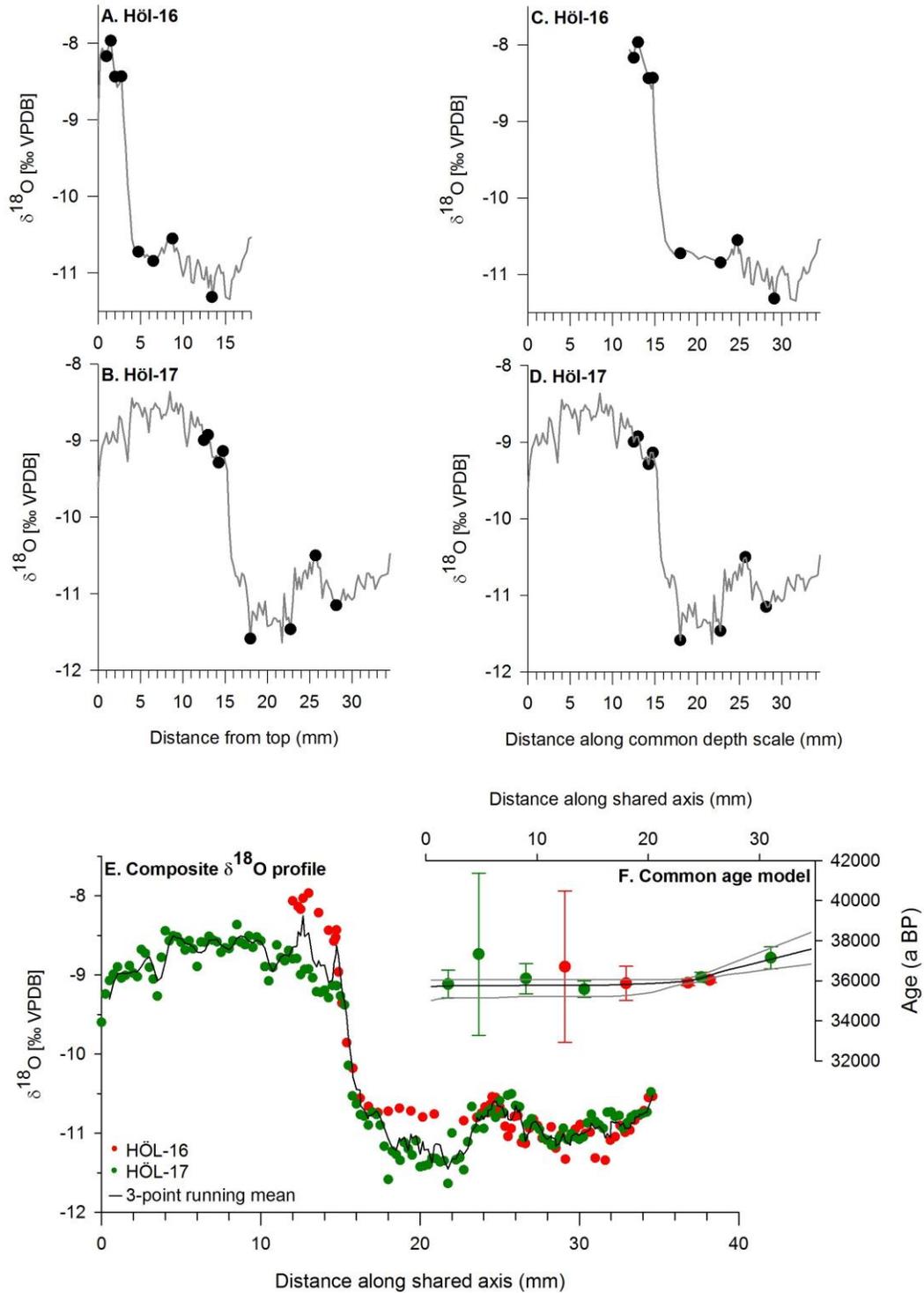


Figure DR9. Composite profile 35.5-36.7 ka. The same process was applied as for figures DR6-8, except here, the common depth scale is based on that of Höl-17.

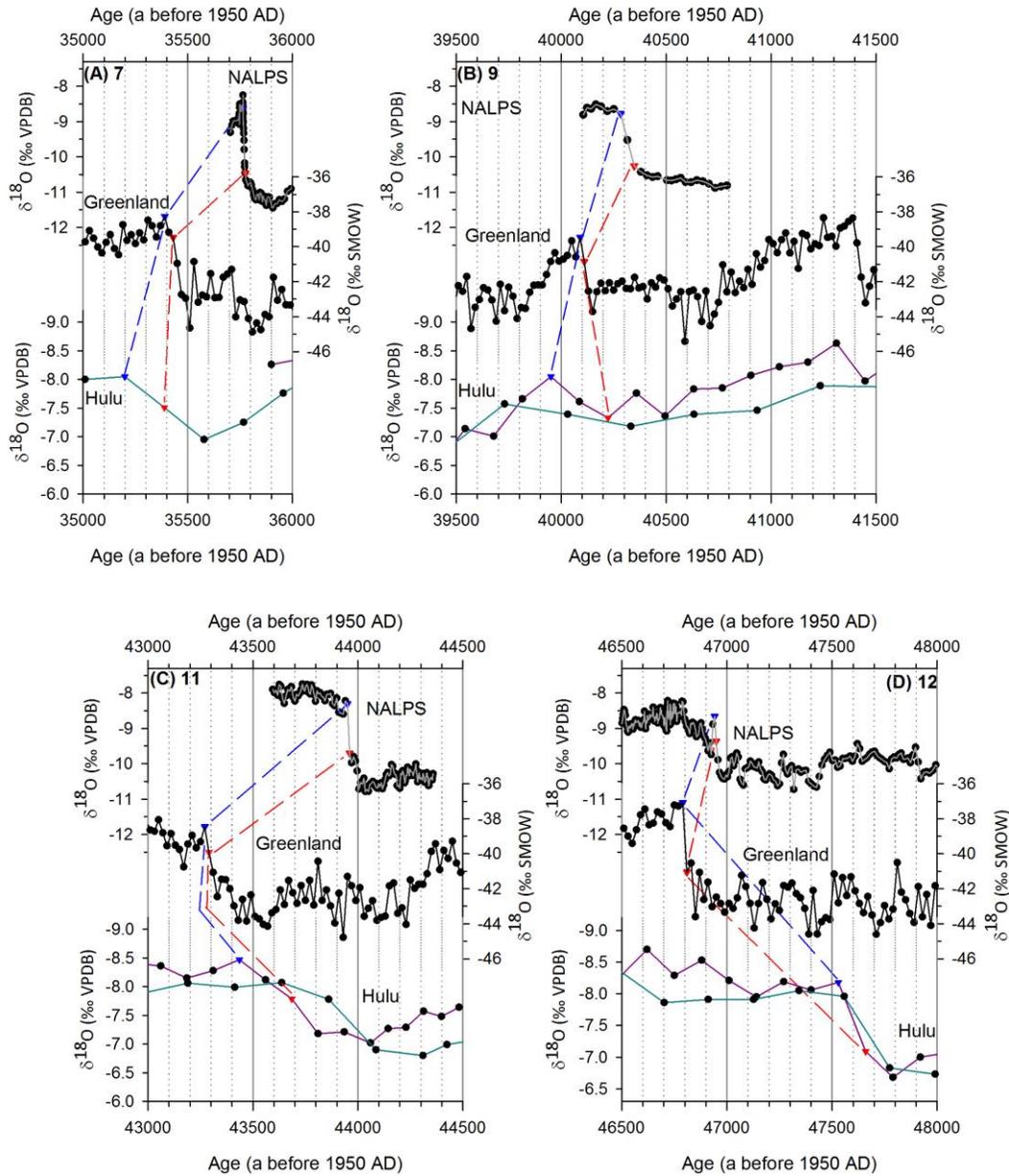


Figure DR10. Close-up views of DO transitions in the NALPS^{This Study}, Greenland (Svensson et al., 2008; Wolff et al., 2010) and Hulu (Wang et al., 2001) $\delta^{18}\text{O}$ records.

(A) transition into DO 7, **(B)** transition into DO 9, **(C)** transition into DO 11, **(D)** transition into DO 12.

The onset of DO events are defined in the same manner as the ice cores (Rasmussen et al., in press) i.e. the first data point of the steep part that clearly deviates from the base-level of the previous climate state (\blacktriangledown). The end of each rapid climate transition is defined as the final data point of the steep part (\blacktriangledown).

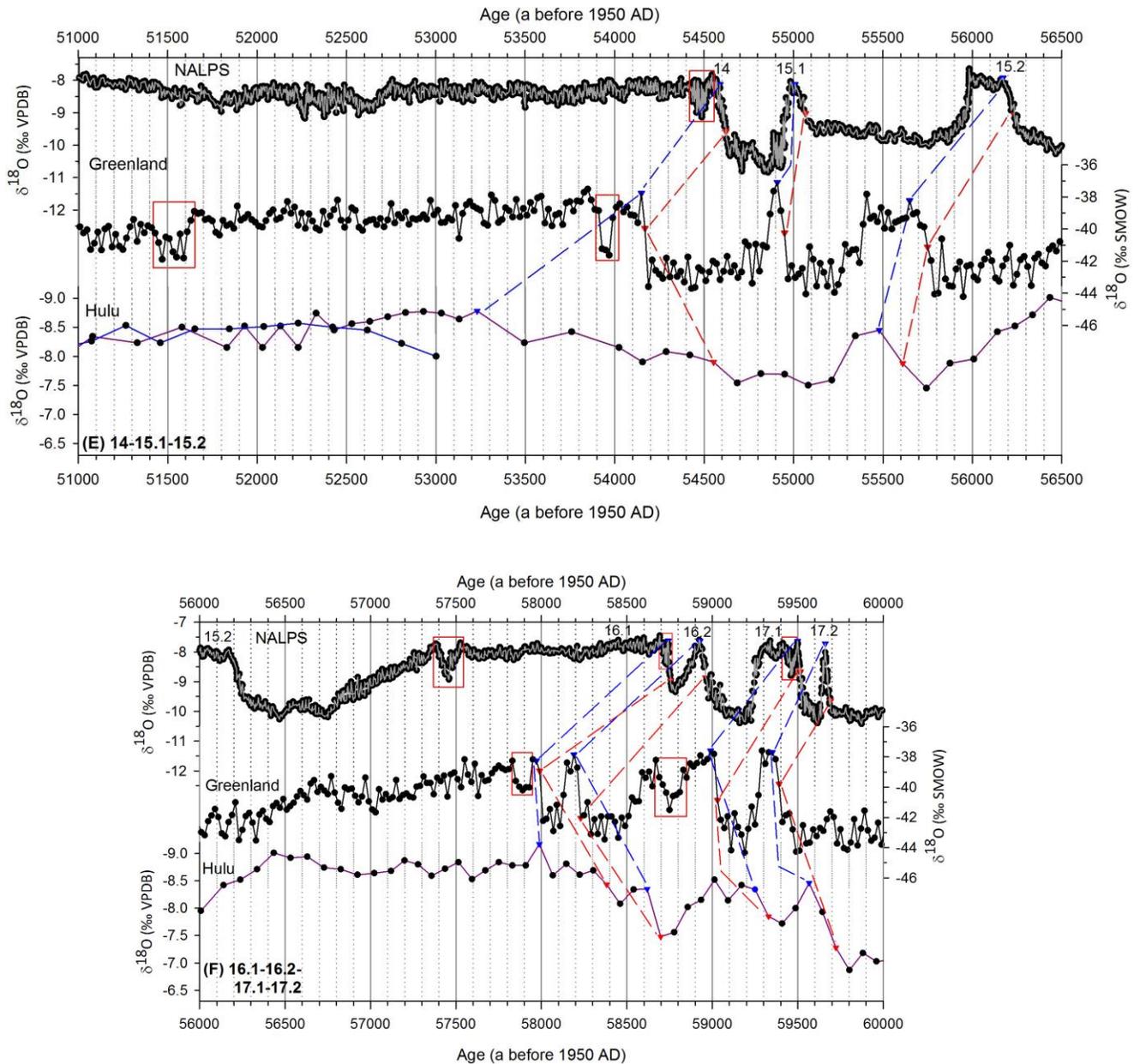


Figure DR10. Close-up views of DO transitions in the NALPS^{This Study}, Greenland (Svensson et al., 2008; Wolff et al., 2010) and Hulu (Wang et al., 2001) $\delta^{18}\text{O}$ records.

(E) transition into DO 14, 15.1 & 15.2, **(F)** transition into DO 16.1, 16.2, 17.1 & 17.2.

The onset of DO events are defined in the same manner as the ice cores (Rasmussen et al., in press) i.e. the first data point of the steep part that clearly deviates from the base-level of the previous climate state (\blacktriangledown). The end of each rapid climate transition is defined as the final data point of the steep part (\blacktriangledown). Red boxes (\square) in E & F highlight decadal-scale climatic cooling excursions discussed in main text.

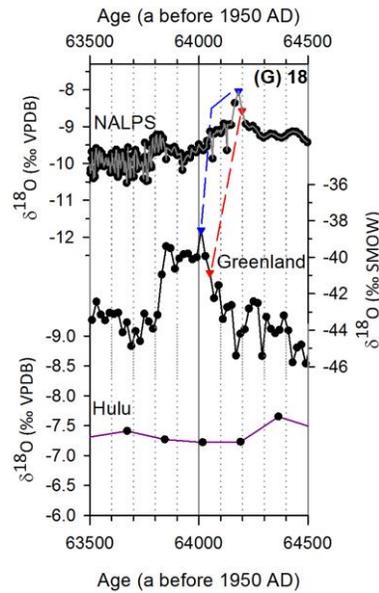


Figure DR10. Close-up views of DO transitions in the NALPS^{This Study}, Greenland (Svensson et al., 2008; Wolff et al., 2010) and Hulu (Wang et al., 2001) $\delta^{18}\text{O}$ records.

(G) transition into DO 18.

The onset of DO events are defined in the same manner as the ice cores (Rasmussen et al., in press) i.e. the first data point of the steep part that clearly deviates from the base-level of the previous climate state (▼). The end of each rapid climate transition is defined as the final data point of the steep part (▲).

Note about Figure DR10. We appreciate that the resolution and noise structure are different between the three records. However, for the sake of consistency within the literature, we have chosen here to use the first data point of the steep part that clearly deviates from the base-level of the previous climate state. This is in line with the new stratigraphic framework for Greenland (Rasmussen et al., in press). By being explicit here about which data points have been used, we hope that future studies can build on this framework.

Table DR3. MC-ICPMS ^{230}Th dating results of SPA-126

Sample (mm dft)	^{238}U [ng g ⁻¹]	^{232}Th [pg g ⁻¹]	$^{230}\text{Th} / ^{232}\text{Th}$ (activity)	$\delta^{234}\text{U}^*$ (measured)	$^{230}\text{Th} / ^{238}\text{U}^\dagger$ (activity)	Uncorrected Age (a)§	Corrected Age (a)#	$\delta^{234}\text{U}^*$ (initial)
Spa-126								
162	47728 ± 72	1552 ± 41	36987 ± 983	10.0 ± 1.4	0.3937 ± 0.0009	53812 ± 186	53811 ± 186	11.6 ± 1.7
170	57152 ± 91	1654 ± 45	41725 ± 1125	10.6 ± 1.4	0.3952 ± 0.0009	54033 ± 193	54032 ± 193	12.3 ± 1.6
179	53982 ± 79	681 ± 28	95280 ± 3985	7.7 ± 1.3	0.3931 ± 0.0008	53886 ± 177	53886 ± 177	9.0 ± 1.5
185	53933 ± 69	1587 ± 37	41080 ± 950	7.1 ± 1.5	0.3956 ± 0.0007	54368 ± 173	54367 ± 173	8.3 ± 1.7
188	63493 ± 103	1153 ± 36	66598 ± 2104	6.6 ± 1.4	0.3959 ± 0.0009	54452 ± 196	54451 ± 196	7.7 ± 1.7

dft = distance from top

All uncertainties are 2σ .

$$*\delta^{234}\text{U} = ([^{234}\text{U}/^{238}\text{U}]_{\text{activity}} - 1) \times 1000$$

$$\dagger [^{230}\text{Th}/^{238}\text{U}]_{\text{activity}} = 1 - e^{-\lambda_{230}T} + (\delta^{234}\text{U}_{\text{measured}}/1000) [\lambda_{230}/(\lambda_{230} - \lambda_{234})] (1 - e^{-(\lambda_{230} - \lambda_{234})T}), \text{ where } T \text{ is age in years.}$$

$$\lambda_{230} = 9.1705 \times 10^{-6} \text{ a}^{-1} \text{ (Cheng et al., 2013), } \lambda_{234} = 2.8221 \times 10^{-6} \text{ a}^{-1} \text{ (Cheng et al., 2013), } \lambda_{238} = 1.551 \times 10^{-10} \text{ a}^{-1} \text{ (Jaffey et al., 1971).}$$

§Years before measurement

#Years before 1950 AD. Corrected for detrital Th contamination using an initial $(^{230}\text{Th}/^{232}\text{Th})_{\text{activity}}$ derived from the silicate bulk earth of 0.8 ± 0.4 (atomic = 4.4 ± 2.2 ppm) (Wedepohl, 1995). The degree of detrital ^{230}Th contamination is indicated by the measured $(^{230}\text{Th}/^{232}\text{Th})$ activity ratio.

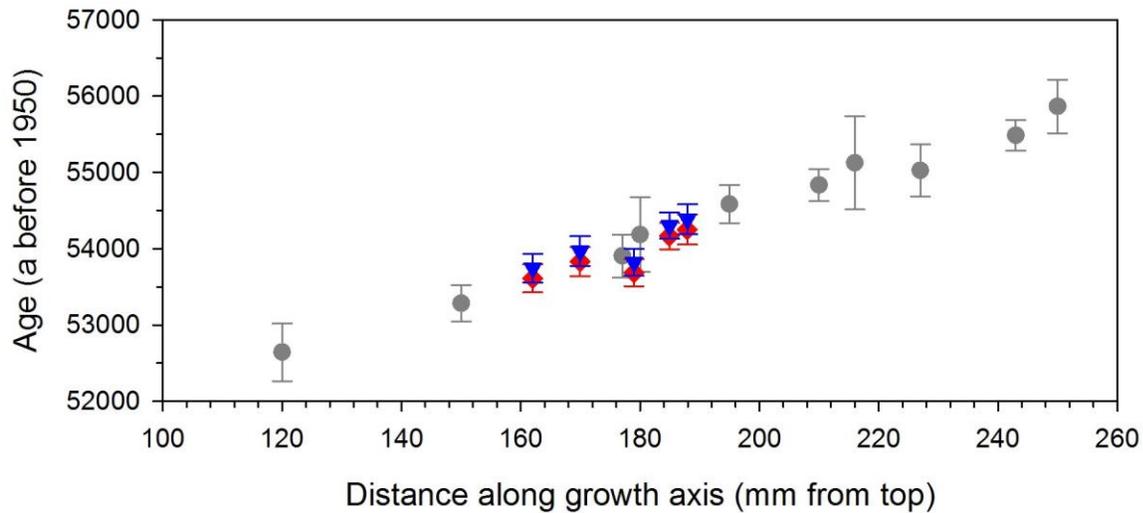


Figure DR11. Inter-laboratory comparison of SPA-126 ages with 2σ uncertainty. Grey circles (●) denote original TIMS ages from Heidelberg University (Spötl et al., 2006) with “old half lives” (Cheng et al., 2000); red diamonds (◆) denote MC-ICPMS ages from the University of Minnesota with “old” half lives (Cheng et al., 2000), and; blue triangles (▼) denote MC-ICPMS ages from the University of Minnesota with “new” half lives (Cheng et al., 2013).

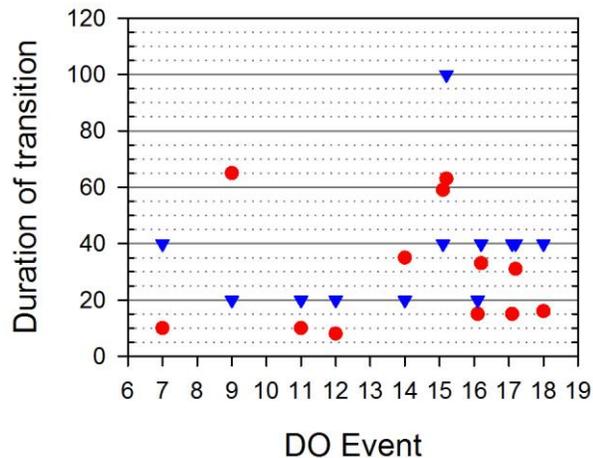


Figure DR12. Duration of transitions into DO events. ● NALPS^{This study}. ▼ Greenland ice cores (Svensson et al., 2008; Wolff et al., 2010)

References

- Cheng, H., Edwards, R.L., Hoff, J., Gallup, C.D., Richards, D.A., and Asmerom, Y., 2000, The half-lives of uranium-234 and thorium-230: *Chemical Geology*, v. 169, p. 17-33.
- Cheng, H., Lawrence Edwards, R., Shen, C.-C., Polyak, V.J., Asmerom, Y., Woodhead, J., Hellstrom, J., Wang, Y., Kong, X., Spötl, C., Wang, X., and Calvin Alexander Jr., E., 2013, Improvements in ^{230}Th dating, ^{230}Th and ^{234}U half-life values, and U-Th isotopic measurements by multi-collector inductively coupled plasma mass spectrometry: *Earth and Planetary Science Letters*, v. 371-372, p. 82-91.
- Jaffey, A.H., Flynn, K.F., Glendenin, L.E., Bentley, W.C., and Essling, A.M., 1971, Precision measurement of half-lives and specific activities of U^{235} and U^{238} : *Physical Reviews C*, v. 4, p. 1889-1906.
- Ludwig, K.R., 2003, User's manual for Isoplot 3.00, Berkeley Geochronology Center Special Publication No. 4.
- Rasmussen, S.O., Bigler, M., Blockley, S.P.E., Blunier, T., Buchardt, S.L., Clausen, H.B., Cvijanovic, I., Dahl-Jensen, D., Johnsen, S.J., Fischer, H., Gkinis, V., Guillevic, M., Hoek, W.Z., Lowe, J.J., Pedro, J., Popp, T., Seierstad, I.K., Steffensen, J.P., Svensson, A.M., Vallelonga, P., Vinther, B.M., Walker, M.J.C., Wheatley, J.J., and Winstrup, M., 2014, A stratigraphic framework for robust naming and correlation of abrupt climatic changes during the last glacial period based on three synchronized Greenland ice core records: *Quaternary Science Reviews*, (in press).
- Scholz, D., and Hoffman, D.L., 2011, StalAge - An algorithm designed for construction of speleothem age models: *Quaternary Geochronology*, v. 6, p. 369-382.
- Spötl, C., Mangini, A., and Richards, D.A., 2006, Chronology and paleoenvironment of Marine Isotope Stage 3 from two high-elevation speleothems, Austrian Alps: *Quaternary Science Reviews*, v. 25, p. 1127-1136.
- Spötl, C., Boch, R., and Wolf, A., 2011, Eiszeitliche Klimadynamik im Spiegel eines Stalagmiten aus dem Hölloch (Bayern/Vorarlberg): *Die Höhle*, v. 62, p. 46-53.
- Svensson, A., Anderson, K.K., Bigler, M., Clausen, H.B., Dahl-Jensen, D., Davies, S.M., Johnsen, S.J., Muscheler, R., Parrenin, F., Rasmussen, S.O., Röthlisberger, R., Seierstad, I., Steffensen, J.P., and Vinther, B.M., 2008, A 60,000 year Greenland stratigraphic ice core chronology: *Climate of the Past*, v. 4, p. 47-57.
- Wang, Y.J., Cheng, H., Edwards, R.L., An, Z.S., Wu, J.Y., Shen, C.-C., and Dorale, J.A., 2001, A high-resolution absolute-dated late Pleistocene monsoon record from Hulu Cave, China: *Science*, v. 294, p. 2345-2348.
- Wedepohl, K.H., 1995, The composition of the continental crust: *Geochimica et Cosmochimica Acta*, v. 59, p. 1217-1239.
- Wolf, A., 2006, Vermessung und Dokumentation der Höhle, in Stautz, G., and Wolf, A., *Das Hölloch im Mahdtal*, Sonthofen (Höhlenverein Sonthofen), p. 273-286.
- Wolff, E.W., Chappellaz, J., Blunier, T., Rasmussen, S.O., and Svensson, A., 2010, Millennial-scale variability during the last glacial: The ice core record: *Quaternary Science Reviews*, v. 29, p. 2828-2838.

