Table S1. Tie-Points for MD05-2920 Age Model.

Depth in core (cm)[a]	^{14}C Age[b] (^{14}C a BP)	± (a BP)	Cal. Age (a BP)	± (a BP)	Median probability age (a BP)	Method	Source
40	2610	35	2132	2299	2207	^{14}C AMS ages, Marine 13	*This Study*
80	4445	35	4413	4616	4528	^{14}C AMS ages, Marine 13	*This Study*
119	6040	40	6297	6450	6385	^{14}C AMS ages, Marine 13	*This Study*
198	8965	45	9469	9634	9558	^{14}C AMS ages, Marine 13	*This Study*
302	11835	45	13167	13319	13244	^{14}C AMS ages, Marine 13	*This Study*
322	12525	40	13843	14029	13937	^{14}C AMS ages, Marine 13	*This Study*
418	15130	60	17716	17951	17835	^{14}C AMS ages, Marine 13	*This Study*
437	15710	60	18398	18606	18503	^{14}C AMS ages, Marine 13	*This Study*
557	21030	90	24536	24945	24752	^{14}C AMS ages, Marine 13	*This Study*
637	26430	130	29951	30487	30220	^{14}C AMS ages, Marine 13	*This Study*
677	28560	160	31523	32115	31864	^{14}C AMS ages, Marine 13	*This Study*
718	32520	240	35681	36211	35937	^{14}C AMS ages, Marine 13	*This Study*
			Age (a BP)				
767			41300±600		41300	Tuned to Laschamp event[c]	This study
1027			62000		62000	tuned to benthic $\delta^{18}O$[d]	*Ménabréaz et al. (2012)*
1063			66783		66783	tuned to benthic $\delta^{18}O$[d]	*Tachikawa et al. (2011)*
1237			89674		89674	tuned to benthic $\delta^{18}O$[d]	*Tachikawa et al. (2011)*
1432			111450		111450	tuned to benthic $\delta^{18}O$[d]	*Tachikawa et al. (2011)*
1499			124170		124170	tuned to benthic $\delta^{18}O$[d]	*This study*
1583			133521		133521	tuned to benthic $\delta^{18}O$[d]	*Tachikawa et al. (2011)*
1969			185000		185000	tuned to benthic $\delta^{18}O$[d]	*This study*
2089			199600		199600	tuned to benthic $\delta^{18}O$[d]	*This study*
2269			223500		223500	tuned to benthic $\delta^{18}O$[d]	*This study*
2389			246000		246000	tuned to benthic $\delta^{18}O$[d]	This study
2789			286665		286665	tuned to benthic $\delta^{18}O$[d]	This study
3128			329867		329867	tuned to benthic $\delta^{18}O$[d]	Tachikawa et al. (2011)
3594			384889		384889	tuned to benthic $\delta^{18}O$[d]	Tachikawa et al. (2011)

[a]Depths are corrected for a top-core 30 cm void.

[b]All ^{14}C ages (*Tachikawa et al.*, 2011) were converted into calendar ages using the Marine 13 calibration curve (*Reimer et al.*, 2013) of the CALIB 7.1 radiocarbon calibration program (*Stuiver et al*., 2005) and corrected for a regional reservoir age of 70±60 years (*McGregor et al*., 2008). Errors are 2 sigma.

[c]The ^{10}Be/^{9}Be peak corresponding to the Laschamp event is synchronised on the *Laj et al.* (2014) Laschamp K/Ar and ^{40}Ar/^{39}Ar pooled ages

[d]*Lisiecki and Raymo* (2005)

Table S2. Tie-Points for MD05-2930 Age Model.

Depth in core (cm)	^{14}C Age[a] (^{14}C a BP)	± (a BP)	Age range 95% confidence interval (cal. a BP)		Method	Source
1	4820	30	4910	5259	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
70	7600	35	7933	8155	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
100	9205	40	9767	10156	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
150	10985	40	12310	12647	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
161	12655	45	13922	14395	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
170	14010	45	16159	16615	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
181	14780	60	17218	17715	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
200	16460	60	19124	19571	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
220	19230	90	22437	22929	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
280	28840	150	31719	32894	^{14}C AMS ages, Marine 13	*Regoli et al.* (2015)
			Age (a BP)			
340			41300±600		Tuned to Laschamp event[b]	This study
781.73			115578		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
801.25			122781		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
847.90			131897		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
976.37			174309		tuned to benthic $\delta^{18}O$[c]	This study
1000.00			185000		tuned to benthic $\delta^{18}O$[c]	This study
1100.35			200538		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
1140.00			207500		tuned to benthic $\delta^{18}O$[c]	This study
1179.68			219375		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
1250.53			233967		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
1273.24			243728		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
1460.84			284178		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
1658.20			327757		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
1960.08			405704		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
2042.38			432787		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
2317.20			490771		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
2440.00			512300		tuned to benthic $\delta^{18}O$[c]	This study
2727.61			575493		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
2900.24			610005		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
2924.68			621798		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
2979.11			630453		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
3160.83			696330		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
3320.30			717709		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
3443.57			743348		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)
3620.24			780258		tuned to benthic $\delta^{18}O$[c]	*Ménabréaz et al.* (2014)

[a] ^{14}C ages ages were converted into calendar ages using the MARINE13 calibration curve *(Reimer et al., 2013)* of the CALIB 7.1 radiocarbon calibration program *(Stuiver et al., 2005)*.

[b] The ^{10}Be/^{9}Be peak corresponding to the Laschamp event is synchronised on the *Laj et al.* (2014) Laschamp K/Ar and ^{40}Ar/^{39}Ar pooled ages

[c] *Lisiecki and Raymo* (2005)

Table S3. AMS measurements, authigenic ^{10}Be and ^{9}Be concentrations and authigenic $^{10}Be/^{9}Be$ ratios of core MD05-2920 samples.

Depth corrected (cm)	Age Model [ka]	Sample weight [g]	Measured ($^{10}Be/^{9}Be$) $*10^{-11}$	corrected $^{10}Be * 10^{8}$ [at.g^{-1}]	Authigenic $^{9}Be * 10^{16}$ [at.g^{-1}]	Authigenic $^{10}Be/^{9}Be * 10^{-8}$	Source
467	19.294	0.7564	2.134 ± 0.036	5.994 ± 0.101	1.198 ± 0.055	5.002 ± 0.492	Ménabréaz et al. (2012)
497	20.938	0.7259	3.307 ± 0.057	9.596 ± 0.165	1.632 ± 0.017	5.881 ± 0.236	Ménabréaz et al. (2012)
527	22.777	0.7210	3.148 ± 0.046	9.271 ± 0.135	1.553 ± 0.003	5.968 ± 0.176	Ménabréaz et al. (2012)
557	24.616	0.7076	3.246 ± 0.051	9.821 ± 0.155	1.694 ± 0.022	5.796 ± 0.237	Ménabréaz et al. (2012)
587	26.798	0.5027	2.508 ± 0.039	10.750 ± 0.169	1.574 ± 0.025	6.831 ± 0.302	Ménabréaz et al. (2012)
627	29.925	0.8170	4.097 ± 0.053	10.820 ± 0.141	1.697 ± 0.011	6.374 ± 0.187	Ménabréaz et al. (2012)
637	30.714	0.8180	4.094 ± 0.055	10.821 ± 0.145	1.661 ± 0.018	6.513 ± 0.226	Ménabréaz et al. (2012)
647	31.121	0.8076	3.636 ± 0.053	9.669 ± 0.142	1.619 ± 0.024	5.972 ± 0.249	Ménabréaz et al. (2012)
657	31.529	0.8331	3.546 ± 0.052	9.102 ± 0.133	1.492 ± 0.007	6.099 ± 0.186	Ménabréaz et al. (2012)
667	31.936	0.8021	3.604 ± 0.050	9.646 ± 0.134	1.505 ± 0.010	6.410 ± 0.199	Ménabréaz et al. (2012)
677	32.343	0.8573	3.693 ± 0.055	9.254 ± 0.139	1.402 ± 0.015	6.600 ± 0.245	Ménabréaz et al. (2012)
687	33.436	0.8845	4.419 ± 0.060	10.740 ± 0.146	1.699 ± 0.018	6.322 ± 0.220	Ménabréaz et al. (2012)
697	34.529	0.9206	4.386 ± 0.060	10.046 ± 0.138	1.387 ± 0.034	7.243 ± 0.411	Ménabréaz et al. (2012)
707	35.622	0.7370	3.330 ± 0.046	9.731 ± 0.136	1.634 ± 0.005	5.956 ± 0.169	Ménabréaz et al. (2012)
717	36.715	0.9303	4.787 ± 0.068	11.058 ± 0.156	1.740 ± 0.019	6.354 ± 0.229	Ménabréaz et al. (2012)
727	37.557	0.5465	2.910 ± 0.109	11.589 ± 0.434	1.595 ± 0.032	7.266 ± 0.616	Ménabréaz et al. (2012)
737	38.372	0.6313	3.426 ± 0.048	11.774 ± 0.165	1.643 ± 0.020	7.168 ± 0.267	Ménabréaz et al. (2012)
747	39.187	0.8181	4.987 ± 0.066	13.253 ± 0.174	1.568 ± 0.017	8.451 ± 0.288	Ménabréaz et al. (2012)
757	40.002	0.8266	5.540 ± 0.072	14.526 ± 0.190	1.680 ± 0.012	8.646 ± 0.259	Ménabréaz et al. (2012)
767	40.816	0.6168	4.358 ± 0.048	15.385 ± 0.169	1.356 ± 0.021	11.346 ± 0.432	Ménabréaz et al. (2012)
777	41.631	0.6057	3.994 ± 0.040	14.347 ± 0.145	1.413 ± 0.022	10.153 ± 0.371	Ménabréaz et al. (2012)
787	42.446	0.6120	3.662 ± 0.044	13.088 ± 0.158	1.498 ± 0.007	8.736 ± 0.225	Ménabréaz et al. (2012)
797	43.261	0.7745	4.262 ± 0.048	11.874 ± 0.135	1.347 ± 0.014	8.812 ± 0.272	Ménabréaz et al. (2012)
807	44.075	0.8135	3.829 ± 0.047	10.247 ± 0.125	1.401 ± 0.032	7.312 ± 0.379	Ménabréaz et al. (2012)
817	44.890	0.8026	3.077 ± 0.042	8.187 ± 0.111	1.559 ± 0.036	5.252 ± 0.283	Ménabréaz et al. (2012)
827	45.705	0.7080	2.672 ± 0.036	8.155 ± 0.110	1.421 ± 0.013	5.739 ± 0.188	Ménabréaz et al. (2012)
837	46.520	0.7329	2.850 ± 0.036	8.365 ± 0.106	1.429 ± 0.045	5.855 ± 0.397	Ménabréaz et al. (2012)
847	47.334	0.9190	3.419 ± 0.040	7.993 ± 0.094	1.408 ± 0.032	5.676 ± 0.289	Ménabréaz et al. (2012)
857	48.149	0.7223	2.590 ± 0.036	7.705 ± 0.106	1.508 ± 0.010	5.108 ± 0.155	Ménabréaz et al. (2012)
867	48.964	0.7120	2.531 ± 0.038	7.676 ± 0.114	1.676 ± 0.005	4.579 ± 0.139	Ménabréaz et al. (2012)
897	51.408	0.5050	1.645 ± 0.027	7.093 ± 0.118	1.643 ± 0.066	4.316 ± 0.376	Ménabréaz et al. (2012)
927	53.852	0.5034	2.051 ± 0.030	8.866 ± 0.131	1.719 ± 0.069	5.159 ± 0.440	Ménabréaz et al. (2012)
957	56.297	0.6290	2.834 ± 0.039	9.777 ± 0.135	1.372 ± 0.036	7.128 ± 0.421	Ménabréaz et al. (2012)
967	57.111	0.7113	3.181 ± 0.043	9.676 ± 0.130	1.603 ± 0.049	6.037 ± 0.405	Ménabréaz et al. (2012)
977	57.926	0.7553	3.686 ± 0.052	10.591 ± 0.151	1.440 ± 0.021	7.353 ± 0.301	This Study
987	58.741	0.8784	4.169 ± 0.062	9.687 ± 0.145	1.342 ± 0.030	7.219 ± 0.385	This Study
997	59.556	0.6716	3.354 ± 0.046	10.918 ± 0.149	1.610 ± 0.010	6.782 ± 0.204	This Study
1007	60.370	0.4064	2.040 ± 0.031	11.069 ± 0.167	1.687 ± 0.033	6.562 ± 0.321	This Study
1016	61.185	0.4098	2.204 ± 0.031	11.792 ± 0.167	1.347 ± 0.034	8.755 ± 0.506	This Study
1027	62.000	0.6253	3.504 ± 0.050	12.285 ± 0.175	1.517 ± 0.028	8.097 ± 0.377	This Study
1037	63.329	0.5096	2.039 ± 0.030	8.851 ± 0.129	1.391 ± 0.020	6.361 ± 0.259	This Study
1047	64.657	0.6170	2.618 ± 0.042	9.271 ± 0.149	1.381 ± 0.006	6.715 ± 0.224	This Study
1057	65.986	0.6723	2.052 ± 0.036	6.748 ± 0.117	1.244 ± 0.006	5.425 ± 0.196	This Study
1067	67.309	0.4223	1.531 ± 0.027	7.969 ± 0.141	1.704 ± 0.012	4.677 ± 0.179	This Study
1077	68.625	0.6256	2.464 ± 0.038	8.625 ± 0.133	2.057 ± 0.022	4.193 ± 0.158	This Study
1087	69.940	0.4869	2.056 ± 0.036	9.284 ± 0.165	2.108 ± 0.029	4.404 ± 0.198	This Study
1097	71.256	0.6278	2.648 ± 0.038	9.028 ± 0.128	1.639 ± 0.054	5.507 ± 0.394	This Study
1107	72.572	0.5283	2.571 ± 0.036	10.461 ± 0.145	1.086 ± 0.048	9.637 ± 0.889	This Study
1117	73.887	0.5721	2.753 ± 0.039	10.352 ± 0.147	1.587 ± 0.035	6.523 ± 0.340	This Study
1127	75.203	0.9638	3.521 ± 0.049	7.804 ± 0.109	1.655 ± 0.016	4.717 ± 0.159	This Study
1137	76.518	0.6964	3.024 ± 0.048	9.357 ± 0.147	1.838 ± 0.023	5.090 ± 0.206	This Study
1147	77.834	0.6944	3.182 ± 0.043	9.842 ± 0.134	1.761 ± 0.022	5.590 ± 0.208	This Study
1157	79.149	0.4731	1.982 ± 0.030	8.992 ± 0.136	1.549 ± 0.025	5.806 ± 0.255	This Study
1167	80.465	0.8567	3.188 ± 0.045	7.860 ± 0.111	1.406 ± 0.019	5.589 ± 0.219	This Study
1177	81.781	0.8551	3.509 ± 0.047	9.033 ± 0.122	1.686 ± 0.035	5.356 ± 0.266	This Study
1187	83.096	0.7952	3.781 ± 0.051	10.486 ± 0.140	1.715 ± 0.050	6.114 ± 0.394	This Study
1197	84.412	0.7481	3.433 ± 0.046	10.144 ± 0.136	1.614 ± 0.015	6.287 ± 0.204	This Study
1207	85.727	0.7049	3.290 ± 0.045	10.365 ± 0.142	1.706 ± 0.064	6.077 ± 0.485	This Study
1217	87.043	0.6811	3.075 ± 0.041	10.006 ± 0.135	1.751 ± 0.039	5.714 ± 0.298	This Study
1227	88.358	0.8293	3.635 ± 0.049	9.721 ± 0.130	1.752 ± 0.024	5.548 ± 0.211	This Study
1237	89.674	0.8269	3.239 ± 0.045	8.684 ± 0.120	1.487 ± 0.019	5.840 ± 0.222	This Study
1247	90.791	0.9047	3.417 ± 0.049	8.348 ± 0.121	1.528 ± 0.026	5.463 ± 0.244	This Study
1257	91.907	0.8673	4.045 ± 0.055	10.292 ± 0.141	1.752 ± 0.025	5.875 ± 0.235	This Study
1267	93.024	0.7573	3.530 ± 0.048	10.332 ± 0.140	1.570 ± 0.012	6.579 ± 0.207	This Study
1277	94.141	0.8634	4.488 ± 0.060	11.463 ± 0.153	1.690 ± 0.028	6.782 ± 0.290	This Study
1287	95.258	0.7749	3.911 ± 0.053	11.301 ± 0.152	1.646 ± 0.041	6.865 ± 0.390	This Study
1297	96.374	0.9624	4.923 ± 0.064	11.365 ± 0.149	1.483 ± 0.013	7.665 ± 0.242	This Study
1307	97.491	0.9167	5.178 ± 0.067	12.650 ± 0.164	1.473 ± 0.032	8.586 ± 0.433	This Study
1317	98.608	0.9733	5.440 ± 0.071	12.499 ± 0.164	1.620 ± 0.030	7.717 ± 0.353	This Study
1327	99.724	0.9079	3.570 ± 0.049	8.931 ± 0.122	1.229 ± 0.050	7.267 ± 0.620	This Study
1337	100.841	0.9242	4.304 ± 0.057	10.431 ± 0.138	1.470 ± 0.048	7.095 ± 0.496	This Study
1347	101.958	0.8435	4.489 ± 0.060	12.010 ± 0.161	1.525 ± 0.051	7.874 ± 0.566	This Study
1357	103.075	0.9168	4.745 ± 0.062	11.640 ± 0.151	1.654 ± 0.030	7.036 ± 0.314	This Study
1367	104.191	0.9800	5.006 ± 0.067	11.495 ± 0.155	1.660 ± 0.017	6.925 ± 0.237	This Study
1377	105.308	0.9828	3.820 ± 0.052	8.726 ± 0.119	1.557 ± 0.061	5.605 ± 0.466	This Study
1382	105.866	0.8270	2.148 ± 0.034	5.872 ± 0.093	1.457 ± 0.026	4.029 ± 0.193	This Study
1387	106.425	0.8331	1.053 ± 0.019	2.844 ± 0.050	0.898 ± 0.069	3.168 ± 0.499	This Study
1387	106.425	0.9784	1.284 ± 0.023	2.949 ± 0.054	0.680 ± 0.008	4.334 ± 0.190	This Study
1396	107.430	0.9822	4.295 ± 0.057	9.817 ± 0.131	1.558 ± 0.033	6.299 ± 0.314	This Study
1399	107.765	0.9353	4.284 ± 0.060	10.284 ± 0.144	1.651 ± 0.022	6.229 ± 0.242	This Study
1409	108.882	0.8318	4.062 ± 0.054	10.789 ± 0.144	1.712 ± 0.074	6.303 ± 0.568	This Study
1419	109.998	0.8787	5.140 ± 0.066	13.273 ± 0.171	1.957 ± 0.084	6.782 ± 0.611	This Study
1429	111.115	0.6292	3.504 ± 0.046	12.756 ± 0.168	1.777 ± 0.052	7.178 ± 0.461	This Study
1439	112.473	0.7770	4.067 ± 0.054	11.859 ± 0.156	1.708 ± 0.028	6.942 ± 0.289	This Study
1449	113.935	0.7761	3.507 ± 0.046	10.058 ± 0.132	1.830 ± 0.061	5.497 ± 0.396	This Study
1459	115.396	0.7954	3.229 ± 0.043	9.264 ± 0.123	1.555 ± 0.048	5.958 ± 0.403	This Study
1469	116.858	0.8585	3.939 ± 0.053	10.211 ± 0.136	1.551 ± 0.012	6.582 ± 0.204	This Study