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8.50	-8.53	35763	36051	35207	0
8.75	-8.51	35763	36051	35207	0
9.00	-8.52	35764	36051	35207	0
9.25	-8.57	35764	36051	35207	0
9.50	-8.59	35764	36051	35207	0
9.75	-8.56	35764	36051	35207	0
10.00	-8.58	35764	36051	35207	0
10.25	-8.66	35764	36051	35207	0
10.50	-8.85	35764	36051	35207	0
10.75	-8.96	35764	36051	35207	0
11.00	-8.87	35764	36051	35207	0
11.25	-8.77	35764	36051	35207	0
11.50	-8.74	35764	36051	35207	0
11.75	-8.76	35764	36051	35208	0
12.00	-8.65	35764	36051	35210	0
12.25	-8.64	35764	36051	35211	0
12.34	-8.45	35764	36051	35211	0
12.50	-8.50	35764	36051	35211	0
12.66	-8.25	35764	36051	35211	0
12.75	-8.51	35764	36051	35211	0
13.00	-8.47	35764	36051	35211	0
13.25	-8.80	35764	36051	35211	0
13.50	-8.90	35764	36051	35211	0
13.63	-8.82	35764	36051	35214	0
13.75	-8.88	35764	36051	35217	0
14.00	-8.88	35764	36051	35222	0
14.25	-9.09	35764	36051	35225	0
14.50	-9.06	35764	36051	35225	0
14.58	-8.86	35764	36051	35225	0
14.70	-8.74	35765	36051	35225	0
14.75	-8.63	35765	36051	35225	1
14.87	-8.76	35766	36052	35225	1
15.00	-9.00	35766	36052	35225	1
15.09	-9.20	35767	36052	35225	1
15.25	-9.33	35768	36052	35225	1
15.39	-9.53	35769	36052	35225	1

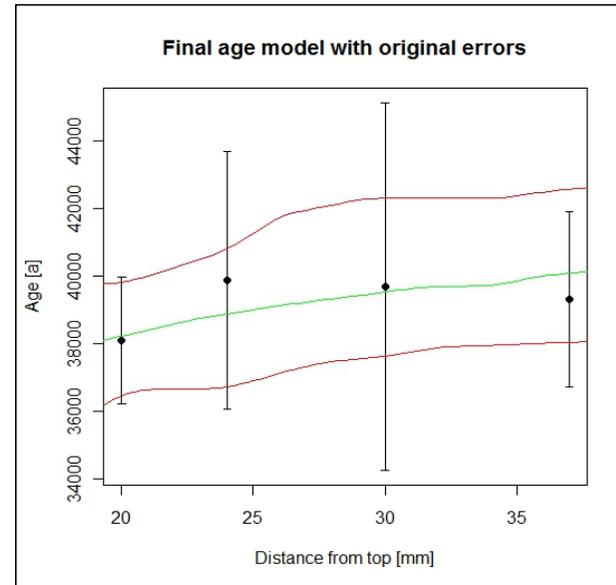
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24.27	-10.71	36067	36229	35920	17
24.41	-10.70	36085	36250	35935	12
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25.93	-10.75	36340	36537	36161	13
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26.25	-10.70	36398	36606	36208	23
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26.62	-11.10	36461	36686	36255	21
26.75	-11.02	36481	36714	36269	17
26.86	-10.98	36498	36738	36279	21
27.00	-10.88	36519	36768	36292	17
27.12	-10.86	36536	36794	36302	18

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28.23	-11.03	36684	37032	36374	3
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28.53	-11.16	36724	37097	36393	30
28.75	-11.13	36754	37144	36407	10
28.82	-11.09	36763	37159	36412	25
29.00	-11.01	36788	37199	36425	18
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31.75	-11.01	37177	37794	36630	28
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33.25	-10.88	37386	38117	36733	31
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33.75	-10.79	37457	38225	36768	3
33.77	-10.77	37460	38230	36770	33
34.00	-10.76	37493	38280	36786	8
34.06	-10.75	37501	38293	36790	27
34.25	-10.73	37528	38334	36804	13
34.34	-10.67	37541	38354	36810	22
34.50	-10.59	37563	38389	36822	15
34.61	-10.52	37578	38413	36829	
					Max 37
					Min 0.01

Probe (n=26)	Distance from top (mm)	$\delta^{18}O$ (‰ VPDB)	Age BP	Upper 95% Confidence Limit	Lower 95% Confidence Limit
HOL7-151	37.25	-8.81	40105	42597	38043
HOL7-152	37.50	-8.61	40123	42619	38049
HOL7-153	37.75	-8.64	40143	42644	38056
HOL7-154	38.00	-8.51	40165	42672	38063
HOL7-155	38.25	-8.57	40191	42706	38072
HOL7-156	38.50	-8.71	40220	42744	38081
HOL7-157	38.75	-8.64	40251	42785	38090
HOL7-158	39.00	-8.77	40283	42855	38101
HOL7-159	39.25	-9.53	40316	42944	38111
HOL7-160	39.50	-10.25	40348	43033	38122
HOL7-161	39.75	-10.43	40379	43121	38132
HOL7-162	40.00	-10.52	40409	43206	38142
HOL7-163	40.25	-10.57	40435	43286	38152
HOL7-164	40.50	-10.55	40460	43361	38161
HOL7-166	41.00	-10.66	40504	43504	38177
HOL7-167	41.25	-10.67	40526	43572	38184
HOL7-168	41.50	-10.64	40547	43640	38190
HOL7-169	41.75	-10.60	40570	43709	38196
HOL7-170	42.00	-10.72	40593	43779	38200
HOL7-171	42.25	-10.72	40619	43852	38204
HOL7-172	42.50	-10.66	40647	43926	38207
HOL7-173	42.75	-10.69	40675	44002	38210
HOL7-174	43.00	-10.76	40704	44078	38213
HOL7-175	43.25	-10.88	40733	44154	38216
HOL7-176	43.50	-10.84	40762	44230	38219
HOL7-177	43.75	-10.81	40790	44304	38223



U-Th Ages (n=4)		
depth	age	uncertainty
20.00	38094	1877
24.00	39881	3827
30.00	39693	5445
37.00	39319	2603

Years between samples

18
20
22
26
29
31
32
33
32
31
29
27
24
44
21
22
22
24
26
27
28
29
29
29
28
Max 44
Min 18

Max
Min

HOL7-215	53.25	-8.08	43827	44213	43013	8
HOL7-216	53.50	-8.12	43835	44213	43047	8
HOL7-217	53.75	-8.22	43843	44213	43081	9
HOL7-218	54.00	-8.04	43852	44213	43114	9
HOL7-219	54.25	-8.04	43860	44213	43148	9
HOL7-220	54.50	-8.01	43870	44213	43182	9
HOL7-221	54.75	-8.31	43879	44214	43216	10
HOL7-222	55.00	-8.36	43889	44215	43250	10
HOL7-223	55.25	-8.14	43899	44219	43284	10
HOL7-224	55.50	-8.54	43909	44225	43319	10
HOL7-225	55.75	-8.57	43919	44231	43353	10
HOL7-226	56.00	-8.60	43930	44238	43387	10
HOL7-227	56.25	-8.22	43940	44245	43421	10
HOL7-228	56.50	-8.30	43950	44252	43453	10
HOL7-229	56.75	-9.70	43960	44258	43483	10
HOL7-230	57.00	-9.98	43970	44263	43513	9
HOL7-231	57.25	-9.80	43979	44266	43540	9
HOL7-232	57.50	-9.93	43988	44268	43566	8
HOL7-233	57.75	-10.21	43997	44269	43590	8
HOL7-234	58.00	-10.72	44005	44269	43613	8
HOL7-235	58.25	-10.53	44013	44269	43635	8
HOL7-236	58.50	-10.58	44020	44269	43656	8
HOL7-237	58.75	-10.41	44028	44270	43677	7
HOL7-238	59.00	-10.79	44035	44270	43696	7
HOL7-239	59.25	-10.73	44043	44272	43715	7
HOL7-240	59.50	-10.78	44050	44274	43734	7
HOL7-241	59.75	-10.59	44057	44277	43752	7
HOL7-242	60.00	-10.55	44065	44282	43769	7
HOL7-243	60.25	-10.50	44072	44287	43785	7
HOL7-244	60.50	-10.54	44079	44294	43801	7
HOL7-245	60.75	-10.66	44085	44302	43814	7
HOL7-246	61.00	-10.69	44092	44312	43827	6
HOL7-247	61.25	-10.57	44098	44324	43838	6
HOL7-248	61.50	-10.64	44105	44336	43847	6
HOL7-249	61.75	-10.54	44111	44351	43855	6
HOL7-250	62.00	-10.71	44117	44367	43862	6
HOL7-251	62.25	-10.60	44123	44385	43868	6

HOL7-252	62.50	-10.45	44129	44405	43874	6
HOL7-253	62.75	-10.31	44135	44427	43878	6
HOL7-254	63.00	-10.25	44142	44451	43882	6
HOL7-255	63.25	-10.35	44148	44476	43886	6
HOL7-256	63.50	-10.30	44154	44503	43889	6
HOL7-257	63.75	-10.03	44160	44529	43892	6
HOL7-258	64.00	-10.07	44166	44554	43895	6
HOL7-259	64.25	-10.25	44172	44575	43898	5
HOL7-260	64.50	-10.30	44177	44585	43900	5
HOL7-261	64.75	-10.31	44182	44593	43902	5
HOL7-262	65.00	-10.62	44187	44598	43905	4
HOL7-263	65.25	-10.62	44191	44600	43907	3
HOL7-264	65.50	-10.65	44194	44600	43909	3
HOL7-265	65.75	-10.59	44197	44600	43911	3
HOL7-266	66.00	-10.69	44200	44600	43913	2
HOL7-267	66.25	-10.39	44202	44600	43915	2
HOL7-268	66.50	-10.27	44205	44600	43916	2
HOL7-269	66.75	-10.28	44207	44600	43917	2
HOL7-270	67.00	-10.32	44209	44600	43918	2
HOL7-271	67.25	-10.26	44211	44600	43919	2
HOL7-272	67.50	-10.20	44213	44600	43919	2
HOL7-273	67.75	-10.25	44215	44601	43919	2
HOL7-274	68.00	-10.29	44218	44603	43919	3
HOL7-275	68.25	-10.37	44220	44607	43919	3
HOL7-276	68.50	-10.54	44223	44611	43919	3
HOL7-277	68.75	-10.49	44226	44616	43919	3
HOL7-278	69.00	-10.34	44229	44622	43920	4
HOL7-279	69.25	-10.34	44233	44630	43921	4
HOL7-280	69.50	-10.10	44236	44643	43921	4
HOL7-281	69.75	-10.17	44240	44656	43923	4
HOL7-282	70.00	-10.34	44244	44669	43924	4
HOL7-283	70.25	-10.16	44248	44683	43925	4
HOL7-284	70.50	-10.20	44252	44697	43927	4
HOL7-285	70.75	-10.23	44256	44710	43928	3
HOL7-286	71.00	-10.25	44260	44723	43930	3
HOL7-287	71.25	-10.34	44263	44735	43931	3
HOL7-288	71.50	-10.29	44265	44747	43933	3

HOL7-289	71.75	-10.20	44268	44759	43934	3
HOL7-290	72.00	-10.19	44271	44770	43935	3
HOL7-291	72.25	-10.11	44273	44781	43936	3
HOL7-292	72.50	-10.01	44276	44792	43937	3
HOL7-293	72.75	-10.18	44279	44803	43938	3
HOL7-294	73.00	-10.36	44282	44814	43939	3
HOL7-295	73.25	-10.51	44285	44825	43940	3
HOL7-296	73.50	-10.37	44288	44837	43941	4
HOL7-297	73.75	-10.25	44292	44848	43942	4
HOL7-298	74.00	-10.44	44296	44860	43943	4
HOL7-299	74.25	-10.38	44299	44871	43944	4
HOL7-300	74.50	-10.41	44303	44883	43944	4
HOL7-301	74.75	-10.47	44307	44895	43945	3
HOL7-302	75.00	-10.28	44310	44907	43946	3
HOL7-303	75.25	-10.35	44313	44919	43946	3
HOL7-304	75.50	-10.45	44316	44931	43947	3
HOL7-305	75.75	-10.52	44319	44943	43948	3
HOL7-306	76.00	-10.49	44321	44955	43949	2
HOL7-307	76.25	-10.46	44324	44968	43950	2
HOL7-308	76.50	-10.27	44326	44980	43950	2
HOL7-309	76.75	-10.26	44329	44993	43951	2
HOL7-310	77.00	-10.37	44331	45007	43952	2
HOL7-311	77.25	-10.36	44333	45020	43953	2
HOL7-312	77.50	-10.62	44336	45034	43954	3
HOL7-313	77.75	-10.62	44338	45049	43955	2
HOL7-314	78.00	-10.47	44341	45063	43956	2
HOL7-315	78.25	-10.42	44343	45077	43957	2
HOL7-316	78.50	-10.40	44346	45092	43957	2
HOL7-317	78.75	-10.43	44348	45106	43958	2
HOL7-318	79.00	-10.40	44350	45121	43959	2
HOL7-319	79.25	-10.38	44352	45136	43960	2
HOL7-320	79.50	-10.46	44354	45150	43961	2
HOL7-321	79.75	-10.36	44356	45164	43962	2
HOL7-322	80.00	-10.28	44358	45179	43963	

Max 10
Min 2

HOL7-502	125.00	-8.94	46585	47087	45912	3
HOL7-503	125.25	-8.83	46588	47088	45915	3
HOL7-504	125.50	-8.97	46591	47089	45918	3
HOL7-505	125.75	-8.96	46595	47090	45921	3
HOL7-506	126.00	-8.84	46598	47091	45924	3
HOL7-507	126.25	-8.82	46602	47092	45926	3
HOL7-508	126.50	-8.75	46605	47094	45929	3
HOL7-509	126.75	-8.51	46608	47095	45931	3
HOL7-510	127.00	-8.79	46611	47097	45934	3
HOL7-511	127.25	-9.01	46614	47098	45936	3
HOL7-512	127.50	-8.78	46616	47100	45939	3
HOL7-513	127.75	-8.85	46619	47101	45941	3
HOL7-514	128.00	-8.64	46622	47103	45943	3
HOL7-515	128.25	-8.75	46625	47104	45945	3
HOL7-516	128.50	-8.76	46627	47106	45948	3
HOL7-517	128.75	-8.75	46630	47107	45950	3
HOL7-518	129.00	-8.60	46632	47108	45952	3
HOL7-519	129.25	-8.71	46635	47109	45954	3
HOL7-520	129.50	-8.65	46638	47111	45957	3
HOL7-521	129.75	-8.62	46641	47112	45959	3
HOL7-522	130.00	-8.65	46643	47113	45961	3
HOL7-523	130.25	-8.64	46646	47114	45963	3
HOL7-524	130.50	-8.40	46649	47115	45966	3
HOL7-525	130.75	-8.69	46652	47117	45968	3
HOL7-526	131.00	-8.67	46655	47118	45971	3
HOL7-527	131.25	-8.80	46658	47120	45973	3
HOL7-528	131.50	-8.66	46661	47121	45975	3
HOL7-529	131.75	-8.72	46664	47123	45976	3
HOL7-530	132.00	-8.57	46666	47125	45977	3
HOL7-531	132.25	-8.60	46669	47127	45977	3
HOL7-532	132.50	-8.85	46672	47128	45977	2
HOL7-533	132.75	-8.72	46674	47130	45977	2
HOL7-534	133.00	-8.77	46676	47131	45977	2
HOL7-535	133.25	-8.73	46678	47132	45977	2
HOL7-536	133.50	-8.68	46680	47133	45977	2
HOL7-537	133.75	-8.56	46682	47134	45977	2
HOL7-538	134.00	-8.42	46683	47135	45977	2

HOL7-539	134.25	-8.56	46685	47137	45977	2
HOL7-540	134.50	-8.60	46687	47138	45977	2
HOL7-541	134.75	-8.49	46688	47139	45977	2
HOL7-542	135.00	-8.63	46690	47141	45977	2
HOL7-543	135.25	-8.62	46692	47142	45977	2
HOL7-544	135.50	-8.62	46694	47144	45977	2
HOL7-545	135.75	-8.69	46696	47145	45977	2
HOL7-546	136.00	-8.69	46697	47147	45977	2
HOL7-547	136.25	-8.78	46699	47148	45977	2
HOL7-548	136.50	-8.92	46701	47150	45977	2
HOL7-549	136.75	-8.89	46703	47150	45977	2
HOL7-550	137.00	-8.69	46704	47151	45977	2
HOL7-551	137.25	-8.78	46706	47151	45977	1
HOL7-552	137.50	-8.83	46707	47152	45977	1
HOL7-553	137.75	-8.89	46709	47152	45977	1
HOL7-554	138.00	-8.94	46710	47152	45977	1
HOL7-555	138.25	-9.03	46711	47152	45977	1
HOL7-556	138.50	-9.07	46712	47152	45977	1
HOL7-557	138.75	-8.87	46713	47152	45977	1
HOL7-558	139.00	-8.79	46713	47152	45977	0
HOL7-559	139.25	-8.97	46714	47153	45977	0
HOL7-560	139.50	-9.07	46714	47153	45977	0
HOL7-561	139.75	-8.55	46714	47154	45977	0
HOL7-562	140.00	-8.54	46715	47154	45977	0
HOL7-563	140.25	-8.63	46715	47155	45977	0
HOL7-564	140.50	-8.51	46715	47156	45977	1
HOL7-565	140.75	-8.38	46716	47157	45977	0
HOL7-566	141.00	-8.37	46716	47158	45977	0
HOL7-567	141.25	-8.58	46717	47158	45977	0
HOL7-568	141.50	-8.62	46717	47159	45977	0
HOL7-569	141.75	-8.60	46718	47160	45977	0
HOL7-570	142.00	-8.50	46718	47161	45977	0
HOL7-571	142.25	-8.47	46718	47162	45977	0
HOL7-572	142.50	-8.39	46719	47163	45977	0
HOL7-573	142.75	-8.29	46719	47165	45977	0
HOL7-574	143.00	-8.39	46719	47166	45977	0
HOL7-575	143.25	-8.58	46719	47168	45977	0

HOL7-576	143.50	-8.57	46719	47170	45977	0
HOL7-577	143.75	-8.49	46719	47172	45977	0
HOL7-578	144.00	-8.59	46719	47174	45977	0
HOL7-579	144.25	-8.62	46719	47175	45977	0
HOL7-580	144.50	-8.64	46719	47177	45977	0
HOL7-581	144.75	-8.52	46719	47178	45977	0
HOL7-582	145.00	-8.35	46719	47179	45977	0
HOL7-583	145.25	-8.22	46719	47180	45977	0
HOL7-584	145.50	-8.40	46719	47181	45977	0
HOL7-585	145.75	-8.45	46719	47182	45977	0
HOL7-586	146.00	-8.52	46719	47183	45977	0
HOL7-587	146.25	-8.45	46719	47184	45977	0
HOL7-588	146.50	-8.51	46719	47185	45977	0
HOL7-589	146.75	-8.60	46720	47187	45977	1
HOL7-590	147.00	-8.64	46720	47189	45977	1
HOL7-591	147.25	-8.67	46721	47191	45977	1
HOL7-592	147.50	-8.68	46721	47194	45977	1
HOL7-593	147.75	-8.74	46723	47197	45977	1
HOL7-594	148.00	-8.69	46724	47200	45977	1
HOL7-595	148.25	-8.51	46726	47203	45977	1
HOL7-596	148.50	-8.61	46727	47206	45977	1
HOL7-597	148.75	-8.49	46728	47209	45977	1
HOL7-598	149.00	-8.56	46729	47212	45977	1
HOL7-599	149.25	-8.31	46730	47215	45977	1
HOL7-600	149.50	-8.34	46730	47218	45977	0
HOL7-601	149.75	-8.57	46731	47220	45977	0
HOL7-602	150.00	-8.58	46731	47223	45977	0
HOL7-603	150.25	-8.47	46731	47225	45977	0
HOL7-604	150.50	-8.66	46731	47227	45977	0
HOL7-605	150.75	-8.77	46731	47230	45977	0
HOL7-606	151.00	-8.66	46731	47231	45977	0
HOL7-607	151.25	-8.89	46731	47233	45978	0
HOL7-608	151.50	-8.82	46731	47235	45979	0
HOL7-609	151.75	-8.69	46731	47237	45980	0
HOL7-610	152.00	-8.47	46731	47238	45981	0
HOL7-611	152.25	-8.57	46731	47240	45982	0
HOL7-612	152.50	-8.38	46731	47242	45983	0

HOL7-613	152.75	-8.64	46731	47243	45984	0
HOL7-614	153.00	-8.80	46732	47245	45984	0
HOL7-615	153.25	-8.69	46732	47247	45984	0
HOL7-616	153.50	-8.59	46733	47249	45984	1
HOL7-617	153.75	-8.51	46733	47252	45984	1
HOL7-618	154.00	-8.38	46734	47254	45984	1
HOL7-619	154.25	-8.65	46735	47256	45984	1
HOL7-620	154.50	-8.75	46736	47259	45984	1
HOL7-621	154.75	-8.73	46737	47261	45984	1
HOL7-622	155.00	-8.54	46738	47264	45984	1
HOL7-623	155.25	-8.57	46739	47267	45984	1
HOL7-624	155.50	-8.63	46741	47269	45985	1
HOL7-625	155.75	-8.70	46742	47272	45985	1
HOL7-626	156.00	-8.53	46744	47275	45986	1
HOL7-627	156.25	-8.29	46745	47278	45987	1
HOL7-628	156.50	-8.46	46746	47280	45988	1
HOL7-629	156.75	-8.33	46747	47283	45990	1
HOL7-630	157.00	-8.48	46748	47285	45991	1
HOL7-631	157.25	-8.32	46749	47288	45992	1
HOL7-632	157.50	-8.58	46750	47290	45993	1
HOL7-633	157.75	-8.46	46750	47292	45995	1
HOL7-634	158.00	-8.51	46751	47295	45996	1
HOL7-635	158.25	-8.40	46752	47297	45998	1
HOL7-636	158.50	-8.30	46752	47300	45999	1
HOL7-637	158.75	-8.42	46753	47303	46001	1
HOL7-638	159.00	-8.38	46755	47305	46002	1
HOL7-639	159.25	-8.57	46756	47308	46004	2
HOL7-640	159.50	-8.39	46758	47312	46006	2
HOL7-641	159.75	-8.60	46759	47315	46008	2
HOL7-642	160.00	-8.81	46761	47318	46009	2
HOL7-643	160.25	-8.73	46764	47321	46011	2
HOL7-644	160.50	-8.56	46766	47324	46012	3
HOL7-645	160.75	-8.55	46768	47327	46014	3
HOL7-646	161.00	-8.54	46771	47330	46015	3
HOL7-647	161.25	-8.57	46774	47332	46016	3
HOL7-648	161.50	-8.52	46777	47335	46018	3
HOL7-649	161.75	-8.56	46780	47338	46019	3

HOL7-650	162.00	-8.63	46783	47341	46021	4
HOL7-651	162.25	-8.23	46787	47344	46023	4
HOL7-652	162.50	-8.25	46791	47348	46026	4
HOL7-653	162.75	-8.51	46795	47352	46030	4
HOL7-654	163.00	-8.73	46799	47356	46035	5
HOL7-655	163.25	-8.83	46804	47361	46040	5
HOL7-656	163.50	-8.95	46809	47366	46046	5
HOL7-657	163.75	-8.95	46813	47372	46052	5
HOL7-658	164.00	-9.05	46818	47377	46059	5
HOL7-659	164.25	-9.15	46823	47382	46066	5
HOL7-660	164.50	-8.85	46828	47387	46073	5
HOL7-661	164.75	-8.90	46833	47391	46080	5
HOL7-662	165.00	-8.83	46837	47395	46087	5
HOL7-663	165.25	-8.85	46842	47398	46094	5
HOL7-664	165.50	-8.93	46846	47401	46101	5
HOL7-665	165.75	-9.05	46851	47404	46108	5
HOL7-666	166.00	-9.24	46855	47407	46115	5
HOL7-667	166.25	-9.20	46860	47410	46122	5
HOL7-668	166.50	-9.17	46865	47413	46136	5
HOL7-669	166.75	-8.88	46871	47417	46150	6
HOL7-670	167.00	-8.84	46877	47422	46164	6
HOL7-671	167.25	-9.02	46883	47427	46178	7
HOL7-672	167.50	-9.20	46889	47432	46192	7
HOL7-673	167.75	-9.28	46896	47437	46206	7
HOL7-674	168.00	-9.42	46903	47443	46220	7
HOL7-675	168.25	-9.63	46911	47448	46234	7
HOL7-676	168.50	-9.41	46918	47454	46248	8
HOL7-677	168.75	-9.74	46926	47459	46263	8
HOL7-678	169.00	-8.88	46934	47463	46277	8
HOL7-679	169.25	-8.66	46941	47467	46291	8
HOL7-680	169.50	-9.36	46949	47471	46306	8
HOL7-681	169.75	-9.89	46957	47474	46320	8
HOL7-682	170.00	-10.25	46965	47477	46335	8
HOL7-683	170.25	-10.36	46973	47480	46350	8
HOL7-684	170.50	-10.42	46981	47484	46365	8
HOL7-685	170.75	-10.43	46988	47487	46380	7
HOL7-686	171.00	-10.32	46996	47490	46395	7

HOL7-687	171.25	-10.37	47003	47493	46411	7
HOL7-688	171.50	-10.22	47010	47497	46426	7
HOL7-689	171.75	-9.84	47017	47501	46442	7
HOL7-690	172.00	-9.80	47025	47505	46458	7
HOL7-691	172.25	-10.06	47032	47509	46474	7
HOL7-692	172.50	-9.93	47039	47513	46490	8
HOL7-693	172.75	-9.70	47047	47517	46506	8
HOL7-694	173.00	-9.81	47054	47522	46522	8
HOL7-695	173.25	-10.44	47062	47527	46539	8
HOL7-696	173.50	-10.54	47071	47532	46555	8
HOL7-697	173.75	-10.60	47079	47537	46572	8
HOL7-698	174.00	-10.15	47087	47542	46589	8
HOL7-699	174.25	-10.12	47095	47547	46606	8
HOL7-700	174.50	-10.09	47104	47552	46623	8
HOL7-701	174.75	-9.93	47112	47557	46640	8
HOL7-702	175.00	-9.98	47120	47562	46657	8
HOL7-703	175.25	-10.08	47128	47567	46674	8
HOL7-704	175.50	-10.10	47136	47572	46691	8
HOL7-705	175.75	-10.13	47144	47576	46708	8
HOL7-706	176.00	-9.95	47151	47582	46725	8
HOL7-707	176.25	-10.16	47160	47587	46741	8
HOL7-708	176.50	-10.22	47168	47593	46756	8
HOL7-709	176.75	-10.43	47176	47599	46771	9
HOL7-710	177.00	-10.46	47185	47605	46785	9
HOL7-711	177.25	-10.34	47194	47613	46798	9
HOL7-712	177.50	-10.29	47203	47620	46810	9
HOL7-713	177.75	-10.33	47212	47628	46822	9
HOL7-714	178.00	-10.45	47222	47635	46833	9
HOL7-715	178.25	-10.50	47231	47643	46843	9
HOL7-716	178.50	-10.63	47241	47651	46853	9
HOL7-717	178.75	-10.57	47250	47658	46862	9
HOL7-718	179.00	-9.98	47260	47665	46871	9
HOL7-719	179.25	-9.74	47269	47673	46879	9
HOL7-720	179.50	-10.16	47278	47680	46887	10
HOL7-721	179.75	-10.29	47288	47688	46894	10
HOL7-722	180.00	-10.12	47298	47696	46901	10
HOL7-723	180.25	-10.06	47308	47705	46907	10

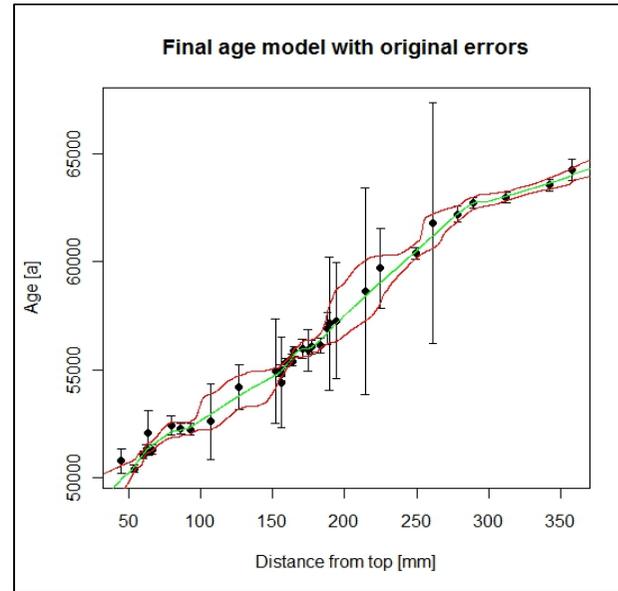
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HOL7-725	180.75	-10.18	47329	47726	46919	11
HOL7-726	181.00	-10.15	47340	47739	46924	12
HOL7-727	181.25	-10.24	47352	47753	46929	12
HOL7-728	181.50	-10.20	47364	47767	46934	12
HOL7-729	181.75	-10.19	47376	47783	46939	12
HOL7-730	182.00	-10.50	47389	47798	46944	13
HOL7-731	182.25	-10.57	47401	47814	46948	13
HOL7-732	182.50	-10.64	47414	47829	46953	13
HOL7-733	182.75	-10.66	47427	47844	46958	13
HOL7-734	183.00	-10.36	47439	47858	46963	13
HOL7-735	183.25	-10.04	47452	47872	46968	13
HOL7-736	183.50	-9.87	47465	47885	46973	13
HOL7-737	183.75	-9.77	47477	47899	46978	13
HOL7-738	184.00	-9.68	47490	47912	46983	12
HOL7-739	184.25	-9.91	47502	47925	46987	12
HOL7-740	184.50	-9.89	47515	47939	46992	12
HOL7-741	184.75	-10.10	47527	47954	46996	12
HOL7-742	185.00	-10.07	47539	47969	47000	12
HOL7-743	185.25	-9.85	47551	47986	47004	12
HOL7-744	185.50	-9.85	47562	48003	47007	12
HOL7-745	185.75	-9.84	47574	48021	47010	12
HOL7-746	186.00	-9.79	47586	48040	47013	12
HOL7-747	186.25	-9.93	47597	48060	47016	12
HOL7-748	186.50	-9.79	47609	48080	47019	12
HOL7-749	186.75	-9.43	47620	48102	47021	12
HOL7-750	187.00	-9.57	47632	48124	47023	12
HOL7-751	187.25	-9.93	47644	48146	47026	12
HOL7-752	187.50	-9.87	47655	48169	47028	12
HOL7-753	187.75	-9.83	47667	48191	47030	12
HOL7-754	188.00	-9.73	47679	48212	47032	12
HOL7-755	188.25	-9.67	47690	48233	47035	12
HOL7-756	188.50	-9.64	47702	48252	47037	12
HOL7-757	188.75	-9.77	47714	48269	47040	12
HOL7-758	189.00	-9.83	47726	48285	47043	12
HOL7-759	189.25	-9.87	47737	48298	47047	12
HOL7-760	189.50	-9.94	47749	48311	47050	12