1479	118.320	0.8897	3.815 ± 0.051	9.321 ± 0.126	1.417 ± 0.014	6.577 ± 0.221	This Study
1489	119.781	0.8533	3.394 ± 0.049	9.094 ± 0.132	1.319 ± 0.022	6.894 ± 0.305	This Study
1499	121.243	0.7080	2.877 ± 0.038	9.313 ± 0.124	1.158 ± 0.038	8.039 ± 0.567	This Study
1509	122.705	0.8130	3.585 ± 0.048	10.108 ± 0.135	1.326 ± 0.044	7.623 ± 0.549	This Study
1519	124.166	0.7028	2.831 ± 0.039	9.277 ± 0.128	1.188 ± 0.015	7.811 ± 0.292	This Study
1529	125.628	0.8455	2.855 ± 0.039	7.702 ± 0.106	1.504 ± 0.028	5.120 ± 0.238	This Study
1539	127.090	0.6486	2.414 ± 0.034	8.291 ± 0.116	1.390 ± 0.038	5.964 ± 0.367	This Study
1549	128.551	0.7373	3.078 ± 0.042	9.579 ± 0.132	1.572 ± 0.040	6.095 ± 0.351	This Study
1559	130.013	0.8089	3.358 ± 0.047	9.524 ± 0.134	1.532 ± 0.009	6.216 ± 0.190	This Study
1569	131.475	0.7474	2.918 ± 0.041	9.003 ± 0.127	1.411 ± 0.028	6.382 ± 0.311	This Study
1579	132.936	0.7393	2.893 ± 0.040	8.869 ± 0.123	1.359 ± 0.029	6.526 ± 0.334	This Study
1589	134.279	0.7178	2.442 ± 0.035	7.885 ± 0.113	1.397 ± 0.028	5.645 ± 0.277	This Study
1599	135.544	0.6857	2.259 ± 0.033	7.551 ± 0.109	1.287 ± 0.004	5.865 ± 0.173	This Study
1609	136.808	0.6598	1.886 ± 0.028	6.624 ± 0.099	1.622 ± 0.049	4.083 ± 0.275	This Study
1619	138.072	0.6405	1.592 ± 0.024	5.799 ± 0.086	1.558 ± 0.010	3.723 ± 0.120	This Study
1629	139.336	0.7109	1.771 ± 0.027	5.817 ± 0.088	1.579 ± 0.056	3.684 ± 0.283	This Study
1639	140.600	0.6943	1.857 ± 0.028	6.222 ± 0.093	1.568 ± 0.039	3.968 ± 0.229	This Study
1649	141.864	0.7457	2.097 ± 0.038	6.559 ± 0.118	1.649 ± 0.025	3.977 ± 0.186	This Study
1659	143.128	0.8463	2.610 ± 0.045	7.107 ± 0.122	1.645 ± 0.041	4.322 ± 0.263	This Study
1669	144.392	0.7655	1.740 ± 0.033	5.229 ± 0.099	1.275 ± 0.083	4.101 ± 0.555	This Study
1679	145.656	0.6969	1.756 ± 0.031	5.804 ± 0.102	1.276 ± 0.049	4.550 ± 0.382	This Study
1689	146.920	0.7340	2.567 ± 0.045	8.038 ± 0.141	1.615 ± 0.037	4.978 ± 0.288	This Study
1699	148.184	0.7809	3.001 ± 0.049	8.814 ± 0.145	1.491 ± 0.019	5.911 ± 0.245	This Study
1709	149.449	0.7552	3.753 ± 0.061	11.451 ± 0.187	1.853 ± 0.048	6.179 ± 0.378	This Study
1719	150.713	0.6976	3.183 ± 0.052	10.544 ± 0.173	1.735 ± 0.033	6.079 ± 0.305	This Study
1729	151.977	0.8016	3.429 ± 0.058	9.826 ± 0.166	1.804 ± 0.026	5.448 ± 0.243	This Study
1739	153.241	0.7592	2.839 ± 0.047	8.651 ± 0.142	2.090 ± 0.080	4.138 ± 0.345	This Study
1749	154.505	0.8709	2.688 ± 0.045	7.104 ± 0.118	1.715 ± 0.061	4.143 ± 0.325	This Study
1759	155.769	0.7047	2.837 ± 0.046	9.300 ± 0.150	1.855 ± 0.063	5.013 ± 0.377	This Study
1769	157.033	0.6723	2.702 ± 0.035	8.777 ± 0.115	1.437 ± 0.032	6.107 ± 0.318	This Study
1779	158.297	0.7343	2.864 ± 0.037	8.921 ± 0.115	1.427 ± 0.007	6.253 ± 0.171	This Study
1789	159.561	0.6947	2.979 ± 0.038	9.197 ± 0.117	1.400 ± 0.043	6.571 ± 0.436	This Study
1799	160.825	0.6452	2.658 ± 0.034	9.495 ± 0.122	1.492 ± 0.030	6.366 ± 0.301	This Study
1809	162.089	0.6640	2.378 ± 0.031	8.241 ± 0.109	1.438 ± 0.043	5.731 ± 0.375	This Study
1819	163.353	0.8134	2.941 ± 0.037	8.317 ± 0.106	1.546 ± 0.029	5.381 ± 0.243	This Study
1829	164.618	0.6245	1.922 ± 0.025	7.106 ± 0.094	1.350 ± 0.045	5.264 ± 0.374	This Study
1839	165.882	0.7304	2.272 ± 0.032	7.175 ± 0.100	1.259 ± 0.038	5.697 ± 0.378	This Study
1849	167.146	0.7009	2.246 ± 0.030	7.392 ± 0.098	1.377 ± 0.010	5.370 ± 0.161	This Study
1859	168.410	0.5924	1.929 ± 0.026	7.530 ± 0.103	1.231 ± 0.048	6.116 ± 0.503	This Study
1869	169.674	0.6178	2.188 ± 0.029	8.186 ± 0.108	1.479 ± 0.009	5.534 ± 0.162	This Study
1879	170.938	0.7414	2.477 ± 0.033	7.725 ± 0.103	0.974 ± 0.009	7.933 ± 0.261	This Study
1889	172.202	0.7679	2.860 ± 0.036	8.639 ± 0.108	1.057 ± 0.022	8.172 ± 0.403	This Study
1899	173.466	0.8219	2.909 ± 0.037	8.203 ± 0.103	1.207 ± 0.013	6.795 ± 0.225	This Study
1909	174.730	0.7197	2.631 ± 0.033	8.156 ± 0.102	1.187 ± 0.029	6.869 ± 0.382	This Study
1919	175.994	0.7171	2.621 ± 0.033	8.169 ± 0.104	1.247 ± 0.010	6.549 ± 0.198	This Study
1929	177.258	0.7599	3.123 ± 0.039	9.469 ± 0.119	1.287 ± 0.020	7.355 ± 0.297	This Study
1939	178.523	0.8280	3.699 ± 0.046	10.120 ± 0.126	1.312 ± 0.019	7.711 ± 0.299	This Study
1949	179.787	0.7264	3.352 ± 0.042	10.782 ± 0.136	1.337 ± 0.013	8.062 ± 0.255	This Study
1959	181.051	0.7213	3.377 ± 0.042	10.856 ± 0.136	1.227 ± 0.034	8.850 ± 0.542	This Study
1969	182.350	0.8588	2.599 ± 0.034	7.015 ± 0.091	0.860 ± 0.024	8.156 ± 0.505	This Study
1979	183.787	0.6944	2.886 ± 0.037	9.498 ± 0.122	1.178 ± 0.006	8.061 ± 0.226	This Study
1989	185.225	0.7822	3.962 ± 0.049	11.838 ± 0.148	1.363 ± 0.017	8.688 ± 0.305	This Study
1999	186.662	0.7999	4.262 ± 0.054	12.455 ± 0.157	1.280 ± 0.010	9.728 ± 0.288	This Study
2009	188.100	0.7829	4.543 ± 0.056	13.619 ± 0.168	1.210 ± 0.012	11.258 ± 0.354	This Study
2019	189.537	0.7134	3.876 ± 0.049	12.908 ± 0.162	1.288 ± 0.013	10.019 ± 0.320	This Study
2029	190.975	0.8895	4.404 ± 0.055	11.272 ± 0.141	1.307 ± 0.001	8.625 ± 0.216	This Study
2039	192.412	0.7940	3.522 ± 0.045	10.093 ± 0.128	1.271 ± 0.005	7.942 ± 0.210	This Study
2049	193.850	0.8334	3.279 ± 0.041	9.244 ± 0.116	1.269 ± 0.007	7.286 ± 0.200	This Study
2059	195.287	0.7237	1.463 ± 0.019	4.772 ± 0.063	0.699 ± 0.013	6.822 ± 0.311	This Study
2069	196.725	0.7088	1.398 ± 0.019	4.661 ± 0.063	0.730 ± 0.001	6.386 ± 0.173	This Study
2079	198.162	0.7483	2.463 ± 0.031	7.775 ± 0.098	1.244 ± 0.007	6.249 ± 0.174	This Study
2089	199.600	0.7176	2.366 ± 0.030	7.654 ± 0.096	1.315 ± 0.018	5.823 ± 0.214	This Study
2099	201.037	0.8205	2.656 ± 0.034	7.664 ± 0.097	1.337 ± 0.003	5.734 ± 0.148	This Study
2109	202.475	0.8098	2.414 ± 0.031	7.023 ± 0.090	1.334 ± 0.013	5.265 ± 0.170	This Study
2119	203.913	0.8337	1.484 ± 0.020	4.207 ± 0.056	0.849 ± 0.016	4.956 ± 0.233	This Study
2129	205.350	0.8350	2.681 ± 0.034	7.548 ± 0.096	1.473 ± 0.026	5.126 ± 0.221	This Study
2139	206.788	0.7345	2.468 ± 0.032	7.934 ± 0.101	1.399 ± 0.026	5.670 ± 0.253	This Study
2149	208.225	0.8180	2.378 ± 0.031	6.686 ± 0.086	1.175 ± 0.031	5.688 ± 0.336	This Study
2159	209.663	0.7860	2.511 ± 0.032	7.554 ± 0.095	1.117 ± 0.020	6.762 ± 0.294	This Study
2169	211.100	0.8722	3.023 ± 0.037	8.225 ± 0.102	1.253 ± 0.034	6.566 ± 0.388	This Study
2179	212.538	0.7717	2.621 ± 0.033	8.033 ± 0.101	1.076 ± 0.010	7.462 ± 0.229	This Study
2189	213.975	0.7117	2.449 ± 0.031	8.246 ± 0.104	0.968 ± 0.034	8.516 ± 0.632	This Study
2199	215.413	0.8101	2.592 ± 0.033	7.611 ± 0.096	0.869 ± 0.012	8.756 ± 0.324	This Study
2209	216.850	0.8570	3.322 ± 0.042	9.260 ± 0.117	1.121 ± 0.012	8.259 ± 0.277	This Study
2219	218.288	0.7474	3.050 ± 0.038	9.710 ± 0.121	1.117 ± 0.008	8.694 ± 0.253	This Study
2229	219.725	0.7990	3.305 ± 0.041	9.911 ± 0.124	1.175 ± 0.009	8.433 ± 0.251	This Study
2239	221.163	0.7073	3.067 ± 0.038	10.378 ± 0.130	1.259 ± 0.020	8.244 ± 0.335	This Study
2249	222.601	0.8388	2.942 ± 0.038	8.311 ± 0.108	1.254 ± 0.014	6.627 ± 0.225	This Study
2259	224.038	0.7783	2.174 ± 0.028	6.592 ± 0.084	1.327 ± 0.004	4.966 ± 0.129	This Study
2269	225.476	0.8668	1.777 ± 0.024	4.881 ± 0.065	1.139 ± 0.001	4.284 ± 0.114	This Study
2279	226.913	0.9446	2.314 ± 0.031	5.835 ± 0.078	1.317 ± 0.005	4.430 ± 0.124	This Study
2289	228.351	0.7915	2.142 ± 0.027	6.522 ± 0.083	1.529 ± 0.011	4.264 ± 0.125	This Study
2299	229.788	0.8324	2.057 ± 0.027	5.900 ± 0.078	1.543 ± 0.046	3.823 ± 0.250	This Study
2309	231.226	0.7896	2.135 ± 0.028	6.376 ± 0.082	1.265 ± 0.013	5.039 ± 0.167	This Study
2319	232.663	0.8287	2.476 ± 0.031	7.122 ± 0.090	1.395 ± 0.007	5.106 ± 0.139	This Study
2329	234.101	0.8479	2.316 ± 0.030	6.565 ± 0.085	1.160 ± 0.010	5.661 ± 0.173	This Study
2339	235.538	0.8644	2.257 ± 0.029	6.276 ± 0.080	1.002 ± 0.004	6.262 ± 0.168	This Study
2349	236.976	0.8987	2.980 ± 0.039	7.962 ± 0.103	1.106 ± 0.014	7.198 ± 0.257	This Study
2359	238.413	0.8025	2.866 ± 0.036	8.602 ± 0.109	1.098 ± 0.007	7.836 ± 0.222	This Study
2369	239.851	0.8107	2.924 ± 0.039	8.609 ± 0.116	1.144 ± 0.009	7.526 ± 0.232	This Study
2379	241.289	0.8701	2.743 ± 0.036	7.477 ± 0.099	1.284 ± 0.019	5.822 ± 0.229	This Study

2389	242.726	0.8820	2.372 ± 0.032	6.449 ± 0.086	1.124 ± 0.010	5.737 ± 0.183	This Study
2399	244.164	0.7711	2.242 ± 0.030	6.981 ± 0.094	1.096 ± 0.030	6.369 ± 0.384	This Study
2409	245.601	0.9170	2.849 ± 0.038	7.466 ± 0.100	1.188 ± 0.008	6.283 ± 0.187	This Study
2419	247.039	0.9277	2.701 ± 0.036	6.929 ± 0.092	1.129 ± 0.010	6.139 ± 0.197	This Study
2429	248.476	0.9106	1.910 ± 0.026	5.046 ± 0.068	0.912 ± 0.026	5.531 ± 0.347	This Study
2439	249.633	0.8735	2.126 ± 0.029	5.781 ± 0.079	1.047 ± 0.023	5.519 ± 0.287	This Study
2449	250.759	0.7293	1.974 ± 0.027	6.501 ± 0.088	1.090 ± 0.016	5.964 ± 0.238	This Study
2459	251.884	0.7735	2.176 ± 0.030	6.771 ± 0.093	1.108 ± 0.017	6.113 ± 0.255	This Study
2469	253.010	0.7756	2.140 ± 0.029	6.647 ± 0.089	1.046 ± 0.018	6.353 ± 0.277	This Study
2479	254.135	0.7908	2.342 ± 0.031	7.086 ± 0.095	0.939 ± 0.018	7.549 ± 0.353	This Study
2489	255.261	0.7425	2.940 ± 0.040	9.342 ± 0.126	1.063 ± 0.004	8.785 ± 0.245	This Study
2499	256.387	0.7721	3.381 ± 0.045	10.457 ± 0.138	1.089 ± 0.008	9.602 ± 0.289	This Study
2509	257.512	0.6924	3.217 ± 0.043	11.076 ± 0.147	1.107 ± 0.013	10.006 ± 0.350	This Study
2519	258.638	0.8278	3.733 ± 0.050	10.773 ± 0.144	1.132 ± 0.011	9.514 ± 0.317	This Study
2529	259.763	0.7107	2.533 ± 0.034	8.692 ± 0.116	0.960 ± 0.012	9.057 ± 0.333	This Study
2539	260.889	0.7982	2.859 ± 0.038	8.495 ± 0.113	1.017 ± 0.018	8.355 ± 0.376	This Study
2549	262.015	0.6568	2.048 ± 0.028	7.415 ± 0.100	0.902 ± 0.009	8.221 ± 0.277	This Study
2559	263.140	0.8016	2.707 ± 0.036	8.054 ± 0.108	0.985 ± 0.019	8.178 ± 0.381	This Study
2569	264.266	0.9325	3.395 ± 0.045	8.717 ± 0.114	1.095 ± 0.013	7.959 ± 0.286	This Study
2579	265.391	0.9496	3.084 ± 0.041	7.752 ± 0.103	1.023 ± 0.011	7.575 ± 0.255	This Study
2589	266.517	0.7944	2.819 ± 0.038	8.453 ± 0.113	1.121 ± 0.018	7.541 ± 0.317	This Study
2599	267.643	0.7845	2.836 ± 0.038	8.655 ± 0.116	1.274 ± 0.042	6.795 ± 0.483	This Study
2609	268.768	0.7363	2.574 ± 0.034	8.474 ± 0.112	1.228 ± 0.007	6.899 ± 0.196	This Study
2619	269.894	0.7224	2.521 ± 0.034	8.457 ± 0.114	1.283 ± 0.006	6.590 ± 0.187	This Study
2629	271.019	0.8006	2.850 ± 0.038	8.597 ± 0.114	1.337 ± 0.019	6.430 ± 0.251	This Study
2639	272.145	0.7535	2.675 ± 0.036	8.597 ± 0.114	1.382 ± 0.010	6.220 ± 0.189	This Study
2649	273.270	0.6791	2.110 ± 0.028	7.540 ± 0.101	1.199 ± 0.017	6.286 ± 0.243	This Study
2659	274.396	0.8367	2.538 ± 0.034	7.330 ± 0.098	1.195 ± 0.012	6.135 ± 0.208	This Study
2669	275.522	0.7851	2.798 ± 0.037	8.690 ± 0.115	1.391 ± 0.007	6.248 ± 0.177	This Study
2679	276.647	0.8757	3.171 ± 0.042	8.789 ± 0.117	1.452 ± 0.009	6.052 ± 0.176	This Study
2689	277.773	0.6654	2.420 ± 0.032	8.854 ± 0.118	1.419 ± 0.007	6.242 ± 0.178	This Study
2699	278.898	0.7745	2.974 ± 0.039	9.333 ± 0.124	1.437 ± 0.026	6.493 ± 0.290	This Study
2709	280.024	0.7859	2.985 ± 0.040	9.210 ± 0.123	1.322 ± 0.013	6.965 ± 0.234	This Study
2719	281.150	0.8009	3.221 ± 0.043	9.832 ± 0.131	1.374 ± 0.011	7.158 ± 0.223	This Study
2729	282.275	0.7589	2.688 ± 0.036	8.588 ± 0.113	1.338 ± 0.012	6.420 ± 0.207	This Study
2739	283.401	0.9007	2.756 ± 0.037	7.394 ± 0.099	1.147 ± 0.015	6.448 ± 0.244	This Study
2749	284.526	0.7975	2.945 ± 0.039	8.972 ± 0.120	1.320 ± 0.045	6.798 ± 0.497	This Study
2759	285.652	0.7885	3.576 ± 0.047	11.028 ± 0.145	1.310 ± 0.031	8.418 ± 0.454	This Study
2769	286.785	0.8538	4.135 ± 0.054	11.759 ± 0.154	1.249 ± 0.032	9.414 ± 0.547	This Study
2779	287.985	0.9358	4.237 ± 0.056	10.989 ± 0.144	1.186 ± 0.011	9.266 ± 0.302	This Study
2789	289.185	0.6920	3.281 ± 0.044	11.580 ± 0.155	1.330 ± 0.028	8.707 ± 0.429	This Study
2799	290.385	0.8257	3.189 ± 0.043	9.415 ± 0.128	1.109 ± 0.027	8.489 ± 0.468	This Study
2809	291.585	0.8788	3.750 ± 0.050	10.429 ± 0.138	1.302 ± 0.034	8.012 ± 0.464	This Study
2819	292.785	0.6249	2.515 ± 0.034	9.861 ± 0.132	1.151 ± 0.014	8.570 ± 0.312	This Study
2829	293.985	0.7757	3.051 ± 0.041	9.619 ± 0.128	1.206 ± 0.011	7.976 ± 0.259	This Study
2839	295.185	0.8997	2.652 ± 0.035	7.183 ± 0.095	0.897 ± 0.012	8.011 ± 0.304	This Study
2849	296.385	0.8094	3.167 ± 0.042	9.552 ± 0.127	1.283 ± 0.013	7.445 ± 0.251	This Study
2859	297.586	0.9039	3.152 ± 0.042	8.494 ± 0.113	1.252 ± 0.018	6.785 ± 0.265	This Study
2869	298.786	0.7412	2.355 ± 0.032	7.755 ± 0.105	1.227 ± 0.004	6.319 ± 0.174	This Study
2879	299.986	0.7883	1.957 ± 0.027	6.084 ± 0.083	1.077 ± 0.003	5.648 ± 0.158	This Study
2889	301.186	0.8698	1.992 ± 0.027	5.585 ± 0.074	1.058 ± 0.006	5.281 ± 0.152	This Study
2899	302.386	0.8276	1.749 ± 0.024	5.233 ± 0.072	0.997 ± 0.025	5.249 ± 0.298	This Study
2909	303.586	0.9175	2.284 ± 0.031	6.115 ± 0.082	1.058 ± 0.008	5.778 ± 0.177	This Study
2919	304.786	0.8136	2.278 ± 0.031	6.864 ± 0.092	1.059 ± 0.005	6.482 ± 0.184	This Study
2929	305.986	0.9453	2.930 ± 0.039	7.589 ± 0.101	1.072 ± 0.017	7.079 ± 0.292	This Study
2939	307.186	0.9665	2.986 ± 0.040	7.539 ± 0.102	1.062 ± 0.003	7.101 ± 0.195	This Study
2949	308.386	0.7610	2.714 ± 0.036	8.778 ± 0.117	1.184 ± 0.025	7.416 ± 0.369	This Study
2959	309.586	0.8517	3.344 ± 0.044	9.652 ± 0.127	1.162 ± 0.014	8.308 ± 0.295	This Study
2969	310.786	0.7285	2.996 ± 0.040	10.106 ± 0.134	1.257 ± 0.010	8.042 ± 0.251	This Study
2979	311.986	0.8137	3.054 ± 0.040	9.292 ± 0.122	1.257 ± 0.019	7.393 ± 0.297	This Study
2989	313.186	0.8695	3.061 ± 0.039	8.711 ± 0.112	1.310 ± 0.010	6.651 ± 0.198	This Study
2999	314.386	0.9484	2.781 ± 0.037	7.237 ± 0.096	1.152 ± 0.011	6.284 ± 0.205	This Study
3009	315.586	0.9174	2.495 ± 0.034	6.724 ± 0.091	1.201 ± 0.005	5.599 ± 0.158	This Study
3019	316.786	0.8136	1.778 ± 0.024	5.407 ± 0.073	0.989 ± 0.010	5.466 ± 0.187	This Study
3029	317.986	0.8439	1.629 ± 0.022	4.830 ± 0.065	0.951 ± 0.006	5.079 ± 0.152	This Study
3039	319.187	0.8010	2.162 ± 0.029	6.729 ± 0.090	1.181 ± 0.008	5.697 ± 0.169	This Study
3059	321.587	0.8543	2.131 ± 0.028	6.205 ± 0.083	1.146 ± 0.012	5.416 ± 0.183	This Study
3069	322.787	0.8950	1.768 ± 0.025	4.898 ± 0.069	0.898 ± 0.013	5.454 ± 0.218	This Study
3079	323.987	0.9708	1.853 ± 0.025	4.769 ± 0.064	0.890 ± 0.005	5.358 ± 0.155	This Study
3089	325.187	0.7429	0.848 ± 0.013	2.848 ± 0.043	0.584 ± 0.011	4.882 ± 0.239	This Study
3099	326.387	0.9101	1.681 ± 0.023	4.559 ± 0.062	0.831 ± 0.022	5.485 ± 0.329	This Study
3109	327.587	0.8975	2.020 ± 0.027	5.575 ± 0.074	0.803 ± 0.016	6.947 ± 0.339	This Study
3119	328.787	0.7617	2.364 ± 0.031	7.731 ± 0.101	0.914 ± 0.021	8.460 ± 0.449	This Study
3129	329.985	0.6895	2.089 ± 0.028	7.565 ± 0.103	1.076 ± 0.032	7.029 ± 0.458	This Study
3139	331.166	0.7582	1.869 ± 0.025	6.159 ± 0.082	0.982 ± 0.009	6.272 ± 0.206	This Study
3149	332.347	0.7824	1.904 ± 0.026	6.066 ± 0.083	1.120 ± 0.009	5.416 ± 0.172	This Study
3159	333.527	0.9088	2.652 ± 0.035	7.260 ± 0.096	1.283 ± 0.006	5.660 ± 0.159	This Study
3169	334.708	0.8371	2.493 ± 0.033	7.429 ± 0.099	1.369 ± 0.008	5.428 ± 0.159	This Study
3179	335.889	0.8012	2.466 ± 0.032	7.826 ± 0.102	1.353 ± 0.029	5.783 ± 0.287	This Study
3189	337.069	0.8296	2.384 ± 0.032	7.187 ± 0.096	1.311 ± 0.014	5.482 ± 0.189	This Study
3199	338.250	0.6878	2.119 ± 0.028	7.624 ± 0.100	1.470 ± 0.003	5.187 ± 0.138	This Study
3209	339.431	0.8329	2.409 ± 0.031	7.251 ± 0.093	1.467 ± 0.010	4.943 ± 0.142	This Study
3219	340.612	0.8663	2.451 ± 0.033	7.189 ± 0.097	1.594 ± 0.014	4.510 ± 0.144	This Study
3229	341.792	0.8794	2.294 ± 0.030	6.490 ± 0.085	1.396 ± 0.001	4.650 ± 0.122	This Study
3239	342.973	0.8127	1.796 ± 0.025	5.525 ± 0.077	1.199 ± 0.020	4.607 ± 0.199	This Study
3249	344.154	0.9288	2.525 ± 0.034	6.525 ± 0.087	1.382 ± 0.008	4.722 ± 0.137	This Study
3259	345.335	0.7195	1.923 ± 0.025	6.771 ± 0.090	1.379 ± 0.012	4.910 ± 0.154	This Study
3269	346.515	0.7335	1.781 ± 0.024	6.098 ± 0.083	1.146 ± 0.012	5.319 ± 0.183	This Study
3279	347.696	0.7769	1.716 ± 0.023	5.546 ± 0.075	1.009 ± 0.019	5.497 ± 0.257	This Study
3289	348.877	0.7825	2.111 ± 0.028	6.762 ± 0.089	1.132 ± 0.024	5.972 ± 0.296	This Study
3299	350.057	0.8960	2.761 ± 0.036	7.774 ± 0.102	1.239 ± 0.006	6.277 ± 0.175	This Study