HOL7-761	189.75	-9.97	47761	48323	47053	12
HOL7-762	190.00	-10.14	47772	48335	47057	11
HOL7-763	190.25	-9.86	47784	48346	47060	11
HOL7-764	190.50	-9.81	47795	48359	47064	11
HOL7-765	190.75	-9.84	47806	48373	47067	11
HOL7-766	191.00	-9.74	47817	48388	47070	11
HOL7-767	191.25	-9.70	47828	48404	47073	11
HOL7-768	191.50	-9.88	47839	48421	47075	11
HOL7-769	191.75	-9.86	47850	48438	47078	11
HOL7-770	192.00	-9.84	47862	48454	47080	11
HOL7-771	192.25	-9.98	47873	48469	47082	12
HOL7-772	192.50	-9.75	47885	48483	47084	12
HOL7-773	192.75	-9.53	47897	48494	47086	13
HOL7-774	193.00	-9.95	47910	48501	47088	13
HOL7-775	193.25	-10.43	47922	48504	47090	13
HOL7-776	193.50	-10.26	47936	48506	47093	14
HOL7-777	193.75	-10.23	47950	48507	47096	14
HOL7-778	194.00	-10.27	47964	48508	47101	15
HOL7-779	194.25	-10.19	47978	48508	47108	15
HOL7-780	194.50	-10.03	47993	48508	47116	15
HOL7-781	194.75	-10.15	48009	48508	47127	16
HOL7-782	195.00	-10.12	48024	48508	47140	16
HOL7-783	195.25	-10.09	48040	48508	47157	16
HOL7-784	195.50	-10.11	48056	48508	47178	16
HOL7-785	195.75	-9.99	48072	48508	47204	16
HOL7-786	196.00	-10.11	48088	48508	47235	16
HOL7-787	196.25	-10.20	48103	48508	47272	15
HOL7-788	196.50	-10.10	48119	48510	47317	15
HOL7-789	196.75	-10.08	48133	48513	47370	14
HOL7-790	197.00	-10.00	48148	48520	47431	14
HOL7-791	197.25	-9.88	48162	48532	47497	14
HOL7-792	197.50	-9.90	48175	48546	47567	13
HOL7-793	197.75	-9.99	48189	48562	47638	13
HOL7-794	198.00	-10.12	48202	48579	47706	13
HOL7-795	198.25	-10.56	48215	48597	47769	13
HOL7-796	198.50	-10.71	48228	48616	47825	13
HOL7-797	198.75	-10.71	48240	48634	47870	13

HOL7-798	199.00	-10.73	48253	48652	47903	13
HOL7-799	199.25	-10.70	48267	48669	47924	13
HOL7-800	199.50	-10.69	48280	48686	47936	13
HOL7-801	199.75	-10.49	48293	48703	47939	13
HOL7-802	200.00	-10.61	48306	48719	47939	13
HOL7-803	200.25	-10.67	48319	48736	47939	13
HOL7-804	200.50	-10.70	48332	48752	47939	13
HOL7-805	200.75	-10.55	48345	48768	47939	13
HOL7-806	201.00	-10.31	48358	48785	47940	13
HOL7-807	201.25	-10.24	48370	48801	47941	12
HOL7-808	201.50	-10.17	48383	48818	47945	12
HOL7-809	201.75	-10.27	48395	48834	47952	12
HOL7-810	202.00	-10.21	48407	48851	47960	12
HOL7-811	202.25	-10.08	48420	48868	47969	12
HOL7-812	202.50	-10.33	48432	48885	47978	12
HOL7-813	202.75	-10.39	48444	48902	47987	12
HOL7-814	203.00	-10.06	48457	48919	47995	13
HOL7-815	203.25	-9.97	48469	48937	48002	13
HOL7-816	203.50	-10.05	48482	48955	48009	13
HOL7-817	203.75	-10.00	48494	48973	48015	13
HOL7-818	204.00	-10.34	48507	48991	48021	12
HOL7-819	204.25	-10.35	48519	49009	48027	12
HOL7-820	204.50	-10.48	48532	49028	48033	12
HOL7-821	204.75	-10.32	48544	49047	48039	12
HOL7-822	205.00	-10.17	48556	49066	48046	12
HOL7-823	205.25	-10.19	48568	49085	48053	12
HOL7-824	205.50	-10.06	48580	49105	48060	12
HOL7-825	205.75	-10.15	48592	49124	48068	12
HOL7-826	206.00	-10.43	48604	49144	48075	12
HOL7-827	206.25	-10.23	48616	49163	48083	12
HOL7-828	206.50	-10.31	48628	49182	48090	12
HOL7-829	206.75	-10.36	48640	49202	48096	12
HOL7-830	207.00	-10.57	48652	49220	48103	12
HOL7-831	207.25	-10.63	48664	49239	48109	12

Max 16
Min 0.002

Probe (n=4150)	Distance from top (mm)	$\delta^{18}O$ (‰ VPDB)	Age BP	Upper 95% Confidence Limit	Lower 95% Confidence Limit
Composite	32.941	-8.32	49063	50197	47824
HOL-7	33.873	-8.40	49133	50227	47938
+	34.798	-8.56	49202	50257	48051
HOL-16	35.715	-8.58	49268	50286	48162
+	35.871	-8.67	49280	50291	48181
HOL-17	36.099	-8.65	49296	50298	48209
+	36.327	-8.61	49312	50305	48237
HOL-18	36.556	-8.59	49329	50312	48265
	36.625	-8.52	49334	50314	48273
	36.785	-8.63	49345	50319	48292
	37.013	-8.67	49362	50326	48320
	37.242	-8.82	49379	50333	48348
	37.471	-8.80	49395	50340	48376
	37.530	-8.76	49400	50342	48384
	37.699	-8.68	49412	50347	48404
	37.928	-8.70	49429	50354	48433
	38.157	-8.72	49446	50362	48461
	38.386	-8.70	49463	50369	48489
	38.429	-8.55	49466	50370	48494
	38.615	-8.48	49480	50376	48517
	38.844	-8.46	49497	50384	48546
	39.073	-8.58	49514	50392	48574
	39.302	-8.59	49532	50399	48603
	39.324	-8.46	49533	50400	48605
	39.531	-8.37	49549	50407	48631
	39.761	-8.34	49566	50415	48660
	39.990	-8.43	49583	50423	48688
	40.000	-8.46	49584	50424	48690
	40.214	-8.36	49600	50431	48716
	40.219	-8.42	49601	50431	48717
	40.250	-8.31	49603	50432	48721
	40.449	-8.54	49618	50439	48746
	40.500	-8.40	49622	50440	48752



U-Th Ages (n=35)		
depth	age	uncertainty
44.75	50795	569
53.50	50426	187
60.25	51066	168
62.13	51338	204
63.46	52093	1046
66.00	51313	226
79.25	52422	458
86.08	52269	251
93.00	52249	257
106.75	52623	1748
126.75	54214	1040
151.75	54937	2400
155.50	54982	279

Years between samples

70
69
67
11
16
16
16
5
12
17
17
17
17
4
12
17
17
17
3
14
17
17
2
16
17
17
1
16
0
2
15
4
13

40.678	-8.60	49635	50446	48774	155.96	54783	274	5
40.750	-8.48	49640	50449	48783	156.17	54422	2089	12
40.907	-8.65	49652	50454	48802	159.25	55319	194	7
41.000	-8.59	49659	50456	48814	163.00	55529	191	7
41.100	-8.57	49666	50460	48826	163.50	55387	202	3
41.137	-8.46	49669	50461	48831	164.89	55864	219	8
41.250	-8.48	49677	50464	48845	170.50	55980	466	9
41.366	-8.53	49686	50467	48859	174.46	55905	957	10
41.500	-8.58	49696	50471	48876	176.75	56065	322	7
41.596	-8.58	49703	50474	48888	183.00	56126	325	11
41.750	-8.63	49714	50479	48907	188.00	56897	740	6
41.825	-8.57	49720	50481	48916	189.25	57137	3100	12
41.984	-8.53	49731	50485	48935	194.25	57275	2689	1
42.000	-8.48	49733	50486	48937	214.25	58637	4800	4
42.055	-8.49	49737	50487	48944	225.00	59708	1840	3
42.097	-8.26	49740	50488	48949	249.25	60394	270	11
42.250	-8.26	49751	50493	48968	261.10	61795	5564	3
42.284	-8.25	49754	50494	48972	278.50	62211	391	9
42.412	-8.24	49763	50498	48988	289.21	62744	245	6
42.500	-8.23	49769	50500	48999	312.25	62991	242	1
42.514	-8.32	49770	50501	49001	342.25	63546	255	16
42.725	-8.34	49786	50507	49027	358.06	64276	485	1
42.744	-8.34	49787	50508	49029				0
42.750	-8.28	49788	50508	49030				8
42.865	-8.55	49796	50511	49044				8
42.973	-8.54	49804	50515	49057				2
43.000	-8.51	49806	50516	49061				3
43.037	-8.34	49809	50517	49065				12
43.203	-8.33	49821	50522	49086				3
43.250	-8.33	49825	50524	49091				7
43.348	-8.35	49832	50527	49103				6
43.433	-8.33	49838	50530	49114				5
43.500	-8.32	49843	50532	49122				12
43.657	-8.26	49855	50538	49141				0
43.662	-8.29	49855	50538	49142				6
43.744	-8.52	49861	50541	49152				0
43.750	-8.63	49862	50541	49153				11

43.892	-8.76	49872	50546	49170	5
43.966	-8.39	49878	50548	49179	3
44.000	-8.43	49880	50550	49183	9
44.122	-8.33	49889	50554	49198	9
44.250	-8.44	49899	50558	49213	2
44.274	-8.28	49900	50559	49216	6
44.351	-8.34	49906	50562	49225	11
44.500	-8.34	49917	50567	49243	6
44.581	-8.44	49923	50570	49252	3
44.622	-8.62	49926	50571	49257	9
44.750	-8.64	49935	50576	49271	4
44.811	-8.83	49940	50578	49278	6
44.887	-8.37	49945	50580	49287	8
45.000	-8.36	49954	50584	49300	3
45.041	-8.44	49957	50585	49304	11
45.194	-8.76	49968	50590	49321	4
45.250	-8.80	49972	50592	49327	1
45.270	-8.81	49973	50592	49329	16
45.500	-8.94	49990	50599	49354	16
45.730	-9.22	50006	50606	49378	5
45.806	-8.93	50011	50608	49385	10
45.959	-8.94	50021	50613	49401	3
46.000	-8.86	50024	50614	49405	7
46.113	-8.70	50032	50617	49417	5
46.189	-8.71	50036	50619	49424	12
46.378	-8.73	50048	50624	49443	3
46.419	-8.77	50051	50626	49447	5
46.500	-8.38	50056	50628	49455	9
46.649	-8.43	50065	50632	49470	4
46.726	-8.46	50069	50634	49478	1
46.750	-8.51	50071	50635	49480	7
46.878	-8.56	50078	50638	49493	7
47.000	-8.63	50085	50642	49505	2
47.034	-8.52	50086	50643	49508	11
47.250	-8.22	50097	50649	49529	0
47.256	-8.41	50098	50649	49530	4
47.343	-8.39	50102	50651	49538	7

47.500	-8.33	50109	50655	49554	3
47.567	-8.30	50112	50657	49560	4
47.652	-8.31	50116	50660	49569	6
47.797	-8.45	50123	50663	49583	7
47.963	-8.18	50130	50668	49600	2
48.000	-8.37	50132	50669	49604	1
48.027	-8.37	50133	50669	49606	5
48.135	-8.62	50138	50672	49617	5
48.250	-8.62	50143	50675	49629	0
48.256	-8.54	50143	50675	49629	1
48.275	-8.23	50144	50676	49631	9
48.486	-8.23	50153	50680	49653	1
48.500	-8.29	50153	50681	49654	4
48.588	-8.28	50157	50683	49663	6
48.716	-8.28	50163	50685	49677	2
48.750	-8.22	50165	50686	49680	7
48.903	-8.23	50172	50689	49697	2
48.945	-8.21	50174	50690	49701	3
49.000	-8.29	50176	50691	49707	1
49.016	-8.57	50177	50691	49709	8
49.175	-8.61	50185	50694	49726	2
49.219	-8.31	50187	50695	49731	2
49.250	-8.33	50189	50695	49734	8
49.404	-8.31	50197	50697	49751	5
49.500	-8.55	50202	50699	49762	2
49.538	-8.30	50204	50699	49766	5
49.634	-8.31	50209	50701	49777	6
49.750	-8.34	50216	50703	49790	6
49.858	-8.40	50222	50704	49803	0
49.863	-8.45	50222	50705	49803	2
49.900	-8.48	50224	50705	49808	6
50.000	-8.70	50230	50707	49819	6
50.093	-8.72	50236	50708	49830	5
50.181	-8.51	50241	50710	49840	4
50.250	-8.43	50245	50711	49848	5
50.322	-8.41	50250	50713	49857	12
50.500	-8.52	50262	50717	49878	0

50.506	-8.36	50262	50717	49879	3
50.551	-8.36	50265	50718	49884	14
50.750	-8.42	50278	50723	49908	2
50.781	-8.69	50281	50724	49912	0
50.786	-8.60	50281	50724	49912	3
50.834	-8.41	50284	50725	49918	12
51.000	-8.30	50296	50731	49938	1
51.010	-8.43	50297	50731	49940	11
51.164	-8.31	50308	50736	49958	6
51.239	-8.40	50314	50739	49968	1
51.250	-8.22	50315	50739	49969	17
51.469	-8.57	50332	50748	49996	2
51.497	-8.20	50334	50749	50000	0
51.500	-8.23	50334	50749	50000	14
51.676	-8.16	50348	50757	50022	2
51.698	-8.52	50350	50758	50025	4
51.750	-8.45	50354	50760	50031	7
51.833	-8.26	50361	50764	50042	8
51.927	-8.37	50369	50768	50054	6
52.000	-8.40	50375	50771	50063	13
52.156	-8.72	50388	50778	50083	1
52.173	-8.35	50389	50779	50085	7
52.250	-8.40	50396	50783	50095	11
52.385	-8.43	50407	50789	50113	10
52.500	-8.57	50417	50794	50128	1
52.515	-8.42	50418	50795	50130	5
52.571	-8.28	50423	50797	50138	4
52.614	-8.47	50427	50799	50143	12
52.750	-8.64	50439	50805	50161	8
52.843	-8.75	50447	50808	50174	2
52.861	-8.33	50448	50809	50176	12
53.000	-8.20	50460	50814	50195	6
53.072	-8.23	50467	50817	50205	12
53.211	-8.21	50479	50822	50224	3
53.250	-8.31	50482	50823	50230	4
53.301	-8.32	50487	50825	50237	15
53.470	-8.63	50501	50831	50260	3

53.500	-8.60	50504	50832	50264	3
53.529	-8.58	50507	50833	50268	3
53.565	-8.25	50510	50835	50273	16
53.750	-8.35	50526	50842	50298	1
53.758	-8.34	50527	50842	50299	15
53.922	-8.37	50541	50848	50321	6
53.987	-8.44	50547	50851	50329	1
54.000	-8.34	50548	50852	50331	19
54.215	-8.63	50567	50862	50358	3
54.250	-8.47	50571	50864	50362	3
54.284	-8.17	50574	50865	50367	8
54.375	-8.14	50582	50870	50377	6
54.444	-8.17	50588	50874	50385	5
54.500	-8.42	50593	50878	50392	14
54.650	-8.17	50607	50888	50408	2
54.673	-8.16	50609	50889	50410	7
54.750	-8.17	50616	50895	50418	14
54.901	-8.42	50630	50907	50433	9
55.000	-8.40	50639	50916	50442	2
55.020	-8.11	50641	50917	50444	10
55.129	-8.12	50651	50928	50453	11
55.250	-8.16	50662	50940	50462	3
55.285	-8.44	50665	50944	50465	7
55.358	-8.34	50672	50951	50470	3
55.395	-8.11	50676	50955	50473	10
55.500	-8.05	50686	50967	50479	8
55.586	-8.06	50694	50977	50485	16
55.750	-8.24	50709	50996	50493	2
55.774	-8.07	50712	50999	50495	4
55.814	-8.03	50715	51003	50497	18
56.000	-8.04	50733	51025	50505	4
56.042	-8.26	50737	51030	50506	11
56.159	-8.11	50748	51044	50510	4
56.202	-8.23	50752	51049	50512	5
56.250	-8.20	50757	51054	50513	2
56.270	-8.57	50759	51056	50514	22
56.498	-8.52	50780	51081	50519	0

56.500	-8.50	50781	51081	50519	5
56.548	-8.23	50785	51086	50520	17
56.726	-8.26	50802	51104	50523	2
56.750	-8.22	50804	51106	50523	18
56.943	-8.19	50822	51123	50525	1
56.954	-8.16	50823	51123	50525	4
57.000	-8.17	50827	51127	50525	12
57.127	-8.38	50839	51136	50526	5
57.181	-8.33	50844	51140	50526	6
57.250	-8.38	50850	51144	50526	9
57.343	-8.12	50859	51149	50526	6
57.409	-8.15	50865	51153	50526	8
57.500	-8.13	50873	51157	50526	12
57.637	-8.35	50886	51163	50527	10
57.748	-8.14	50896	51168	50529	10
57.864	-8.12	50906	51172	50531	12
58.000	-8.07	50918	51177	50534	5
58.059	-8.21	50924	51179	50536	3
58.091	-8.18	50927	51180	50537	6
58.160	-8.01	50933	51182	50539	8
58.250	-8.04	50941	51185	50544	6
58.319	-8.07	50947	51187	50547	16
58.500	-8.19	50963	51193	50559	4
58.546	-8.21	50967	51194	50563	3
58.577	-8.00	50970	51195	50566	15
58.750	-7.94	50985	51201	50583	2
58.773	-7.87	50987	51202	50585	20
59.000	-7.92	51007	51211	50615	20
59.227	-8.00	51027	51221	50653	2
59.250	-7.84	51029	51223	50657	16
59.429	-7.82	51045	51232	50692	2
59.454	-7.86	51047	51234	50697	4
59.500	-7.93	51052	51237	50706	16
59.683	-8.13	51068	51248	50746	6
59.750	-8.01	51074	51253	50760	10
59.864	-7.95	51084	51261	50786	4
59.912	-7.94	51088	51265	50797	3

59.949	-8.08	51091	51268	50805	5
60.000	-8.22	51096	51272	50817	13
60.144	-8.21	51109	51284	50850	9
60.250	-8.15	51118	51293	50874	5
60.303	-8.01	51123	51298	50886	7
60.378	-7.93	51130	51305	50902	11
60.500	-7.92	51141	51317	50928	10
60.615	-8.12	51151	51328	50952	12
60.747	-8.04	51163	51343	50978	10
60.855	-8.11	51173	51355	50997	5
60.905	-8.07	51178	51361	51006	9
61.000	-8.13	51186	51372	51021	9
61.100	-8.20	51196	51384	51036	9
61.194	-8.07	51204	51396	51049	14
61.348	-8.17	51219	51416	51067	14
61.500	-8.04	51232	51436	51083	9
61.602	-8.22	51242	51450	51092	4
61.645	-8.06	51246	51456	51096	9
61.750	-8.13	51255	51470	51104	10
61.861	-8.18	51265	51484	51111	0
61.863	-8.29	51265	51485	51112	12
62.000	-8.17	51277	51502	51120	8
62.097	-7.94	51285	51515	51125	2
62.126	-8.01	51287	51518	51126	10
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62.397	-8.18	51309	51551	51137	12
62.552	-8.02	51321	51567	51142	9
62.675	-8.20	51329	51580	51146	5
62.750	-8.22	51334	51587	51148	5
62.822	-8.31	51339	51593	51150	9
62.961	-8.25	51348	51604	51154	2
63.000	-8.18	51350	51607	51155	0
63.007	-8.08	51351	51607	51155	13
63.250	-8.05	51364	51621	51162	0
63.254	-8.06	51364	51622	51162	10
63.463	-8.03	51374	51631	51169	2
63.500	-8.08	51376	51632	51170	2

63.556	-8.14	51378	51634	51171	8
63.750	-8.27	51386	51639	51178	1
63.779	-8.32	51388	51640	51179	3
63.867	-8.32	51391	51641	51181	2
63.918	-8.22	51393	51642	51183	3
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64.188	-8.18	51403	51646	51192	2
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64.518	-8.09	51415	51650	51204	8
64.730	-8.30	51423	51653	51212	1
64.750	-8.28	51424	51653	51212	3
64.825	-8.18	51427	51655	51215	1
64.858	-8.06	51428	51655	51216	15
65.210	-8.13	51444	51664	51230	2
65.250	-8.19	51446	51666	51231	1
65.276	-8.11	51447	51666	51232	11
65.500	-8.19	51458	51675	51241	4
65.573	-8.23	51461	51678	51244	5
65.674	-8.54	51466	51682	51248	3
65.724	-8.36	51469	51684	51250	1
65.750	-8.46	51470	51685	51251	10
65.948	-8.29	51481	51695	51260	3
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66.169	-8.33	51493	51706	51270	4
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66.335	-8.33	51502	51715	51278	9
66.500	-8.38	51511	51724	51286	6
66.606	-8.48	51517	51730	51291	0
66.609	-8.43	51517	51730	51291	7
66.735	-8.57	51524	51737	51298	1
66.750	-8.36	51525	51738	51299	14
67.000	-8.46	51539	51751	51313	2
67.045	-8.25	51541	51754	51316	6
67.149	-8.45	51547	51760	51323	5
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67.475	-8.47	51565	51777	51343	1
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67.750	-8.74	51579	51793	51362	8
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68.425	-8.44	51614	51834	51408	3
68.475	-8.37	51616	51837	51412	13
68.727	-8.34	51629	51855	51429	1
68.750	-8.42	51630	51856	51430	10
68.947	-8.44	51640	51871	51443	9
69.130	-8.46	51649	51885	51454	6
69.250	-8.48	51655	51895	51461	3
69.307	-8.46	51658	51900	51465	6
69.435	-8.65	51664	51911	51472	3
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69.524	-8.46	51669	51919	51477	11
69.750	-8.60	51680	51940	51490	8
69.908	-8.18	51688	51954	51498	2
69.940	-8.44	51689	51957	51500	11
70.166	-8.33	51700	51979	51512	4
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70.647	-8.43	51724	52025	51536	5
70.750	-8.42	51729	52034	51541	12
71.000	-8.57	51741	52058	51553	16
71.341	-8.65	51757	52089	51569	8
71.500	-8.73	51764	52103	51577	3
71.556	-8.78	51767	52108	51579	5
71.671	-8.76	51773	52118	51585	4
71.750	-8.72	51776	52125	51589	3

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71.990	-8.79	51788	52145	51600	0
72.000	-8.81	51788	52146	51600	6
72.129	-8.76	51794	52156	51607	6
72.250	-8.96	51800	52166	51612	2
72.298	-8.74	51802	52170	51614	10
72.500	-8.61	51812	52186	51624	4
72.585	-8.55	51816	52192	51628	0
72.595	-8.56	51817	52193	51628	6
72.717	-8.62	51822	52202	51634	8
72.881	-8.42	51830	52214	51641	6
73.000	-8.70	51836	52223	51647	8
73.158	-8.46	51843	52234	51654	8
73.318	-8.72	51851	52245	51661	1
73.337	-8.69	51852	52246	51662	4
73.425	-8.69	51856	52252	51666	12
73.683	-8.45	51869	52269	51677	3
73.750	-8.40	51872	52273	51680	9
73.931	-8.56	51881	52285	51688	6
74.062	-8.92	51887	52294	51693	5
74.170	-8.69	51892	52301	51698	4
74.250	-8.79	51896	52306	51701	7
74.401	-8.47	51903	52317	51708	5
74.500	-8.74	51908	52323	51712	3
74.554	-8.76	51910	52327	51714	3
74.623	-8.69	51913	52332	51717	6
74.750	-8.68	51919	52341	51722	1
74.762	-8.61	51920	52342	51722	4
74.837	-8.64	51923	52347	51725	8
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75.044	-8.23	51933	52362	51734	7
75.187	-8.47	51940	52373	51739	3
75.243	-8.42	51942	52378	51741	0
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75.435	-8.39	51951	52393	51749	0
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75.620	-8.52	51960	52407	51756	6
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75.971	-8.48	51976	52435	51769	1
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76.297	-8.24	51990	52460	51780	7
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76.471	-8.37	51998	52473	51787	1
76.500	-8.52	51999	52475	51788	5
76.602	-8.57	52004	52482	51791	5
76.717	-8.42	52009	52490	51795	1
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76.887	-8.29	52017	52501	51801	5
77.000	-8.46	52022	52508	51805	1
77.023	-8.20	52023	52509	51806	4
77.120	-8.46	52027	52515	51810	2
77.155	-8.23	52028	52516	51811	6
77.284	-8.28	52034	52523	51816	2
77.323	-8.19	52036	52525	51817	4
77.409	-8.27	52039	52530	51820	4
77.500	-8.34	52043	52532	51823	1
77.531	-8.22	52045	52532	51824	5
77.649	-8.21	52050	52535	51826	4
77.750	-8.20	52054	52537	51828	1
77.766	-8.22	52055	52537	51829	0
77.773	-8.43	52055	52538	51829	5
77.880	-8.38	52060	52540	51831	1
77.907	-8.60	52061	52540	51831	4
77.992	-8.37	52065	52542	51833	0
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78.102	-8.24	52069	52544	51835	5
78.212	-8.27	52074	52545	51836	2

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78.319	-8.25	52079	52547	51838	5
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78.639	-8.08	52093	52551	51844	5
78.746	-8.17	52097	52552	51846	0
78.750	-8.28	52097	52552	51846	4
78.852	-8.31	52102	52553	51848	5
78.960	-8.30	52106	52555	51849	2
79.000	-8.28	52108	52555	51850	0
79.011	-8.41	52109	52555	51850	2
79.068	-8.33	52111	52556	51851	0
79.079	-8.51	52112	52556	51852	4
79.177	-8.39	52116	52556	51853	3
79.250	-8.54	52119	52557	51854	2
79.288	-8.28	52120	52557	51855	5
79.401	-8.29	52125	52558	51857	4
79.500	-8.19	52129	52559	51858	1
79.515	-8.24	52130	52559	51858	1
79.534	-8.40	52131	52559	51859	4
79.632	-8.41	52135	52559	51860	4
79.730	-8.54	52138	52560	51861	1
79.750	-8.44	52139	52560	51862	0
79.752	-8.47	52139	52560	51862	5
79.875	-8.40	52144	52560	51863	4
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80.037	-8.32	52150	52561	51864	3
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80.250	-8.38	52156	52561	51866	0
80.263	-8.28	52157	52561	51866	3
80.378	-8.37	52160	52561	51866	1
80.400	-8.33	52160	52561	51866	1
80.500	-8.31	52162	52561	51866	0

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80.750	-8.28	52164	52561	51866	1
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81.000	-8.31	52166	52561	51866	0
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81.157	-8.36	52167	52561	51866	0
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82.250	-8.22	52167	52561	51866	0
82.261	-8.28	52167	52561	51866	0
82.287	-8.34	52167	52561	51866	0
82.293	-8.59	52167	52561	51866	0
82.469	-8.59	52167	52561	51866	0
82.500	-8.55	52167	52561	51866	0
82.686	-8.37	52167	52561	51866	0
82.697	-8.54	52167	52561	51866	0
82.750	-8.55	52167	52561	51866	0
82.906	-8.57	52167	52561	51866	0
82.910	-8.43	52167	52561	51866	0
83.087	-8.53	52167	52561	51866	0
83.143	-8.47	52167	52561	51866	0
83.250	-8.48	52167	52561	51867	0
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83.463	-8.44	52167	52561	51868	0
83.515	-8.52	52167	52561	51869	0
83.636	-8.47	52167	52561	51870	0
83.750	-8.31	52168	52561	51872	0
83.827	-8.31	52168	52561	51873	0
83.896	-8.30	52168	52561	51874	1
84.111	-8.61	52170	52561	51879	0
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84.179	-8.60	52170	52561	51881	0
84.250	-8.43	52170	52561	51882	2
84.445	-8.35	52172	52561	51887	0
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84.520	-8.42	52173	52561	51889	3
84.693	-8.71	52176	52561	51894	1
84.734	-8.50	52176	52561	51895	0
84.750	-8.43	52177	52561	51895	2
84.850	-8.37	52179	52561	51898	3
85.000	-8.47	52182	52561	51902	1
85.034	-8.31	52183	52561	51903	3
85.170	-8.32	52186	52562	51907	2
85.250	-8.34	52188	52562	51910	0
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85.482	-8.50	52195	52562	51922	5
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85.750	-8.45	52202	52562	51935	1
85.784	-8.43	52203	52562	51937	1
85.810	-8.64	52204	52562	51938	6
85.999	-8.50	52210	52562	51947	0
86.000	-8.35	52210	52562	51947	2
86.080	-8.17	52212	52562	51950	5
86.250	-8.18	52217	52562	51957	3
86.341	-8.36	52220	52562	51961	0
86.344	-8.31	52220	52562	51961	1
86.368	-8.38	52220	52562	51962	4
86.500	-8.27	52224	52562	51966	4
86.650	-8.54	52228	52562	51970	1

86.700	-8.47	52230	52562	51970	1
86.750	-8.55	52231	52562	51971	3
86.852	-8.56	52234	52562	51972	2
86.926	-8.80	52236	52562	51973	4
87.069	-8.64	52239	52562	51975	3
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87.250	-8.64	52244	52562	51976	2
87.341	-8.86	52246	52562	51977	2
87.450	-8.60	52248	52562	51977	0
87.465	-8.62	52248	52562	51977	1
87.500	-8.63	52249	52562	51977	4
87.729	-8.91	52253	52562	51978	1
87.808	-8.99	52255	52562	51978	1
87.843	-8.80	52256	52562	51978	3
87.991	-8.90	52258	52562	51978	0
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88.500	-9.02	52266	52563	51978	0
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88.666	-9.17	52268	52563	51978	0
88.670	-8.97	52268	52563	51978	1
88.750	-8.75	52269	52563	51978	0
88.765	-8.85	52269	52563	51978	2
89.000	-8.88	52271	52563	51978	0
89.020	-9.01	52271	52563	51978	0
89.058	-8.87	52272	52563	51978	0
89.101	-8.79	52272	52563	51978	1
89.250	-8.54	52273	52563	51978	0
89.274	-8.42	52274	52563	51978	1
89.426	-8.67	52275	52563	51978	1
89.500	-8.64	52276	52563	51978	0
89.528	-8.72	52276	52563	51978	0
89.544	-8.41	52276	52563	51978	2
89.750	-8.39	52278	52563	51978	0
89.772	-8.41	52278	52563	51978	0
89.780	-8.68	52278	52563	51978	2
89.995	-8.61	52280	52563	51978	0

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90.097	-8.46	52281	52563	51978	2
90.250	-8.51	52283	52563	51978	0
90.282	-8.66	52284	52563	51978	2
90.403	-8.66	52285	52563	51978	1
90.454	-8.56	52286	52563	51978	1
90.500	-8.51	52287	52563	51978	1
90.532	-8.37	52287	52563	51978	3
90.691	-8.69	52290	52563	51978	1
90.750	-8.69	52291	52563	51978	1
90.781	-8.70	52292	52563	51978	3
90.919	-8.43	52294	52563	51979	1
90.962	-8.57	52295	52563	51979	1
91.000	-8.54	52296	52563	51979	1
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91.218	-8.65	52302	52564	51981	1
91.250	-8.58	52303	52564	51981	1
91.278	-8.54	52304	52564	51981	3
91.389	-8.20	52307	52565	51982	2
91.459	-8.39	52309	52566	51983	1
91.500	-8.37	52310	52567	51984	1
91.525	-8.61	52311	52567	51984	5
91.688	-8.56	52316	52569	51986	3
91.772	-8.67	52319	52571	51987	3
91.862	-8.52	52322	52572	51988	2
91.905	-8.58	52324	52573	51990	3
92.000	-8.61	52327	52575	51993	1
92.018	-8.71	52328	52576	51993	3
92.112	-8.67	52331	52578	51996	5
92.250	-8.67	52337	52581	52001	1
92.264	-8.75	52337	52581	52001	2
92.310	-8.72	52339	52582	52003	1
92.338	-8.53	52340	52583	52004	6
92.500	-8.40	52346	52587	52010	0
92.501	-8.40	52346	52587	52010	0
92.510	-8.67	52347	52587	52011	7

92.686	-8.85	52354	52592	52018	3
92.750	-8.69	52356	52593	52020	0
92.756	-8.71	52356	52594	52020	2
92.814	-8.42	52359	52595	52023	2
92.866	-8.62	52361	52598	52025	5
93.000	-8.42	52366	52605	52031	0
93.001	-8.74	52366	52605	52031	2
93.043	-8.80	52368	52607	52033	7
93.217	-9.08	52375	52615	52040	1
93.246	-9.13	52376	52617	52042	0
93.250	-8.97	52376	52617	52042	2
93.289	-8.52	52377	52619	52044	4
93.391	-8.49	52381	52624	52048	4
93.492	-8.64	52385	52629	52053	3
93.565	-8.95	52388	52632	52057	7
93.737	-8.97	52395	52641	52065	0
93.741	-8.84	52395	52641	52065	0
93.750	-8.65	52395	52641	52065	0
93.762	-8.18	52396	52642	52066	6
93.920	-8.18	52402	52649	52074	2
93.983	-8.40	52404	52652	52077	5
94.104	-8.71	52409	52658	52083	5
94.228	-8.79	52414	52663	52089	0
94.231	-8.44	52414	52663	52089	1
94.250	-8.33	52415	52664	52090	2
94.294	-8.27	52417	52666	52092	7
94.474	-8.64	52424	52674	52101	1
94.491	-8.71	52424	52675	52102	0
94.500	-8.59	52425	52675	52102	8
94.696	-8.35	52432	52684	52112	1
94.720	-8.52	52433	52685	52113	8
94.911	-8.69	52441	52693	52123	2
94.967	-9.00	52443	52696	52125	1
95.000	-8.67	52445	52697	52127	6
95.138	-8.67	52450	52703	52134	1
95.153	-8.30	52451	52704	52134	2
95.214	-8.65	52453	52706	52137	1

95.250	-8.50	52455	52708	52139	5
95.377	-8.72	52460	52714	52145	3
95.461	-8.65	52464	52718	52149	2
95.500	-8.71	52465	52720	52150	4
95.603	-8.49	52469	52725	52155	1
95.630	-8.42	52471	52727	52156	3
95.709	-8.64	52474	52731	52160	8
95.898	-8.86	52482	52742	52168	3
95.958	-8.94	52484	52746	52171	2
96.000	-8.46	52486	52749	52173	2
96.044	-8.15	52488	52752	52174	6
96.183	-8.31	52494	52763	52180	1
96.207	-8.45	52495	52764	52181	2
96.250	-8.50	52497	52768	52183	9
96.457	-8.53	52505	52787	52188	1
96.474	-8.35	52506	52788	52189	0
96.485	-8.50	52507	52789	52189	1
96.500	-8.34	52507	52791	52189	9
96.708	-8.65	52516	52814	52193	2
96.750	-8.51	52518	52819	52194	2
96.807	-8.61	52520	52826	52195	4
96.892	-8.30	52524	52837	52196	3
96.959	-8.47	52527	52846	52197	2
97.000	-8.37	52528	52852	52198	6
97.149	-8.53	52535	52875	52200	3
97.212	-8.65	52538	52885	52201	2
97.250	-8.70	52539	52891	52201	2
97.296	-8.56	52541	52899	52202	7
97.465	-8.51	52548	52929	52204	2
97.500	-8.57	52550	52935	52205	1
97.513	-8.80	52550	52937	52205	7
97.686	-8.52	52558	52971	52207	1
97.720	-8.72	52559	52977	52207	1
97.750	-8.74	52561	52983	52208	7
97.901	-9.07	52567	53014	52209	3
97.976	-9.01	52570	53030	52210	1
98.000	-8.89	52571	53035	52210	3

98.059	-8.59	52574	53047	52211	7
98.232	-8.63	52581	53085	52213	1
98.250	-8.62	52582	53088	52213	3
98.312	-8.92	52585	53102	52213	4
98.414	-8.69	52589	53125	52214	3
98.491	-8.88	52593	53142	52215	0
98.500	-8.67	52593	53144	52215	11
98.750	-8.84	52604	53199	52217	11
99.000	-8.67	52615	53254	52219	0
99.011	-8.83	52616	53257	52219	2
99.066	-8.68	52618	53269	52219	7
99.214	-8.87	52625	53301	52220	2
99.250	-8.74	52626	53308	52220	1
99.273	-8.94	52627	53313	52220	4
99.363	-8.70	52631	53332	52221	6
99.500	-8.75	52637	53361	52221	2
99.536	-8.78	52639	53368	52221	5
99.641	-8.74	52644	53390	52222	3
99.705	-8.87	52646	53402	52222	2
99.750	-8.71	52648	53411	52222	2
99.801	-8.94	52651	53421	52222	5
99.903	-8.70	52655	53441	52222	4
100.000	-8.66	52660	53459	52222	3
100.067	-8.63	52663	53472	52222	4
100.150	-8.63	52666	53487	52222	3
100.220	-8.77	52670	53499	52222	5
100.334	-8.76	52675	53519	52222	2
100.383	-8.74	52677	53528	52222	5
100.500	-8.45	52682	53547	52222	5
100.602	-8.37	52687	53563	52222	0
100.603	-8.42	52687	53563	52222	7
100.750	-8.52	52693	53585	52222	0
100.759	-8.69	52694	53587	52222	2
100.811	-8.67	52696	53594	52222	3
100.870	-8.70	52698	53603	52222	6
101.010	-8.42	52705	53621	52222	6
101.140	-8.47	52710	53638	52222	3

101.199	-8.33	52713	53645	52222	2
101.250	-8.30	52715	53651	52222	3
101.321	-8.39	52718	53659	52222	3
101.381	-8.36	52721	53665	52222	1
101.411	-8.48	52722	53668	52222	6
101.557	-8.24	52729	53683	52222	5
101.683	-8.40	52734	53695	52222	2
101.728	-8.21	52736	53699	52222	1
101.750	-8.26	52737	53701	52222	6
101.895	-8.11	52743	53713	52222	0
101.904	-8.29	52744	53714	52222	2
101.956	-8.36	52746	53718	52222	2
102.000	-8.38	52748	53721	52222	3
102.060	-8.13	52750	53726	52222	7
102.224	-7.98	52757	53737	52222	0
102.229	-8.08	52757	53737	52222	1
102.250	-8.16	52758	53739	52222	6
102.389	-8.17	52764	53748	52222	5
102.500	-8.14	52769	53754	52222	0
102.503	-8.27	52769	53754	52222	0
102.508	-8.54	52769	53755	52222	2
102.555	-8.44	52771	53757	52222	7
102.724	-8.30	52778	53767	52222	2
102.778	-8.15	52781	53769	52222	5
102.897	-8.17	52786	53775	52222	7
103.053	-8.29	52792	53782	52222	1
103.076	-8.17	52793	53783	52222	2
103.130	-8.43	52795	53786	52222	5
103.250	-8.41	52800	53791	52222	0
103.261	-8.39	52801	53791	52222	3
103.329	-8.31	52804	53794	52222	5
103.455	-8.22	52809	53799	52222	2
103.500	-8.36	52811	53801	52222	4
103.605	-8.43	52815	53805	52223	2
103.659	-8.45	52817	53807	52223	5
103.771	-8.52	52822	53810	52224	4
103.873	-8.26	52826	53814	52224	0

103.882	-8.48	52827	53814	52224	5
104.000	-8.40	52832	53818	52225	4
104.099	-8.37	52836	53821	52226	3
104.160	-8.35	52838	53823	52227	7
104.339	-8.23	52846	53828	52228	4
104.429	-8.54	52849	53831	52229	0
104.437	-8.58	52850	53831	52229	3
104.500	-8.69	52852	53832	52230	4
104.593	-8.37	52856	53835	52230	5
104.716	-8.31	52861	53838	52231	1
104.750	-8.20	52862	53839	52232	5
104.863	-8.20	52867	53842	52232	5
104.994	-8.15	52873	53845	52233	0
105.000	-8.13	52873	53846	52233	6
105.151	-8.16	52879	53849	52234	4
105.250	-8.02	52883	53852	52235	1
105.272	-8.25	52884	53852	52235	8
105.458	-8.28	52892	53857	52236	2
105.500	-8.32	52893	53858	52236	2
105.551	-8.32	52895	53859	52236	8
105.750	-8.39	52904	53864	52237	1
105.784	-8.24	52905	53865	52237	0
105.790	-8.31	52905	53865	52237	2
105.830	-8.51	52907	53866	52237	7
106.000	-8.61	52914	53870	52238	4
106.109	-8.59	52918	53873	52238	1
106.132	-8.21	52919	53873	52238	5
106.250	-8.17	52924	53876	52239	6
106.388	-8.18	52930	53880	52240	4
106.491	-8.48	52934	53882	52241	0
106.500	-8.54	52935	53882	52241	0
106.502	-8.23	52935	53882	52241	7
106.667	-8.22	52942	53887	52242	3
106.750	-8.27	52945	53889	52243	6
106.896	-8.29	52951	53892	52245	2
106.945	-8.27	52953	53894	52245	2
107.000	-8.32	52955	53895	52246	9

107.205	-8.51	52964	53900	52249	1
107.224	-8.48	52965	53901	52249	1
107.250	-8.41	52966	53902	52250	3
107.315	-8.19	52968	53903	52251	8
107.500	-8.18	52976	53908	52254	0
107.503	-8.26	52976	53908	52254	10
107.750	-8.44	52986	53915	52260	0
107.761	-8.21	52987	53916	52260	1
107.781	-8.27	52988	53916	52261	6
107.929	-8.24	52994	53920	52267	3
108.000	-8.40	52997	53922	52270	2
108.059	-8.44	52999	53924	52273	7
108.234	-8.28	53007	53929	52280	1
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108.337	-8.29	53011	53933	52284	7
108.500	-8.45	53018	53937	52291	5
108.614	-8.65	53023	53941	52296	2
108.664	-8.42	53025	53943	52298	3
108.737	-8.21	53028	53945	52301	1
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108.891	-8.25	53034	53950	52307	5
109.000	-8.40	53039	53953	52311	7
109.167	-8.44	53046	53959	52317	4
109.250	-8.13	53049	53962	52319	1
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109.408	-8.02	53056	53967	52324	1
109.443	-8.22	53058	53968	52325	2
109.500	-8.29	53060	53970	52327	9
109.719	-8.32	53069	53978	52333	1
109.750	-8.24	53071	53979	52334	4
109.834	-8.23	53074	53982	52337	7
109.993	-8.21	53081	53987	52341	0
110.000	-8.26	53081	53988	52341	7
110.159	-8.47	53088	53993	52346	4
110.250	-8.48	53092	53997	52348	1
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110.432	-8.21	53100	54003	52353	3

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110.750	-8.38	53113	54014	52363	3
110.813	-8.45	53116	54017	52365	4
110.917	-8.57	53120	54020	52368	4
111.000	-8.55	53124	54023	52371	3
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111.085	-8.21	53128	54026	52374	7
111.250	-8.21	53135	54032	52380	5
111.356	-8.53	53139	54036	52384	6
111.500	-8.48	53145	54041	52390	5
111.626	-8.61	53151	54046	52395	2
111.680	-8.67	53153	54048	52397	2
111.732	-8.41	53155	54050	52399	1
111.750	-8.41	53156	54051	52400	6
111.895	-8.32	53162	54056	52406	5
112.000	-8.53	53167	54060	52411	7
112.163	-8.57	53174	54067	52418	4
112.250	-8.40	53178	54071	52422	8
112.429	-8.52	53186	54079	52431	0
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112.448	-8.40	53186	54079	52431	2
112.500	-8.23	53189	54082	52434	8
112.695	-8.60	53197	54091	52443	2
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112.960	-8.63	53209	54105	52456	2
113.000	-8.31	53211	54107	52458	8
113.179	-8.17	53218	54117	52467	2
113.218	-8.05	53220	54119	52469	0
113.223	-8.37	53220	54120	52469	1
113.250	-8.38	53222	54121	52470	10
113.485	-8.42	53232	54136	52482	1
113.500	-8.14	53233	54137	52483	11
113.746	-8.40	53243	54153	52495	0
113.750	-8.18	53244	54153	52495	9
113.962	-8.11	53253	54167	52506	1
113.991	-8.09	53254	54169	52508	0

114.000	-8.06	53255	54170	52508	0
114.005	-8.30	53255	54170	52509	11
114.250	-8.14	53266	54187	52522	1
114.263	-8.33	53267	54188	52522	11
114.500	-8.21	53277	54205	52535	1
114.520	-8.38	53278	54206	52537	10
114.750	-8.28	53288	54223	52550	1
114.765	-8.43	53289	54224	52551	0
114.775	-8.41	53290	54225	52551	0
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115.000	-8.25	53300	54241	52565	1
115.028	-8.32	53301	54243	52566	10
115.250	-8.50	53311	54260	52580	1
115.280	-8.57	53312	54262	52582	10
115.500	-8.49	53322	54278	52596	1
115.530	-8.53	53324	54280	52598	0
115.538	-8.61	53324	54281	52598	5
115.651	-8.51	53329	54289	52605	4
115.750	-8.32	53334	54296	52612	1
115.778	-8.23	53335	54298	52614	10
116.000	-8.19	53345	54314	52628	1
116.025	-8.39	53346	54315	52630	10
116.250	-8.25	53356	54331	52644	1
116.270	-8.43	53357	54332	52646	2
116.309	-8.44	53359	54335	52648	9
116.500	-8.48	53368	54348	52661	1
116.513	-8.53	53368	54349	52662	2
116.560	-8.34	53370	54352	52665	9
116.750	-8.38	53379	54365	52677	0
116.753	-8.36	53379	54365	52677	11
116.993	-8.47	53390	54380	52692	0
117.000	-8.42	53390	54381	52692	4
117.079	-8.40	53394	54386	52697	7
117.230	-8.41	53401	54395	52706	1
117.250	-8.40	53402	54396	52707	10
117.464	-8.35	53411	54409	52720	2
117.500	-8.17	53413	54411	52722	1

117.513	-8.10	53414	54412	52723	8
117.697	-8.20	53422	54422	52734	2
117.750	-8.25	53424	54425	52737	4
117.844	-8.45	53428	54431	52742	4
117.928	-8.44	53432	54435	52747	3
118.000	-8.43	53435	54439	52750	7
118.156	-8.41	53442	54447	52759	4
118.250	-8.12	53447	54452	52764	6
118.382	-8.29	53452	54458	52771	5
118.500	-8.08	53458	54464	52777	1
118.513	-8.08	53458	54464	52778	4
118.604	-8.11	53462	54468	52783	0
118.606	-8.38	53462	54469	52783	6
118.750	-8.40	53469	54475	52790	3
118.828	-8.36	53472	54478	52794	8
119.000	-8.13	53480	54485	52803	2
119.047	-8.35	53482	54487	52805	9
119.250	-8.17	53491	54495	52815	1
119.263	-8.45	53491	54495	52816	4
119.359	-8.68	53495	54499	52821	5
119.477	-8.84	53501	54503	52827	1
119.500	-8.60	53502	54504	52828	3
119.561	-8.18	53504	54506	52831	6
119.689	-8.14	53510	54510	52837	3
119.750	-8.15	53512	54512	52840	6
119.898	-8.26	53519	54517	52847	4
120.000	-8.17	53523	54520	52852	4
120.104	-8.28	53528	54523	52858	0
120.106	-8.51	53528	54523	52858	6
120.250	-8.49	53534	54527	52865	2
120.308	-8.58	53536	54529	52868	8
120.500	-8.24	53545	54535	52878	0
120.508	-8.34	53545	54535	52878	6
120.657	-8.21	53551	54540	52886	2
120.706	-8.34	53553	54542	52889	2
120.750	-8.25	53555	54543	52891	4
120.845	-8.53	53559	54546	52896	2

120.901	-8.53	53562	54548	52899	4
121.000	-8.56	53566	54551	52905	4
121.093	-8.38	53570	54554	52910	7
121.250	-8.34	53577	54560	52919	1
121.283	-8.46	53578	54561	52921	8
121.469	-8.34	53586	54567	52931	1
121.500	-8.31	53587	54568	52933	3
121.574	-8.50	53590	54571	52938	3
121.652	-8.52	53594	54574	52942	4
121.750	-8.51	53598	54578	52948	2
121.803	-8.26	53600	54580	52951	1
121.832	-8.37	53601	54581	52953	7
122.000	-8.35	53609	54587	52963	0
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122.182	-8.40	53616	54594	52974	3
122.250	-8.42	53619	54596	52978	2
122.293	-8.64	53621	54598	52981	3
122.352	-8.66	53624	54600	52985	6
122.500	-8.65	53630	54606	52994	1
122.519	-8.43	53631	54606	52995	7
122.683	-8.46	53638	54613	53005	3
122.750	-8.51	53640	54615	53009	4
122.843	-8.56	53644	54619	53014	7
123.000	-8.58	53651	54625	53023	7
123.153	-8.63	53658	54630	53032	4
123.250	-8.48	53662	54634	53038	2
123.303	-8.41	53664	54636	53041	6
123.449	-8.41	53670	54641	53049	2
123.500	-8.47	53673	54643	53052	4
123.593	-8.57	53676	54646	53057	4
123.694	-8.68	53681	54650	53063	2
123.732	-8.78	53682	54651	53065	1
123.750	-8.67	53683	54652	53066	5
123.869	-8.60	53688	54656	53073	6
124.000	-8.40	53694	54660	53080	0
124.002	-8.42	53694	54660	53080	6
124.133	-8.38	53700	54665	53087	5

124.248	-8.42	53704	54669	53093	0
124.250	-8.34	53705	54669	53093	0
124.260	-8.33	53705	54669	53094	5
124.376	-8.59	53710	54673	53100	0
124.384	-8.68	53710	54673	53100	5
124.500	-8.56	53715	54677	53106	0
124.506	-8.28	53715	54677	53107	5
124.624	-8.23	53720	54680	53113	5
124.740	-8.33	53725	54684	53119	0
124.750	-8.29	53726	54684	53120	4
124.853	-8.34	53730	54687	53125	5
124.963	-8.34	53735	54690	53131	2
125.000	-8.28	53736	54691	53132	2
125.045	-8.43	53738	54692	53135	1
125.071	-8.47	53739	54693	53136	4
125.176	-8.67	53744	54696	53141	3
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125.279	-8.34	53748	54698	53147	4
125.379	-8.33	53752	54701	53152	4
125.477	-8.48	53756	54703	53157	1
125.500	-8.34	53757	54703	53158	2
125.538	-8.25	53759	54704	53159	1
125.572	-8.28	53760	54705	53160	4
125.666	-8.41	53764	54707	53162	1
125.701	-8.68	53766	54708	53163	2
125.750	-8.59	53768	54709	53164	0
125.757	-8.60	53768	54709	53165	4
125.845	-8.46	53772	54711	53167	4
125.932	-8.71	53775	54713	53169	3
126.000	-8.61	53778	54714	53171	1
126.017	-8.55	53779	54715	53171	3
126.100	-8.52	53782	54716	53173	3
126.181	-8.56	53786	54718	53175	3
126.250	-8.48	53789	54719	53177	0
126.260	-8.42	53789	54720	53177	3
126.337	-8.39	53792	54721	53179	0
126.344	-8.57	53792	54721	53179	3

126.413	-8.57	53795	54723	53181	3
126.487	-8.52	53798	54724	53183	1
126.500	-8.30	53799	54724	53183	2
126.559	-8.24	53801	54725	53185	3
126.630	-8.27	53804	54727	53187	3
126.699	-8.42	53807	54728	53188	2
126.750	-8.36	53809	54729	53190	1
126.767	-8.47	53810	54729	53190	3
126.834	-8.47	53813	54730	53192	1
126.860	-8.51	53814	54731	53193	2
126.899	-8.46	53815	54731	53194	3
126.963	-8.41	53818	54732	53195	1
126.976	-8.65	53819	54733	53196	1
127.000	-8.48	53820	54733	53196	1
127.026	-8.47	53821	54734	53197	3
127.087	-8.34	53823	54735	53199	3
127.148	-8.49	53826	54736	53200	2
127.208	-8.43	53828	54737	53202	2
127.250	-8.30	53830	54737	53203	1
127.266	-8.15	53830	54738	53203	2
127.324	-8.08	53833	54739	53205	2
127.381	-8.09	53835	54740	53206	2
127.437	-8.11	53837	54741	53208	2
127.493	-8.13	53840	54741	53209	0
127.500	-8.09	53840	54742	53210	2
127.547	-8.16	53842	54742	53211	2
127.595	-8.37	53844	54743	53212	0
127.602	-8.45	53844	54743	53212	2
127.655	-8.48	53846	54744	53214	2
127.709	-8.37	53849	54745	53215	2
127.750	-8.26	53850	54746	53216	0
127.761	-8.26	53851	54746	53217	2
127.814	-8.24	53853	54747	53218	2
127.866	-8.40	53855	54748	53220	2
127.918	-8.46	53857	54749	53221	2
127.970	-8.46	53859	54750	53222	1
128.000	-8.31	53860	54750	53223	1

128.021	-8.27	53861	54751	53224	2
128.073	-8.22	53863	54752	53225	2
128.125	-8.38	53866	54752	53227	2
128.176	-8.31	53868	54753	53228	1
128.202	-8.37	53869	54754	53229	1
128.228	-8.37	53870	54754	53229	1
128.250	-8.23	53871	54755	53230	1
128.280	-8.22	53872	54755	53231	2
128.333	-8.25	53874	54756	53232	2
128.385	-8.51	53876	54757	53234	2
128.438	-8.56	53878	54758	53235	2
128.492	-8.56	53881	54759	53237	0
128.500	-8.37	53881	54760	53237	2
128.546	-8.27	53883	54760	53238	2
128.600	-8.21	53885	54762	53239	2
128.655	-8.39	53887	54763	53241	2
128.711	-8.48	53890	54764	53242	2
128.750	-8.37	53891	54765	53243	1
128.767	-8.35	53892	54765	53244	1
128.797	-8.38	53893	54766	53245	1
128.824	-8.57	53894	54766	53245	2
128.882	-8.56	53897	54767	53247	2
128.941	-8.54	53899	54769	53249	2
129.000	-8.31	53901	54770	53250	0
129.001	-8.29	53901	54770	53250	3
129.062	-8.20	53904	54771	53252	3
129.124	-8.37	53906	54773	53253	3
129.188	-8.39	53909	54774	53255	3
129.252	-8.45	53912	54776	53257	3
129.318	-8.49	53914	54778	53258	3
129.379	-8.52	53917	54779	53260	0
129.385	-8.52	53917	54779	53260	3
129.453	-8.52	53920	54781	53262	2
129.500	-8.25	53922	54782	53263	1
129.523	-8.20	53923	54783	53264	1
129.555	-8.03	53924	54784	53264	2
129.594	-8.26	53926	54785	53265	3