3309	351.238	0.9035	2.770 ± 0.036	7.694 ± 0.101	1.221 ± 0.042	6.304 ± 0.459	This Study
3319	352.419	0.8918	2.541 ± 0.033	7.129 ± 0.094	1.104 ± 0.013	6.457 ± 0.230	This Study
3329	353.600	0.8241	2.544 ± 0.035	7.743 ± 0.107	1.177 ± 0.001	6.579 ± 0.183	This Study
3339	354.780	0.8955	2.244 ± 0.030	6.334 ± 0.084	1.126 ± 0.009	5.624 ± 0.172	This Study
3349	355.961	0.8781	2.099 ± 0.028	6.044 ± 0.080	1.147 ± 0.009	5.270 ± 0.162	This Study
3359	357.142	0.8161	2.177 ± 0.029	6.789 ± 0.092	1.377 ± 0.014	4.929 ± 0.169	This Study
3369	358.323	0.7687	2.077 ± 0.028	6.845 ± 0.092	1.310 ± 0.013	5.224 ± 0.174	This Study
3379	359.503	0.9578	2.696 ± 0.035	7.063 ± 0.092	1.281 ± 0.005	5.515 ± 0.151	This Study
3389	360.684	0.9001	1.957 ± 0.026	5.493 ± 0.072	0.975 ± 0.006	5.635 ± 0.163	This Study
3399	361.865	0.8088	2.248 ± 0.032	7.052 ± 0.100	1.202 ± 0.004	5.867 ± 0.171	This Study
3409	363.046	0.8458	2.313 ± 0.034	6.983 ± 0.103	1.164 ± 0.026	6.000 ± 0.320	This Study
3419	364.226	0.8691	2.339 ± 0.030	6.755 ± 0.088	1.126 ± 0.007	6.000 ± 0.174	This Study
3429	365.407	0.7385	1.669 ± 0.022	5.825 ± 0.078	0.938 ± 0.011	6.209 ± 0.219	This Study
3439	366.588	0.8310	2.432 ± 0.032	7.295 ± 0.095	1.220 ± 0.004	5.982 ± 0.160	This Study
3449	367.768	0.9530	2.742 ± 0.037	7.288 ± 0.097	1.134 ± 0.023	6.425 ± 0.315	This Study
3459	368.949	0.8566	2.775 ± 0.036	8.166 ± 0.106	1.148 ± 0.019	7.116 ± 0.297	This Study
3469	370.130	0.8305	2.939 ± 0.038	9.086 ± 0.117	1.213 ± 0.004	7.492 ± 0.199	This Study
3479	371.311	0.7615	2.840 ± 0.037	9.480 ± 0.122	1.366 ± 0.034	6.939 ± 0.389	This Study
3489	372.491	0.7706	2.738 ± 0.036	8.946 ± 0.117	1.328 ± 0.030	6.735 ± 0.347	This Study
3499	373.672	0.8170	2.742 ± 0.036	8.476 ± 0.110	1.295 ± 0.017	6.545 ± 0.240	This Study
3509	374.853	0.7676	2.882 ± 0.038	9.704 ± 0.127	1.375 ± 0.022	7.055 ± 0.295	This Study
3519	376.034	0.7163	2.878 ± 0.037	10.302 ± 0.133	1.405 ± 0.017	7.330 ± 0.256	This Study
3529	377.214	0.5959	2.358 ± 0.032	10.217 ± 0.138	1.313 ± 0.030	7.781 ± 0.409	This Study
3539	378.395	0.6863	2.569 ± 0.034	9.608 ± 0.128	1.242 ± 0.002	7.738 ± 0.208	This Study
3549	379.576	0.8735	2.720 ± 0.035	7.951 ± 0.103	1.123 ± 0.022	7.079 ± 0.333	This Study
3559	380.756	0.7664	2.839 ± 0.038	9.642 ± 0.129	1.413 ± 0.028	6.823 ± 0.326	This Study
3569	381.937	0.7867	3.234 ± 0.042	10.620 ± 0.138	1.418 ± 0.015	7.491 ± 0.254	This Study
3579	383.118	0.7659	3.009 ± 0.040	10.149 ± 0.136	1.329 ± 0.007	7.637 ± 0.220	This Study
3589	384.299	0.6228	2.239 ± 0.032	9.310 ± 0.132	1.329 ± 0.015	7.007 ± 0.256	This Study
3599	385.479	0.8034	3.201 ± 0.043	10.175 ± 0.135	1.490 ± 0.019	6.828 ± 0.249	This Study
3609	386.660	0.6927	2.498 ± 0.033	9.378 ± 0.125	1.376 ± 0.007	6.817 ± 0.196	This Study
Mean ± std. Dev.			2.860 ± 0.801	8.576 ± 2.051	1.335 ± 0.255	6.490 ± 1.372	
Mean ± SDOM				8.576 ± 0.118	1.335 ± 0.015	6.490 ± 0.079	

Table S4. AMS measurements, authigenic ^{10}Be and ^{9}Be concentrations and authigenic $^{10}Be/^{9}Be$ ratios of core MD05-2930 samples.

Depth in core [cm]	Age Model [ka]	Sample weight [g]	Measured ($^{10}Be/^{9}Be$) $*10^{-11}$	Authigenic decay corrected $^{10}Be * 10^{8}$ [at.g^{-1}]	Authigenic $^{9}Be * 10^{16}$ [at.g^{-1}]	Authigenic $^{10}Be/^{9}Be * 10^{-8}$	Source
0	5.042	1.0004	3.167 ± 0.040	6.719 ± 0.085	1.641 ± 0.030	4.094 ± 0.180	This study
10	5.471	1.0002	3.089 ± 0.039	6.558 ± 0.082	1.733 ± 0.049	3.784 ± 0.234	This study
20	5.900	0.9998	2.955 ± 0.037	6.274 ± 0.079	1.554 ± 0.028	4.037 ± 0.176	This study
30	6.329	1.0049	3.008 ± 0.039	6.343 ± 0.082	1.642 ± 0.044	3.862 ± 0.230	This study
40	6.757	1.0028	3.056 ± 0.038	6.462 ± 0.081	1.728 ± 0.033	3.740 ± 0.170	This study
50	7.186	1.0016	2.791 ± 0.036	5.925 ± 0.077	1.519 ± 0.014	3.900 ± 0.125	This study
60	7.615	1.0065	2.748 ± 0.035	5.796 ± 0.074	1.695 ± 0.036	3.420 ± 0.168	This study
70	8.044	0.9988	2.547 ± 0.032	5.378 ± 0.068	1.616 ± 0.052	3.327 ± 0.231	This study
80	8.683	1.0053	2.298 ± 0.029	4.859 ± 0.062	1.560 ± 0.027	3.115 ± 0.135	This study
90	9.323	1.0013	2.165 ± 0.028	4.593 ± 0.059	1.646 ± 0.022	2.790 ± 0.104	This study
100	9.962	1.0024	2.461 ± 0.032	5.224 ± 0.068	1.823 ± 0.048	2.866 ± 0.167	This study
110	10.465	1.0005	2.718 ± 0.034	5.760 ± 0.072	1.954 ± 0.036	2.948 ± 0.131	This study
120	10.969	1.0011	2.738 ± 0.035	5.828 ± 0.075	1.966 ± 0.013	2.964 ± 0.085	This study
130	11.472	1.0035	2.973 ± 0.037	6.305 ± 0.079	1.982 ± 0.057	3.182 ± 0.199	This study
140	11.976	1.0029	2.748 ± 0.036	5.845 ± 0.076	1.894 ± 0.040	3.086 ± 0.154	This study
150	12.479	1.0015	2.781 ± 0.035	5.934 ± 0.075	2.191 ± 0.020	2.709 ± 0.085	This study
160	14.006	0.9997	3.109 ± 0.040	6.651 ± 0.085	1.927 ± 0.008	3.452 ± 0.092	This study
170	16.387	1.0054	3.283 ± 0.043	6.977 ± 0.092	1.967 ± 0.007	3.547 ± 0.097	This study
180	17.369	1.0007	3.377 ± 0.043	7.239 ± 0.092	1.931 ± 0.019	3.748 ± 0.121	This study
190	18.358	1.0047	3.539 ± 0.046	7.537 ± 0.097	1.897 ± 0.015	3.972 ± 0.119	This study
200	19.348	1.0012	3.441 ± 0.043	7.348 ± 0.092	2.101 ± 0.039	3.498 ± 0.156	This study
210	21.016	1.0034	3.570 ± 0.044	7.639 ± 0.095	1.890 ± 0.015	4.042 ± 0.118	This study
215	21.849	1.0009	3.820 ± 0.061	8.067 ± 0.130	2.255 ± 0.058	3.577 ± 0.216	This study
220	22.683	1.0019	3.908 ± 0.063	8.184 ± 0.131	2.282 ± 0.041	3.586 ± 0.172	This study
225	23.485	1.0028	3.868 ± 0.062	8.193 ± 0.132	2.188 ± 0.039	3.745 ± 0.180	This study
230	24.287	1.0022	3.991 ± 0.050	8.464 ± 0.105	1.935 ± 0.037	4.374 ± 0.199	This study
240	25.891	1.0032	3.987 ± 0.050	8.453 ± 0.106	1.981 ± 0.049	4.268 ± 0.236	This study
250	27.495	1.0007	3.979 ± 0.050	8.525 ± 0.107	1.766 ± 0.074	4.827 ± 0.424	This study
260	29.099	1.0039	3.973 ± 0.050	8.452 ± 0.106	1.899 ± 0.047	4.450 ± 0.249	This study
270	30.703	1.0054	3.728 ± 0.047	7.934 ± 0.100	1.870 ± 0.012	4.243 ± 0.119	This study
280	32.307	1.0038	3.500 ± 0.044	7.453 ± 0.094	1.837 ± 0.036	4.058 ± 0.191	This study
290	33.706	1.0046	3.422 ± 0.043	7.260 ± 0.091	1.904 ± 0.032	3.813 ± 0.160	This study
300	35.105	1.0021	3.439 ± 0.044	7.409 ± 0.094	2.044 ± 0.027	3.625 ± 0.133	This study
310	36.504	1.0026	3.601 ± 0.046	7.770 ± 0.100	2.095 ± 0.059	3.709 ± 0.230	This study
320	37.902	1.0038	4.035 ± 0.051	8.797 ± 0.110	2.246 ± 0.041	3.917 ± 0.173	This study
325	38.602	1.0039	4.422 ± 0.070	9.439 ± 0.149	2.397 ± 0.067	3.938 ± 0.253	This study
330	39.301	1.0030	4.493 ± 0.056	9.735 ± 0.121	2.209 ± 0.029	4.407 ± 0.159	This study
335	40.001	1.0025	4.950 ± 0.077	10.617 ± 0.166	2.283 ± 0.029	4.651 ± 0.186	This study
340	40.700	1.0009	5.222 ± 0.065	11.223 ± 0.139	2.023 ± 0.059	5.549 ± 0.352	This study
345	41.548	1.0054	5.554 ± 0.069	11.970 ± 0.149	2.305 ± 0.054	5.193 ± 0.278	This study
350	42.395	1.0014	4.425 ± 0.056	9.560 ± 0.121	2.066 ± 0.026	4.627 ± 0.165	This study
355	43.243	1.0011	3.787 ± 0.048	8.139 ± 0.103	2.099 ± 0.026	3.878 ± 0.138	This study
360	44.090	1.0014	3.370 ± 0.042	7.279 ± 0.092	2.096 ± 0.022	3.474 ± 0.113	This study
365	44.938	1.0027	3.221 ± 0.041	6.894 ± 0.087	2.099 ± 0.055	3.284 ± 0.191	This study
370	45.785	1.0005	2.940 ± 0.037	6.369 ± 0.081	2.594 ± 0.033	2.456 ± 0.088	This study
375	46.633	1.0030	2.766 ± 0.035	5.911 ± 0.075	2.247 ± 0.051	2.631 ± 0.136	This study
380	47.480	1.0005	2.426 ± 0.031	5.241 ± 0.067	2.084 ± 0.061	2.515 ± 0.161	This study
390	49.176	1.0034	2.717 ± 0.034	5.796 ± 0.074	2.187 ± 0.055	2.650 ± 0.149	This study
400	50.871	1.0007	2.339 ± 0.030	5.066 ± 0.065	1.802 ± 0.069	2.811 ± 0.228	This study
410	52.566	1.0009	2.447 ± 0.032	5.272 ± 0.068	1.895 ± 0.039	2.781 ± 0.136	This study
420	54.261	1.0007	2.283 ± 0.029	4.967 ± 0.064	1.874 ± 0.026	2.650 ± 0.099	This study
430	55.956	1.0037	2.736 ± 0.035	5.890 ± 0.075	1.886 ± 0.037	3.123 ± 0.146	This study
440	57.651	1.0023	2.953 ± 0.038	6.374 ± 0.082	1.759 ± 0.025	3.623 ± 0.138	This study
450	59.346	1.0008	3.173 ± 0.041	6.840 ± 0.088	1.790 ± 0.038	3.822 ± 0.188	This study
460	61.041	1.0015	3.571 ± 0.046	7.692 ± 0.099	1.835 ± 0.018	4.192 ± 0.136	This study
470	62.736	1.0057	3.840 ± 0.048	8.292 ± 0.104	1.809 ± 0.056	4.583 ± 0.304	This study
480	64.432	1.0046	4.311 ± 0.054	9.278 ± 0.117	1.858 ± 0.072	4.993 ± 0.407	This study
485	65.279	1.0019	4.280 ± 0.068	9.238 ± 0.147	2.206 ± 0.065	4.188 ± 0.279	This study
490	66.127	1.0044	4.110 ± 0.052	8.869 ± 0.112	2.090 ± 0.024	4.244 ± 0.145	This study
500	67.822	1.0019	3.532 ± 0.047	7.726 ± 0.102	2.119 ± 0.013	3.646 ± 0.106	This study
510	69.517	1.0048	3.489 ± 0.045	7.573 ± 0.097	2.061 ± 0.042	3.675 ± 0.175	This study
520	71.212	1.0026	3.155 ± 0.040	6.827 ± 0.086	2.024 ± 0.011	3.373 ± 0.093	This study
530	72.907	1.0007	2.257 ± 0.030	4.890 ± 0.064	1.901 ± 0.030	2.572 ± 0.106	This study
540	74.602	1.0034	2.016 ± 0.026	4.374 ± 0.056	1.713 ± 0.040	2.553 ± 0.137	This study
550	76.297	1.0028	2.715 ± 0.035	5.889 ± 0.075	1.996 ± 0.040	2.950 ± 0.141	This study
560	77.992	1.0036	2.734 ± 0.036	5.924 ± 0.078	1.990 ± 0.035	2.977 ± 0.131	This study
570	79.687	1.0043	2.786 ± 0.037	6.062 ± 0.080	1.981 ± 0.070	3.060 ± 0.230	This study
580	81.383	0.9994	2.597 ± 0.033	5.659 ± 0.073	1.762 ± 0.036	3.211 ± 0.154	This study
590	83.078	1.0012	2.726 ± 0.037	5.940 ± 0.080	1.788 ± 0.011	3.321 ± 0.098	This study
600	84.773	0.9991	2.880 ± 0.037	6.356 ± 0.081	1.940 ± 0.049	3.276 ± 0.185	This study
610	86.468	1.0046	3.170 ± 0.040	6.969 ± 0.089	2.149 ± 0.034	3.243 ± 0.132	This study
620	88.163	1.0039	3.031 ± 0.038	6.656 ± 0.084	2.380 ± 0.068	2.797 ± 0.175	This study
630	89.858	1.0034	2.779 ± 0.036	6.100 ± 0.078	2.406 ± 0.025	2.536 ± 0.083	This study
640	91.553	1.0037	2.974 ± 0.038	6.578 ± 0.083	2.318 ± 0.035	2.838 ± 0.112	This study
650	93.248	1.0007	3.227 ± 0.041	7.117 ± 0.090	2.180 ± 0.029	3.265 ± 0.119	This study
660	94.943	1.0035	3.384 ± 0.044	7.470 ± 0.096	2.202 ± 0.010	3.393 ± 0.092	This study
670	96.639	1.0021	3.531 ± 0.045	7.822 ± 0.099	2.123 ± 0.014	3.683 ± 0.106	This study
680	98.334	1.0037	3.777 ± 0.048	8.359 ± 0.106	2.109 ± 0.017	3.963 ± 0.120	This study
690	100.029	1.0034	3.761 ± 0.047	8.307 ± 0.105	2.103 ± 0.022	3.950 ± 0.130	This study
700	101.724	1.0026	3.491 ± 0.044	7.732 ± 0.098	2.061 ± 0.006	3.752 ± 0.098	This study
710	103.419	1.0021	3.337 ± 0.042	7.384 ± 0.093	1.933 ± 0.084	3.821 ± 0.344	This study
720	105.114	1.0028	3.268 ± 0.042	7.206 ± 0.092	2.083 ± 0.086	3.460 ± 0.298	This study
730	106.809	1.0043	3.320 ± 0.042	7.343 ± 0.092	2.058 ± 0.034	3.567 ± 0.148	This study
740	108.504	0.9999	3.261 ± 0.041	7.246 ± 0.092	2.129 ± 0.025	3.404 ± 0.117	This study
750	110.199	1.0037	3.246 ± 0.041	7.207 ± 0.091	2.313 ± 0.032	3.116 ± 0.117	This study
760	111.895	1.0014	3.634 ± 0.046	8.022 ± 0.102	2.301 ± 0.032	3.486 ± 0.131	This study
770	113.590	1.0020	4.257 ± 0.053	9.623 ± 0.120	2.247 ± 0.036	4.282 ± 0.173	This study
780	115.285	1.0043	4.070 ± 0.051	9.051 ± 0.113	1.915 ± 0.019	4.727 ± 0.152	This study
790	118.630	1.0034	4.044 ± 0.051	9.017 ± 0.114	1.854 ± 0.012	4.863 ± 0.139	This study
800	122.320	1.0012	3.207 ± 0.041	7.184 ± 0.091	1.661 ± 0.012	4.324 ± 0.125	This study
810	124.491	1.0001	2.854 ± 0.036	6.405 ± 0.081	1.664 ± 0.004	3.849 ± 0.100	This study
820	126.445	0.9997	2.896 ± 0.038	6.264 ± 0.082	1.580 ± 0.012	3.963 ± 0.120	This study
830	128.399	1.0045	3.077 ± 0.040	6.843 ± 0.089	1.638 ± 0.029	4.178 ± 0.183	This study
840	130.353	1.0040	2.966 ± 0.038	6.637 ± 0.085	1.702 ± 0.011	3.899 ± 0.111	This study
850	132.590	1.0013	3.095 ± 0.039	6.934 ± 0.087	1.456 ± 0.009	4.764 ± 0.135	This study
855	134.241	1.0056	3.322 ± 0.054	7.381 ± 0.120	1.920 ± 0.025	3.844 ± 0.161	This study
860	135.892	1.0006	3.006 ± 0.040	6.752 ± 0.089	1.784 ± 0.035	3.784 ± 0.179	This study
870	139.193	1.0033	2.838 ± 0.036	6.313 ± 0.079	2.073 ± 0.035	3.045 ± 0.128	This study
880	142.494	1.0018	2.553 ± 0.032	5.817 ± 0.074	2.012 ± 0.024	2.891 ± 0.101	This study
890	145.796	1.0033	2.294 ± 0.030	5.190 ± 0.067	1.854 ± 0.037	2.799 ± 0.133	This study
900	149.097	1.0002	2.855 ± 0.036	6.492 ± 0.082	1.925 ± 0.030	3.373 ± 0.134	This study
910	152.398	0.9999	3.346 ± 0.042	7.601 ± 0.095	1.702 ± 0.059	4.466 ± 0.331	This study
920	155.699	1.0008	3.117 ± 0.039	7.088 ± 0.090	1.715 ± 0.046	4.134 ± 0.245	This study
930	159.001	1.0004	3.392 ± 0.042	7.696 ± 0.096	1.879 ± 0.049	4.095 ± 0.236	This study