129.667	-8.37	53929	54787	53267	3
129.742	-8.60	53932	54789	53269	0
129.750	-8.34	53932	54789	53269	3
129.818	-8.33	53935	54791	53271	3
129.896	-8.33	53938	54793	53273	2
129.950	-8.65	53940	54794	53274	1
129.976	-8.60	53941	54795	53275	1
130.000	-8.27	53942	54796	53275	2
130.057	-8.14	53945	54798	53277	3
130.141	-8.14	53948	54800	53279	3
130.226	-8.39	53952	54803	53281	1
130.250	-8.25	53953	54803	53281	3
130.314	-8.16	53955	54805	53283	4
130.404	-8.05	53959	54808	53285	4
130.495	-8.11	53963	54811	53287	0
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130.510	-8.22	53963	54812	53287	3
130.590	-8.25	53967	54814	53289	4
130.686	-8.32	53970	54817	53291	3
130.750	-8.02	53973	54820	53292	1
130.785	-8.01	53974	54821	53293	4
130.886	-8.01	53979	54824	53295	1
130.907	-8.09	53979	54825	53296	3
130.989	-8.15	53983	54828	53298	0
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131.057	-8.22	53985	54830	53299	2
131.095	-8.22	53987	54832	53300	4
131.204	-8.43	53991	54836	53302	2
131.250	-8.12	53993	54837	53303	3
131.315	-8.16	53996	54840	53304	5
131.429	-8.15	54000	54844	53306	3
131.500	-8.21	54003	54847	53307	2
131.546	-8.20	54005	54848	53308	2
131.594	-8.31	54007	54850	53309	3
131.665	-8.48	54010	54853	53310	3
131.750	-8.36	54013	54856	53312	2
131.788	-8.28	54015	54857	53312	5

131.913	-8.32	54020	54862	53314	3
132.000	-8.32	54023	54865	53315	2
132.042	-8.34	54025	54866	53316	3
132.118	-8.35	54028	54869	53317	2
132.173	-8.56	54030	54871	53317	3
132.248	-8.45	54033	54874	53318	0
132.250	-8.33	54033	54874	53318	2
132.308	-8.28	54036	54876	53319	5
132.445	-8.27	54041	54880	53320	2
132.500	-8.27	54043	54882	53320	3
132.586	-8.28	54047	54885	53321	2
132.632	-8.42	54048	54886	53321	4
132.731	-8.62	54052	54889	53321	1
132.750	-8.49	54053	54890	53322	5
132.878	-8.49	54058	54894	53322	5
133.000	-8.29	54063	54897	53322	1
133.029	-8.40	54064	54898	53322	4
133.134	-8.38	54068	54901	53322	2
133.184	-8.39	54070	54902	53322	3
133.250	-8.21	54073	54903	53322	4
133.342	-8.05	54076	54905	53322	6
133.500	-8.02	54082	54909	53322	0
133.504	-8.05	54082	54909	53322	2
133.568	-8.02	54085	54910	53322	2
133.625	-8.19	54087	54910	53322	2
133.669	-8.22	54089	54911	53322	3
133.750	-8.25	54092	54911	53322	3
133.838	-8.08	54095	54912	53322	6
134.000	-8.10	54102	54914	53322	0
134.011	-8.11	54102	54914	53322	4
134.105	-8.25	54106	54914	53322	3
134.187	-8.18	54109	54915	53322	2
134.250	-8.19	54111	54915	53322	4
134.368	-8.04	54116	54916	53322	5
134.500	-8.07	54121	54917	53322	2
134.552	-8.10	54123	54917	53322	1
134.575	-8.30	54123	54917	53322	6

134.741	-8.38	54130	54918	53322	0
134.750	-8.29	54130	54918	53322	4
134.856	-8.04	54134	54919	53322	3
134.933	-8.04	54137	54919	53322	3
135.000	-7.98	54139	54920	53322	1
135.033	-8.25	54141	54920	53322	4
135.130	-8.27	54144	54920	53322	4
135.250	-8.23	54149	54921	53322	3
135.331	-8.11	54152	54921	53322	6
135.481	-8.29	54157	54922	53322	1
135.500	-8.32	54158	54922	53322	1
135.536	-8.32	54159	54922	53322	8
135.746	-8.18	54167	54923	53322	0
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135.918	-8.36	54173	54923	53322	1
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136.000	-8.40	54176	54924	53322	4
136.101	-8.05	54180	54924	53322	3
136.178	-7.97	54183	54924	53322	3
136.250	-8.02	54186	54924	53322	3
136.345	-8.39	54189	54924	53322	2
136.400	-8.34	54191	54924	53322	4
136.500	-8.35	54195	54924	53322	5
136.628	-8.08	54199	54924	53322	4
136.750	-8.03	54203	54924	53322	0
136.762	-8.38	54204	54924	53322	3
136.860	-8.38	54207	54924	53322	5
137.000	-8.32	54212	54924	53322	3
137.096	-8.07	54216	54924	53322	3
137.168	-8.32	54218	54924	53322	3
137.250	-8.37	54221	54924	53322	1
137.292	-8.29	54223	54924	53322	2
137.338	-8.09	54224	54924	53322	6
137.500	-7.98	54230	54924	53322	2
137.564	-8.33	54232	54924	53322	1
137.584	-8.33	54233	54924	53322	6
137.750	-8.32	54238	54924	53322	3

137.835	-8.08	54241	54924	53322	4
137.951	-8.32	54245	54924	53322	5
138.091	-8.57	54250	54924	53322	5
138.250	-8.56	54255	54924	53322	3
138.327	-8.51	54258	54924	53322	1
138.352	-8.55	54259	54924	53322	2
138.420	-8.44	54261	54924	53322	3
138.500	-8.20	54264	54924	53322	4
138.617	-8.18	54268	54924	53322	3
138.693	-8.56	54271	54924	53323	2
138.750	-8.53	54273	54924	53323	5
138.888	-8.51	54277	54924	53324	4
139.000	-8.24	54281	54924	53325	2
139.050	-8.48	54283	54924	53326	4
139.165	-8.53	54287	54924	53327	3
139.250	-8.53	54290	54924	53328	5
139.397	-8.42	54295	54925	53331	2
139.446	-8.37	54296	54925	53332	1
139.473	-8.26	54297	54925	53332	1
139.500	-8.12	54298	54925	53333	8
139.732	-8.12	54306	54926	53337	0
139.735	-8.33	54306	54926	53338	9
140.000	-8.31	54316	54928	53344	1
140.024	-8.26	54316	54928	53344	1
140.064	-8.26	54318	54929	53345	7
140.250	-8.32	54324	54930	53350	3
140.322	-8.36	54327	54930	53352	2
140.383	-8.36	54329	54931	53354	2
140.441	-8.26	54331	54931	53355	2
140.500	-8.29	54333	54932	53357	4
140.624	-8.20	54338	54933	53361	2
140.693	-8.46	54340	54933	53363	2
140.750	-8.42	54342	54934	53364	7
140.933	-8.40	54349	54935	53370	2
140.994	-8.43	54351	54935	53371	0
141.000	-8.42	54351	54935	53372	9
141.247	-8.42	54360	54936	53379	0

141.250	-8.10	54360	54936	53379	1
141.286	-8.29	54361	54937	53380	1
141.313	-8.09	54362	54937	53381	7
141.500	-8.09	54369	54937	53386	2
141.566	-7.95	54372	54938	53388	0
141.569	-8.25	54372	54938	53388	7
141.750	-8.37	54378	54938	53394	3
141.843	-8.46	54382	54939	53396	2
141.891	-8.30	54383	54939	53398	7
142.079	-8.20	54390	54940	53403	1
142.109	-8.19	54391	54940	53404	4
142.222	-8.17	54396	54940	53407	1
142.250	-8.24	54397	54940	53408	4
142.366	-8.20	54401	54941	53411	5
142.500	-8.17	54406	54941	53415	2
142.559	-8.22	54408	54942	53416	2
142.615	-8.26	54410	54942	53418	4
142.728	-8.20	54414	54942	53421	1
142.750	-8.12	54415	54942	53421	4
142.856	-8.14	54419	54943	53424	2
142.901	-8.19	54420	54943	53425	4
143.000	-8.26	54424	54944	53427	3
143.089	-8.32	54427	54944	53429	6
143.248	-8.36	54433	54945	53433	0
143.250	-8.24	54433	54945	53433	0
143.251	-8.21	54433	54945	53433	0
143.256	-8.29	54433	54945	53433	0
143.257	-8.54	54433	54945	53433	0
143.266	-8.43	54434	54945	53433	0
143.267	-8.43	54434	54945	53433	0
143.280	-8.35	54434	54945	53434	0
143.281	-8.27	54434	54946	53434	1
143.298	-8.26	54435	54946	53434	0
143.299	-8.37	54435	54946	53434	1
143.313	-8.63	54435	54946	53434	0
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143.371	-8.37	54437	54946	53436	1
143.385	-8.38	54438	54946	53436	1
143.401	-8.36	54439	54946	53436	1
143.424	-8.38	54439	54947	53437	0
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143.468	-8.31	54441	54947	53438	0
143.471	-8.17	54441	54947	53438	1
143.500	-8.04	54442	54947	53439	0
143.510	-8.04	54442	54947	53439	0
143.519	-8.13	54443	54947	53439	0
143.529	-8.46	54443	54947	53439	1
143.552	-8.48	54444	54948	53440	1
143.574	-8.65	54445	54948	53440	1
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143.601	-8.63	54446	54948	53441	1
143.636	-8.65	54447	54948	53441	0
143.638	-8.35	54447	54948	53442	0
143.643	-8.30	54447	54948	53442	2
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143.738	-8.55	54451	54949	53444	0
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143.750	-8.33	54451	54949	53444	1
143.778	-8.36	54452	54949	53445	1
143.798	-8.49	54453	54950	53445	2
143.854	-8.56	54455	54950	53446	0
143.859	-8.56	54455	54950	53446	2
143.908	-8.39	54457	54951	53448	0
143.911	-8.37	54457	54951	53448	1
143.939	-8.29	54458	54951	53448	0
143.941	-8.63	54458	54951	53448	0
143.946	-8.99	54458	54951	53448	1
143.971	-8.74	54459	54951	53449	1
144.000	-8.44	54460	54952	53450	1
144.032	-8.03	54461	54952	53450	0

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144.063	-8.78	54462	54952	53451	0
144.066	-8.97	54463	54952	53451	0
144.077	-8.39	54463	54952	53452	1
144.092	-8.37	54464	54953	53452	1
144.122	-8.36	54465	54953	53453	0
144.132	-8.61	54465	54953	53453	0
144.137	-8.56	54465	54953	53453	0
144.142	-8.85	54465	54953	53453	1
144.160	-8.74	54466	54953	53454	0
144.166	-8.58	54466	54953	53454	0
144.177	-8.08	54467	54953	53454	1
144.193	-8.02	54467	54954	53454	1
144.225	-8.11	54468	54954	53455	1
144.250	-8.49	54469	54954	53456	2
144.293	-8.50	54471	54955	53457	1
144.318	-8.55	54472	54955	53457	2
144.361	-8.26	54473	54955	53459	0
144.365	-8.86	54473	54956	53459	2
144.430	-8.85	54476	54956	53460	1
144.461	-8.96	54477	54957	53461	1
144.487	-8.87	54478	54957	53462	0
144.496	-8.91	54478	54957	53462	0
144.500	-8.83	54478	54957	53462	1
144.515	-8.73	54479	54957	53463	2
144.572	-8.64	54481	54958	53464	2
144.615	-8.98	54483	54959	53466	1
144.644	-8.57	54484	54959	53466	1
144.667	-8.63	54485	54959	53467	2
144.716	-8.15	54486	54960	53469	1
144.738	-8.27	54487	54960	53469	0
144.742	-8.55	54487	54960	53469	0
144.747	-9.06	54488	54960	53470	0
144.750	-9.14	54488	54960	53470	1
144.789	-8.74	54489	54961	53471	2
144.831	-8.39	54491	54961	53472	1
144.863	-8.27	54492	54962	53473	1

144.882	-8.76	54493	54962	53474	2
144.937	-8.65	54495	54963	53476	0
144.938	-8.91	54495	54963	53476	2
144.987	-8.56	54496	54963	53478	0
145.000	-8.57	54497	54964	53478	0
145.011	-8.30	54497	54964	53478	0
145.021	-8.60	54498	54964	53479	1
145.055	-8.52	54499	54964	53480	1
145.085	-8.58	54500	54965	53481	1
145.113	-8.38	54501	54965	53482	1
145.137	-8.52	54502	54966	53483	1
145.159	-8.56	54503	54966	53484	0
145.162	-8.82	54503	54966	53484	3
145.234	-8.87	54506	54967	53488	1
145.250	-8.73	54506	54967	53490	1
145.277	-8.41	54507	54968	53492	0
145.279	-8.36	54508	54968	53492	1
145.304	-8.72	54508	54968	53494	0
145.307	-8.71	54509	54968	53494	3
145.381	-8.68	54511	54969	53500	0
145.388	-8.20	54512	54969	53501	1
145.415	-8.16	54513	54970	53503	1
145.439	-8.13	54514	54970	53505	0
145.446	-8.50	54514	54970	53505	0
145.454	-8.45	54514	54970	53506	2
145.500	-8.37	54516	54971	53510	1
145.527	-8.09	54517	54971	53512	1
145.545	-8.09	54518	54972	53514	2
145.588	-8.22	54519	54972	53517	0
145.599	-8.22	54520	54972	53518	0
145.607	-8.20	54520	54973	53519	2
145.667	-8.19	54522	54974	53524	0
145.670	-8.22	54523	54974	53525	2
145.711	-8.11	54524	54974	53528	1
145.728	-8.01	54525	54974	53530	0
145.740	-8.03	54525	54975	53531	0
145.750	-8.03	54526	54975	53532	1

145.784	-8.13	54527	54975	53535	0
145.791	-8.12	54527	54975	53535	1
145.810	-8.24	54528	54976	53537	2
145.865	-8.12	54530	54977	53542	1
145.878	-8.13	54531	54977	53543	1
145.893	-8.18	54531	54977	53544	2
145.945	-8.24	54533	54978	53549	2
145.997	-8.26	54535	54979	53554	0
146.000	-8.08	54535	54979	53554	0
146.011	-8.09	54536	54979	53555	3
146.076	-7.93	54538	54980	53561	1
146.095	-8.10	54539	54980	53563	1
146.131	-8.02	54540	54981	53567	0
146.139	-7.99	54541	54981	53567	2
146.186	-7.96	54543	54982	53572	1
146.200	-7.93	54543	54982	53573	1
146.236	-7.89	54544	54983	53576	0
146.240	-7.84	54545	54983	53577	0
146.250	-7.86	54545	54983	53578	0
146.257	-8.07	54545	54983	53578	0
146.259	-8.05	54545	54983	53579	1
146.272	-8.17	54546	54983	53580	2
146.317	-8.09	54548	54984	53584	1
146.351	-8.22	54549	54984	53587	1
146.373	-8.15	54550	54985	53589	0
146.381	-8.24	54550	54985	53590	2
146.425	-8.24	54552	54985	53594	0
146.426	-8.07	54552	54986	53594	0
146.427	-8.07	54552	54986	53594	2
146.479	-8.04	54554	54986	53599	1
146.494	-8.37	54554	54987	53601	0
146.501	-8.41	54555	54987	53602	0
146.506	-8.39	54555	54987	53602	1
146.528	-8.31	54556	54987	53604	1
146.557	-8.26	54557	54988	53607	1
146.575	-8.28	54558	54988	53609	0
146.586	-8.08	54558	54988	53610	1

146.614	-8.10	54559	54988	53612	0
146.618	-8.04	54559	54988	53613	0
146.620	-8.21	54559	54989	53613	2
146.662	-8.21	54561	54989	53617	0
146.667	-8.24	54561	54989	53617	1
146.701	-8.29	54563	54990	53620	1
146.714	-8.31	54563	54990	53622	1
146.729	-8.17	54564	54990	53623	0
146.733	-8.12	54564	54990	53623	0
146.737	-8.07	54564	54990	53624	1
146.750	-8.17	54564	54991	53625	0
146.756	-8.19	54565	54991	53626	1
146.771	-8.14	54565	54991	53627	1
146.789	-8.21	54566	54991	53629	0
146.793	-8.17	54566	54991	53629	0
146.801	-8.14	54566	54991	53630	1
146.825	-8.04	54567	54992	53632	0
146.829	-7.97	54567	54992	53633	1
146.846	-8.09	54568	54992	53634	0
146.853	-8.03	54568	54992	53635	1
146.871	-8.08	54569	54992	53636	0
146.874	-8.04	54569	54992	53637	0
146.876	-8.09	54569	54992	53637	1
146.891	-8.13	54570	54993	53638	0
146.894	-8.03	54570	54993	53639	0
146.905	-8.14	54570	54993	53640	0
146.908	-8.18	54571	54993	53640	0
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146.923	-8.08	54571	54993	53641	0
146.925	-8.17	54571	54993	53641	1
146.957	-8.22	54572	54994	53644	2
147.000	-8.19	54574	54994	53648	1
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147.066	-8.45	54577	54995	53654	1
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147.174	-8.50	54581	54997	53664	1
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147.250	-8.51	54584	54998	53671	1
147.282	-8.53	54585	54998	53674	3
147.369	-8.13	54588	54999	53682	1
147.389	-8.24	54589	55000	53683	2
147.432	-8.89	54591	55000	53687	2
147.495	-8.79	54593	55001	53693	0
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147.602	-8.62	54597	55003	53702	2
147.649	-8.83	54599	55003	53706	2
147.709	-8.62	54601	55004	53712	0
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147.750	-9.12	54603	55005	53715	3
147.817	-9.24	54605	55006	53721	4
147.911	-9.13	54609	55007	53730	1
147.926	-8.84	54610	55007	53731	3
148.000	-9.20	54612	55009	53737	1
148.037	-9.14	54614	55009	53741	1
148.063	-9.42	54615	55009	53743	3
148.146	-9.26	54618	55011	53750	0
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148.250	-9.46	54622	55012	53760	1
148.264	-9.57	54623	55013	53761	3
148.345	-9.82	54626	55014	53768	1
148.380	-9.81	54627	55014	53771	5
148.500	-9.98	54632	55016	53782	4
148.606	-10.04	54636	55018	53792	1
148.622	-10.08	54636	55019	53793	2
148.674	-10.08	54638	55020	53798	2
148.720	-10.27	54640	55020	53802	1
148.747	-10.23	54641	55021	53805	0
148.750	-10.15	54641	55021	53805	0
148.760	-10.15	54642	55021	53806	2
148.810	-10.26	54644	55022	53811	2
148.873	-10.33	54646	55023	53817	0
148.884	-10.27	54647	55023	53818	5

149.000	-10.04	54651	55026	53829	5
149.127	-9.97	54656	55028	53841	2
149.167	-9.98	54658	55029	53845	3
149.250	-10.00	54661	55031	53853	0
149.252	-10.05	54661	55031	53854	5
149.375	-10.04	54666	55034	53866	0
149.376	-10.20	54666	55034	53866	2
149.431	-10.00	54668	55035	53872	3
149.498	-9.96	54671	55037	53879	0
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149.609	-9.97	54675	55039	53890	0
149.617	-10.05	54675	55040	53891	5
149.731	-10.28	54680	55042	53903	1
149.750	-10.07	54681	55043	53905	1
149.769	-9.83	54681	55043	53907	3
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149.854	-10.13	54685	55045	53916	4
149.946	-10.35	54688	55048	53926	2
150.000	-10.31	54691	55049	53932	1
150.027	-10.11	54692	55050	53934	1
150.044	-10.15	54692	55050	53936	2
150.094	-10.28	54694	55051	53942	2
150.136	-10.34	54696	55052	53946	3
150.217	-10.29	54699	55054	53955	0
150.220	-10.22	54699	55055	53955	1
150.250	-10.26	54700	55055	53959	2
150.296	-10.37	54702	55056	53964	1
150.315	-10.47	54703	55057	53966	1
150.351	-10.52	54704	55058	53970	0
150.362	-10.49	54705	55058	53971	2
150.419	-10.44	54707	55059	53977	1
150.441	-10.49	54708	55060	53980	1
150.465	-10.60	54709	55061	53982	1
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150.526	-10.62	54711	55062	53989	0
150.528	-10.53	54711	55062	53989	0

150.529	-10.33	54711	55062	53989	0
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150.536	-10.46	54712	55062	53990	0
150.538	-10.59	54712	55062	53990	0
150.539	-10.66	54712	55062	53990	0
150.541	-10.70	54712	55062	53991	0
150.542	-10.64	54712	55063	53991	1
150.559	-10.64	54713	55063	53993	0
150.565	-10.40	54713	55063	53993	1
150.585	-10.24	54714	55064	53995	0
150.589	-10.23	54714	55064	53996	1
150.605	-10.22	54714	55064	53998	1
150.630	-10.17	54715	55065	54000	0
150.634	-10.15	54716	55065	54001	0
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150.668	-10.29	54717	55066	54005	1
150.694	-10.27	54718	55066	54008	1
150.724	-9.96	54719	55067	54011	1
150.740	-10.13	54720	55067	54013	0
150.750	-10.07	54720	55067	54014	1
150.771	-10.26	54721	55068	54016	1
150.805	-10.13	54722	55069	54020	0
150.813	-10.22	54723	55069	54021	2
150.869	-10.22	54725	55070	54027	2
150.917	-10.26	54727	55071	54032	0
150.921	-10.25	54727	55071	54033	2
150.979	-10.29	54729	55073	54039	0
150.988	-10.41	54729	55073	54040	0
151.000	-10.28	54730	55073	54042	2
151.054	-10.26	54732	55074	54048	0
151.066	-10.11	54732	55075	54049	3
151.132	-10.09	54735	55076	54057	1
151.159	-10.10	54736	55077	54060	3
151.250	-10.13	54739	55079	54070	0
151.258	-10.09	54740	55079	54071	2
151.302	-10.01	54741	55080	54076	0
151.304	-10.12	54741	55080	54076	7

151.500	-10.11	54749	55084	54098	9
151.728	-10.13	54757	55088	54125	1
151.750	-10.05	54758	55088	54128	0
151.755	-10.18	54758	55088	54128	1
151.794	-10.06	54760	55089	54133	7
151.980	-10.14	54767	55092	54155	1
152.000	-9.97	54767	55092	54158	2
152.061	-10.15	54770	55093	54165	3
152.131	-9.93	54772	55094	54174	4
152.250	-10.14	54777	55096	54190	0
152.252	-10.19	54777	55096	54190	6
152.405	-10.38	54782	55098	54210	3
152.495	-10.23	54785	55099	54222	0
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152.539	-10.23	54787	55099	54228	7
152.750	-10.35	54794	55101	54258	1
152.774	-10.43	54795	55101	54261	2
152.834	-10.51	54797	55102	54270	1
152.874	-10.44	54799	55102	54276	4
153.000	-10.38	54803	55103	54295	5
153.132	-10.44	54807	55103	54316	1
153.155	-10.59	54808	55103	54319	3
153.250	-10.61	54812	55104	54334	0
153.252	-10.34	54812	55104	54335	6
153.429	-10.41	54818	55105	54363	2
153.500	-10.40	54820	55105	54375	1
153.537	-10.54	54821	55105	54381	3
153.617	-10.39	54824	55105	54394	4
153.717	-10.55	54828	55106	54410	1
153.750	-10.65	54829	55106	54416	6
153.906	-10.76	54835	55107	54441	2
153.954	-10.63	54836	55108	54449	1
153.993	-10.81	54838	55108	54455	0
154.000	-10.64	54838	55108	54456	10
154.250	-10.79	54848	55112	54495	10
154.484	-10.69	54858	55117	54529	0
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154.500	-10.73	54858	55117	54531	3
154.559	-10.69	54861	55119	54539	6
154.687	-10.54	54867	55122	54556	0
154.696	-10.56	54867	55123	54557	3
154.750	-10.56	54870	55124	54564	4
154.832	-10.74	54874	55127	54574	0
154.836	-10.51	54874	55128	54574	2
154.886	-10.49	54876	55130	54580	3
154.947	-10.34	54879	55132	54587	3
155.000	-10.50	54882	55135	54593	1
155.025	-10.35	54883	55136	54595	2
155.057	-10.58	54885	55137	54598	1
155.070	-10.61	54886	55138	54600	0
155.076	-10.56	54886	55138	54600	2
155.106	-10.31	54888	55140	54603	1
155.120	-10.10	54888	55141	54605	0
155.125	-9.95	54889	55141	54605	0
155.128	-9.81	54889	55141	54605	0
155.137	-9.62	54889	55141	54606	0
155.146	-9.67	54890	55142	54607	0
155.153	-9.74	54890	55142	54608	0
155.154	-9.91	54890	55142	54608	0
155.160	-9.76	54890	55143	54608	1
155.175	-9.82	54891	55143	54610	0
155.180	-9.79	54892	55144	54610	1
155.202	-9.82	54893	55145	54612	0
155.209	-9.96	54893	55145	54613	1
155.225	-9.96	54894	55146	54614	1
155.250	-10.14	54895	55148	54616	0
155.253	-10.13	54896	55148	54617	1
155.268	-10.00	54896	55149	54618	1
155.277	-10.19	54897	55149	54619	1
155.291	-9.97	54898	55150	54620	1
155.307	-10.31	54899	55151	54621	2
155.344	-10.41	54901	55153	54624	1
155.364	-10.29	54902	55154	54626	0
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155.381	-9.92	54903	55155	54628	3
155.432	-10.22	54906	55159	54632	1
155.453	-10.29	54907	55160	54633	1
155.464	-10.60	54908	55161	54634	2
155.495	-10.36	54910	55163	54636	0
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155.500	-9.70	54910	55163	54637	0
155.501	-9.99	54910	55163	54637	4
155.569	-10.47	54914	55168	54642	0
155.571	-10.65	54914	55168	54642	2
155.600	-10.65	54916	55170	54644	2
155.636	-10.14	54918	55172	54647	0
155.641	-10.10	54919	55173	54647	1
155.661	-10.18	54920	55174	54649	1
155.670	-10.06	54920	55175	54649	2
155.709	-10.10	54923	55177	54652	1
155.720	-10.04	54924	55178	54653	1
155.741	-10.63	54925	55180	54654	1
155.750	-10.32	54925	55180	54655	1
155.773	-10.33	54927	55182	54656	2
155.805	-9.70	54929	55184	54658	0
155.812	-10.02	54929	55185	54659	0
155.815	-10.01	54930	55185	54659	1
155.832	-10.69	54931	55186	54660	3
155.873	-10.58	54934	55189	54663	1
155.883	-10.64	54934	55190	54664	0
155.887	-10.54	54934	55190	54664	0
155.892	-9.80	54935	55191	54664	2
155.925	-9.76	54937	55193	54666	0
155.927	-9.74	54937	55193	54666	1
155.937	-10.49	54938	55194	54667	1
155.956	-10.46	54939	55196	54668	1
155.967	-10.50	54940	55196	54669	1
155.975	-10.53	54940	55197	54670	0
155.976	-10.43	54940	55197	54670	0
155.979	-10.45	54941	55197	54670	1
156.000	-9.89	54942	55199	54671	0