940	162.302	1.0006	3.010 ± 0.038	6.864 ± 0.086	1.880 ± 0.018	3.651 ± 0.115	This study
950	165.603	1.0002	3.005 ± 0.038	6.845 ± 0.086	1.983 ± 0.032	3.453 ± 0.141	This study
960	168.905	1.0016	2.585 ± 0.033	5.901 ± 0.076	2.173 ± 0.042	2.715 ± 0.126	This study
970	172.206	1.0010	2.678 ± 0.035	6.118 ± 0.079	2.059 ± 0.035	2.971 ± 0.128	This study
980	174.888	1.0023	2.679 ± 0.034	6.119 ± 0.078	1.843 ± 0.011	3.320 ± 0.093	This study
990	176.485	1.0012	2.376 ± 0.030	5.475 ± 0.070	1.534 ± 0.009	3.568 ± 0.100	This study
1000	178.081	1.0017	2.827 ± 0.046	6.482 ± 0.105	1.943 ± 0.025	3.336 ± 0.139	This study
1010	179.677	1.0020	3.254 ± 0.053	7.435 ± 0.120	1.967 ± 0.053	3.780 ± 0.239	This study
1020	181.274	1.0041	3.837 ± 0.062	8.771 ± 0.142	1.835 ± 0.054	4.780 ± 0.319	This study
1030	182.870	1.0024	4.655 ± 0.076	10.688 ± 0.175	1.994 ± 0.012	5.361 ± 0.186	This study
1040	184.466	1.0033	4.739 ± 0.076	10.885 ± 0.175	2.183 ± 0.003	4.985 ± 0.160	This study
1050	186.063	1.0028	4.588 ± 0.073	10.535 ± 0.169	2.499 ± 0.058	4.215 ± 0.237	This study
1060	187.659	1.0020	3.925 ± 0.063	9.022 ± 0.145	2.206 ± 0.013	4.090 ± 0.141	This study
1070	189.255	1.0028	4.298 ± 0.069	9.900 ± 0.158	2.229 ± 0.005	4.441 ± 0.143	This study
1080	190.852	1.0022	3.820 ± 0.062	8.829 ± 0.143	2.009 ± 0.037	4.394 ± 0.214	This study
1090	195.600	1.0006	3.213 ± 0.052	7.442 ± 0.120	1.849 ± 0.014	4.025 ± 0.144	This study
1100	200.371	1.0005	2.757 ± 0.045	6.447 ± 0.106	1.847 ± 0.049	3.492 ± 0.217	This study
1110	202.829	1.0009	2.716 ± 0.044	6.301 ± 0.102	1.905 ± 0.039	3.308 ± 0.174	This study
1120	205.204	1.0020	2.999 ± 0.049	6.968 ± 0.113	2.129 ± 0.011	3.272 ± 0.111	This study
1130	207.578	1.0012	3.275 ± 0.053	7.648 ± 0.123	2.169 ± 0.013	3.526 ± 0.121	This study
1140	209.953	1.0035	3.489 ± 0.056	8.128 ± 0.132	1.977 ± 0.013	4.112 ± 0.144	This study
1150	212.327	1.0008	3.107 ± 0.050	7.226 ± 0.117	1.722 ± 0.015	4.196 ± 0.154	This study
1160	214.702	1.0036	2.800 ± 0.045	6.522 ± 0.105	1.560 ± 0.025	4.181 ± 0.191	This study
1170	217.076	1.0005	2.551 ± 0.041	5.966 ± 0.096	1.347 ± 0.050	4.430 ± 0.359	This study
1180	219.441	1.0032	3.044 ± 0.049	7.119 ± 0.115	1.923 ± 0.022	3.701 ± 0.147	This study
1190	221.500	1.0044	3.127 ± 0.051	7.309 ± 0.119	1.940 ± 0.019	3.768 ± 0.143	This study
1200	223.560	1.0044	2.602 ± 0.043	6.086 ± 0.100	2.015 ± 0.032	3.021 ± 0.138	This study
1210	225.620	1.0045	2.550 ± 0.042	5.962 ± 0.098	2.338 ± 0.043	2.550 ± 0.125	This study
1220	227.679	1.0006	2.369 ± 0.039	5.569 ± 0.091	1.940 ± 0.037	2.871 ± 0.145	This study
1230	229.739	1.0023	2.766 ± 0.045	6.477 ± 0.106	1.935 ± 0.025	3.347 ± 0.140	This study
1240	231.798	1.0022	2.808 ± 0.046	6.586 ± 0.107	1.690 ± 0.026	3.897 ± 0.173	This study
1250	233.858	1.0014	2.575 ± 0.042	6.072 ± 0.100	1.696 ± 0.015	3.581 ± 0.135	This study
1260	238.037	1.0047	2.416 ± 0.039	5.658 ± 0.092	1.841 ± 0.032	3.073 ± 0.147	This study
1270	242.335	1.0034	1.981 ± 0.032	4.686 ± 0.077	1.574 ± 0.024	2.977 ± 0.134	This study
1280	245.186	1.0059	2.107 ± 0.035	4.924 ± 0.081	1.753 ± 0.018	2.810 ± 0.108	This study
1290	247.342	1.0057	1.245 ± 0.021	2.928 ± 0.049	1.138 ± 0.052	2.572 ± 0.249	This study
1300	249.498	1.0045	2.076 ± 0.034	4.928 ± 0.082	2.072 ± 0.039	2.378 ± 0.119	This study
1310	251.654	1.0020	2.336 ± 0.038	5.508 ± 0.090	2.197 ± 0.016	2.507 ± 0.090	This study
1320	253.810	1.0037	2.923 ± 0.047	6.960 ± 0.113	2.014 ± 0.020	3.456 ± 0.132	This study
1330	255.966	1.0025	3.277 ± 0.053	7.797 ± 0.125	1.778 ± 0.035	4.385 ± 0.221	This study
1340	258.123	0.9997	2.950 ± 0.048	7.066 ± 0.114	1.611 ± 0.029	4.386 ± 0.212	This study
1350	260.279	1.0028	2.216 ± 0.036	5.292 ± 0.087	1.366 ± 0.027	3.874 ± 0.197	This study
1360	262.435	1.0002	2.578 ± 0.042	6.163 ± 0.101	1.575 ± 0.026	3.912 ± 0.183	This study
1370	264.591	1.0017	2.605 ± 0.042	6.241 ± 0.101	1.711 ± 0.065	3.649 ± 0.300	This study
1380	266.747	1.0016	2.463 ± 0.041	5.924 ± 0.098	1.706 ± 0.008	3.472 ± 0.119	This study
1390	268.904	1.0025	3.101 ± 0.050	7.414 ± 0.121	2.130 ± 0.016	3.480 ± 0.124	This study
1400.5	271.060	1.0296	2.984 ± 0.042	6.688 ± 0.095	2.106 ± 0.043	3.175 ± 0.158	Ménabréaz et al. (2014)[a]
1410	273.216	1.0041	2.942 ± 0.048	7.104 ± 0.115	2.253 ± 0.018	3.153 ± 0.114	This study
1420	275.372	0.9997	2.898 ± 0.048	6.907 ± 0.113	2.280 ± 0.034	3.029 ± 0.134	This study
1430	277.528	1.0003	2.696 ± 0.044	6.519 ± 0.107	2.207 ± 0.032	2.953 ± 0.129	This study
1440	279.685	1.0018	2.489 ± 0.041	6.007 ± 0.098	2.135 ± 0.017	2.813 ± 0.102	This study
1450.5	281.841	0.9323	2.781 ± 0.020	6.956 ± 0.051	2.066 ± 0.028	3.367 ± 0.103	Ménabréaz et al. (2014)[a]
1460	283.997	1.0013	2.988 ± 0.049	7.226 ± 0.118	1.945 ± 0.027	3.715 ± 0.158	This study
1470.5	286.201	0.9020	2.865 ± 0.029	7.866 ± 0.079	1.868 ± 0.041	4.211 ± 0.205	Ménabréaz et al. (2014)[a]
1480	288.409	1.0026	2.820 ± 0.046	6.801 ± 0.110	1.894 ± 0.027	3.592 ± 0.154	This study
1490.5	290.617	1.0159	2.877 ± 0.044	6.796 ± 0.103	2.037 ± 0.090	3.336 ± 0.311	Ménabréaz et al. (2014)[a]
1500.5	292.825	0.8079	2.517 ± 0.019	7.509 ± 0.056	2.230 ± 0.008	3.367 ± 0.055	Ménabréaz et al. (2014)[a]
1510.5	295.033	1.0019	3.055 ± 0.023	7.372 ± 0.056	2.132 ± 0.033	3.457 ± 0.118	Ménabréaz et al. (2014)[a]
1520.5	297.241	0.9454	2.448 ± 0.039	6.215 ± 0.098	2.167 ± 0.134	2.868 ± 0.366	Ménabréaz et al. (2014)[a]
1530.5	299.449	1.0985	2.571 ± 0.019	5.605 ± 0.041	2.135 ± 0.017	2.626 ± 0.057	Ménabréaz et al. (2014)[a]
1540.5	301.657	0.9840	1.950 ± 0.019	4.839 ± 0.047	1.777 ± 0.015	2.723 ± 0.071	Ménabréaz et al. (2014)[a]
1550.5	303.865	1.0508	2.263 ± 0.039	5.203 ± 0.091	2.284 ± 0.048	2.278 ± 0.124	Ménabréaz et al. (2014)[a]
1560.5	306.073	0.9213	2.476 ± 0.024	6.410 ± 0.061	2.584 ± 0.021	2.480 ± 0.062	Ménabréaz et al. (2014)[a]
1570.5	308.282	1.0980	3.174 ± 0.022	6.597 ± 0.045	1.955 ± 0.034	3.374 ± 0.127	Ménabréaz et al. (2014)[a]
1580.5	310.490	1.0164	2.722 ± 0.042	6.473 ± 0.101	1.867 ± 0.031	3.466 ± 0.157	Ménabréaz et al. (2014)[a]
1590.5	312.698	1.0251	3.041 ± 0.021	7.162 ± 0.049	2.002 ± 0.034	3.577 ± 0.132	Ménabréaz et al. (2014)[a]
1600.5	314.906	0.8491	2.170 ± 0.015	6.256 ± 0.044	1.824 ± 0.059	3.431 ± 0.227	Ménabréaz et al. (2014)[a]
1610.5	317.114	0.8821	2.166 ± 0.032	6.020 ± 0.090	2.056 ± 0.074	2.928 ± 0.228	Ménabréaz et al. (2014)[a]
1620.5	319.322	0.5403	1.408 ± 0.013	6.464 ± 0.059	1.736 ± 0.033	3.722 ± 0.157	Ménabréaz et al. (2014)[a]
1630.5	321.530	1.0414	2.874 ± 0.021	6.768 ± 0.050	2.178 ± 0.051	3.107 ± 0.153	Ménabréaz et al. (2014)[a]
1640.5	323.738	0.7611	1.978 ± 0.054	6.356 ± 0.174	1.946 ± 0.069	3.266 ± 0.292	Ménabréaz et al. (2014)[a]
1650.5	325.946	0.7483	1.969 ± 0.015	6.411 ± 0.049	1.806 ± 0.035	3.549 ± 0.148	Ménabréaz et al. (2014)[a]
1660.5	328.222	0.7420	1.942 ± 0.018	6.339 ± 0.060	1.833 ± 0.027	3.459 ± 0.121	Ménabréaz et al. (2014)[a]
1670.5	330.804	0.9664	1.940 ± 0.054	4.911 ± 0.136	2.121 ± 0.054	2.315 ± 0.174	Ménabréaz et al. (2014)[a]
1680.5	333.386	0.6988	1.281 ± 0.014	4.495 ± 0.048	2.129 ± 0.029	2.111 ± 0.073	Ménabréaz et al. (2014)[a]
1690.5	335.968	0.8916	1.767 ± 0.014	4.822 ± 0.038	2.104 ± 0.026	2.292 ± 0.067	Ménabréaz et al. (2014)[a]
1700.5	338.550	0.9132	1.994 ± 0.073	5.327 ± 0.196	2.175 ± 0.050	2.449 ± 0.212	Ménabréaz et al. (2014)[a]
1710.5	341.132	1.0284	2.040 ± 0.020	4.871 ± 0.048	1.788 ± 0.027	2.725 ± 0.098	Ménabréaz et al. (2014)[a]
1720.5	343.714	0.6708	1.068 ± 0.014	3.797 ± 0.051	1.394 ± 0.041	2.725 ± 0.178	Ménabréaz et al. (2014)[a]
1730.5	346.296	0.8862	1.547 ± 0.073	4.278 ± 0.201	2.034 ± 0.036	2.103 ± 0.211	Ménabréaz et al. (2014)[a]
1740.5	348.878	1.1241	2.418 ± 0.016	5.035 ± 0.034	1.622 ± 0.041	3.103 ± 0.163	Ménabréaz et al. (2014)[a]
1750.5	351.460	1.0234	2.288 ± 0.019	5.532 ± 0.046	1.626 ± 0.042	3.403 ± 0.183	Ménabréaz et al. (2014)[a]
1760.5	354.042	1.0153	2.528 ± 0.058	6.104 ± 0.139	1.934 ± 0.065	3.156 ± 0.256	Ménabréaz et al. (2014)[a]
1770.5	356.624	1.2795	3.281 ± 0.020	6.345 ± 0.039	1.970 ± 0.010	3.221 ± 0.051	Ménabréaz et al. (2014)[a]
1780.5	359.206	1.1216	2.714 ± 0.022	6.011 ± 0.048	1.739 ± 0.006	3.456 ± 0.059	Ménabréaz et al. (2014)[a]
1790.5	361.788	0.8125	1.828 ± 0.060	5.559 ± 0.183	2.043 ± 0.020	2.721 ± 0.187	Ménabréaz et al. (2014)[a]
1800.5	364.371	0.7668	1.819 ± 0.016	5.974 ± 0.052	2.067 ± 0.058	2.890 ± 0.170	Ménabréaz et al. (2014)[a]
1810.5	366.953	0.9843	2.512 ± 0.015	6.321 ± 0.037	1.656 ± 0.031	3.818 ± 0.150	Ménabréaz et al. (2014)[a]
1820.5	369.535	1.0010	2.585 ± 0.045	6.428 ± 0.113	2.167 ± 0.062	2.966 ± 0.198	Ménabréaz et al. (2014)[a]
1830.5	372.117	1.1498	3.252 ± 0.021	6.976 ± 0.044	1.905 ± 0.030	3.662 ± 0.126	Ménabréaz et al. (2014)[a]
1840.5	374.699	1.2482	3.451 ± 0.021	6.857 ± 0.041	2.098 ± 0.037	3.269 ± 0.121	Ménabréaz et al. (2014)[a]
1850.5	377.281	1.1108	3.185 ± 0.050	7.138 ± 0.112	2.186 ± 0.056	3.265 ± 0.196	Ménabréaz et al. (2014)[a]
1860.5	379.863	1.1880	3.482 ± 0.021	7.282 ± 0.045	1.949 ± 0.033	3.736 ± 0.134	Ménabréaz et al. (2014)[a]
1870.5	382.445	1.3018	3.401 ± 0.028	6.485 ± 0.053	2.209 ± 0.043	2.936 ± 0.123	Ménabréaz et al. (2014)[a]
1880.5	385.027	0.9200	2.460 ± 0.042	6.709 ± 0.115	2.792 ± 0.026	2.403 ± 0.093	Ménabréaz et al. (2014)[a]
1890.5	387.609	0.8584	2.091 ± 0.018	6.106 ± 0.052	2.022 ± 0.020	3.020 ± 0.079	Ménabréaz et al. (2014)[a]
1900.5	390.191	1.1318	3.292 ± 0.020	7.311 ± 0.044	2.400 ± 0.089	3.046 ± 0.229	Ménabréaz et al. (2014)[a]
1910.5	392.773	0.9499	2.579 ± 0.054	6.834 ± 0.143	2.203 ± 0.075	3.103 ± 0.248	Ménabréaz et al. (2014)[a]
1920.5	395.355	0.7947	2.111 ± 0.017	6.714 ± 0.053	1.861 ± 0.050	3.607 ± 0.201	Ménabréaz et al. (2014)[a]
1930.5	397.937	0.9000	2.308 ± 0.019	6.425 ± 0.054	1.817 ± 0.039	3.537 ± 0.164	Ménabréaz et al. (2014)[a]