156.004	-9.26	54942	55199	54671	1
156.019	-9.13	54943	55200	54672	3
156.059	-9.53	54946	55203	54675	3
156.097	-10.09	54949	55206	54678	3
156.135	-9.99	54951	55209	54680	2
156.166	-9.18	54954	55212	54682	1
156.174	-9.09	54954	55212	54683	3
156.215	-8.92	54957	55216	54685	1
156.235	-9.08	54958	55217	54687	1
156.250	-8.54	54960	55218	54688	1
156.259	-8.55	54960	55219	54688	4
156.308	-8.90	54964	55223	54691	4
156.364	-9.10	54968	55227	54695	5
156.427	-8.71	54972	55232	54700	5
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156.583	-8.04	54984	55245	54711	7
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156.750	-8.26	54997	55258	54724	2
156.779	-8.39	54999	55260	54727	2
156.799	-8.32	55001	55261	54729	7
156.893	-8.36	55008	55269	54737	0
156.896	-8.12	55009	55269	54737	8
157.000	-8.27	55017	55276	54747	1
157.016	-8.25	55018	55278	54749	9
157.131	-8.40	55028	55286	54761	1
157.149	-8.39	55029	55287	54763	8
157.250	-8.66	55038	55294	54774	3
157.291	-8.80	55041	55297	54779	5
157.351	-8.65	55046	55301	54786	8
157.443	-8.53	55054	55307	54797	4
157.493	-8.53	55058	55311	54803	1
157.500	-8.91	55059	55311	54804	9
157.604	-9.02	55068	55318	54817	13
157.750	-9.27	55081	55327	54835	2
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157.859	-9.27	55090	55334	54850	2
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158.292	-9.66	55128	55362	54907	4
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158.544	-9.35	55151	55378	54940	16
158.724	-9.62	55167	55390	54962	2
158.750	-9.61	55169	55391	54965	1
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158.979	-9.41	55189	55407	54992	2
159.000	-9.42	55191	55408	54994	1
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159.173	-9.53	55206	55420	55012	3
159.209	-9.52	55209	55423	55016	4
159.250	-9.62	55213	55426	55020	17
159.446	-9.33	55229	55440	55038	5
159.500	-9.33	55234	55444	55043	12
159.637	-9.45	55245	55454	55055	0
159.640	-9.54	55246	55454	55055	4
159.692	-9.49	55250	55458	55060	5
159.750	-9.36	55255	55462	55064	16
159.945	-9.40	55271	55475	55080	4
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160.500	-9.47	55315	55511	55124	8
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160.747	-9.63	55335	55524	55143	0
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160.985	-9.52	55353	55535	55163	1
161.000	-9.58	55354	55535	55164	2

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161.087	-9.74	55360	55539	55172	12
161.250	-9.69	55372	55544	55187	5
161.317	-9.72	55377	55547	55193	14
161.500	-9.63	55391	55553	55210	6
161.579	-9.73	55397	55555	55218	2
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162.535	-9.51	55473	55608	55315	2
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162.750	-9.86	55492	55629	55337	10
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163.000	-9.84	55515	55660	55363	4
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163.181	-9.64	55534	55688	55382	7
163.250	-9.65	55541	55699	55389	26
163.500	-9.88	55567	55743	55414	1
163.512	-9.83	55568	55746	55415	0
163.514	-9.73	55569	55746	55416	25
163.750	-9.66	55594	55791	55439	9
163.836	-9.51	55603	55807	55447	1
163.849	-9.55	55605	55810	55448	14
163.974	-9.63	55618	55834	55460	3
164.000	-9.83	55621	55839	55462	21
164.192	-9.89	55642	55876	55479	6
164.250	-9.83	55648	55886	55484	18
164.419	-9.87	55665	55916	55499	8
164.500	-9.90	55674	55930	55505	4
164.539	-9.89	55678	55936	55509	1

164.549	-9.70	55679	55938	55509	20
164.750	-9.77	55698	55968	55525	9
164.845	-9.83	55707	55980	55532	4
164.892	-9.98	55711	55986	55535	9
165.000	-9.98	55721	55997	55543	20
165.250	-9.95	55741	56018	55559	18
165.500	-10.03	55759	56031	55573	8
165.612	-9.90	55767	56035	55578	1
165.631	-9.96	55768	56036	55579	8
165.750	-9.94	55776	56039	55585	11
165.934	-9.81	55787	56042	55592	3
165.979	-9.66	55790	56042	55593	1
165.990	-9.64	55790	56042	55593	1
166.000	-9.78	55791	56042	55593	14
166.250	-9.81	55805	56044	55597	4
166.328	-9.77	55809	56044	55598	1
166.350	-9.67	55810	56044	55599	8
166.500	-9.72	55817	56045	55600	5
166.598	-9.55	55822	56045	55601	2
166.647	-9.67	55825	56046	55602	4
166.725	-9.65	55828	56046	55602	1
166.750	-9.76	55829	56047	55602	9
166.948	-9.73	55838	56051	55603	2
167.000	-9.75	55841	56052	55603	5
167.104	-9.81	55845	56056	55603	6
167.233	-9.81	55851	56061	55603	0
167.241	-9.57	55851	56061	55603	0
167.250	-9.60	55852	56062	55603	10
167.485	-9.63	55862	56074	55603	1
167.500	-9.92	55863	56075	55603	0
167.503	-9.86	55863	56075	55603	10
167.750	-9.87	55873	56091	55603	1
167.762	-9.83	55874	56092	55603	4
167.861	-9.60	55878	56100	55603	0
167.869	-9.52	55878	56100	55603	5
168.000	-9.50	55884	56111	55603	0
168.009	-9.70	55884	56111	55603	10

168.247	-9.67	55894	56132	55603	0
168.250	-9.66	55894	56132	55603	0
168.255	-9.61	55894	56133	55603	8
168.457	-9.43	55903	56151	55603	1
168.478	-9.34	55903	56153	55603	1
168.500	-9.39	55904	56155	55603	6
168.644	-9.56	55910	56169	55603	2
168.702	-9.58	55913	56175	55603	2
168.750	-9.52	55915	56179	55603	7
168.923	-9.48	55922	56197	55603	3
169.000	-9.45	55925	56204	55603	1
169.025	-9.17	55926	56207	55603	0
169.034	-9.17	55927	56208	55603	5
169.141	-9.13	55931	56218	55603	5
169.250	-9.38	55936	56229	55603	5
169.359	-9.40	55941	56240	55603	3
169.426	-9.42	55944	56243	55603	3
169.500	-9.41	55947	56247	55603	3
169.566	-8.97	55949	56250	55603	0
169.577	-8.94	55950	56251	55603	7
169.750	-8.90	55957	56259	55603	2
169.798	-9.23	55959	56262	55603	1
169.819	-9.21	55959	56263	55603	7
170.000	-9.16	55966	56271	55604	1
170.023	-9.09	55967	56272	55604	2
170.076	-8.55	55969	56275	55605	4
170.212	-8.56	55973	56281	55606	1
170.250	-8.56	55975	56283	55606	0
170.254	-8.92	55975	56283	55606	4
170.493	-8.68	55978	56295	55608	0
170.500	-8.70	55978	56295	55608	1
170.555	-8.36	55979	56297	55608	1
170.606	-8.43	55980	56300	55608	1
170.741	-8.15	55981	56306	55609	0
170.750	-8.33	55981	56306	55609	2
171.000	-8.04	55983	56316	55609	1
171.250	-7.97	55984	56326	55609	0

171.271	-7.92	55984	56327	55609	0
171.394	-7.98	55984	56331	55609	0
171.411	-7.82	55984	56332	55609	0
171.500	-7.78	55984	56335	55609	0
171.554	-7.77	55984	56337	55609	0
171.750	-7.93	55984	56342	55609	0
171.787	-7.98	55984	56343	55609	0
171.789	-7.85	55984	56343	55609	0
171.848	-7.83	55984	56345	55609	0
172.000	-7.79	55984	56347	55609	0
172.137	-7.81	55984	56349	55609	0
172.151	-7.81	55984	56349	55609	0
172.180	-7.92	55984	56350	55609	0
172.250	-7.94	55984	56350	55609	0
172.459	-7.81	55984	56351	55609	0
172.464	-7.65	55984	56351	55609	0
172.500	-7.68	55984	56351	55609	0
172.573	-7.95	55984	56351	55609	0
172.750	-8.04	55984	56351	55609	0
172.758	-7.98	55984	56351	55609	0
172.783	-7.84	55984	56351	55609	0
172.966	-7.88	55984	56351	55609	0
173.000	-8.01	55984	56351	55609	0
173.036	-7.88	55984	56351	55609	0
173.110	-7.79	55984	56351	55609	0
173.250	-7.77	55984	56351	55609	0
173.295	-7.80	55984	56351	55609	0
173.359	-7.84	55984	56351	55609	0
173.442	-7.84	55984	56351	55609	0
173.500	-7.95	55984	56351	55609	0
173.541	-7.83	55984	56351	55609	0
173.750	-7.81	55984	56351	55610	0
173.751	-7.89	55984	56351	55610	0
173.774	-7.93	55984	56351	55610	0
173.779	-7.93	55984	56351	55611	1
173.998	-7.82	55984	56351	55612	0
174.000	-7.84	55984	56351	55612	0

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174.144	-7.95	55985	56351	55613	0
174.215	-7.97	55985	56351	55614	0
174.250	-8.06	55985	56351	55614	1
174.430	-8.02	55986	56351	55616	0
174.462	-8.00	55986	56351	55617	0
174.500	-7.95	55987	56351	55617	0
174.536	-7.96	55987	56351	55618	1
174.645	-7.97	55988	56351	55619	1
174.750	-7.99	55988	56351	55620	0
174.807	-7.91	55989	56351	55621	0
174.862	-7.91	55989	56351	55622	1
174.928	-7.87	55990	56351	55623	1
175.000	-7.91	55990	56351	55624	1
175.084	-7.95	55991	56351	55625	1
175.153	-7.98	55992	56351	55626	2
175.250	-8.02	55994	56351	55628	1
175.315	-8.01	55995	56351	55630	0
175.321	-7.99	55995	56351	55630	4
175.498	-7.97	55999	56351	55636	0
175.500	-7.97	55999	56351	55636	1
175.558	-7.94	56001	56352	55638	4
175.713	-7.87	56005	56354	55644	1
175.750	-7.86	56006	56354	55645	2
175.814	-7.95	56007	56355	55648	1
175.842	-8.06	56008	56356	55649	5
176.000	-8.05	56013	56359	55656	3
176.088	-8.16	56015	56362	55660	1
176.105	-8.04	56016	56362	55661	2
176.183	-8.09	56018	56364	55665	2
176.250	-8.02	56020	56366	55668	4
176.382	-8.15	56025	56370	55675	4
176.498	-8.03	56029	56374	55682	0
176.500	-7.93	56029	56374	55682	1
176.521	-7.94	56030	56374	55684	7
176.699	-7.98	56036	56380	55695	2
176.750	-7.91	56038	56382	55698	4

176.855	-7.90	56042	56385	55706	1
176.890	-7.90	56044	56386	55709	5
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177.043	-7.95	56050	56390	55721	6
177.184	-7.96	56056	56394	55733	3
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177.283	-7.94	56061	56397	55741	6
177.415	-8.03	56067	56400	55753	4
177.500	-8.11	56071	56402	55761	0
177.506	-8.09	56071	56402	55761	8
177.676	-8.03	56079	56406	55776	4
177.750	-8.01	56083	56408	55783	3
177.818	-8.22	56086	56409	55789	0
177.821	-8.21	56086	56410	55789	9
178.000	-8.17	56095	56413	55804	3
178.069	-7.97	56098	56415	55810	3
178.127	-8.04	56101	56416	55814	6
178.250	-8.03	56108	56419	55822	0
178.257	-8.22	56108	56419	55822	9
178.425	-8.18	56116	56423	55828	2
178.462	-8.30	56118	56423	55829	2
178.500	-8.13	56120	56424	55830	11
178.711	-8.13	56131	56429	55835	1
178.733	-8.15	56132	56430	55835	1
178.750	-8.14	56133	56430	55836	5
178.856	-8.25	56139	56433	55837	7
178.987	-8.18	56145	56436	55839	1
179.000	-8.12	56146	56436	55839	13
179.250	-7.99	56159	56443	55839	13
179.500	-7.93	56171	56451	55839	7
179.644	-8.10	56178	56455	55839	5
179.737	-8.12	56183	56458	55839	1
179.750	-8.10	56184	56458	55839	3
179.808	-8.19	56186	56460	55839	8
179.963	-8.25	56194	56468	55839	2
180.000	-8.32	56196	56471	55839	2
180.038	-8.27	56198	56473	55839	7

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180.250	-8.45	56208	56487	55839	7
180.381	-8.57	56215	56496	55839	1
180.398	-8.71	56216	56497	55839	2
180.431	-8.93	56217	56499	55839	3
180.500	-8.77	56221	56504	55839	4
180.575	-8.86	56225	56509	55839	9
180.750	-8.74	56234	56520	55839	1
180.760	-9.06	56234	56521	55839	3
180.822	-9.18	56237	56525	55839	6
180.936	-9.41	56243	56532	55840	3
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181.250	-9.50	56259	56552	55846	1
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181.423	-9.51	56268	56563	55851	4
181.500	-9.53	56272	56568	55854	4
181.573	-9.59	56276	56572	55856	1
181.597	-9.56	56278	56574	55858	2
181.631	-9.60	56279	56576	55860	5
181.718	-9.62	56284	56581	55867	2
181.750	-9.51	56286	56584	55870	6
181.859	-9.73	56292	56591	55880	7
181.979	-9.59	56298	56598	55891	1
181.997	-9.81	56299	56600	55892	0
182.000	-9.60	56299	56600	55893	7
182.131	-9.81	56307	56609	55905	7
182.250	-9.63	56313	56617	55917	0
182.252	-9.75	56313	56617	55917	1
182.264	-9.75	56314	56618	55918	5
182.357	-9.81	56319	56624	55927	2
182.396	-9.91	56322	56627	55931	6
182.500	-9.74	56328	56635	55941	2
182.527	-9.83	56329	56637	55944	8
182.658	-9.77	56337	56647	55956	4

182.730	-9.69	56341	56652	55963	1
182.750	-9.53	56342	56654	55964	2
182.790	-9.57	56344	56657	55968	4
182.860	-9.71	56348	56663	55974	4
182.924	-9.87	56352	56668	55979	5
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183.060	-9.81	56360	56680	55990	2
183.098	-9.79	56363	56684	55993	6
183.198	-9.91	56369	56693	56000	3
183.250	-9.79	56372	56698	56004	6
183.341	-9.82	56378	56706	56010	6
183.445	-9.67	56384	56717	56016	1
183.459	-9.80	56385	56718	56017	2
183.488	-9.79	56387	56721	56019	1
183.500	-9.87	56387	56722	56019	9
183.639	-9.92	56396	56737	56027	7
183.750	-9.81	56403	56749	56033	3
183.797	-9.97	56406	56754	56035	1
183.814	-9.92	56407	56756	56036	10
183.961	-10.15	56417	56773	56043	2
183.995	-9.98	56419	56777	56045	0
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184.133	-9.84	56428	56794	56051	2
184.161	-9.88	56430	56797	56052	6
184.250	-9.99	56436	56808	56056	4
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184.500	-10.11	56453	56842	56066	14
184.697	-10.27	56467	56869	56075	4
184.750	-10.15	56471	56877	56077	6
184.830	-10.12	56476	56889	56080	5
184.903	-10.18	56482	56900	56084	3
184.951	-10.14	56485	56907	56086	4
185.000	-10.09	56489	56915	56088	8
185.116	-10.05	56497	56934	56094	3
185.152	-10.02	56500	56939	56095	7
185.250	-9.95	56507	56956	56100	6
185.337	-9.91	56514	56970	56104	1

185.350	-9.94	56515	56973	56105	9
185.466	-9.97	56523	56993	56111	3
185.500	-9.74	56526	56999	56113	5
185.563	-9.85	56531	57011	56116	11
185.702	-9.84	56541	57037	56123	4
185.750	-9.80	56545	57046	56125	2
185.772	-9.67	56547	57050	56126	2
185.795	-9.79	56548	57055	56128	16
186.000	-9.77	56564	57097	56138	1
186.014	-9.79	56565	57100	56138	1
186.032	-9.76	56567	57103	56139	3
186.071	-9.82	56570	57112	56141	14
186.250	-9.74	56583	57151	56150	2
186.273	-9.86	56585	57156	56151	1
186.290	-9.93	56586	57160	56152	6
186.363	-9.96	56592	57177	56155	11
186.500	-9.64	56603	57210	56161	1
186.517	-9.83	56604	57214	56161	1
186.536	-9.93	56605	57219	56162	9
186.649	-9.96	56614	57248	56167	8
186.750	-9.67	56622	57274	56170	1
186.757	-9.61	56622	57276	56171	1
186.764	-9.89	56623	57278	56171	13
186.929	-9.87	56635	57323	56176	2
186.957	-9.87	56638	57331	56177	3
187.000	-9.61	56641	57343	56179	1
187.012	-9.92	56642	57346	56179	10
187.144	-9.94	56652	57385	56182	4
187.203	-10.00	56656	57403	56184	4
187.250	-9.84	56660	57417	56185	1
187.261	-9.94	56660	57420	56185	4
187.320	-9.96	56665	57438	56186	11
187.472	-9.89	56676	57485	56189	2
187.493	-9.79	56678	57492	56190	1
187.500	-9.86	56678	57494	56190	1
187.510	-10.08	56679	57497	56190	12
187.667	-10.10	56690	57546	56193	5

187.735	-10.04	56695	57567	56194	1
187.750	-9.88	56696	57572	56194	1
187.758	-10.05	56697	57575	56194	7
187.848	-10.09	56704	57603	56195	11
187.995	-10.07	56714	57649	56197	0
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188.005	-10.01	56715	57652	56197	3
188.040	-10.11	56718	57662	56198	15
188.250	-10.18	56733	57726	56200	17
188.481	-10.10	56750	57793	56204	1
188.492	-10.20	56751	57796	56204	1
188.500	-10.15	56752	57798	56204	0
188.502	-10.01	56752	57799	56204	17
188.731	-10.01	56769	57859	56208	0
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188.750	-9.97	56770	57864	56208	16
188.967	-9.92	56787	57916	56213	2
188.994	-9.86	56789	57922	56213	0
189.000	-9.89	56789	57923	56214	0
189.003	-9.62	56790	57924	56214	15
189.200	-9.84	56805	57964	56219	3
189.236	-9.63	56808	57971	56220	1
189.250	-9.73	56809	57973	56220	3
189.292	-9.41	56812	57981	56221	11
189.431	-9.62	56823	58006	56226	3
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189.500	-9.66	56828	58017	56228	7
189.596	-9.32	56836	58032	56231	5
189.659	-9.62	56840	58042	56233	4
189.710	-9.29	56844	58049	56235	3
189.750	-9.66	56848	58055	56236	10
189.884	-9.64	56858	58074	56240	2
189.915	-9.56	56860	58079	56241	2
189.944	-9.24	56863	58083	56242	4
190.000	-9.15	56867	58090	56244	8
190.106	-9.53	56875	58104	56248	5
190.175	-9.53	56881	58113	56250	6

190.246	-9.13	56886	58122	56252	0
190.250	-9.00	56887	58123	56252	6
190.327	-9.30	56893	58133	56255	6
190.404	-9.62	56899	58143	56257	7
190.500	-9.53	56906	58155	56260	3
190.544	-9.55	56909	58161	56261	3
190.589	-9.14	56913	58167	56262	3
190.631	-9.11	56916	58173	56263	9
190.750	-8.85	56925	58189	56266	1
190.760	-9.39	56926	58190	56266	7
190.856	-9.54	56933	58204	56268	6
190.942	-9.20	56939	58217	56270	2
190.973	-9.18	56942	58222	56270	2
191.000	-9.05	56944	58226	56271	6
191.079	-9.42	56950	58238	56272	8
191.183	-9.40	56957	58255	56273	5
191.250	-9.43	56962	58266	56274	4
191.301	-9.48	56966	58275	56274	0
191.302	-9.01	56966	58275	56274	6
191.392	-9.10	56972	58290	56275	9
191.522	-9.03	56982	58313	56276	5
191.598	-9.34	56987	58327	56276	5
191.669	-8.92	56992	58340	56276	5
191.742	-8.93	56997	58353	56277	1
191.750	-8.89	56998	58354	56277	4
191.802	-9.15	57001	58364	56277	11
191.962	-9.12	57013	58393	56277	3
192.000	-9.07	57015	58400	56277	0
192.004	-9.11	57015	58401	56277	3
192.041	-8.84	57018	58408	56277	10
192.180	-8.94	57027	58433	56278	2
192.205	-8.90	57029	58438	56278	3
192.250	-9.08	57032	58446	56278	10
192.399	-9.04	57042	58473	56279	0
192.403	-9.02	57043	58474	56279	1
192.416	-8.79	57043	58476	56279	6
192.500	-8.69	57049	58491	56279	7

192.599	-8.72	57056	58508	56280	1
192.617	-8.96	57057	58511	56280	9
192.750	-8.88	57066	58533	56281	3
192.793	-8.57	57069	58540	56282	0
192.794	-8.61	57069	58540	56282	3
192.835	-8.67	57071	58547	56282	10
192.987	-8.94	57081	58571	56284	1
193.000	-8.85	57082	58573	56285	3
193.053	-8.91	57086	58580	56285	8
193.170	-8.75	57093	58597	56288	1
193.178	-8.80	57094	58598	56288	5
193.250	-8.63	57098	58608	56289	1
193.271	-8.80	57100	58611	56290	6
193.367	-8.77	57106	58623	56292	8
193.490	-8.91	57114	58639	56295	1
193.500	-8.76	57115	58640	56296	3
193.546	-8.59	57117	58645	56297	1
193.555	-8.52	57118	58646	56297	10
193.710	-8.76	57128	58664	56302	2
193.742	-8.87	57130	58668	56303	1
193.750	-8.79	57131	58669	56303	11
193.918	-8.50	57141	58686	56309	1
193.927	-8.54	57142	58687	56309	0
193.931	-8.74	57142	58687	56309	4
194.000	-8.76	57146	58694	56312	7
194.110	-8.75	57153	58704	56315	3
194.153	-8.69	57156	58708	56317	6
194.250	-8.71	57162	58717	56321	2
194.285	-8.57	57164	58720	56322	1
194.293	-8.52	57165	58721	56322	5
194.376	-8.59	57170	58727	56325	6
194.474	-8.64	57176	58735	56329	2
194.500	-8.47	57178	58737	56330	6
194.601	-8.57	57184	58745	56334	3
194.647	-8.45	57187	58748	56336	0
194.654	-8.55	57188	58749	56336	6
194.750	-8.40	57193	58755	56340	5

194.827	-8.52	57198	58761	56343	0
194.832	-8.54	57199	58761	56344	10
195.000	-8.44	57209	58772	56350	1
195.010	-8.44	57210	58772	56351	3
195.056	-8.46	57213	58775	56353	8
195.186	-8.58	57221	58783	56358	4
195.250	-8.54	57225	58786	56360	2
195.286	-8.49	57227	58788	56362	4
195.344	-8.24	57230	58791	56364	1
195.362	-8.32	57231	58792	56365	9
195.500	-8.28	57240	58799	56371	1
195.519	-8.54	57241	58800	56371	1
195.537	-8.45	57242	58801	56372	9
195.677	-8.28	57251	58808	56378	2
195.710	-8.05	57253	58810	56379	2
195.750	-8.01	57255	58811	56381	0
195.754	-8.32	57256	58812	56381	8
195.883	-8.38	57264	58818	56387	7
195.992	-8.62	57270	58822	56392	0
195.997	-8.35	57271	58823	56392	0
196.000	-8.37	57271	58823	56392	3
196.055	-8.08	57274	58825	56394	11
196.227	-8.04	57285	58832	56402	0
196.233	-8.25	57285	58832	56403	1
196.250	-8.30	57287	58833	56403	3
196.303	-8.38	57290	58835	56406	6
196.398	-8.11	57296	58839	56411	5
196.477	-8.26	57301	58842	56415	1
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196.568	-8.38	57307	58846	56419	2
196.593	-8.11	57308	58847	56420	8
196.724	-8.23	57316	58852	56427	1
196.738	-8.23	57317	58853	56428	1
196.750	-8.32	57318	58853	56429	10
196.908	-8.23	57328	58859	56438	4
196.975	-8.16	57332	58862	56441	2
197.000	-8.14	57334	58863	56443	5

197.077	-8.20	57339	58866	56448	3
197.119	-8.03	57342	58868	56450	7
197.230	-7.96	57349	58873	56457	1
197.245	-7.84	57350	58873	56458	0
197.250	-7.98	57350	58873	56458	7
197.352	-7.89	57357	58878	56465	4
197.414	-7.82	57361	58880	56468	5
197.488	-7.82	57366	58884	56473	1
197.500	-7.93	57366	58884	56474	4
197.563	-7.81	57370	58887	56478	1
197.582	-7.79	57372	58888	56479	11
197.750	-7.72	57383	58895	56490	11
197.914	-7.77	57393	58903	56501	0
197.918	-7.91	57394	58903	56501	5
198.000	-8.02	57399	58907	56507	1
198.015	-8.17	57400	58908	56507	3
198.063	-7.98	57403	58910	56511	2
198.086	-8.17	57405	58912	56512	8
198.210	-8.06	57413	58918	56520	3
198.250	-8.23	57415	58920	56522	0
198.253	-8.26	57415	58920	56523	2
198.276	-8.46	57417	58921	56524	6
198.366	-8.35	57423	58926	56530	3
198.419	-8.40	57426	58929	56533	5
198.500	-8.38	57432	58934	56538	2
198.524	-8.69	57433	58935	56539	1
198.542	-8.47	57434	58936	56540	3
198.585	-8.76	57437	58939	56543	11
198.750	-8.77	57448	58949	56552	11
198.914	-8.93	57458	58959	56560	2
198.948	-8.88	57460	58962	56562	3
198.997	-8.51	57464	58965	56564	0
199.000	-8.24	57464	58965	56564	5
199.080	-8.02	57469	58971	56568	3
199.121	-8.38	57472	58973	56570	8
199.249	-8.54	57480	58983	56575	0
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199.271	-8.29	57481	58984	56576	1
199.279	-8.06	57482	58985	56577	8
199.402	-8.23	57489	58994	56582	2
199.426	-8.16	57491	58996	56583	5
199.500	-8.32	57495	59002	56585	1
199.519	-8.27	57497	59003	56586	4
199.588	-8.08	57501	59008	56589	1
199.611	-8.05	57502	59010	56589	1
199.625	-7.98	57503	59011	56590	6
199.724	-8.15	57509	59019	56593	2
199.750	-8.07	57511	59021	56594	4
199.809	-8.04	57515	59026	56596	1
199.820	-7.96	57515	59027	56597	6
199.914	-7.83	57521	59035	56600	0
199.917	-7.78	57521	59035	56600	5
200.000	-7.69	57527	59042	56603	1
200.018	-7.86	57528	59044	56604	0
200.021	-7.84	57528	59044	56604	7
200.128	-7.92	57535	59053	56607	8
200.250	-7.81	57542	59064	56612	8
200.387	-7.85	57551	59076	56616	7
200.498	-7.84	57557	59086	56620	0
200.500	-7.92	57557	59086	56620	2
200.540	-7.96	57560	59089	56622	3
200.589	-7.81	57563	59094	56624	7
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201.088	-8.19	57594	59139	56645	10
201.250	-8.02	57603	59154	56653	1
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201.298	-8.00	57606	59158	56655	3
201.354	-8.08	57610	59163	56658	9