1940.5	400.519	1.0228	2.347 ± 0.042	5.781 ± 0.104	1.587 ± 0.000	3.643 ± 0.132	Ménabréaz et al. (2014)[a]
1950.5	403.101	0.9853	2.600 ± 0.017	6.604 ± 0.043	1.656 ± 0.047	3.988 ± 0.232	Ménabréaz et al. (2014)[a]
1960.5	405.683	0.8246	2.275 ± 0.017	6.888 ± 0.051	1.645 ± 0.053	4.187 ± 0.277	Ménabréaz et al. (2014)[a]
1970.5	408.968	0.9889	2.691 ± 0.056	6.886 ± 0.145	2.035 ± 0.021	3.384 ± 0.158	Ménabréaz et al. (2014)[a]
1980.5	412.259	0.9880	2.683 ± 0.017	6.923 ± 0.044	1.695 ± 0.052	4.085 ± 0.256	Ménabréaz et al. (2014)[a]
1990.5	415.550	1.2133	2.849 ± 0.018	5.898 ± 0.038	2.031 ± 0.049	2.904 ± 0.144	Ménabréaz et al. (2014)[a]
2000.5	418.841	1.0523	2.169 ± 0.025	5.228 ± 0.061	1.888 ± 0.051	2.769 ± 0.164	Ménabréaz et al. (2014)[a]
2010.5	422.132	1.2537	2.547 ± 0.017	5.159 ± 0.035	1.852 ± 0.051	2.785 ± 0.157	Ménabréaz et al. (2014)[a]
2020.5	425.422	1.2282	2.468 ± 0.017	5.116 ± 0.035	1.806 ± 0.057	2.833 ± 0.183	Ménabréaz et al. (2014)[a]
2030	428.713	0.6118	1.139 ± 0.019	4.876 ± 0.080	1.853 ± 0.066	2.631 ± 0.206	This study
2040.5	432.004	1.0555	2.464 ± 0.021	6.005 ± 0.052	1.672 ± 0.015	3.592 ± 0.090	Ménabréaz et al. (2014)[a]
2050.5	434.395	1.1575	3.197 ± 0.021	7.082 ± 0.046	1.978 ± 0.087	3.581 ± 0.317	Ménabréaz et al. (2014)[a]
2060.5	436.505	1.0609	3.049 ± 0.028	7.297 ± 0.068	2.034 ± 0.036	3.588 ± 0.144	Ménabréaz et al. (2014)[a]
2070.5	438.615	1.2026	3.401 ± 0.025	7.265 ± 0.054	1.966 ± 0.089	3.696 ± 0.337	Ménabréaz et al. (2014)[a]
2080.5	440.724	1.0245	2.034 ± 0.018	5.129 ± 0.044	1.714 ± 0.029	2.993 ± 0.113	Ménabréaz et al. (2014)[a]
2090.5	442.834	0.6196	1.137 ± 0.022	4.748 ± 0.091	1.679 ± 0.048	2.828 ± 0.196	Ménabréaz et al. (2014)[a]
2100.5	444.944	1.0680	2.334 ± 0.022	5.639 ± 0.052	1.600 ± 0.071	3.524 ± 0.320	Ménabréaz et al. (2014)[a]
2110.5	447.054	1.0745	2.901 ± 0.019	6.939 ± 0.044	1.780 ± 0.011	3.898 ± 0.070	Ménabréaz et al. (2014)[a]
2120.5	449.164	1.2064	3.462 ± 0.039	7.407 ± 0.083	2.078 ± 0.018	3.564 ± 0.100	Ménabréaz et al. (2014)[a]
2130.5	451.274	1.1756	3.052 ± 0.023	6.724 ± 0.051	1.870 ± 0.019	3.595 ± 0.092	Ménabréaz et al. (2014)[a]
2140.5	453.384	0.9500	2.356 ± 0.019	6.449 ± 0.051	1.898 ± 0.009	3.399 ± 0.063	Ménabréaz et al. (2014)[a]
2150.5	455.494	0.9855	1.594 ± 0.027	4.209 ± 0.071	2.126 ± 0.034	1.980 ± 0.092	Ménabréaz et al. (2014)[a]
2160.5	457.604	0.9105	1.906 ± 0.015	5.335 ± 0.042	2.113 ± 0.027	2.525 ± 0.076	Ménabréaz et al. (2014)[a]
2170	459.713	1.0039	1.992 ± 0.032	5.295 ± 0.085	2.097 ± 0.039	2.525 ± 0.124	This study
2180.5	461.823	0.7950	2.257 ± 0.024	7.400 ± 0.079	2.773 ± 0.053	2.668 ± 0.117	Ménabréaz et al. (2014)[a]
2190.5	463.933	0.8594	1.824 ± 0.013	5.600 ± 0.041	2.823 ± 0.024	1.984 ± 0.044	Ménabréaz et al. (2014)[a]
2200.5	466.043	1.0932	2.737 ± 0.018	6.513 ± 0.042	2.722 ± 0.059	2.393 ± 0.107	Ménabréaz et al. (2014)[a]
2210.5	468.153	0.9867	2.593 ± 0.021	6.835 ± 0.054	2.994 ± 0.024	2.283 ± 0.052	Ménabréaz et al. (2014)[a]
2220.5	470.263	1.2086	3.001 ± 0.023	6.568 ± 0.051	2.390 ± 0.035	2.748 ± 0.092	Ménabréaz et al. (2014)[a]
2230.5	472.373	1.0603	2.588 ± 0.020	6.493 ± 0.049	2.787 ± 0.055	2.330 ± 0.098	Ménabréaz et al. (2014)[a]
2240.5	474.483	1.1068	2.428 ± 0.036	5.743 ± 0.085	2.801 ± 0.066	2.050 ± 0.114	Ménabréaz et al. (2014)[a]
2250.5	476.593	1.1614	2.252 ± 0.016	5.116 ± 0.037	2.400 ± 0.025	2.132 ± 0.054	Ménabréaz et al. (2014)[a]
2260.5	478.702	0.8898	1.801 ± 0.032	5.302 ± 0.095	2.740 ± 0.034	1.935 ± 0.084	Ménabréaz et al. (2014)[a]
2270.5	480.812	0.8478	1.295 ± 0.023	4.017 ± 0.071	2.868 ± 0.085	1.401 ± 0.097	Ménabréaz et al. (2014)[a]
2280.5	482.922	0.8557	0.664 ± 0.008	2.082 ± 0.025	1.480 ± 0.004	1.406 ± 0.035	Ménabréaz et al. (2014)[a]
2290.5	485.032	1.0118	1.867 ± 0.021	4.950 ± 0.055	2.528 ± 0.056	1.958 ± 0.097	Ménabréaz et al. (2014)[a]
2300.5	487.142	1.0389	1.948 ± 0.036	4.924 ± 0.092	1.749 ± 0.025	2.816 ± 0.131	Ménabréaz et al. (2014)[a]
2310.5	489.252	1.0461	2.215 ± 0.015	5.728 ± 0.040	1.862 ± 0.008	3.076 ± 0.050	Ménabréaz et al. (2014)[a]
2320.5	491.349	0.9639	2.416 ± 0.017	6.708 ± 0.049	2.043 ± 0.040	3.284 ± 0.137	Ménabréaz et al. (2014)[a]
2330.5	493.413	1.1602	3.052 ± 0.042	6.946 ± 0.097	2.431 ± 0.009	2.858 ± 0.082	Ménabréaz et al. (2014)[a]
2340.5	495.478	1.1161	2.864 ± 0.022	6.924 ± 0.054	2.217 ± 0.037	3.123 ± 0.116	Ménabréaz et al. (2014)[a]
2350.5	497.542	1.1432	2.920 ± 0.028	6.854 ± 0.066	2.179 ± 0.021	3.146 ± 0.085	Ménabréaz et al. (2014)[a]
2360.5	499.606	0.8738	2.059 ± 0.040	6.263 ± 0.120	2.342 ± 0.104	2.674 ± 0.259	Ménabréaz et al. (2014)[a]
2370.5	501.671	0.7494	1.652 ± 0.014	5.981 ± 0.049	2.131 ± 0.010	2.807 ± 0.052	Ménabréaz et al. (2014)[a]
2380.5	503.735	0.9614	2.014 ± 0.015	5.654 ± 0.041	1.978 ± 0.016	2.859 ± 0.061	Ménabréaz et al. (2014)[a]
2390.5	505.799	0.5086	1.046 ± 0.012	5.554 ± 0.064	1.946 ± 0.097	2.853 ± 0.292	Ménabréaz et al. (2014)[a]
2400.5	507.864	0.9376	1.949 ± 0.016	5.630 ± 0.046	1.945 ± 0.016	2.894 ± 0.068	Ménabréaz et al. (2014)[a]
2410.5	509.928	0.9552	1.966 ± 0.016	5.565 ± 0.045	1.985 ± 0.025	2.804 ± 0.085	Ménabréaz et al. (2014)[a]
2420.5	511.992	0.7348	1.516 ± 0.017	5.580 ± 0.064	2.202 ± 0.049	2.534 ± 0.128	Ménabréaz et al. (2014)[a]
2430.5	514.057	0.8432	1.705 ± 0.014	5.498 ± 0.045	2.123 ± 0.025	2.590 ± 0.075	Ménabréaz et al. (2014)[a]
2440.5	516.121	0.9673	1.871 ± 0.018	5.265 ± 0.050	1.986 ± 0.001	2.651 ± 0.050	Ménabréaz et al. (2014)[a]
2450.5	518.185	0.4508	0.991 ± 0.012	5.993 ± 0.070	2.394 ± 0.108	2.503 ± 0.232	Ménabréaz et al. (2014)[a]
2460.5	520.250	0.8635	2.182 ± 0.017	6.911 ± 0.053	1.982 ± 0.020	3.486 ± 0.089	Ménabréaz et al. (2014)[a]
2470.5	522.314	0.9413	2.356 ± 0.020	6.858 ± 0.057	1.896 ± 0.031	3.617 ± 0.132	Ménabréaz et al. (2014)[a]
2480.5	524.378	0.5768	1.567 ± 0.017	7.299 ± 0.081	2.159 ± 0.059	3.381 ± 0.199	Ménabréaz et al. (2014)[a]
2490.5	526.443	1.1093	3.106 ± 0.021	7.672 ± 0.053	2.005 ± 0.065	3.826 ± 0.253	Ménabréaz et al. (2014)[a]
2500.5	528.507	1.0599	2.813 ± 0.023	7.270 ± 0.058	2.066 ± 0.015	3.519 ± 0.076	Ménabréaz et al. (2014)[a]
2510.5	530.571	0.7209	1.767 ± 0.020	6.637 ± 0.075	2.384 ± 0.015	2.784 ± 0.072	Ménabréaz et al. (2014)[a]
2520.5	532.636	0.8319	1.949 ± 0.013	6.467 ± 0.044	1.986 ± 0.051	3.257 ± 0.173	Ménabréaz et al. (2014)[a]
2530.5	534.700	1.0953	3.295 ± 0.019	8.240 ± 0.047	2.328 ± 0.043	3.539 ± 0.138	Ménabréaz et al. (2014)[a]
2540.5	536.764	0.5992	2.054 ± 0.021	9.352 ± 0.096	2.050 ± 0.080	4.563 ± 0.367	Ménabréaz et al. (2014)[a]
2550.5	538.829	0.9987	3.640 ± 0.021	10.036 ± 0.059	2.154 ± 0.069	4.659 ± 0.305	Ménabréaz et al. (2014)[a]
2560.5	540.893	1.1000	3.857 ± 0.027	9.714 ± 0.067	2.051 ± 0.057	4.737 ± 0.270	Ménabréaz et al. (2014)[a]
2570.5	542.957	0.5287	1.686 ± 0.018	8.721 ± 0.092	2.271 ± 0.091	3.840 ± 0.317	Ménabréaz et al. (2014)[a]
2580.5	545.021	1.1851	3.202 ± 0.018	7.464 ± 0.041	2.480 ± 0.085	3.009 ± 0.209	Ménabréaz et al. (2014)[a]
2590.5	547.086	0.7829	1.988 ± 0.015	7.087 ± 0.053	2.286 ± 0.042	3.100 ± 0.123	Ménabréaz et al. (2014)[a]
2600.5	549.150	0.5956	1.596 ± 0.019	7.323 ± 0.089	2.479 ± 0.093	2.954 ± 0.233	Ménabréaz et al. (2014)[a]
2610.5	551.214	0.8528	2.341 ± 0.018	7.614 ± 0.058	2.074 ± 0.047	3.671 ± 0.177	Ménabréaz et al. (2014)[a]
2620.5	553.279	0.9753	2.787 ± 0.017	7.497 ± 0.047	2.474 ± 0.031	3.030 ± 0.085	Ménabréaz et al. (2014)[a]
2630.5	555.343	0.8292	1.956 ± 0.021	6.342 ± 0.069	2.493 ± 0.034	2.544 ± 0.089	Ménabréaz et al. (2014)[a]
2640.5	557.407	0.8805	2.016 ± 0.014	6.379 ± 0.044	2.392 ± 0.085	2.667 ± 0.192	Ménabréaz et al. (2014)[a]
2650.5	559.472	1.0649	2.264 ± 0.019	5.915 ± 0.049	2.714 ± 0.014	2.180 ± 0.042	Ménabréaz et al. (2014)[a]
2660.5	561.536	0.7469	1.586 ± 0.018	5.823 ± 0.065	2.552 ± 0.052	2.282 ± 0.106	Ménabréaz et al. (2014)[a]
2670.5	563.600	1.1105	2.519 ± 0.016	6.294 ± 0.041	2.915 ± 0.107	2.159 ± 0.161	Ménabréaz et al. (2014)[a]
2680.5	565.665	0.8119	1.745 ± 0.016	5.996 ± 0.053	2.456 ± 0.086	2.441 ± 0.176	Ménabréaz et al. (2014)[a]
2690.5	567.729	0.7891	1.760 ± 0.019	5.749 ± 0.061	2.289 ± 0.059	2.511 ± 0.139	Ménabréaz et al. (2014)[a]
2700.5	569.793	0.8820	1.934 ± 0.015	6.024 ± 0.048	1.714 ± 0.029	3.515 ± 0.130	Ménabréaz et al. (2014)[a]
2710.5	571.858	0.7285	1.540 ± 0.015	5.966 ± 0.058	1.918 ± 0.037	3.111 ± 0.135	Ménabréaz et al. (2014)[a]
2720.5	573.922	0.5945	1.306 ± 0.015	6.025 ± 0.069	1.871 ± 0.071	3.220 ± 0.255	Ménabréaz et al. (2014)[a]
2730.5	575.971	0.8843	1.904 ± 0.028	5.999 ± 0.088	1.655 ± 0.035	3.625 ± 0.188	Ménabréaz et al. (2014)[a]
2740.5	577.970	1.0983	2.426 ± 0.027	6.150 ± 0.068	1.660 ± 0.119	3.705 ± 0.536	Ménabréaz et al. (2014)[a]
2750.5	579.969	0.7568	1.869 ± 0.020	6.909 ± 0.075	2.317 ± 0.066	2.981 ± 0.182	Ménabréaz et al. (2014)[a]
2760.5	581.968	1.0985	3.343 ± 0.036	8.522 ± 0.092	2.333 ± 0.045	3.653 ± 0.161	Ménabréaz et al. (2014)[a]
2770.5	583.968	1.1011	3.871 ± 0.041	9.823 ± 0.105	2.726 ± 0.049	3.604 ± 0.150	Ménabréaz et al. (2014)[a]
2780.5	585.967	0.9923	3.547 ± 0.039	9.896 ± 0.108	2.228 ± 0.065	4.442 ± 0.275	Ménabréaz et al. (2014)[a]
2790.5	587.966	1.0590	3.334 ± 0.040	8.805 ± 0.106	2.607 ± 0.041	3.377 ± 0.134	Ménabréaz et al. (2014)[a]
2800.5	589.965	0.8582	2.355 ± 0.031	7.754 ± 0.103	2.141 ± 0.075	3.621 ± 0.271	Ménabréaz et al. (2014)[a]
2810.5	591.964	0.6793	1.566 ± 0.017	6.417 ± 0.070	2.399 ± 0.050	2.675 ± 0.125	Ménabréaz et al. (2014)[a]
2820.5	593.964	0.8051	1.597 ± 0.025	5.599 ± 0.087	2.065 ± 0.053	2.711 ± 0.163	Ménabréaz et al. (2014)[a]
2830.5	595.963	0.9124	1.924 ± 0.023	5.981 ± 0.071	2.094 ± 0.042	2.857 ± 0.132	Ménabréaz et al. (2014)[a]
2840.5	597.962	0.8608	1.819 ± 0.020	5.926 ± 0.067	2.363 ± 0.050	2.507 ± 0.120	Ménabréaz et al. (2014)[a]
2850.5	599.961	0.9048	2.059 ± 0.029	6.416 ± 0.090	2.388 ± 0.010	2.687 ± 0.078	Ménabréaz et al. (2014)[a]
2860.5	601.960	1.0792	2.422 ± 0.026	6.278 ± 0.068	2.510 ± 0.014	2.502 ± 0.061	Ménabréaz et al. (2014)[a]
2870.5	603.959	0.5097	1.241 ± 0.009	6.895 ± 0.050	2.706 ± 0.098	2.548 ± 0.188	Ménabréaz et al. (2014)[a]