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201.612	-8.03	57626	59187	56672	4
201.672	-8.21	57629	59193	56676	5
201.750	-8.01	57634	59200	56680	0
201.758	-8.24	57635	59201	56681	12
201.955	-8.12	57647	59219	56692	3
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202.006	-8.05	57650	59223	56695	0
202.007	-8.20	57650	59223	56695	15
202.250	-8.21	57665	59246	56710	1
202.265	-8.12	57666	59247	56711	2
202.298	-7.96	57668	59250	56713	4
202.356	-8.08	57671	59256	56717	9
202.500	-8.13	57680	59269	56725	2
202.536	-8.15	57682	59272	56728	7
202.642	-7.94	57689	59282	56734	5
202.719	-8.01	57694	59289	56739	2
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203.000	-8.00	57711	59314	56755	6
203.095	-8.08	57717	59323	56761	1
203.109	-8.17	57718	59324	56762	9
203.250	-8.18	57727	59336	56770	5
203.331	-8.03	57732	59344	56774	5
203.409	-8.00	57737	59351	56778	5
203.483	-8.04	57741	59357	56782	1
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203.676	-7.92	57754	59374	56793	3
203.719	-7.83	57756	59378	56795	2
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204.364	-8.25	57797	59434	56827	0
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204.500	-7.95	57806	59446	56833	13
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204.710	-7.90	57819	59464	56843	0
204.711	-8.09	57819	59464	56843	2
204.750	-8.03	57822	59467	56845	16
205.000	-8.27	57837	59489	56856	2
205.039	-8.18	57840	59492	56857	1
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205.139	-8.02	57846	59500	56862	7
205.250	-8.03	57853	59510	56866	9
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205.500	-8.12	57869	59531	56877	5
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205.750	-7.95	57885	59552	56887	16
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208.437	-8.05	58052	59760	57008	4
208.500	-7.95	58056	59764	57011	14
208.723	-7.96	58070	59778	57021	2
208.750	-8.03	58071	59780	57022	1
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209.000	-7.97	58087	59796	57034	6
209.094	-7.97	58093	59801	57038	1
209.108	-7.96	58093	59802	57039	8
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209.494	-7.93	58117	59823	57055	0
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209.714	-7.94	58131	59835	57065	2
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210.063	-8.00	58152	59853	57080	7
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210.250	-7.88	58163	59862	57087	1
210.266	-8.08	58164	59863	57088	7
210.381	-8.15	58171	59869	57093	7
210.500	-8.16	58178	59875	57098	9

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210.750	-8.13	58194	59887	57109	15
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211.419	-8.21	58234	59922	57138	5
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212.484	-7.93	58299	59978	57187	1
212.500	-7.88	58300	59979	57187	1
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212.750	-8.02	58315	59991	57199	4
212.811	-7.96	58319	59994	57202	7
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213.936	-7.75	58387	60041	57252	4
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214.250	-7.72	58406	60054	57266	7
214.364	-7.85	58412	60058	57272	7
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214.750	-7.71	58436	60075	57289	14
214.990	-7.60	58450	60085	57300	1
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216.750	-7.68	58556	60169	57383	6
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217.250	-8.00	58586	60186	57405	0
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217.722	-7.92	58615	60198	57425	2
217.750	-7.84	58617	60199	57426	4
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217.987	-8.02	58631	60204	57437	1
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218.201	-7.93	58644	60208	57448	3
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218.312	-7.90	58651	60210	57453	4
218.375	-7.77	58655	60211	57457	3
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218.750	-7.72	58677	60215	57478	4
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219.215	-7.73	58706	60220	57510	2
219.250	-7.73	58708	60220	57513	4
219.312	-7.68	58712	60221	57517	0
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219.369	-7.92	58715	60222	57522	2
219.401	-7.89	58717	60222	57524	3
219.448	-7.98	58720	60223	57528	2
219.481	-7.92	58722	60223	57531	0
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219.501	-8.02	58723	60223	57532	0
219.507	-8.05	58724	60223	57533	0
219.508	-8.36	58724	60223	57533	3
219.553	-8.25	58727	60224	57537	0
219.560	-8.13	58727	60224	57537	0
219.566	-8.28	58727	60224	57538	2
219.591	-8.40	58729	60224	57540	1
219.608	-8.25	58730	60224	57541	0
219.615	-7.86	58730	60224	57542	1
219.628	-7.90	58731	60225	57543	2
219.667	-8.23	58734	60225	57546	0
219.669	-8.29	58734	60225	57546	1
219.690	-8.43	58735	60225	57548	0
219.696	-7.86	58735	60225	57549	1

219.714	-7.69	58737	60226	57550	2
219.746	-7.76	58739	60226	57553	0
219.749	-7.94	58739	60226	57553	0
219.750	-7.99	58739	60226	57553	2
219.776	-8.00	58740	60226	57555	0
219.777	-7.83	58740	60226	57556	0
219.778	-7.73	58741	60226	57556	2
219.804	-7.62	58742	60227	57558	2
219.835	-7.74	58744	60227	57561	2
219.870	-8.02	58746	60227	57564	1
219.881	-8.35	58747	60228	57565	1
219.900	-8.67	58748	60228	57566	1
219.914	-8.71	58749	60228	57568	2
219.947	-8.78	58751	60228	57571	0
219.954	-8.62	58751	60228	57571	2
219.994	-8.78	58754	60229	57575	0
219.997	-8.80	58754	60229	57575	3
220.039	-8.94	58757	60229	57579	0
220.043	-8.97	58757	60229	57579	0
220.050	-9.07	58757	60230	57580	3
220.092	-9.17	58760	60230	57584	4
220.159	-9.28	58764	60231	57590	1
220.174	-9.15	58765	60231	57591	2
220.200	-9.10	58767	60231	57594	3
220.243	-9.13	58769	60232	57598	7
220.350	-9.28	58776	60233	57608	8
220.482	-9.35	58784	60235	57621	1
220.500	-9.27	58785	60235	57622	5
220.574	-9.16	58790	60236	57630	4
220.638	-9.12	58794	60237	57636	1
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220.800	-9.13	58804	60239	57652	1
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221.250	-8.86	58832	60244	57697	7
221.367	-8.90	58839	60245	57709	2
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221.550	-8.61	58850	60247	57727	7
221.665	-8.66	58857	60248	57739	2
221.700	-8.53	58859	60249	57743	3
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221.973	-8.44	58876	60252	57771	2
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222.057	-8.30	58881	60253	57779	5
222.134	-8.46	58886	60254	57787	1
222.150	-8.44	58887	60254	57789	9
222.300	-8.16	58896	60256	57804	3
222.344	-7.80	58899	60256	57808	2
222.369	-8.03	58900	60256	57811	5
222.450	-8.00	58905	60257	57819	9
222.600	-7.94	58914	60259	57834	9
222.750	-7.60	58923	60261	57849	4
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222.900	-7.91	58932	60263	57864	7
223.008	-7.88	58939	60264	57875	2
223.043	-7.90	58941	60265	57879	0
223.050	-8.15	58941	60265	57879	8
223.185	-8.28	58950	60266	57893	1
223.200	-8.52	58951	60267	57894	1
223.219	-8.23	58952	60267	57896	2
223.255	-8.37	58954	60267	57900	6
223.350	-8.43	58960	60269	57909	1
223.364	-8.86	58960	60269	57911	6
223.461	-8.93	58966	60270	57921	2

223.500	-9.00	58969	60271	57925	4
223.559	-9.24	58972	60271	57931	5
223.650	-9.57	58977	60273	57940	1
223.663	-9.23	58978	60273	57942	7
223.786	-9.28	58986	60274	57955	1
223.800	-9.31	58986	60275	57956	1
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223.860	-8.77	58990	60275	57963	5
223.950	-8.77	58995	60276	57973	6
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224.058	-9.50	59002	60278	57986	3
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224.243	-9.63	59013	60280	58008	0
224.250	-9.52	59013	60280	58009	7
224.367	-9.30	59020	60281	58024	1
224.392	-9.65	59022	60282	58028	0
224.400	-9.68	59022	60282	58029	2
224.430	-9.87	59024	60282	58033	7
224.550	-9.81	59031	60283	58049	4
224.614	-9.52	59035	60284	58058	5
224.700	-9.61	59040	60285	58071	6
224.796	-9.11	59046	60286	58086	0
224.801	-9.55	59046	60286	58087	3
224.850	-9.56	59049	60286	58094	1
224.867	-9.95	59050	60286	58097	7
224.977	-9.51	59057	60287	58115	1
225.000	-9.50	59058	60287	58119	9
225.150	-9.62	59067	60288	58145	0
225.157	-9.91	59068	60288	58147	4
225.228	-10.01	59072	60289	58159	4
225.300	-10.08	59076	60289	58173	4
225.372	-10.16	59080	60290	58186	4
225.444	-10.13	59085	60290	58200	0
225.450	-10.13	59085	60290	58201	4
225.517	-10.06	59089	60290	58214	4
225.590	-10.04	59094	60290	58228	1
225.600	-10.01	59094	60290	58230	3

225.656	-9.94	59097	60291	58241	5
225.743	-10.03	59103	60291	58258	0
225.750	-10.00	59103	60291	58259	4
225.823	-10.13	59107	60291	58273	4
225.890	-10.05	59111	60291	58286	1
225.900	-10.04	59112	60291	58288	0
225.905	-10.05	59112	60291	58289	2
225.944	-9.98	59115	60291	58297	3
225.991	-10.08	59118	60291	58306	4
226.050	-10.01	59121	60291	58317	2
226.080	-10.15	59123	60292	58323	6
226.173	-10.19	59128	60292	58341	0
226.181	-10.18	59129	60292	58342	1
226.200	-10.08	59130	60292	58346	4
226.270	-10.10	59134	60292	58359	5
226.350	-10.10	59139	60292	58373	1
226.371	-10.25	59140	60292	58377	1
226.380	-10.00	59141	60292	58378	6
226.478	-10.21	59146	60292	58396	1
226.500	-10.06	59148	60292	58399	1
226.514	-10.15	59149	60292	58402	2
226.556	-9.94	59151	60292	58409	2
226.590	-10.17	59153	60292	58414	4
226.650	-10.11	59157	60292	58424	3
226.708	-10.40	59160	60292	58433	1
226.725	-10.11	59161	60292	58436	4
226.800	-10.15	59165	60292	58447	2
226.832	-10.15	59167	60292	58452	4
226.902	-10.14	59171	60292	58461	3
226.950	-10.15	59174	60292	58468	1
226.962	-10.16	59175	60292	58469	8
227.100	-10.32	59183	60292	58486	9
227.250	-10.35	59192	60292	58503	5
227.332	-9.98	59196	60292	58511	4
227.400	-9.91	59200	60292	58518	9
227.550	-9.88	59209	60292	58531	0
227.552	-10.17	59209	60292	58531	2

227.592	-10.16	59211	60292	58534	0
227.595	-10.00	59211	60292	58534	6
227.700	-9.76	59217	60292	58543	1
227.713	-9.96	59218	60292	58543	8
227.850	-10.01	59226	60292	58553	2
227.877	-10.31	59227	60292	58555	0
227.885	-9.76	59228	60292	58556	6
227.991	-9.86	59234	60292	58563	1
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228.044	-9.83	59237	60292	58566	6
228.150	-9.36	59243	60292	58573	3
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228.300	-8.22	59251	60292	58582	1
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228.381	-8.79	59256	60292	58587	4
228.450	-8.75	59259	60292	58591	4
228.522	-8.21	59263	60292	58596	2
228.550	-8.23	59265	60292	58597	2
228.581	-8.47	59267	60292	58599	1
228.600	-8.48	59268	60292	58601	7
228.717	-8.38	59274	60292	58608	2
228.750	-8.17	59276	60292	58611	3
228.806	-8.13	59279	60292	58615	3
228.859	-8.04	59282	60292	58618	1
228.882	-8.06	59283	60292	58620	1
228.900	-7.99	59284	60292	58621	6
229.007	-7.94	59290	60292	58630	2
229.043	-7.90	59292	60292	58633	0
229.050	-7.88	59293	60292	58633	8
229.200	-7.87	59301	60292	58646	8
229.350	-7.79	59309	60292	58660	0
229.352	-7.83	59309	60292	58660	3
229.400	-7.80	59312	60292	58665	5
229.499	-7.91	59318	60292	58674	0
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229.650	-7.82	59326	60292	58690	7
229.777	-8.02	59333	60292	58703	1
229.800	-7.79	59334	60292	58706	2
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229.881	-7.62	59339	60292	58714	2
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230.158	-8.01	59354	60292	58745	3
230.218	-7.97	59357	60292	58752	2
230.250	-8.02	59359	60292	58756	1
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230.328	-8.08	59364	60292	58765	3
230.389	-8.22	59367	60292	58772	1
230.400	-8.10	59368	60292	58773	5
230.498	-8.22	59373	60292	58784	3
230.550	-8.10	59376	60292	58790	3
230.598	-8.03	59379	60292	58796	0
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230.700	-7.99	59384	60292	58807	0
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230.798	-8.13	59390	60292	58818	3
230.850	-8.04	59393	60292	58824	2
230.877	-7.99	59394	60292	58827	1
230.886	-7.77	59395	60292	58828	0
230.890	-7.90	59395	60292	58829	5
230.978	-7.88	59400	60292	58838	1
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231.062	-7.82	59405	60292	58848	5
231.143	-7.83	59410	60292	58856	0
231.150	-7.88	59410	60292	58857	3
231.194	-7.80	59412	60292	58862	0
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231.220	-7.82	59414	60292	58865	4
231.293	-7.96	59418	60292	58872	0
231.300	-7.93	59419	60292	58873	4
231.362	-7.94	59422	60292	58880	4
231.429	-7.94	59426	60292	58886	1
231.450	-8.00	59427	60292	58889	2
231.492	-8.01	59430	60292	58893	1
231.509	-7.84	59431	60292	58895	1
231.523	-7.87	59431	60292	58896	2
231.551	-7.91	59433	60292	58899	3
231.600	-8.07	59436	60292	58904	0
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231.662	-8.24	59439	60292	58910	3
231.712	-8.37	59442	60292	58915	2
231.750	-8.31	59444	60292	58919	1
231.760	-8.30	59445	60292	58920	3
231.806	-8.33	59448	60292	58924	0
231.812	-8.22	59448	60292	58925	2
231.848	-8.22	59450	60292	58928	2
231.874	-7.93	59452	60292	58931	1
231.888	-8.26	59452	60292	58932	1
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231.961	-8.45	59457	60292	58939	2
231.994	-8.80	59459	60292	58942	2
232.025	-8.77	59460	60292	58945	1
232.050	-8.41	59462	60292	58948	0
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232.081	-8.33	59464	60292	58951	1
232.103	-8.36	59465	60292	58953	0
232.105	-8.41	59465	60292	58953	1
232.129	-8.42	59466	60292	58955	1
232.150	-8.76	59468	60292	58957	1
232.170	-8.69	59469	60292	58959	1
232.188	-8.66	59470	60292	58960	1
232.200	-8.30	59471	60292	58962	0
232.205	-8.29	59471	60292	58962	1

232.221	-8.20	59472	60292	58963	1
232.235	-8.47	59473	60292	58965	1
232.249	-8.44	59473	60292	58966	0
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232.261	-8.22	59474	60292	58967	1
232.273	-8.27	59475	60292	58968	1
232.283	-8.50	59475	60292	58969	1
232.293	-8.45	59476	60292	58970	1
232.302	-8.37	59477	60292	58971	1
232.311	-8.36	59477	60292	58972	0
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232.327	-8.40	59478	60292	58973	0
232.334	-8.41	59478	60292	58974	0
232.341	-8.45	59479	60292	58974	0
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232.415	-8.32	59483	60292	58981	1
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232.438	-8.21	59485	60292	58983	1
232.450	-8.17	59485	60292	58984	1
232.464	-8.18	59486	60292	58985	1
232.479	-8.27	59487	60292	58987	1
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232.531	-7.93	59490	60292	58991	1
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232.597	-7.90	59494	60292	58997	2
232.623	-7.81	59495	60292	58999	2

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232.711	-7.72	59501	60292	59007	2
232.744	-8.01	59502	60292	59010	2
232.779	-8.32	59505	60292	59013	1
232.800	-8.12	59506	60292	59014	1
232.816	-8.28	59507	60292	59016	2
232.854	-8.35	59509	60292	59019	2
232.895	-8.93	59511	60292	59022	0
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233.071	-9.83	59522	60292	59037	0
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233.119	-8.92	59525	60292	59041	2
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233.269	-9.46	59533	60293	59053	3
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233.431	-9.52	59543	60294	59065	3
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233.501	-9.78	59547	60295	59071	2
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234.089	-9.85	59582	60301	59115	4
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234.151	-9.82	59585	60302	59120	4
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234.471	-10.28	59604	60307	59144	4
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234.600	-10.39	59612	60309	59153	4
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234.750	-10.31	59621	60311	59164	3
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234.859	-10.06	59627	60312	59172	1
234.873	-9.85	59628	60313	59173	2
234.900	-9.75	59630	60313	59175	1
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234.993	-10.19	59635	60314	59182	1
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235.275	-8.97	59652	60319	59204	1
235.287	-8.36	59653	60319	59204	4
235.350	-8.30	59656	60320	59209	4
235.422	-7.72	59661	60321	59215	0
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235.500	-8.25	59665	60322	59221	0
235.504	-8.35	59665	60322	59221	0
235.505	-8.17	59665	60322	59221	0
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235.587	-8.74	59670	60323	59227	1
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235.707	-9.40	59677	60325	59236	2
235.733	-9.31	59679	60325	59238	1
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235.800	-9.29	59683	60326	59243	1
235.825	-9.71	59684	60327	59245	1
235.839	-9.75	59685	60327	59246	2
235.881	-9.58	59688	60327	59250	3
235.925	-9.55	59690	60328	59253	1
235.950	-9.64	59692	60328	59255	0
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236.100	-10.07	59701	60331	59266	5
236.188	-10.07	59706	60332	59273	4
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236.277	-9.94	59711	60333	59280	5
236.366	-10.15	59717	60334	59286	3

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236.455	-9.95	59722	60336	59293	3
236.500	-10.12	59724	60336	59296	3
236.545	-10.14	59727	60337	59300	4
236.606	-10.10	59731	60338	59304	2
236.635	-10.04	59732	60338	59306	5
236.725	-10.08	59738	60340	59313	1
236.750	-10.07	59739	60340	59315	3
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236.839	-10.00	59745	60342	59321	4
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237.092	-10.09	59760	60346	59340	6
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237.223	-10.09	59767	60348	59349	2
237.250	-10.06	59769	60348	59351	2
237.278	-10.09	59771	60348	59353	5
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237.654	-10.19	59793	60355	59379	2
237.694	-10.13	59795	60355	59382	3
237.749	-10.18	59798	60356	59386	0
237.750	-10.18	59799	60356	59386	6
237.844	-10.32	59804	60358	59392	6
237.940	-10.31	59810	60360	59399	0
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238.250	-10.15	59828	60365	59420	5
238.327	-10.11	59833	60366	59425	6
238.425	-10.15	59838	60368	59432	4
238.487	-10.16	59842	60369	59436	1
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238.523	-10.23	59844	60370	59438	6
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238.655	-10.07	59852	60374	59447	4
238.720	-10.16	59856	60377	59451	2
238.750	-10.13	59858	60378	59454	1
238.774	-10.24	59859	60379	59455	3
238.819	-10.27	59862	60380	59458	6
238.919	-10.37	59868	60384	59465	5
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240.250	-10.01	59946	60436	59557	2
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240.372	-9.90	59953	60441	59566	2
240.403	-9.94	59955	60442	59568	6
240.500	-9.98	59961	60446	59575	10
240.666	-10.20	59971	60452	59586	3
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240.932	-9.99	59986	60463	59604	4
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241.085	-9.98	59995	60469	59615	6
241.196	-9.90	60002	60473	59622	0
241.199	-9.92	60002	60473	59623	3
241.250	-9.82	60005	60475	59626	12
241.457	-9.90	60017	60483	59640	1
241.469	-9.89	60017	60484	59641	2
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241.740	-9.94	60033	60494	59659	1
241.750	-9.92	60034	60495	59660	5
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242.000	-9.93	60048	60504	59677	1
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242.846	-9.98	60097	60538	59735	9
243.000	-9.84	60106	60545	59745	3
243.043	-9.95	60109	60546	59748	5
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243.250	-9.85	60121	60555	59762	9
243.411	-10.01	60130	60562	59774	3
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243.500	-10.08	60135	60566	59780	11
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244.750	-10.09	60209	60624	59866	2
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246.250	-10.13	60296	60703	59963	5
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251.925	-10.28	60627	60993	60281	3
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257.500	-10.33	60973	62089	60508	7
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257.750	-10.31	60988	62099	60514	9
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258.627	-10.43	61041	62133	60537	7
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262.250	-10.37	61259	62245	60672	8
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266.250	-10.50	61497	62345	60909	14
266.475	-10.29	61511	62351	60935	1
266.494	-10.74	61512	62352	60938	0
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266.750	-10.82	61527	62359	60969	5
266.838	-10.76	61533	62362	60981	10
267.000	-10.85	61543	62366	61003	10
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267.181	-10.74	61554	62371	61028	4
267.250	-10.63	61558	62373	61038	11
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267.868	-10.69	61595	62389	61130	8
268.000	-10.63	61603	62393	61150	13
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268.554	-10.61	61637	62406	61229	0
268.562	-10.73	61637	62406	61230	3
268.607	-10.54	61640	62407	61236	9
268.750	-10.46	61649	62410	61255	9
268.898	-10.69	61658	62413	61274	6
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269.250	-10.86	61679	62421	61314	15
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269.928	-10.74	61721	62434	61377	3
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270.000	-10.73	61726	62436	61383	15
270.250	-10.43	61741	62440	61402	1
270.272	-10.58	61742	62440	61403	14
270.500	-10.58	61756	62444	61420	7
270.616	-10.86	61764	62446	61428	4
270.683	-10.69	61768	62448	61432	4
270.750	-10.70	61772	62449	61437	7
270.869	-10.29	61779	62451	61445	6
270.959	-10.43	61785	62452	61451	3
271.000	-10.38	61787	62453	61453	15
271.250	-10.58	61803	62457	61469	3
271.303	-10.58	61806	62458	61473	6
271.397	-10.61	61812	62459	61479	6
271.500	-10.65	61818	62461	61485	9
271.647	-10.63	61827	62463	61495	6
271.750	-10.67	61833	62464	61501	13
271.961	-10.41	61846	62468	61514	2
271.990	-10.46	61848	62468	61516	1

272.000	-10.55	61848	62468	61516	7
272.114	-10.77	61855	62470	61523	8
272.250	-10.66	61863	62472	61531	5
272.334	-10.66	61868	62473	61536	10
272.500	-10.67	61878	62476	61546	11
272.678	-10.76	61889	62478	61556	4
272.750	-10.67	61893	62479	61560	5
272.835	-10.73	61898	62481	61565	10
273.000	-10.47	61908	62483	61574	1
273.022	-10.66	61909	62483	61575	0
273.027	-10.36	61910	62484	61576	13
273.250	-10.35	61923	62487	61588	7
273.366	-10.38	61930	62489	61594	8
273.500	-10.49	61938	62491	61601	3
273.559	-10.62	61941	62492	61604	9
273.710	-10.58	61950	62494	61612	2
273.750	-10.73	61952	62495	61614	15
274.000	-10.71	61967	62499	61627	3
274.054	-10.71	61970	62500	61630	1
274.067	-10.50	61971	62500	61631	11
274.250	-10.48	61982	62503	61640	2
274.285	-10.32	61984	62504	61642	7
274.398	-10.67	61990	62506	61647	6
274.500	-10.69	61996	62507	61653	14
274.742	-10.75	62010	62512	61665	0
274.750	-10.60	62011	62512	61665	14
275.000	-10.58	62025	62516	61678	1
275.015	-10.49	62026	62516	61679	4
275.082	-10.18	62030	62517	61682	0
275.086	-10.31	62030	62517	61682	9
275.250	-10.34	62039	62520	61690	10
275.430	-10.77	62050	62524	61700	4
275.500	-10.58	62054	62525	61703	14
275.748	-10.68	62068	62529	61716	0
275.750	-10.45	62068	62529	61716	1
275.774	-10.63	62070	62530	61717	13
276.000	-10.40	62082	62534	61729	4

276.074	-10.20	62087	62535	61733	2
276.118	-10.17	62089	62536	61735	7
276.250	-10.15	62097	62539	61742	12
276.462	-10.60	62109	62543	61753	1
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276.750	-10.25	62125	62549	61769	3
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277.000	-10.54	62139	62555	61783	2
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277.151	-10.40	62147	62558	61791	4
277.221	-10.38	62151	62560	61795	2
277.250	-10.67	62153	62560	61797	13
277.495	-10.70	62166	62566	61811	0
277.500	-10.64	62166	62567	61811	14
277.750	-10.55	62180	62573	61826	5
277.839	-10.57	62185	62575	61831	7
277.962	-10.63	62191	62579	61838	1
277.985	-10.48	62193	62579	61840	1
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278.184	-10.40	62203	62585	61851	4
278.250	-10.44	62207	62587	61855	13
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278.705	-10.63	62231	62600	61881	2
278.750	-10.63	62234	62602	61884	6
278.872	-10.53	62240	62605	61891	2
278.906	-10.32	62242	62607	61893	5
279.000	-10.27	62247	62610	61898	11
279.217	-10.27	62258	62617	61910	2
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279.500	-10.26	62273	62627	61925	3
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279.750	-10.49	62285	62636	61938	3
279.804	-10.37	62288	62639	61941	5
279.906	-10.39	62293	62643	61947	5

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280.250	-10.44	62311	62657	61965	13
280.500	-10.48	62323	62667	61978	5
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280.681	-10.35	62332	62676	61988	3
280.750	-10.31	62336	62679	61992	9
280.939	-10.32	62345	62688	62002	0
280.949	-10.53	62346	62688	62003	3
281.000	-10.48	62348	62691	62005	12
281.250	-10.17	62361	62703	62019	2
281.284	-10.47	62362	62705	62021	11
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281.537	-10.39	62375	62718	62036	4
281.628	-10.37	62379	62723	62041	4
281.701	-10.25	62383	62727	62045	2
281.750	-10.40	62385	62730	62048	11
281.973	-10.40	62396	62742	62061	1
282.000	-10.43	62397	62743	62062	12
282.250	-10.41	62410	62757	62077	3
282.317	-10.42	62413	62761	62080	3
282.371	-10.25	62415	62763	62084	4
282.455	-10.28	62419	62768	62088	2
282.500	-9.95	62422	62770	62091	8
282.662	-10.36	62429	62779	62100	4
282.750	-10.36	62434	62784	62105	12
283.000	-10.43	62446	62797	62119	0
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283.185	-10.24	62454	62807	62130	1
283.211	-10.21	62456	62808	62131	2
283.250	-10.06	62457	62810	62133	5
283.351	-10.53	62462	62815	62139	7
283.500	-10.58	62469	62822	62147	9
283.696	-10.73	62478	62832	62158	3
283.750	-10.41	62481	62834	62160	10
283.969	-10.36	62491	62845	62172	1
283.980	-9.95	62491	62845	62173	1

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284.386	-10.87	62510	62863	62194	5
284.500	-10.91	62515	62868	62200	10
284.728	-10.75	62525	62877	62212	0
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284.750	-10.76	62526	62878	62213	0
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285.420	-10.74	62556	62903	62247	3
285.489	-10.62	62559	62906	62251	0
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285.511	-10.34	62560	62906	62252	10
285.750	-10.40	62570	62915	62264	1
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286.248	-10.35	62591	62931	62289	0
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286.252	-10.16	62591	62931	62289	9
286.454	-10.60	62600	62937	62299	2
286.500	-10.56	62602	62938	62301	10
286.750	-10.66	62612	62946	62313	2
286.799	-10.69	62614	62947	62316	7
286.968	-10.34	62621	62952	62324	1
287.000	-10.29	62623	62953	62326	1
287.016	-10.06	62623	62954	62327	5
287.144	-10.52	62629	62957	62333	4
287.250	-10.53	62633	62959	62338	10
287.489	-10.78	62643	62962	62349	0
287.500	-10.59	62643	62962	62350	7
287.670	-10.38	62650	62965	62358	3
287.750	-10.21	62653	62966	62362	1
287.781	-10.19	62654	62967	62363	2