2880.5	605.959	0.7332	1.843 ± 0.028	7.109 ± 0.109	2.304 ± 0.016	3.086 ± 0.104	Ménabréaz et al. (2014)[a]
2890.5	607.958	0.7842	1.771 ± 0.029	6.320 ± 0.103	1.908 ± 0.020	3.313 ± 0.129	Ménabréaz et al. (2014)[a]
2900	609.957	0.9960	2.726 ± 0.043	7.837 ± 0.124	2.378 ± 0.014	3.295 ± 0.111	This study
2910.5	614.714	0.9848	2.722 ± 0.031	7.808 ± 0.089	1.977 ± 0.047	3.948 ± 0.209	Ménabréaz et al. (2014)[a]
2920.5	619.540	0.8208	1.957 ± 0.026	6.835 ± 0.090	2.034 ± 0.050	3.360 ± 0.186	Ménabréaz et al. (2014)[a]
2930.5	622.644	0.6032	1.346 ± 0.010	6.285 ± 0.047	1.954 ± 0.066	3.217 ± 0.221	Ménabréaz et al. (2014)[a]
2940.5	624.234	1.2068	2.948 ± 0.037	6.886 ± 0.086	1.952 ± 0.006	3.528 ± 0.091	Ménabréaz et al. (2014)[a]
2950.5	625.824	1.2889	3.189 ± 0.040	7.025 ± 0.088	2.240 ± 0.049	3.135 ± 0.158	Ménabréaz et al. (2014)[a]
2960.5	627.414	0.5724	1.229 ± 0.010	6.114 ± 0.048	2.143 ± 0.018	2.853 ± 0.066	Ménabréaz et al. (2014)[a]
2970.5	629.004	0.8320	1.324 ± 0.024	4.561 ± 0.083	2.026 ± 0.066	2.251 ± 0.168	Ménabréaz et al. (2014)[a]
2980.5	630.776	0.9194	1.500 ± 0.023	4.611 ± 0.069	2.140 ± 0.076	2.155 ± 0.166	Ménabréaz et al. (2014)[a]
2990.5	634.401	0.6612	1.171 ± 0.012	4.956 ± 0.052	2.054 ± 0.050	2.413 ± 0.128	Ménabréaz et al. (2014)[a]
3000.5	638.026	1.1811	2.075 ± 0.028	5.010 ± 0.067	1.854 ± 0.032	2.702 ± 0.119	Ménabréaz et al. (2014)[a]
3010.5	641.651	1.2492	2.347 ± 0.025	5.056 ± 0.054	2.089 ± 0.036	2.421 ± 0.097	Ménabréaz et al. (2014)[a]
3020.5	645.276	0.7373	1.257 ± 0.013	4.797 ± 0.048	1.924 ± 0.016	2.494 ± 0.065	Ménabréaz et al. (2014)[a]
3030.5	648.902	0.9063	1.590 ± 0.019	4.989 ± 0.059	1.901 ± 0.006	2.624 ± 0.065	Ménabréaz et al. (2014)[a]
3040.5	652.527	0.9733	1.686 ± 0.020	4.959 ± 0.058	1.958 ± 0.024	2.532 ± 0.085	Ménabréaz et al. (2014)[a]
3050.5	656.152	0.7448	0.999 ± 0.010	3.888 ± 0.041	1.561 ± 0.062	2.490 ± 0.204	Ménabréaz et al. (2014)[a]
3060	659.777	0.8095	1.481 ± 0.024	5.397 ± 0.087	2.151 ± 0.018	2.509 ± 0.091	This study
3070.5	663.402	1.0162	1.805 ± 0.021	5.117 ± 0.061	2.315 ± 0.050	2.211 ± 0.109	Ménabréaz et al. (2014)[a]
3080.5	667.028	0.5306	0.874 ± 0.009	4.643 ± 0.047	1.967 ± 0.059	2.361 ± 0.149	Ménabréaz et al. (2014)[a]
3090.5	670.653	0.9169	1.654 ± 0.019	5.304 ± 0.061	1.853 ± 0.061	2.862 ± 0.199	Ménabréaz et al. (2014)[a]
3100.5	674.278	1.2837	2.050 ± 0.028	4.681 ± 0.064	1.681 ± 0.036	2.784 ± 0.141	Ménabréaz et al. (2014)[a]
3110.5	677.903	0.6523	1.447 ± 0.014	6.452 ± 0.064	2.160 ± 0.063	2.986 ± 0.185	Ménabréaz et al. (2014)[a]
3120.5	681.528	0.5245	1.279 ± 0.017	7.196 ± 0.097	2.292 ± 0.111	3.140 ± 0.316	Ménabréaz et al. (2014)[a]
3130.5	685.154	1.0224	2.684 ± 0.054	7.758 ± 0.155	2.424 ± 0.027	3.200 ± 0.146	Ménabréaz et al. (2014)[a]
3140.5	688.779	0.9468	2.497 ± 0.021	7.888 ± 0.065	2.857 ± 0.080	2.761 ± 0.161	Ménabréaz et al. (2014)[a]
3150.5	692.404	0.7455	1.877 ± 0.016	7.409 ± 0.065	2.221 ± 0.035	3.336 ± 0.119	Ménabréaz et al. (2014)[a]
3160.5	696.029	1.0170	2.443 ± 0.027	7.155 ± 0.078	2.310 ± 0.049	3.097 ± 0.147	Ménabréaz et al. (2014)[a]
3170.5	697.559	0.8769	1.769 ± 0.021	6.016 ± 0.072	2.102 ± 0.011	2.863 ± 0.074	Ménabréaz et al. (2014)[a]
3180.5	698.900	0.6566	1.303 ± 0.014	5.897 ± 0.065	1.769 ± 0.073	3.333 ± 0.286	Ménabréaz et al. (2014)[a]
3190.5	700.241	0.8404	1.721 ± 0.021	6.119 ± 0.076	1.554 ± 0.027	3.937 ± 0.168	Ménabréaz et al. (2014)[a]
3200.5	701.581	0.9328	1.975 ± 0.023	6.319 ± 0.073	2.030 ± 0.035	3.112 ± 0.130	Ménabréaz et al. (2014)[a]
3210.5	702.922	0.8333	1.654 ± 0.015	5.897 ± 0.053	1.769 ± 0.051	3.334 ± 0.202	Ménabréaz et al. (2014)[a]
3220.5	704.262	0.9384	1.780 ± 0.021	5.663 ± 0.067	1.694 ± 0.013	3.342 ± 0.095	Ménabréaz et al. (2014)[a]
3230.5	705.603	1.2291	2.533 ± 0.023	6.128 ± 0.055	2.331 ± 0.029	2.629 ± 0.080	Ménabréaz et al. (2014)[a]
3240.5	706.944	0.5767	1.126 ± 0.015	5.852 ± 0.078	2.174 ± 0.059	2.691 ± 0.163	Ménabréaz et al. (2014)[a]
3250.5	708.284	1.0891	1.782 ± 0.020	4.881 ± 0.054	2.189 ± 0.053	2.230 ± 0.119	Ménabréaz et al. (2014)[a]
3260.5	709.625	1.1602	2.152 ± 0.023	5.555 ± 0.060	2.548 ± 0.053	2.181 ± 0.103	Ménabréaz et al. (2014)[a]
3270.5	710.966	0.5002	0.917 ± 0.010	5.456 ± 0.061	2.303 ± 0.020	2.369 ± 0.067	Ménabréaz et al. (2014)[a]
3280.5	712.306	1.0757	1.957 ± 0.023	5.464 ± 0.065	2.312 ± 0.038	2.364 ± 0.096	Ménabréaz et al. (2014)[a]
3290.5	713.647	1.2294	2.497 ± 0.029	5.990 ± 0.068	2.085 ± 0.039	2.873 ± 0.127	Ménabréaz et al. (2014)[a]
3300.5	714.988	0.5978	1.239 ± 0.016	6.307 ± 0.081	1.875 ± 0.073	3.365 ± 0.275	Ménabréaz et al. (2014)[a]
3310.5	716.328	0.9857	1.879 ± 0.015	5.571 ± 0.044	1.807 ± 0.021	3.083 ± 0.088	Ménabréaz et al. (2014)[a]
3320.5	717.669	0.7295	1.330 ± 0.014	5.441 ± 0.058	1.941 ± 0.064	2.803 ± 0.194	Ménabréaz et al. (2014)[a]
3330.5	719.727	0.5135	0.897 ± 0.010	5.277 ± 0.061	1.923 ± 0.032	2.744 ± 0.111	Ménabréaz et al. (2014)[a]
3340.5	721.806	0.8744	1.657 ± 0.016	5.709 ± 0.055	2.016 ± 0.036	2.831 ± 0.116	Ménabréaz et al. (2014)[a]
3350.5	723.886	0.9891	1.723 ± 0.020	5.245 ± 0.062	1.948 ± 0.053	2.693 ± 0.160	Ménabréaz et al. (2014)[a]
3360.5	725.966	0.7107	1.211 ± 0.015	5.143 ± 0.066	1.898 ± 0.073	2.709 ± 0.219	Ménabréaz et al. (2014)[a]
3370.5	728.046	0.9025	1.482 ± 0.015	4.974 ± 0.051	2.365 ± 0.034	2.104 ± 0.075	Ménabréaz et al. (2014)[a]
3380.5	730.126	0.8515	1.465 ± 0.017	5.154 ± 0.061	2.803 ± 0.040	1.838 ± 0.068	Ménabréaz et al. (2014)[a]
3390.5	732.206	0.6928	1.163 ± 0.013	5.114 ± 0.055	2.130 ± 0.026	2.401 ± 0.079	Ménabréaz et al. (2014)[a]
3400.5	734.286	0.8587	1.479 ± 0.014	5.229 ± 0.051	2.366 ± 0.035	2.210 ± 0.078	Ménabréaz et al. (2014)[a]
3410.5	736.366	0.8759	1.391 ± 0.015	4.819 ± 0.053	1.767 ± 0.027	2.727 ± 0.102	Ménabréaz et al. (2014)[a]
3420.5	738.446	0.6692	1.103 ± 0.017	5.025 ± 0.077	2.011 ± 0.040	2.499 ± 0.126	Ménabréaz et al. (2014)[a]
3430.5	740.526	0.8783	1.458 ± 0.017	5.078 ± 0.059	2.091 ± 0.042	2.429 ± 0.113	Ménabréaz et al. (2014)[a]
3440.5	742.605	0.8053	1.276 ± 0.016	4.827 ± 0.061	2.013 ± 0.044	2.397 ± 0.121	Ménabréaz et al. (2014)[a]
3450.5	744.691	0.6775	1.022 ± 0.012	4.548 ± 0.055	1.738 ± 0.008	2.617 ± 0.068	Ménabréaz et al. (2014)[a]
3460.5	746.781	0.7673	1.058 ± 0.013	4.222 ± 0.051	1.857 ± 0.008	2.274 ± 0.059	Ménabréaz et al. (2014)[a]
3470.5	748.870	0.8622	1.320 ± 0.017	4.641 ± 0.061	1.853 ± 0.034	2.504 ± 0.113	Ménabréaz et al. (2014)[a]
3480.5	750.959	0.9378	1.498 ± 0.013	4.825 ± 0.042	1.890 ± 0.019	2.553 ± 0.067	Ménabréaz et al. (2014)[a]
3490.5	753.048	0.9560	1.458 ± 0.013	4.631 ± 0.042	2.080 ± 0.044	2.227 ± 0.102	Ménabréaz et al. (2014)[a]
3500.5	755.137	0.7939	1.298 ± 0.015	4.964 ± 0.058	1.943 ± 0.017	2.555 ± 0.074	Ménabréaz et al. (2014)[a]
3510.5	757.227	0.8005	1.212 ± 0.021	4.520 ± 0.078	1.973 ± 0.028	2.291 ± 0.102	Ménabréaz et al. (2014)[a]
3520.5	759.316	0.8218	1.255 ± 0.015	4.673 ± 0.057	1.883 ± 0.019	2.482 ± 0.078	Ménabréaz et al. (2014)[a]
3530.5	761.405	0.8610	1.555 ± 0.015	5.525 ± 0.053	1.533 ± 0.015	3.603 ± 0.098	Ménabréaz et al. (2014)[a]
3540.5	763.494	1.0817	2.304 ± 0.021	6.407 ± 0.059	2.042 ± 0.041	3.137 ± 0.137	Ménabréaz et al. (2014)[a]
3550.5	765.583	1.0335	2.501 ± 0.022	7.417 ± 0.064	2.007 ± 0.020	3.695 ± 0.096	Ménabréaz et al. (2014)[a]
3560.5	767.673	0.8134	2.369 ± 0.021	9.003 ± 0.078	1.716 ± 0.036	5.247 ± 0.240	Ménabréaz et al. (2014)[a]
3570.5	769.762	0.7150	2.350 ± 0.019	10.050 ± 0.082	2.057 ± 0.031	4.885 ± 0.166	Ménabréaz et al. (2014)[a]
3580.5	771.851	0.8826	3.103 ± 0.023	10.779 ± 0.080	1.831 ± 0.040	5.888 ± 0.275	Ménabréaz et al. (2014)[a]
3590.5	773.940	0.8485	2.684 ± 0.022	9.729 ± 0.081	2.027 ± 0.031	4.800 ± 0.166	Ménabréaz et al. (2014)[a]
3600.5	776.029	1.0148	2.451 ± 0.021	7.440 ± 0.063	1.647 ± 0.030	4.516 ± 0.180	Ménabréaz et al. (2014)[a]
3610.5	778.119	0.6854	1.340 ± 0.017	6.077 ± 0.078	1.690 ± 0.024	3.596 ± 0.136	Ménabréaz et al. (2014)[a]
3620.5	780.208	0.7788	1.400 ± 0.014	5.553 ± 0.056	1.693 ± 0.014	3.280 ± 0.085	Ménabréaz et al. (2014)[a]
3630.5	782.297	1.0462	1.794 ± 0.017	5.214 ± 0.050	1.735 ± 0.077	3.005 ± 0.274	Ménabréaz et al. (2014)[a]
3640.5	784.386	0.6100	1.074 ± 0.013	5.484 ± 0.069	1.964 ± 0.057	2.793 ± 0.176	Ménabréaz et al. (2014)[a]
3650.5	786.475	0.5679	1.130 ± 0.012	6.202 ± 0.068	1.878 ± 0.026	3.302 ± 0.116	Ménabréaz et al. (2014)[a]
3660.5	788.565	0.8350	2.163 ± 0.019	7.801 ± 0.068	2.030 ± 0.049	3.843 ± 0.199	Ménabréaz et al. (2014)[a]
3670.5	790.654	1.0886	2.589 ± 0.019	7.388 ± 0.055	2.084 ± 0.027	3.546 ± 0.106	Ménabréaz et al. (2014)[a]
Mean ± std. Dev.			2.545 ± 0.855	6.550 ± 1.393	2.027 ± 0.288	3.270 ± 0.719	
Mean ± SDOM				6.550 ± 0.072	2.027 ± 0.015	3.270 ± 0.037	

[a]Values of ^{10}Be from Ménabréaz et al. (2014) have been revised for radioactive decay.

Table S5. AMS measurements, authigenic ^{10}Be and ^{9}Be concentrations and authigenic $^{10}Be/^{9}Be$ ratios of core MD90-0961 samples.

Depth in core [cm]	Age Model [ka]	Sample weight [g]	Measured (^{10}Be /^{9}Be) *10^{-11}	Authigenic decay corrected ^{10}Be * 10^{8} [at.g^{-1}]	Authigenic ^{9}Be * 10^{16} [at.g^{-1}]	Authigenic ^{10}Be /^{9}Be *10^{-8}	Source
3341	686.00	0.7727	1.45 ± 0.021	3.98 ± 0.08	1.52 ± 0.01	3.69 ± 0.12	Valet et al. (2014)[a]
3349	688.00	0.8126	1.76 ± 0.027	4.63 ± 0.10	1.60 ± 0.04	4.08 ± 0.26	Valet et al. (2014)[a]
3354	689.20	0.6658	1.44 ± 0.021	4.64 ± 0.10	1.67 ± 0.03	3.93 ± 0.19	Valet et al. (2014)[a]
3359	690.50	0.7274	1.62 ± 0.024	4.67 ± 0.10	1.43 ± 0.06	4.61 ± 0.41	Valet et al. (2014)[a]
3364	691.80	0.8295	1.81 ± 0.026	4.65 ± 0.10	1.51 ± 0.06	4.35 ± 0.36	Valet et al. (2014)[a]
3369	693.00	0.6960	1.59 ± 0.023	4.90 ± 0.10	1.63 ± 0.05	4.24 ± 0.28	Valet et al. (2014)[a]
3374	694.30	0.8584	1.92 ± 0.028	4.81 ± 0.10	1.76 ± 0.04	3.88 ± 0.21	Valet et al. (2014)[a]
3379	695.50	0.7327	1.54 ± 0.023	4.50 ± 0.10	1.51 ± 0.02	4.22 ± 0.18	Valet et al. (2014)[a]
3384	696.80	0.7882	1.43 ± 0.024	3.90 ± 0.09	1.19 ± 0.03	4.63 ± 0.28	Valet et al. (2014)[a]
3392	698.80	0.6711	1.03 ± 0.017	3.30 ± 0.08	1.21 ± 0.04	3.88 ± 0.27	Valet et al. (2014)[a]
3399	700.60	0.7632	1.08 ± 0.018	3.05 ± 0.07	1.01 ± 0.02	4.30 ± 0.26	Valet et al. (2014)[a]
3404	701.80	0.8227	0.89 ± 0.073	2.32 ± 0.27	1.07 ± 0.03	3.07 ± 0.54	Valet et al. (2014)[a]
3409	703.10	0.7473	1.12 ± 0.018	3.23 ± 0.07	1.19 ± 0.02	3.84 ± 0.16	Valet et al. (2014)[a]
3414	704.40	0.7847	1.24 ± 0.022	3.35 ± 0.08	1.26 ± 0.00	3.78 ± 0.14	Valet et al. (2014)[a]
3419	705.60	0.8361	1.28 ± 0.021	3.29 ± 0.08	1.15 ± 0.04	4.06 ± 0.32	Valet et al. (2014)[a]
3424	706.90	0.7674	1.26 ± 0.019	3.52 ± 0.08	1.33 ± 0.05	3.77 ± 0.33	Valet et al. (2014)[a]
3429	708.20	0.7741	1.21 ± 0.019	3.38 ± 0.07	1.57 ± 0.05	3.06 ± 0.23	Valet et al. (2014)[a]
3434	709.40	0.7387	1.15 ± 0.018	3.35 ± 0.08	1.73 ± 0.03	2.76 ± 0.13	Valet et al. (2014)[a]
3439	710.70	0.8642	1.27 ± 0.020	3.16 ± 0.07	1.76 ± 0.02	2.55 ± 0.11	Valet et al. (2014)[a]
3444	712.00	0.7628	1.14 ± 0.018	3.22 ± 0.07	1.70 ± 0.02	2.70 ± 0.10	Valet et al. (2014)[a]
3449	713.30	0.7523	1.08 ± 0.018	3.08 ± 0.07	1.94 ± 0.07	2.26 ± 0.18	Valet et al. (2014)[a]
3454	714.70	0.7637	1.02 ± 0.017	2.89 ± 0.07	1.79 ± 0.04	2.30 ± 0.13	Valet et al. (2014)[a]
3459	716.00	0.8319	1.15 ± 0.018	2.99 ± 0.07	1.69 ± 0.01	2.53 ± 0.09	Valet et al. (2014)[a]
3464	717.30	0.7589	0.97 ± 0.016	2.75 ± 0.06	1.29 ± 0.02	3.04 ± 0.15	Valet et al. (2014)[a]
3469	718.60	0.7742	1.00 ± 0.016	2.77 ± 0.06	1.53 ± 0.04	2.59 ± 0.17	Valet et al. (2014)[a]
3474	719.90	0.7664	0.91 ± 0.015	2.55 ± 0.06	1.10 ± 0.02	3.33 ± 0.16	Valet et al. (2014)[a]
3479	721.30	0.8441	1.10 ± 0.019	2.80 ± 0.07	1.37 ± 0.03	2.92 ± 0.15	Valet et al. (2014)[a]
3484	722.60	0.8061	1.15 ± 0.019	3.03 ± 0.07	1.34 ± 0.05	3.23 ± 0.27	Valet et al. (2014)[a]
3489	723.90	0.8517	1.19 ± 0.018	3.03 ± 0.07	1.48 ± 0.02	2.93 ± 0.13	Valet et al. (2014)[a]
3494	725.20	0.6553	0.91 ± 0.015	2.98 ± 0.07	1.21 ± 0.04	3.55 ± 0.28	Valet et al. (2014)[a]
3499	726.50	0.6550	0.99 ± 0.015	3.25 ± 0.07	1.42 ± 0.03	3.28 ± 0.16	Valet et al. (2014)[a]
3504	727.80	0.7473	1.06 ± 0.018	3.09 ± 0.07	1.27 ± 0.02	3.51 ± 0.14	Valet et al. (2014)[a]
3509	729.20	0.7481	1.12 ± 0.020	3.20 ± 0.08	1.30 ± 0.07	3.55 ± 0.40	Valet et al. (2014)[a]
3514	730.50	0.6945	1.04 ± 0.017	3.23 ± 0.08	1.50 ± 0.04	3.10 ± 0.20	Valet et al. (2014)[a]
3519	731.80	0.8346	1.19 ± 0.019	3.06 ± 0.07	1.53 ± 0.03	2.88 ± 0.13	Valet et al. (2014)[a]
3524	733.10	0.7867	1.02 ± 0.016	2.78 ± 0.06	1.24 ± 0.04	3.24 ± 0.25	Valet et al. (2014)[a]
3529	734.40	0.7089	0.85 ± 0.013	2.57 ± 0.06	1.26 ± 0.03	2.96 ± 0.17	Valet et al. (2014)[a]
3534	735.70	0.7465	0.91 ± 0.016	2.61 ± 0.07	1.37 ± 0.02	2.74 ± 0.14	Valet et al. (2014)[a]
3539	737.10	0.8525	0.99 ± 0.017	2.49 ± 0.06	1.19 ± 0.03	3.03 ± 0.20	Valet et al. (2014)[a]
3544	738.40	0.7286	0.86 ± 0.014	2.52 ± 0.06	1.43 ± 0.03	2.55 ± 0.13	Valet et al. (2014)[a]
3549	739.70	0.7612	0.96 ± 0.017	2.70 ± 0.07	1.54 ± 0.04	2.53 ± 0.15	Valet et al. (2014)[a]
3554	741.00	0.7251	0.90 ± 0.015	2.66 ± 0.07	1.48 ± 0.01	2.60 ± 0.10	Valet et al. (2014)[a]
3559	742.30	0.7174	0.90 ± 0.017	2.73 ± 0.08	1.57 ± 0.01	2.53 ± 0.11	Valet et al. (2014)[a]
3564	743.60	0.7346	0.90 ± 0.016	2.64 ± 0.07	1.44 ± 0.02	2.66 ± 0.13	Valet et al. (2014)[a]
3569	745.00	0.8125	1.00 ± 0.017	2.65 ± 0.06	1.43 ± 0.02	2.69 ± 0.13	Valet et al. (2014)[a]
3574	746.30	0.7529	0.94 ± 0.016	2.70 ± 0.07	1.43 ± 0.02	2.75 ± 0.12	Valet et al. (2014)[a]
3581	748.10	0.7754	1.02 ± 0.016	2.74 ± 0.06	1.20 ± 0.04	3.31 ± 0.26	Valet et al. (2014)[a]
3586	749.40	0.7451	1.08 ± 0.019	3.09 ± 0.08	1.41 ± 0.03	3.19 ± 0.17	Valet et al. (2014)[a]
3591	750.60	0.7237	1.06 ± 0.016	3.09 ± 0.07	1.34 ± 0.04	3.35 ± 0.23	Valet et al. (2014)[a]
3595	751.80	0.9568	1.41 ± 0.022	3.11 ± 0.07	1.39 ± 0.05	3.27 ± 0.24	Valet et al. (2014)[a]
3600	753.10	0.6997	1.15 ± 0.017	3.49 ± 0.08	1.45 ± 0.04	3.50 ± 0.21	Valet et al. (2014)[a]
3606	754.80	0.6793	1.05 ± 0.017	3.22 ± 0.07	1.34 ± 0.02	3.52 ± 0.15	Valet et al. (2014)[a]
3611	756.00	0.6691	1.20 ± 0.019	3.79 ± 0.09	1.25 ± 0.03	4.41 ± 0.28	Valet et al. (2014)[a]
3616	757.30	0.6530	1.23 ± 0.019	3.90 ± 0.09	1.35 ± 0.04	4.23 ± 0.28	Valet et al. (2014)[a]
3621	758.70	0.6494	1.28 ± 0.019	4.20 ± 0.09	1.35 ± 0.02	4.53 ± 0.21	Valet et al. (2014)[a]
3626	759.80	0.6869	1.52 ± 0.022	4.71 ± 0.10	1.38 ± 0.05	4.98 ± 0.36	Valet et al. (2014)[a]
3631	761.30	0.7951	2.03 ± 0.035	5.22 ± 0.13	1.39 ± 0.03	5.51 ± 0.31	Valet et al. (2014)[a]
3638	763.10	0.8126	2.08 ± 0.030	5.33 ± 0.11	1.27 ± 0.02	6.16 ± 0.24	Valet et al. (2014)[a]
3641	764.10	0.7759	2.37 ± 0.034	6.37 ± 0.13	1.46 ± 0.05	6.39 ± 0.45	Valet et al. (2014)[a]
3646	765.20	0.8213	2.86 ± 0.042	7.26 ± 0.16	1.49 ± 0.05	7.12 ± 0.50	Valet et al. (2014)[a]
3651	766.40	0.7738	2.62 ± 0.037	7.06 ± 0.15	1.43 ± 0.01	7.21 ± 0.25	Valet et al. (2014)[a]
3656	767.70	0.7008	2.30 ± 0.032	6.79 ± 0.14	1.26 ± 0.01	7.92 ± 0.29	Valet et al. (2014)[a]
3661	769.30	0.8265	2.76 ± 0.040	7.01 ± 0.15	1.29 ± 0.04	8.01 ± 0.56	Valet et al. (2014)[a]
3667	770.70	0.8233	2.52 ± 0.037	6.37 ± 0.14	1.13 ± 0.05	8.27 ± 0.71	Valet et al. (2014)[a]
3671	771.80	0.6910	1.95 ± 0.029	5.85 ± 0.13	1.13 ± 0.02	7.62 ± 0.39	Valet et al. (2014)[a]
3676	773.00	0.6926	1.72 ± 0.025	5.31 ± 0.11	1.13 ± 0.01	6.93 ± 0.21	Valet et al. (2014)[a]

3680	774.20	0.7039	1.76 ± 0.029	5.24 ± 0.13	1.13 ± 0.02	6.85 ± 0.34	Valet et al. (2014)[a]
3685	775.40	0.7218	1.57 ± 0.024	4.58 ± 0.10	0.99 ± 0.04	6.82 ± 0.58	Valet et al. (2014)[a]
3689	776.60	0.7749	1.63 ± 0.022	4.34 ± 0.09	1.05 ± 0.01	6.11 ± 0.20	Valet et al. (2014)[a]
3696	778.40	0.7461	1.47 ± 0.023	4.06 ± 0.09	1.04 ± 0.02	5.75 ± 0.29	Valet et al. (2014)[a]
3701	779.60	0.7589	1.44 ± 0.020	3.94 ± 0.08	1.13 ± 0.01	5.13 ± 0.18	Valet et al. (2014)[a]
3705	780.80	0.6114	1.20 ± 0.023	4.09 ± 0.12	1.16 ± 0.00	5.22 ± 0.20	Valet et al. (2014)[a]
3709	782.00	0.8852	1.43 ± 0.020	3.36 ± 0.07	1.13 ± 0.03	4.38 ± 0.30	Valet et al. (2014)[a]
3714	783.30	0.7981	1.71 ± 0.031	4.44 ± 0.12	1.44 ± 0.03	4.56 ± 0.23	Valet et al. (2014)[a]
3721	785.00	0.7035	1.41 ± 0.019	4.17 ± 0.08	1.86 ± 0.02	3.33 ± 0.12	Valet et al. (2014)[a]
3726	786.20	0.8579	1.42 ± 0.020	3.43 ± 0.07	1.21 ± 0.01	4.19 ± 0.14	Valet et al. (2014)[a]
3730	787.40	0.8856	1.32 ± 0.020	3.09 ± 0.07	1.21 ± 0.02	3.78 ± 0.15	Valet et al. (2014)[a]
3734	788.50	0.7003	0.97 ± 0.016	2.92 ± 0.07	1.04 ± 0.03	4.16 ± 0.31	Valet et al. (2014)[a]
3739	789.70	0.9944	1.56 ± 0.023	3.24 ± 0.07	1.09 ± 0.03	4.41 ± 0.25	Valet et al. (2014)[a]
3744	790.90	0.8262	1.31 ± 0.020	3.42 ± 0.08	1.42 ± 0.02	3.57 ± 0.16	Valet et al. (2014)[a]
3749	792.10	0.7296	1.15 ± 0.019	3.41 ± 0.08	1.39 ± 0.03	3.66 ± 0.18	Valet et al. (2014)[a]
3754	793.30	0.6976	1.10 ± 0.019	3.39 ± 0.09	1.40 ± 0.01	3.60 ± 0.13	Valet et al. (2014)[a]
3759	794.50	0.8364	1.46 ± 0.023	3.74 ± 0.09	1.60 ± 0.02	3.48 ± 0.15	Valet et al. (2014)[a]
3764	795.70	0.7285	1.14 ± 0.019	3.36 ± 0.08	1.38 ± 0.05	3.62 ± 0.28	Valet et al. (2014)[a]
3769	797.00	0.8225	1.24 ± 0.022	3.24 ± 0.08	1.48 ± 0.01	3.26 ± 0.12	Valet et al. (2014)[a]
3774	798.20	0.7450	1.05 ± 0.019	3.04 ± 0.08	1.36 ± 0.02	3.33 ± 0.15	Valet et al. (2014)[a]
3779	799.40	0.6555	0.85 ± 0.015	2.79 ± 0.07	1.51 ± 0.02	2.77 ± 0.12	Valet et al. (2014)[a]
3784	800.60	0.8646	1.12 ± 0.020	2.81 ± 0.08	1.58 ± 0.02	2.65 ± 0.11	Valet et al. (2014)[a]
3789	801.80	0.7255	0.90 ± 0.015	2.66 ± 0.07	1.37 ± 0.02	2.90 ± 0.14	Valet et al. (2014)[a]
3794	803.00	0.8426	1.02 ± 0.017	2.58 ± 0.07	1.50 ± 0.05	2.57 ± 0.20	Valet et al. (2014)[a]
3799	804.20	0.8419	1.03 ± 0.017	2.59 ± 0.06	1.61 ± 0.02	2.41 ± 0.09	Valet et al. (2014)[a]
3804	805.50	0.8020	0.97 ± 0.018	2.58 ± 0.07	1.50 ± 0.04	2.56 ± 0.16	Valet et al. (2014)[a]
3809	806.70	0.8381	1.01 ± 0.017	2.60 ± 0.06	1.50 ± 0.06	2.60 ± 0.22	Valet et al. (2014)[a]
3814	807.90	0.8130	0.92 ± 0.015	2.43 ± 0.06	1.43 ± 0.02	2.55 ± 0.12	Valet et al. (2014)[a]
3819	809.10	0.7224	0.88 ± 0.015	2.63 ± 0.07	1.40 ± 0.03	2.82 ± 0.17	Valet et al. (2014)[a]
3824	810.30	0.7941	1.05 ± 0.017	2.85 ± 0.07	1.48 ± 0.02	2.88 ± 0.13	Valet et al. (2014)[a]
3829	811.50	0.7335	0.84 ± 0.014	2.47 ± 0.06	1.21 ± 0.00	3.07 ± 0.11	Valet et al. (2014)[a]
3834	812.70	0.7884	0.95 ± 0.016	2.61 ± 0.07	1.32 ± 0.03	2.96 ± 0.15	Valet et al. (2014)[a]
3839	813.90	0.7443	0.91 ± 0.015	2.64 ± 0.06	1.36 ± 0.03	2.93 ± 0.17	Valet et al. (2014)[a]
3844	815.20	0.8319	1.17 ± 0.020	3.03 ± 0.08	1.32 ± 0.00	3.44 ± 0.12	Valet et al. (2014)[a]
3849	816.40	0.7601	1.00 ± 0.016	2.75 ± 0.07	1.20 ± 0.04	3.45 ± 0.23	Valet et al. (2014)[a]
3861	819.30	0.7778	1.13 ± 0.018	3.09 ± 0.07	1.12 ± 0.03	4.16 ± 0.28	Valet et al. (2014)[a]
3871	821.70	0.8321	1.19 ± 0.018	3.02 ± 0.07	1.23 ± 0.02	3.71 ± 0.16	Valet et al. (2014)[a]
3896	827.80	0.8167	1.02 ± 0.016	2.64 ± 0.06	1.24 ± 0.04	3.21 ± 0.22	Valet et al. (2014)[a]
3911	831.40	0.8089	0.98 ± 0.015	2.56 ± 0.06	1.20 ± 0.01	3.23 ± 0.13	Valet et al. (2014)[a]
3924	834.60	0.8599	1.19 ± 0.018	2.92 ± 0.07	0.90 ± 0.02	4.94 ± 0.30	Valet et al. (2014)[a]
3945	839.70	0.7985	1.30 ± 0.019	3.46 ± 0.08	0.97 ± 0.05	5.42 ± 0.61	Valet et al. (2014)[a]
3964	844.30	0.7729	1.14 ± 0.017	3.12 ± 0.07	1.19 ± 0.05	4.01 ± 0.37	Valet et al. (2014)[a]
3971	846.00	0.8865	1.27 ± 0.021	3.02 ± 0.08	1.06 ± 0.01	4.35 ± 0.16	Valet et al. (2014)[a]
3990	850.60	0.6844	0.82 ± 0.013	2.56 ± 0.06	0.78 ± 0.01	5.03 ± 0.19	Valet et al. (2014)[a]
4001	853.30	0.8221	1.05 ± 0.016	2.70 ± 0.06	0.80 ± 0.02	5.17 ± 0.26	Valet et al. (2014)[a]
4020	857.90	0.9474	1.66 ± 0.025	3.69 ± 0.09	1.07 ± 0.01	5.29 ± 0.20	Valet et al. (2014)[a]
4041	863.00	0.8249	1.26 ± 0.019	3.32 ± 0.08	1.22 ± 0.01	4.18 ± 0.14	Valet et al. (2014)[a]
4052	865.70	0.6897	0.97 ± 0.016	3.00 ± 0.07	1.38 ± 0.03	3.35 ± 0.18	Valet et al. (2014)[a]
4061	867.90	0.8186	0.99 ± 0.016	2.56 ± 0.06	0.94 ± 0.01	4.22 ± 0.14	Valet et al. (2014)[a]
4085	873.70	0.8263	1.25 ± 0.020	3.22 ± 0.08	1.23 ± 0.04	4.04 ± 0.27	Valet et al. (2014)[a]
Mean ± std. Dev.			1.273 ± 0.414	3.508 ± 1.081	1.341 ± 0.217	3.933 ± 1.355	
Mean ± SDOM				3.508 ± 0.100	1.341 ± 0.020	3.933 ± 0.126	

[a]Values of ^{10}Be from Valet et al. (2014) have been revised for radioactive decay.

Table S6. Average values and standard deviation of the clusters used for ^{10}Be-derived VADM calibration

Sub-sampling strategies	Authigenic ^{10}Be/^{9}Be (normalized stack)		VADM (10^{22} Am^2)	Absolute GDM sources*
	Interval: 5 - 50 ka (Lachamp)			
Values < μ-σ	0.843 ± 0.059	Values > μ+σ	10.092 ± 2.614	
μ-σ < Values > μ+σ	1.119 ± 0.102	μ-σ < Values > μ+σ	4.413 ± 1.350	GEOMAGIA50.v3
Values > μ+σ	1.596 ± 0.010	Values < μ-σ	2.105 ± 0.197	(N=96)
	Interval: 50 - 750 ka			
Values < μ-σ	0.743 ± 0.037	Values > μ+σ	12.002 ± 2.740	
μ-σ < Values > μ+σ	0.965 ± 0.093	μ-σ < Values > μ+σ	7.341 ± 1.545	PINT (2015.05)
Values > μ+σ	1.240 ± 0.101	Values < μ-σ	3.312 ± 0.965	(N=367)
	Interval: 750 - 850 ka (MBB)			
Values < μ-σ	0.687 ± 0.044	Values > μ+σ	11.400 ± 1.485	
μ-σ < Values > μ+σ	1.089 ± 0.264	μ-σ < Values > μ+σ	6.017 ± 2.464	PINT (2015.05)
Values > μ+σ	1.847 ± 0.006	Values < μ-σ	1.100 ± 0.283	(N=24)
	Interval: 5 - 850 ka			
Values < μ-σ	0.735 ± 0.039	Values > μ+σ	11.680 ± 1.633	GEOMAGIA50.v3
μ-σ < Values > μ+σ	0.974 ± 0.104	μ-σ < Values > μ+σ	6.814 ± 1.609	PINT (2015.05)
Values > μ+σ	1.321 ± 0.160	Values < μ-σ	2.989 ± 0.754	(N=96+391)

Table S7. Normalized and standardized stacks, Virtual Axial Dipole Moment (VADM) reconstructed from authigenic $^{10}Be/^{9}Be$ ratios from cores MD05-2920 & -2930 + MD90-0961

Age Model [ka]	Authigenic $^{10}Be/^{9}Be$ Standardized Stack cores (2920-2930-961)	Authigenic $^{10}Be/^{9}Be$ Normalized Stack cores (2920-2930-961)	^{10}Be-Derived VADM (x 10^{22} Am^2)	% Mean field
5	1.146 ± 0.101	1.242 ± 0.109	3.677 ± 0.618	49.7
6	1.004 ± 0.094	1.212 ± 0.115	3.986 ± 0.644	53.9
7	0.771 ± 0.057	1.162 ± 0.087	4.546 ± 0.568	61.5
8	0.056 ± 0.007	1.012 ± 0.136	6.544 ± 0.783	88.5
9	-0.494 ± 0.039	0.896 ± 0.073	8.388 ± 0.591	113.4
10	-0.610 ± 0.070	0.871 ± 0.099	8.822 ± 0.713	119.3
11	-0.458 ± 0.027	0.903 ± 0.056	8.269 ± 0.514	111.8
12	-0.324 ± 0.031	0.931 ± 0.091	7.794 ± 0.656	105.4
13	-0.481 ± 0.039	0.898 ± 0.053	8.346 ± 0.502	112.8
14	0.217 ± 0.012	1.046 ± 0.056	6.056 ± 0.475	81.9
15	0.281 ± 0.015	1.059 ± 0.057	5.867 ± 0.477	79.3
16	0.338 ± 0.019	1.071 ± 0.059	5.700 ± 0.480	77.1
17	0.540 ± 0.034	1.114 ± 0.068	5.139 ± 0.510	69.5
18	0.854 ± 0.052	1.180 ± 0.073	4.341 ± 0.512	58.7
19	0.531 ± 0.037	1.112 ± 0.087	5.165 ± 0.580	69.8
20	-0.262 ± 0.224	0.948 ± 0.175	7.532 ± 0.934	101.8
21	0.168 ± 0.127	1.037 ± 0.127	6.173 ± 0.743	83.5
22	-0.019 ± 0.058	0.997 ± 0.144	6.766 ± 0.812	91.5
23	0.052 ± 0.055	1.012 ± 0.120	6.542 ± 0.729	88.5
24	0.381 ± 0.118	1.082 ± 0.133	5.561 ± 0.743	75.2
25	0.525 ± 0.152	1.112 ± 0.151	5.163 ± 0.785	69.8
26	0.698 ± 0.173	1.148 ± 0.173	4.721 ± 0.833	63.8
27	1.086 ± 0.315	1.229 ± 0.239	3.814 ± 0.965	51.6
28	1.064 ± 0.324	1.224 ± 0.237	3.859 ± 0.961	52.2
29	0.832 ± 0.198	1.176 ± 0.170	4.390 ± 0.814	59.4
30	0.734 ± 0.125	1.155 ± 0.125	4.634 ± 0.694	62.7
31	0.502 ± 0.084	1.106 ± 0.099	5.235 ± 0.626	70.8
32	0.595 ± 0.098	1.125 ± 0.130	4.995 ± 0.719	67.5
33	0.448 ± 0.086	1.095 ± 0.132	5.390 ± 0.734	72.9
34	0.558 ± 0.082	1.117 ± 0.149	5.102 ± 0.778	69.0
35	0.084 ± 0.046	1.019 ± 0.101	6.440 ± 0.659	87.1
36	0.259 ± 0.057	1.055 ± 0.139	5.927 ± 0.773	80.1
37	0.598 ± 0.119	1.125 ± 0.227	4.999 ± 0.985	67.6
38	0.666 ± 0.087	1.140 ± 0.140	4.819 ± 0.743	65.2
39	1.140 ± 0.149	1.237 ± 0.175	3.725 ± 0.803	50.4
40	1.633 ± 0.159	1.341 ± 0.130	2.778 ± 0.651	37.6
41	2.893 ± 0.383	1.603 ± 0.210	1.338 ± 0.770	18.1
42	2.826 ± 0.376	1.590 ± 0.211	1.379 ± 0.775	18.6
43	1.783 ± 0.161	1.372 ± 0.122	2.531 ± 0.623	34.2
44	1.000 ± 0.103	1.208 ± 0.126	4.033 ± 0.679	54.5
45	-0.123 ± 0.088	0.975 ± 0.131	7.100 ± 0.782	96.0
46	-0.664 ± 0.068	0.861 ± 0.100	8.995 ± 0.719	121.6
47	-0.757 ± 0.116	0.841 ± 0.139	9.354 ± 0.879	126.5
48	-0.952 ± 0.155	0.801 ± 0.120	10.110 ± 0.832	136.7
49	-1.156 ± 0.145	0.759 ± 0.104	10.918 ± 0.788	147.6
50	-1.191 ± 0.182	0.752 ± 0.119	11.053 ± 0.855	149.4
51	-1.163 ± 0.256	0.758 ± 0.159	10.933 ± 1.009	147.8
52	-1.124 ± 0.285	0.766 ± 0.167	10.775 ± 1.032	145.7
53	-1.005 ± 0.232	0.791 ± 0.153	10.297 ± 0.960	139.2
54	-0.927 ± 0.187	0.807 ± 0.152	9.993 ± 0.946	135.1
55	-0.618 ± 0.139	0.871 ± 0.148	8.829 ± 0.891	119.4
56	-0.109 ± 0.084	0.977 ± 0.154	7.071 ± 0.855	95.6
57	-0.062 ± 0.056	0.987 ± 0.154	6.909 ± 0.848	93.4
58	0.516 ± 0.063	1.107 ± 0.126	5.226 ± 0.713	70.7
59	0.542 ± 0.073	1.113 ± 0.145	5.148 ± 0.768	69.6
60	0.475 ± 0.077	1.100 ± 0.137	5.317 ± 0.747	71.9
61	1.271 ± 0.182	1.265 ± 0.173	3.450 ± 0.788	46.6
62	1.327 ± 0.174	1.277 ± 0.163	3.333 ± 0.758	45.1
63	1.007 ± 0.232	1.212 ± 0.196	3.990 ± 0.866	53.9
64	1.087 ± 0.322	1.229 ± 0.228	3.807 ± 0.938	51.5
65	1.067 ± 0.356	1.225 ± 0.242	3.848 ± 0.972	52.0
66	0.254 ± 0.153	1.056 ± 0.151	5.912 ± 0.809	79.9
67	-0.055 ± 0.120	0.992 ± 0.099	6.844 ± 0.663	92.5
68	-0.471 ± 0.123	0.905 ± 0.085	8.242 ± 0.643	111.4
69	-0.577 ± 0.139	0.882 ± 0.099	8.625 ± 0.708	116.6
70	-0.505 ± 0.147	0.897 ± 0.121	8.373 ± 0.782	113.2
71	-0.323 ± 0.115	0.934 ± 0.132	7.755 ± 0.802	104.8
72	-0.356 ± 0.081	0.926 ± 0.130	7.884 ± 0.802	106.6
73	-0.554 ± 0.083	0.884 ± 0.127	8.603 ± 0.811	116.3
74	-0.574 ± 0.099	0.879 ± 0.124	8.678 ± 0.801	117.3
75	-1.084 ± 0.136	0.774 ± 0.101	10.621 ± 0.768	143.6
76	-0.933 ± 0.113	0.806 ± 0.103	10.009 ± 0.757	135.3
77	-0.702 ± 0.086	0.854 ± 0.106	9.124 ± 0.745	123.4
78	-0.561 ± 0.065	0.883 ± 0.104	8.613 ± 0.725	116.5
79	-0.472 ± 0.064	0.902 ± 0.130	8.293 ± 0.811	112.1
80	-0.479 ± 0.071	0.901 ± 0.156	8.310 ± 0.901	112.4
81	-0.479 ± 0.072	0.901 ± 0.133	8.306 ± 0.823	112.3
82	-0.424 ± 0.078	0.912 ± 0.123	8.114 ± 0.784	109.7
83	-0.163 ± 0.041	0.967 ± 0.135	7.230 ± 0.799	97.8
84	-0.094 ± 0.019	0.981 ± 0.114	7.012 ± 0.720	94.8
85	-0.128 ± 0.028	0.973 ± 0.151	7.124 ± 0.845	96.3
86	-0.214 ± 0.052	0.956 ± 0.166	7.401 ± 0.903	100.1
87	-0.385 ± 0.064	0.920 ± 0.126	7.978 ± 0.790	107.9
88	-0.624 ± 0.090	0.870 ± 0.124	8.836 ± 0.805	119.5
89	-0.729 ± 0.095	0.848 ± 0.108	9.240 ± 0.759	124.9
90	-0.826 ± 0.086	0.827 ± 0.087	9.623 ± 0.684	130.1
91	-0.785 ± 0.088	0.836 ± 0.096	9.451 ± 0.714	127.8
92	-0.496 ± 0.056	0.897 ± 0.099	8.378 ± 0.700	113.3
93	-0.076 ± 0.016	0.984 ± 0.096	6.962 ± 0.653	94.1
94	0.104 ± 0.017	1.022 ± 0.109	6.400 ± 0.686	86.5
95	0.192 ± 0.029	1.040 ± 0.126	6.137 ± 0.739	83.0
96	0.515 ± 0.051	1.107 ± 0.108	5.227 ± 0.654	70.7
97	0.932 ± 0.118	1.194 ± 0.125	4.190 ± 0.681	56.7
98	1.054 ± 0.133	1.219 ± 0.141	3.913 ± 0.718	52.9
99	0.872 ± 0.106	1.182 ± 0.157	4.324 ± 0.775	58.5
100	0.741 ± 0.108	1.155 ± 0.198	4.635 ± 0.896	62.7
101	0.662 ± 0.088	1.138 ± 0.171	4.834 ± 0.830	65.4
102	0.833 ± 0.150	1.173 ± 0.186	4.422 ± 0.858	59.8
103	0.581 ± 0.113	1.121 ± 0.192	5.046 ± 0.895	68.2
104	0.469 ± 0.112	1.098 ± 0.215	5.346 ± 0.969	72.3
105	-0.049 ± 0.101	0.991 ± 0.222	6.860 ± 1.047	92.8
106	-0.095 ± 0.088	0.981 ± 0.188	7.006 ± 0.956	94.7
107	0.059 ± 0.046	1.013 ± 0.138	6.526 ± 0.788	88.2
108	0.021 ± 0.026	1.005 ± 0.123	6.644 ± 0.741	89.8