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288.179	-10.96	62670	62973	62381	3
288.250	-10.74	62673	62974	62384	4
288.356	-10.50	62677	62976	62388	5
288.500	-10.24	62682	62978	62394	1
288.524	-10.57	62683	62979	62395	1
288.548	-10.90	62684	62979	62396	7
288.750	-10.93	62691	62983	62404	4
288.869	-10.88	62695	62985	62408	5
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289.250	-10.53	62708	62992	62421	2
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289.500	-10.59	62716	62997	62428	2
289.559	-10.83	62718	62999	62430	4
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290.500	-10.43	62747	63021	62453	3
290.594	-10.57	62750	63024	62455	5
290.750	-10.83	62754	63028	62459	3
290.854	-10.72	62757	63031	62461	1
290.939	-10.56	62758	63033	62463	1
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291.250	-10.67	62763	63042	62470	1
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291.500	-10.93	62767	63049	62477	1
291.547	-10.58	62767	63051	62478	1
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292.250	-10.36	62776	63071	62495	1
292.320	-10.57	62776	63073	62496	1
292.395	-10.78	62777	63075	62498	1
292.500	-10.79	62777	63078	62501	1
292.665	-10.83	62778	63083	62504	0
292.723	-10.58	62779	63084	62506	0
292.750	-10.62	62779	63085	62506	0
293.000	-10.47	62779	63091	62511	0
293.010	-10.98	62779	63091	62511	0
293.167	-10.76	62779	63095	62514	0
293.250	-10.75	62779	63097	62516	0
293.291	-10.25	62779	63098	62517	0
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293.500	-10.54	62779	63102	62520	0
293.700	-11.05	62779	63106	62524	0
293.750	-10.83	62779	63107	62524	0
293.847	-10.62	62779	63109	62526	0
293.939	-10.17	62779	63110	62527	0
294.000	-10.14	62779	63111	62528	0
294.046	-10.54	62779	63112	62529	0
294.250	-10.75	62779	63115	62532	0
294.391	-10.74	62779	63117	62534	0
294.500	-10.50	62779	63118	62535	0
294.712	-10.39	62779	63121	62538	0
294.736	-10.54	62779	63121	62538	0
294.750	-10.53	62779	63121	62539	0
294.923	-10.36	62779	63123	62541	0
295.000	-10.16	62779	63124	62542	0
295.081	-10.33	62779	63125	62543	0
295.250	-10.57	62779	63126	62545	0
295.426	-10.68	62779	63127	62547	0
295.445	-10.36	62779	63127	62548	0
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295.500	-10.27	62779	63127	62548	0
295.750	-10.40	62779	63127	62552	0
295.772	-10.48	62779	63127	62552	0
295.956	-10.36	62779	63127	62555	0
296.000	-10.37	62779	63127	62555	0
296.117	-10.38	62779	63127	62557	0
296.250	-10.49	62779	63127	62558	0
296.258	-10.53	62779	63127	62559	0
296.457	-10.23	62779	63127	62561	0
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296.500	-10.31	62779	63127	62562	1
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296.948	-10.28	62780	63127	62568	0
297.000	-10.30	62780	63127	62569	0
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297.153	-10.35	62781	63127	62571	1
297.250	-10.42	62782	63127	62572	1
297.431	-10.27	62783	63127	62574	0
297.498	-10.29	62783	63127	62575	0
297.500	-10.39	62783	63127	62575	2
297.750	-10.67	62785	63127	62579	0
297.805	-10.53	62785	63127	62579	0
297.843	-10.66	62786	63127	62580	0
297.905	-10.38	62786	63127	62581	1
298.000	-10.49	62787	63127	62582	2
298.189	-10.44	62788	63127	62585	1
298.250	-10.74	62789	63127	62585	1
298.372	-10.51	62790	63127	62587	1
298.500	-10.41	62791	63127	62589	0
298.534	-10.45	62791	63127	62589	0
298.578	-10.55	62792	63127	62590	2
298.750	-10.55	62793	63127	62592	1
298.830	-10.22	62794	63127	62593	0
298.879	-10.46	62794	63127	62594	1
299.000	-10.42	62796	63127	62595	2
299.224	-10.85	62798	63127	62598	0

299.250	-10.65	62798	63127	62598	0
299.282	-10.55	62798	63127	62599	1
299.351	-10.21	62799	63127	62600	1
299.500	-10.23	62800	63127	62601	1
299.570	-10.57	62801	63127	62602	2
299.728	-10.67	62803	63128	62604	0
299.750	-10.75	62804	63128	62604	3
299.915	-10.69	62806	63130	62606	2
300.000	-10.67	62808	63131	62607	2
300.124	-10.42	62810	63133	62609	1
300.167	-10.16	62811	63134	62609	1
300.250	-10.15	62812	63136	62610	0
300.260	-10.49	62813	63136	62610	4
300.500	-10.63	62817	63141	62612	2
300.601	-10.60	62819	63143	62613	0
300.606	-10.67	62819	63143	62613	3
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300.951	-10.81	62825	63151	62616	1
301.000	-10.77	62826	63151	62616	1
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301.250	-10.60	62831	63155	62618	1
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301.642	-10.52	62838	63159	62621	0
301.668	-10.32	62838	63159	62621	2
301.750	-10.20	62840	63160	62621	2
301.875	-9.82	62842	63161	62622	2
301.987	-10.24	62844	63161	62623	0
302.000	-10.20	62845	63161	62623	5
302.250	-10.31	62849	63162	62624	1
302.293	-9.98	62850	63162	62625	1
302.332	-10.19	62851	63163	62625	2
302.440	-9.91	62853	63163	62626	1
302.500	-10.04	62854	63163	62626	3
302.678	-9.96	62857	63164	62627	1

302.707	-10.10	62858	63164	62628	1
302.750	-10.13	62859	63164	62628	5
303.000	-10.07	62863	63165	62631	0
303.023	-10.29	62864	63166	62631	2
303.118	-10.15	62866	63166	62632	2
303.211	-9.91	62867	63167	62633	1
303.250	-9.78	62868	63167	62633	2
303.369	-9.95	62870	63168	62635	2
303.500	-10.08	62873	63169	62637	1
303.528	-10.00	62873	63169	62637	4
303.714	-9.92	62877	63171	62640	1
303.750	-9.86	62878	63172	62640	4
303.936	-9.89	62881	63173	62643	1
303.981	-9.68	62882	63174	62644	0
304.000	-9.81	62882	63174	62644	1
304.059	-9.84	62884	63175	62645	4
304.250	-9.94	62887	63177	62648	2
304.343	-9.83	62889	63178	62650	1
304.405	-9.81	62890	63178	62651	2
304.500	-9.77	62892	63179	62653	5
304.750	-9.69	62897	63182	62657	5
305.000	-9.65	62901	63185	62662	2
305.095	-9.73	62903	63185	62664	1
305.157	-9.84	62904	63186	62665	2
305.250	-9.89	62906	63187	62667	4
305.441	-9.97	62910	63189	62671	1
305.500	-10.03	62911	63189	62672	0
305.518	-9.82	62911	63189	62673	1
305.564	-9.78	62912	63190	62674	4
305.750	-9.81	62916	63191	62678	1
305.786	-10.14	62916	63192	62678	4
305.972	-10.27	62920	63193	62682	1
306.000	-10.29	62921	63193	62683	2
306.131	-10.31	62923	63194	62686	2
306.250	-10.29	62925	63195	62689	1
306.286	-10.07	62926	63196	62689	2
306.382	-10.16	62928	63197	62692	2

306.477	-10.17	62930	63197	62694	0
306.500	-10.42	62930	63198	62694	5
306.750	-10.23	62935	63200	62700	1
306.793	-10.23	62936	63200	62701	1
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307.000	-10.27	62939	63202	62706	1
307.052	-10.04	62940	63203	62707	2
307.168	-10.05	62943	63204	62710	1
307.207	-10.00	62943	63204	62711	1
307.250	-10.22	62944	63204	62712	5
307.500	-10.26	62949	63207	62718	0
307.513	-10.38	62949	63207	62719	2
307.625	-10.35	62951	63208	62722	2
307.750	-10.32	62953	63210	62725	1
307.818	-10.04	62955	63210	62726	1
307.858	-10.12	62955	63211	62728	3
308.000	-10.11	62958	63212	62731	1
308.045	-10.31	62959	63213	62732	3
308.204	-10.32	62962	63214	62736	1
308.250	-10.36	62963	63215	62737	4
308.470	-10.26	62967	63217	62743	1
308.500	-10.15	62967	63218	62744	1
308.549	-10.24	62968	63218	62745	1
308.582	-10.20	62969	63219	62746	3
308.750	-10.19	62972	63220	62750	3
308.894	-10.15	62975	63222	62754	0
308.899	-10.21	62975	63222	62754	2
309.000	-10.21	62977	63223	62756	5
309.240	-10.23	62981	63226	62762	0
309.250	-10.33	62982	63226	62762	2
309.333	-10.38	62983	63227	62764	0
309.346	-10.05	62983	63227	62764	3
309.500	-10.13	62986	63229	62768	2
309.585	-10.23	62988	63230	62770	3
309.750	-10.48	62991	63231	62774	0
309.772	-10.47	62992	63232	62774	3
309.930	-10.42	62995	63233	62778	1

310.000	-10.35	62996	63234	62779	2
310.109	-10.15	62998	63235	62782	2
310.218	-10.10	63001	63237	62784	1
310.250	-10.12	63001	63237	62785	1
310.276	-10.34	63002	63237	62785	4
310.500	-10.34	63006	63240	62790	2
310.621	-10.40	63009	63241	62793	1
310.670	-10.39	63009	63242	62794	2
310.750	-10.30	63011	63242	62795	2
310.872	-10.08	63014	63244	62798	2
310.966	-10.22	63015	63245	62799	1
311.000	-10.21	63016	63245	62800	3
311.128	-10.21	63019	63247	62803	2
311.250	-10.11	63021	63248	62805	1
311.311	-10.20	63022	63249	62806	4
311.500	-10.30	63026	63251	62809	2
311.595	-10.22	63028	63252	62811	1
311.633	-9.98	63029	63252	62812	0
311.657	-10.06	63029	63253	62812	2
311.750	-10.18	63031	63254	62814	5
312.000	-10.44	63036	63256	62819	0
312.002	-10.32	63036	63256	62819	1
312.069	-10.23	63037	63257	62820	4
312.250	-10.23	63041	63259	62823	2
312.347	-10.21	63043	63260	62825	1
312.394	-10.05	63044	63261	62826	2
312.500	-10.07	63046	63262	62828	1
312.552	-9.97	63047	63263	62829	3
312.693	-10.24	63049	63264	62831	1
312.750	-10.18	63051	63265	62833	5
313.000	-10.32	63055	63268	62837	1
313.038	-10.25	63056	63268	62838	0
313.043	-10.04	63056	63268	62838	2
313.154	-9.79	63058	63270	62841	2
313.250	-9.78	63060	63271	62843	3
313.383	-9.88	63063	63272	62845	2
313.500	-10.06	63065	63274	62848	1

313.544	-9.96	63066	63274	62849	4
313.728	-10.11	63069	63276	62853	0
313.750	-10.17	63070	63277	62853	3
313.914	-10.08	63073	63279	62857	2
314.000	-9.96	63075	63280	62859	1
314.055	-9.90	63076	63280	62860	0
314.074	-10.25	63076	63280	62860	3
314.250	-10.22	63079	63283	62864	3
314.419	-10.41	63083	63285	62868	2
314.500	-10.27	63084	63286	62870	1
314.577	-10.20	63086	63287	62872	2
314.673	-9.96	63087	63288	62874	1
314.750	-9.96	63089	63289	62876	0
314.764	-10.07	63089	63289	62876	5
315.000	-10.18	63094	63292	62882	2
315.109	-10.11	63096	63293	62884	3
315.250	-10.07	63098	63295	62887	3
315.431	-10.08	63102	63297	62892	0
315.454	-10.10	63102	63298	62892	1
315.500	-10.18	63103	63299	62893	3
315.653	-10.11	63106	63303	62897	2
315.750	-10.23	63108	63305	62899	1
315.800	-10.23	63109	63306	62900	4
316.000	-10.33	63113	63311	62905	3
316.145	-10.41	63116	63315	62908	1
316.188	-10.34	63117	63316	62909	0
316.209	-10.14	63117	63317	62910	1
316.250	-10.00	63118	63318	62910	5
316.490	-10.23	63122	63324	62916	0
316.500	-10.36	63123	63324	62916	5
316.750	-10.35	63128	63331	62922	1
316.777	-9.96	63128	63331	62922	1
316.835	-10.18	63129	63333	62924	2
316.945	-10.15	63131	63336	62926	1
317.000	-10.34	63132	63337	62927	4
317.180	-10.36	63136	63342	62931	1
317.250	-10.40	63137	63344	62933	2

317.358	-10.20	63139	63347	62935	3
317.500	-10.01	63142	63350	62938	0
317.525	-10.21	63143	63351	62939	3
317.702	-10.32	63146	63356	62943	1
317.750	-10.31	63147	63357	62944	2
317.871	-10.32	63150	63360	62946	2
317.953	-10.30	63151	63362	62948	1
318.000	-10.38	63152	63364	62949	4
318.216	-10.25	63156	63369	62954	1
318.250	-10.48	63157	63370	62954	4
318.457	-10.25	63161	63375	62959	1
318.500	-10.28	63162	63376	62960	1
318.561	-10.18	63163	63378	62961	4
318.750	-10.27	63167	63383	62965	3
318.906	-10.25	63170	63386	62968	6
319.213	-10.08	63176	63394	62974	1
319.251	-10.28	63177	63395	62975	5
319.500	-10.13	63182	63401	62980	2
319.596	-10.40	63183	63403	62982	3
319.750	-10.22	63186	63406	62985	4
319.941	-10.45	63190	63410	62989	1
319.968	-10.03	63191	63411	62989	1
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320.250	-9.81	63196	63417	62995	1
320.286	-10.30	63197	63417	62995	4
320.500	-10.28	63201	63422	62999	3
320.631	-10.48	63204	63424	63002	2
320.722	-9.94	63206	63426	63004	1
320.750	-9.98	63206	63426	63004	4
320.976	-9.99	63210	63430	63008	0
321.000	-10.40	63211	63431	63009	5
321.250	-10.46	63216	63435	63013	1
321.321	-10.55	63217	63436	63014	3
321.476	-10.16	63220	63439	63017	0
321.500	-10.13	63221	63439	63017	3
321.666	-10.15	63224	63442	63020	2
321.750	-10.51	63226	63443	63022	5

322.000	-10.44	63231	63447	63026	0
322.011	-10.39	63231	63447	63027	4
322.230	-9.97	63235	63450	63031	0
322.250	-9.91	63235	63450	63031	2
322.356	-9.87	63237	63452	63033	3
322.500	-10.22	63240	63454	63036	4
322.701	-10.53	63244	63456	63040	1
322.750	-10.31	63245	63457	63041	5
322.983	-9.99	63250	63460	63046	0
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323.046	-9.86	63251	63461	63047	4
323.250	-10.20	63255	63464	63052	3
323.390	-10.45	63258	63466	63056	2
323.500	-10.36	63260	63467	63058	5
323.735	-10.57	63265	63470	63064	0
323.736	-10.04	63265	63470	63064	0
323.750	-9.89	63265	63471	63064	5
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324.250	-10.36	63275	63478	63077	3
324.425	-10.47	63278	63480	63081	1
324.488	-10.01	63279	63481	63083	0
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324.750	-9.88	63285	63485	63089	0
324.770	-10.36	63285	63485	63089	5
325.000	-10.40	63289	63489	63094	2
325.114	-10.46	63292	63490	63097	2
325.240	-9.99	63294	63492	63099	0
325.250	-9.97	63294	63492	63099	4
325.459	-10.02	63298	63496	63103	1
325.500	-10.27	63299	63496	63104	5
325.750	-10.16	63304	63500	63109	1
325.804	-10.11	63305	63501	63110	4
325.992	-9.84	63309	63504	63113	0
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326.149	-9.92	63312	63506	63116	2
326.250	-10.22	63314	63508	63118	5

326.493	-10.41	63319	63512	63122	0
326.500	-10.22	63319	63512	63122	5
326.744	-10.00	63324	63517	63127	0
326.750	-9.77	63324	63517	63127	2
326.838	-9.93	63326	63518	63129	3
327.000	-10.28	63330	63521	63132	4
327.183	-10.40	63333	63525	63136	1
327.250	-10.29	63335	63526	63137	5
327.495	-9.94	63340	63530	63142	0
327.500	-9.89	63340	63531	63142	1
327.527	-10.03	63341	63531	63143	5
327.750	-10.22	63345	63535	63148	3
327.872	-10.39	63348	63538	63150	3
328.000	-10.26	63351	63540	63153	5
328.216	-10.47	63355	63545	63158	1
328.246	-10.00	63356	63545	63159	0
328.250	-10.13	63356	63545	63159	5
328.500	-10.07	63361	63550	63164	1
328.561	-10.43	63362	63552	63165	4
328.750	-10.34	63366	63555	63169	3
328.905	-10.36	63369	63559	63172	2
328.997	-9.90	63371	63560	63174	0
329.000	-9.83	63371	63560	63174	5
329.250	-9.77	63376	63565	63179	5
329.500	-10.18	63381	63570	63183	2
329.594	-10.36	63383	63572	63184	3
329.748	-9.96	63386	63575	63187	0
329.750	-9.94	63386	63575	63187	4
329.939	-10.02	63389	63579	63190	1
330.000	-10.35	63391	63580	63191	5
330.250	-10.35	63395	63585	63194	1
330.283	-10.22	63396	63586	63195	4
330.498	-9.88	63400	63590	63198	0
330.500	-9.93	63400	63590	63198	2
330.628	-9.79	63403	63593	63200	2
330.750	-10.20	63405	63596	63202	4
330.972	-10.33	63410	63600	63205	1

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331.249	-10.04	63415	63607	63209	0
331.250	-9.91	63415	63607	63209	1
331.316	-10.13	63417	63608	63211	7
331.661	-10.74	63424	63616	63216	2
331.750	-10.65	63426	63618	63218	5
331.999	-10.02	63431	63624	63222	0
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332.005	-10.08	63431	63625	63222	5
332.250	-10.54	63436	63631	63226	2
332.349	-10.69	63439	63633	63228	3
332.500	-10.53	63442	63637	63230	4
332.693	-10.66	63446	63642	63233	1
332.749	-10.06	63447	63643	63234	0
332.750	-10.01	63447	63643	63234	5
333.000	-9.83	63452	63649	63238	1
333.038	-10.50	63453	63650	63239	4
333.250	-10.37	63458	63655	63242	3
333.382	-10.56	63460	63658	63244	2
333.500	-10.08	63463	63661	63246	5
333.726	-10.30	63467	63667	63249	0
333.750	-10.04	63468	63667	63250	5
334.000	-10.20	63473	63673	63253	1
334.070	-10.16	63474	63675	63254	4
334.250	-9.83	63478	63679	63257	3
334.414	-10.00	63481	63683	63259	2
334.500	-9.73	63483	63685	63261	5
334.750	-10.00	63488	63691	63264	0
334.758	-9.99	63488	63692	63264	5
335.000	-9.83	63493	63697	63268	2
335.102	-9.97	63495	63700	63269	3
335.250	-9.87	63498	63704	63271	4
335.446	-10.27	63502	63708	63274	1
335.500	-10.16	63503	63710	63275	5
335.750	-10.19	63508	63716	63278	0
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335.790	-9.88	63509	63717	63279	4

336.000	-9.91	63514	63722	63282	3
336.134	-10.41	63516	63726	63284	2
336.250	-10.29	63519	63729	63286	5
336.478	-10.37	63523	63734	63289	0
336.500	-10.17	63524	63735	63289	0
336.501	-9.81	63524	63735	63289	5
336.750	-9.59	63529	63741	63293	1
336.822	-9.71	63530	63743	63294	4
337.000	-9.95	63534	63747	63296	3
337.166	-10.08	63537	63751	63299	2
337.250	-9.98	63539	63753	63300	0
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337.500	-9.66	63544	63760	63303	0
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337.750	-9.93	63549	63766	63307	2
337.853	-9.99	63551	63768	63308	3
338.000	-9.90	63554	63772	63311	0
338.002	-9.72	63554	63772	63311	4
338.197	-9.86	63558	63777	63313	1
338.250	-9.92	63559	63778	63314	5
338.500	-10.09	63564	63784	63318	1
338.541	-10.01	63565	63785	63318	4
338.750	-10.04	63570	63790	63321	0
338.752	-9.97	63570	63790	63321	3
338.884	-9.86	63572	63793	63323	2
339.000	-9.85	63575	63796	63324	5
339.228	-9.98	63579	63801	63327	0
339.250	-10.05	63580	63802	63328	5
339.500	-10.05	63585	63808	63331	0
339.503	-9.85	63585	63808	63331	1
339.572	-9.94	63586	63809	63332	4
339.750	-9.97	63590	63814	63334	3
339.915	-10.25	63593	63818	63336	2
340.000	-10.07	63595	63820	63337	5
340.250	-10.03	63600	63826	63341	0
340.254	-9.73	63600	63826	63341	0
340.259	-9.84	63600	63826	63341	5

340.500	-9.85	63605	63832	63344	2
340.602	-10.12	63607	63834	63345	3
340.750	-10.05	63611	63838	63347	4
340.946	-10.25	63615	63843	63350	1
341.000	-10.23	63616	63844	63350	0
341.005	-9.84	63616	63844	63350	5
341.250	-9.63	63621	63851	63354	1
341.289	-9.81	63622	63852	63354	7
341.632	-10.37	63629	63861	63359	2
341.750	-10.33	63631	63864	63360	0
341.756	-9.73	63631	63864	63360	4
341.976	-9.83	63636	63870	63363	0
342.000	-9.86	63636	63871	63363	5
342.250	-10.13	63641	63877	63367	1
342.319	-9.96	63643	63879	63368	4
342.500	-9.93	63646	63884	63370	0
342.508	-9.71	63646	63884	63370	3
342.662	-9.70	63649	63889	63372	2
342.750	-9.71	63651	63891	63373	5
343.000	-10.05	63656	63898	63376	0
343.006	-10.22	63656	63898	63377	5
343.250	-10.23	63661	63905	63380	0
343.260	-9.94	63661	63905	63380	2
343.349	-9.97	63663	63907	63381	3
343.500	-10.02	63666	63911	63383	4
343.692	-10.53	63669	63917	63386	1
343.750	-10.18	63670	63918	63386	5
344.000	-10.13	63675	63925	63390	0
344.012	-9.57	63675	63925	63390	0
344.035	-9.80	63676	63926	63390	4
344.250	-9.85	63680	63932	63393	2
344.378	-10.38	63682	63935	63395	2
344.500	-10.22	63684	63938	63396	4
344.721	-10.38	63689	63944	63400	1
344.750	-10.29	63689	63945	63400	0
344.764	-9.86	63690	63945	63400	6
345.064	-9.91	63695	63953	63405	4

345.250	-9.79	63699	63958	63407	3
345.407	-10.37	63702	63962	63410	2
345.500	-9.99	63704	63964	63411	0
345.517	-9.75	63705	63965	63411	5
345.750	-9.64	63709	63971	63415	5
346.000	-9.74	63715	63977	63418	2
346.093	-10.16	63717	63979	63420	3
346.250	-9.97	63720	63983	63422	0
346.270	-9.86	63720	63984	63422	3
346.436	-9.97	63724	63988	63425	1
346.500	-9.99	63725	63990	63426	5
346.750	-10.08	63730	63996	63429	1
346.778	-10.07	63731	63997	63430	5
347.000	-10.05	63736	64002	63432	1
347.024	-9.96	63736	64003	63433	2
347.121	-9.97	63738	64005	63434	3
347.250	-9.98	63741	64009	63436	4
347.464	-10.42	63745	64014	63438	1
347.500	-10.05	63746	64015	63439	5
347.750	-10.04	63751	64021	63442	1
347.778	-9.44	63752	64022	63442	1
347.807	-9.83	63753	64023	63442	4
348.000	-9.89	63757	64027	63445	3
348.149	-10.49	63760	64031	63447	2
348.250	-10.16	63762	64034	63448	5
348.492	-10.47	63767	64040	63451	0
348.500	-10.14	63767	64040	63451	1
348.532	-9.88	63768	64041	63452	5
348.750	-9.54	63773	64047	63455	2
348.834	-9.81	63775	64049	63456	4
349.000	-10.03	63778	64054	63459	4
349.177	-10.11	63782	64059	63462	2
349.250	-9.73	63784	64061	63464	1
349.287	-9.46	63785	64062	63464	5
349.500	-9.31	63790	64067	63468	0
349.519	-9.47	63790	64068	63469	5
349.750	-9.65	63796	64075	63473	3

349.862	-9.70	63798	64078	63475	3
350.000	-9.50	63801	64082	63478	1
350.043	-9.27	63802	64083	63479	4
350.204	-9.22	63806	64087	63482	1
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350.500	-9.59	63813	64096	63487	1
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350.750	-9.58	63818	64103	63492	1
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350.888	-9.34	63821	64107	63494	2
351.000	-9.22	63824	64110	63496	5
351.231	-9.61	63829	64117	63499	0
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351.555	-9.32	63835	64126	63504	0
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351.915	-9.55	63843	64137	63508	7
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352.312	-9.58	63852	64148	63514	6
352.599	-9.59	63858	64156	63518	8
352.941	-9.63	63866	64167	63524	3
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353.283	-9.70	63874	64177	63531	9
353.625	-9.57	63883	64187	63539	5
353.827	-9.55	63888	64193	63544	4
353.967	-9.60	63892	64197	63548	9
354.308	-9.78	63901	64208	63555	7
354.586	-9.74	63907	64216	63561	2
354.650	-9.76	63909	64218	63562	8
354.992	-9.72	63917	64228	63568	8
355.333	-10.19	63925	64238	63571	0
355.346	-9.97	63925	64239	63571	7
355.675	-9.96	63932	64248	63575	8
356.016	-9.83	63940	64259	63580	2
356.106	-9.82	63943	64262	63581	7
356.358	-9.77	63949	64270	63588	11
356.699	-9.85	63960	64281	63601	6
356.867	-9.60	63966	64287	63609	7

357.041	-9.67	63973	64294	63620	15
357.382	-9.71	63988	64307	63646	12
357.628	-9.48	63999	64317	63668	5
357.723	-9.55	64004	64321	63676	17
358.064	-9.65	64020	64335	63708	15
358.391	-9.55	64036	64349	63737	1
358.405	-9.39	64037	64349	63738	15
358.747	-9.13	64051	64362	63764	12
359.088	-9.87	64064	64374	63784	2
359.154	-9.20	64066	64376	63787	8
359.429	-9.19	64074	64385	63796	8
359.769	-9.10	64082	64395	63803	3
359.918	-9.16	64085	64399	63804	4
360.110	-9.11	64089	64404	63806	6
360.451	-9.14	64095	64413	63806	4
360.682	-9.09	64098	64419	63806	2
360.792	-9.19	64100	64422	63806	6
361.133	-9.10	64107	64432	63808	6
361.448	-9.04	64113	64441	63811	1
361.473	-8.92	64114	64442	63812	7
361.814	-8.97	64121	64452	63817	8
362.154	-9.65	64129	64463	63822	1
362.214	-8.95	64130	64465	63824	7
362.495	-8.96	64137	64473	63829	8
362.835	-8.94	64145	64484	63835	3
362.982	-8.96	64148	64489	63838	17
363.750	-8.36	64165	64512	63851	17
364.519	-8.04	64182	64535	63862	16
365.289	-8.57	64198	64558	63874	16
366.061	-8.93	64214	64582	63887	16
366.833	-9.02	64231	64605	63900	17
367.606	-8.98	64248	64627	63912	17
368.381	-9.09	64264	64649	63924	16
369.156	-9.25	64281	64671	63937	16
369.933	-9.30	64296	64694	63949	16
370.710	-9.26	64312	64717	63962	16
371.489	-9.19	64328	64741	63974	17

372.269	-9.21	64345	64766	63986	17
373.051	-9.28	64362	64792	63997	17
373.833	-9.31	64379	64817	64010	17
374.617	-9.26	64395	64842	64022	17
375.402	-9.18	64412	64865	64035	17
376.188	-9.13	64429	64887	64048	17
376.976	-9.14	64446	64909	64061	17
377.765	-9.21	64463	64932	64072	17
378.556	-9.35	64481	64955	64084	17
379.348	-9.43	64498	64980	64095	17

Max	70
Min	0.00004