Events > 1 σ
Events > 1.5 σ
Events > 2 σ

109	-0.032 ± 0.031	0.994 ± 0.190	6.810 ± 0.955	92.1
110	0.005 ± 0.042	1.000 ± 0.201	6.714 ± 0.982	90.8
111	0.228 ± 0.066	1.047 ± 0.165	6.037 ± 0.853	81.6
112	0.367 ± 0.052	1.076 ± 0.140	5.630 ± 0.766	76.1
113	0.604 ± 0.088	1.127 ± 0.133	4.976 ± 0.728	67.3
114	0.602 ± 0.142	1.128 ± 0.150	4.964 ± 0.777	67.1
115	0.628 ± 0.162	1.134 ± 0.154	4.884 ± 0.787	66.0
116	0.795 ± 0.149	1.169 ± 0.153	4.470 ± 0.769	60.4
117	0.929 ± 0.137	1.197 ± 0.141	4.157 ± 0.726	56.2
118	1.082 ± 0.130	1.228 ± 0.116	3.819 ± 0.643	51.6
119	1.119 ± 0.124	1.236 ± 0.105	3.740 ± 0.608	50.6
120	1.014 ± 0.112	1.214 ± 0.105	3.971 ± 0.614	53.7
121	0.948 ± 0.101	1.200 ± 0.110	4.123 ± 0.633	55.7
122	0.906 ± 0.092	1.191 ± 0.118	4.224 ± 0.662	57.1
123	0.947 ± 0.107	1.198 ± 0.144	4.137 ± 0.733	55.9
124	1.015 ± 0.159	1.212 ± 0.179	3.992 ± 0.825	54.0
125	0.880 ± 0.140	1.184 ± 0.182	4.303 ± 0.842	58.2
126	0.928 ± 0.106	1.193 ± 0.137	4.193 ± 0.717	56.7
127	0.472 ± 0.113	1.100 ± 0.116	5.323 ± 0.684	72.0
128	0.228 ± 0.125	1.050 ± 0.137	5.994 ± 0.769	81.0
129	0.391 ± 0.102	1.083 ± 0.148	5.537 ± 0.789	74.9
130	0.331 ± 0.067	1.071 ± 0.123	5.710 ± 0.715	77.2
131	0.330 ± 0.053	1.070 ± 0.096	5.713 ± 0.627	77.2
132	0.375 ± 0.057	1.079 ± 0.126	5.591 ± 0.721	75.6
133	0.412 ± 0.061	1.087 ± 0.135	5.490 ± 0.748	74.2
134	0.161 ± 0.080	1.035 ± 0.131	6.199 ± 0.756	83.8
135	0.096 ± 0.080	1.022 ± 0.124	6.396 ± 0.737	86.5
136	-0.078 ± 0.106	0.985 ± 0.124	6.938 ± 0.753	93.8
137	-0.731 ± 0.248	0.850 ± 0.130	9.192 ± 0.840	124.3
138	-0.992 ± 0.166	0.796 ± 0.102	10.205 ± 0.759	138.0
139	-1.192 ± 0.232	0.754 ± 0.101	11.026 ± 0.781	149.1
140	-1.231 ± 0.298	0.745 ± 0.111	11.192 ± 0.827	151.3
141	-1.186 ± 0.221	0.755 ± 0.099	11.007 ± 0.769	148.8
142	-1.217 ± 0.190	0.748 ± 0.088	11.142 ± 0.724	150.6
143	-1.178 ± 0.193	0.756 ± 0.094	10.984 ± 0.749	148.5
144	-1.155 ± 0.276	0.760 ± 0.125	10.895 ± 0.877	147.3
145	-1.235 ± 0.486	0.744 ± 0.187	11.228 ± 1.121	151.8
146	-1.100 ± 0.309	0.771 ± 0.154	10.675 ± 0.978	144.3
147	-0.854 ± 0.192	0.823 ± 0.131	9.693 ± 0.860	131.1
148	-0.561 ± 0.110	0.884 ± 0.118	8.596 ± 0.777	116.2
149	-0.176 ± 0.038	0.964 ± 0.111	7.271 ± 0.715	98.3
150	0.126 ± 0.081	1.027 ± 0.155	6.317 ± 0.835	85.4
151	0.370 ± 0.150	1.079 ± 0.183	5.598 ± 0.891	75.7
152	0.529 ± 0.224	1.113 ± 0.207	5.151 ± 0.938	69.7
153	0.402 ± 0.241	1.087 ± 0.206	5.488 ± 0.949	74.2
154	-0.035 ± 0.310	0.996 ± 0.201	6.772 ± 0.986	91.6
155	-0.227 ± 0.330	0.956 ± 0.190	7.390 ± 0.977	99.9
156	-0.197 ± 0.286	0.963 ± 0.181	7.294 ± 0.946	98.6
157	0.040 ± 0.216	1.011 ± 0.187	6.550 ± 0.936	88.6
158	0.336 ± 0.150	1.072 ± 0.177	5.688 ± 0.878	76.9
159	0.456 ± 0.133	1.097 ± 0.162	5.360 ± 0.822	72.5
160	0.417 ± 0.102	1.088 ± 0.142	5.469 ± 0.767	74.0
161	0.409 ± 0.072	1.086 ± 0.166	5.498 ± 0.840	74.3
162	0.254 ± 0.042	1.054 ± 0.128	5.937 ± 0.740	80.3
163	0.057 ± 0.051	1.013 ± 0.127	6.527 ± 0.752	88.2
164	-0.137 ± 0.079	0.973 ± 0.131	7.137 ± 0.781	96.5
165	-0.278 ± 0.078	0.944 ± 0.112	7.597 ± 0.729	102.7
166	-0.401 ± 0.120	0.917 ± 0.135	8.027 ± 0.822	108.5
167	-0.490 ± 0.113	0.898 ± 0.142	8.350 ± 0.854	112.9
168	-0.601 ± 0.094	0.875 ± 0.127	8.755 ± 0.814	118.4
169	-0.832 ± 0.092	0.827 ± 0.091	9.625 ± 0.699	130.1
170	-0.567 ± 0.081	0.881 ± 0.150	8.639 ± 0.893	116.8
171	-0.552 ± 0.070	0.885 ± 0.128	8.582 ± 0.814	116.0
172	-0.376 ± 0.065	0.921 ± 0.097	7.967 ± 0.682	107.7
173	0.358 ± 0.078	1.073 ± 0.109	5.679 ± 0.668	76.8
174	0.492 ± 0.113	1.101 ± 0.132	5.305 ± 0.733	71.7
175	0.322 ± 0.070	1.067 ± 0.115	5.765 ± 0.690	77.9
176	0.140 ± 0.019	1.029 ± 0.099	6.287 ± 0.651	85.0
177	0.201 ± 0.032	1.042 ± 0.131	6.107 ± 0.754	82.6
178	0.151 ± 0.015	1.032 ± 0.095	6.248 ± 0.636	84.5
179	0.313 ± 0.032	1.065 ± 0.097	5.779 ± 0.630	78.1
180	0.537 ± 0.060	1.112 ± 0.110	5.167 ± 0.660	69.9
181	0.637 ± 0.074	1.132 ± 0.112	4.907 ± 0.659	66.3
182	0.700 ± 0.075	1.145 ± 0.107	4.754 ± 0.641	64.3
183	0.843 ± 0.146	1.174 ± 0.144	4.410 ± 0.741	59.6
184	0.890 ± 0.201	1.183 ± 0.183	4.304 ± 0.844	58.2
185	0.659 ± 0.154	1.136 ± 0.178	4.870 ± 0.851	65.8
186	0.836 ± 0.102	1.174 ± 0.150	4.417 ± 0.760	59.7
187	1.303 ± 0.177	1.272 ± 0.181	3.387 ± 0.806	45.8
188	2.033 ± 0.304	1.424 ± 0.212	2.169 ± 0.826	29.3
189	2.693 ± 0.293	1.562 ± 0.175	1.473 ± 0.706	19.9
190	3.164 ± 0.294	1.660 ± 0.154	1.210 ± 0.636	16.4
191	2.606 ± 0.238	1.544 ± 0.140	1.542 ± 0.630	20.8
192	1.859 ± 0.185	1.388 ± 0.143	2.415 ± 0.674	32.6
193	1.304 ± 0.154	1.272 ± 0.150	3.381 ± 0.725	45.7
194	1.040 ± 0.104	1.217 ± 0.116	3.933 ± 0.646	53.2
195	0.952 ± 0.097	1.200 ± 0.111	4.124 ± 0.636	55.8
196	0.944 ± 0.114	1.199 ± 0.131	4.133 ± 0.697	55.9
197	0.788 ± 0.144	1.167 ± 0.133	4.498 ± 0.713	60.8
198	0.615 ± 0.125	1.130 ± 0.126	4.937 ± 0.703	66.8
199	0.338 ± 0.078	1.072 ± 0.108	5.686 ± 0.666	76.9
200	0.000 ± 0.059	1.001 ± 0.132	6.698 ± 0.774	90.6
201	-0.194 ± 0.040	0.960 ± 0.132	7.328 ± 0.792	99.1
202	-0.401 ± 0.054	0.917 ± 0.121	8.029 ± 0.771	108.6
203	-0.529 ± 0.087	0.891 ± 0.109	8.480 ± 0.742	114.7
204	-0.574 ± 0.102	0.881 ± 0.097	8.641 ± 0.701	116.8
205	-0.413 ± 0.088	0.915 ± 0.098	8.065 ± 0.690	109.1
206	-0.122 ± 0.068	0.976 ± 0.107	7.084 ± 0.698	95.8
207	0.157 ± 0.092	1.035 ± 0.125	6.209 ± 0.735	84.0
208	0.419 ± 0.100	1.090 ± 0.133	5.455 ± 0.740	73.8
209	0.703 ± 0.089	1.148 ± 0.129	4.715 ± 0.708	63.7
210	0.669 ± 0.092	1.141 ± 0.147	4.798 ± 0.762	64.9
211	0.861 ± 0.102	1.181 ± 0.133	4.334 ± 0.708	58.6
212	1.129 ± 0.148	1.236 ± 0.154	3.740 ± 0.748	50.6
213	1.394 ± 0.242	1.290 ± 0.217	3.210 ± 0.886	43.4
214	1.490 ± 0.199	1.310 ± 0.176	3.032 ± 0.781	41.0
215	1.453 ± 0.217	1.303 ± 0.191	3.096 ± 0.819	41.9
216	1.496 ± 0.257	1.312 ± 0.218	3.016 ± 0.880	40.8
217	1.528 ± 0.245	1.319 ± 0.210	2.961 ± 0.860	40.0

218	1.279 ± 0.175	1.266 ± 0.170	3.439 ± 0.782	46.5
219	1.046 ± 0.125	1.217 ± 0.143	3.933 ± 0.724	53.2
220	0.733 ± 0.084	1.153 ± 0.127	4.663 ± 0.698	63.1
221	0.297 ± 0.051	1.063 ± 0.109	5.811 ± 0.673	78.6
222	-0.285 ± 0.071	0.942 ± 0.097	7.619 ± 0.673	103.0
223	-0.784 ± 0.087	0.838 ± 0.092	9.419 ± 0.700	127.3
224	-1.084 ± 0.101	0.775 ± 0.090	10.608 ± 0.719	143.4
225	-1.220 ± 0.121	0.747 ± 0.087	11.170 ± 0.721	151.0
226	-1.288 ± 0.132	0.732 ± 0.087	11.459 ± 0.729	154.9
227	-1.209 ± 0.123	0.749 ± 0.092	11.117 ± 0.744	150.3
228	-1.153 ± 0.172	0.761 ± 0.103	10.879 ± 0.782	147.1
229	-1.075 ± 0.251	0.778 ± 0.114	10.547 ± 0.819	142.6
230	-0.702 ± 0.174	0.856 ± 0.109	9.097 ± 0.758	123.0
231	-0.268 ± 0.087	0.946 ± 0.110	7.557 ± 0.720	102.2
232	-0.123 ± 0.097	0.977 ± 0.113	7.072 ± 0.718	95.6
233	-0.208 ± 0.075	0.959 ± 0.101	7.354 ± 0.684	99.4
234	-0.203 ± 0.055	0.959 ± 0.096	7.352 ± 0.663	99.4
235	-0.177 ± 0.046	0.964 ± 0.099	7.276 ± 0.674	98.4
236	-0.145 ± 0.036	0.970 ± 0.100	7.177 ± 0.676	97.0
237	-0.087 ± 0.034	0.981 ± 0.104	7.001 ± 0.686	94.7
238	0.013 ± 0.043	1.001 ± 0.114	6.696 ± 0.713	90.5
239	0.151 ± 0.054	1.030 ± 0.116	6.278 ± 0.707	84.9
240	0.262 ± 0.064	1.053 ± 0.111	5.953 ± 0.681	80.5
241	0.256 ± 0.066	1.052 ± 0.109	5.971 ± 0.675	80.7
242	0.178 ± 0.064	1.035 ± 0.108	6.200 ± 0.681	83.8
243	-0.125 ± 0.063	0.973 ± 0.106	7.133 ± 0.694	96.4
244	-0.505 ± 0.063	0.894 ± 0.101	8.419 ± 0.710	113.8
245	-0.606 ± 0.065	0.873 ± 0.093	8.784 ± 0.685	118.8
246	-0.695 ± 0.116	0.854 ± 0.113	9.116 ± 0.774	123.3
247	-0.544 ± 0.179	0.885 ± 0.180	8.573 ± 0.991	115.9
248	-0.640 ± 0.181	0.865 ± 0.140	8.925 ± 0.868	120.7
249	-0.757 ± 0.149	0.840 ± 0.109	9.370 ± 0.765	126.7
250	-0.982 ± 0.147	0.794 ± 0.124	10.232 ± 0.850	138.3
251	-0.959 ± 0.124	0.799 ± 0.108	10.133 ± 0.783	137.0
252	-0.674 ± 0.081	0.859 ± 0.095	9.036 ± 0.701	122.2
253	-0.291 ± 0.049	0.939 ± 0.105	7.665 ± 0.704	103.6
254	0.109 ± 0.032	1.023 ± 0.119	6.371 ± 0.722	86.1
255	0.810 ± 0.114	1.169 ± 0.152	4.466 ± 0.767	60.4
256	1.560 ± 0.182	1.325 ± 0.156	2.905 ± 0.726	39.3
257	1.888 ± 0.203	1.393 ± 0.157	2.381 ± 0.710	32.2
258	2.063 ± 0.231	1.429 ± 0.166	2.138 ± 0.720	28.9
259	1.798 ± 0.200	1.374 ± 0.160	2.520 ± 0.722	34.1
260	1.457 ± 0.170	1.303 ± 0.157	3.102 ± 0.735	41.9
261	1.181 ± 0.153	1.246 ± 0.162	3.640 ± 0.766	49.2
262	1.093 ± 0.128	1.228 ± 0.146	3.826 ± 0.730	51.7
263	1.024 ± 0.137	1.213 ± 0.169	3.979 ± 0.796	53.8
264	0.874 ± 0.122	1.181 ± 0.189	4.327 ± 0.862	58.5
265	0.676 ± 0.094	1.140 ± 0.181	4.813 ± 0.857	65.1
266	0.563 ± 0.073	1.117 ± 0.143	5.104 ± 0.761	69.0
267	0.332 ± 0.046	1.069 ± 0.150	5.732 ± 0.799	77.5
268	0.264 ± 0.029	1.055 ± 0.118	5.924 ± 0.706	80.1
269	0.200 ± 0.021	1.042 ± 0.096	6.106 ± 0.636	82.6
270	0.023 ± 0.018	1.005 ± 0.110	6.644 ± 0.697	89.8
271	-0.144 ± 0.020	0.970 ± 0.115	7.176 ± 0.729	97.0
272	-0.185 ± 0.021	0.962 ± 0.109	7.308 ± 0.710	98.8
273	-0.213 ± 0.022	0.956 ± 0.100	7.404 ± 0.678	100.1
274	-0.250 ± 0.026	0.948 ± 0.094	7.526 ± 0.660	101.8
275	-0.310 ± 0.035	0.935 ± 0.096	7.730 ± 0.671	104.5
276	-0.340 ± 0.040	0.929 ± 0.097	7.834 ± 0.680	105.9
277	-0.285 ± 0.041	0.940 ± 0.107	7.653 ± 0.712	103.5
278	-0.189 ± 0.046	0.960 ± 0.111	7.338 ± 0.717	99.2
279	-0.110 ± 0.054	0.976 ± 0.097	7.086 ± 0.662	95.8
280	-0.170 ± 0.048	0.964 ± 0.091	7.278 ± 0.642	98.4
281	-0.144 ± 0.025	0.970 ± 0.093	7.177 ± 0.648	97.0
282	0.089 ± 0.017	1.019 ± 0.125	6.438 ± 0.741	87.0
283	0.525 ± 0.085	1.109 ± 0.168	5.199 ± 0.835	70.3
284	1.154 ± 0.198	1.239 ± 0.178	3.705 ± 0.811	50.1
285	1.519 ± 0.226	1.316 ± 0.178	2.988 ± 0.783	40.4
286	1.566 ± 0.186	1.326 ± 0.161	2.897 ± 0.737	39.2
287	1.310 ± 0.189	1.273 ± 0.177	3.376 ± 0.795	45.6
288	1.029 ± 0.170	1.214 ± 0.175	3.973 ± 0.812	53.7
289	0.755 ± 0.139	1.157 ± 0.185	4.615 ± 0.862	62.4
290	0.776 ± 0.120	1.160 ± 0.195	4.572 ± 0.887	61.8
291	0.712 ± 0.096	1.147 ± 0.192	4.732 ± 0.884	64.0
292	0.592 ± 0.074	1.122 ± 0.129	5.033 ± 0.716	68.1
293	0.613 ± 0.085	1.127 ± 0.099	4.978 ± 0.617	67.3
294	0.484 ± 0.057	1.100 ± 0.096	5.317 ± 0.616	71.9
295	0.329 ± 0.034	1.068 ± 0.105	5.739 ± 0.658	77.6
296	0.000 ± 0.072	1.000 ± 0.149	6.721 ± 0.827	90.9
297	-0.338 ± 0.135	0.929 ± 0.205	7.833 ± 1.039	105.9
298	-0.653 ± 0.128	0.864 ± 0.174	8.954 ± 0.985	121.1
299	-0.851 ± 0.085	0.823 ± 0.095	9.696 ± 0.718	131.1
300	-0.930 ± 0.088	0.806 ± 0.077	10.005 ± 0.648	135.3
301	-0.856 ± 0.098	0.822 ± 0.092	9.717 ± 0.706	131.4
302	-0.708 ± 0.064	0.852 ± 0.072	9.166 ± 0.605	123.9
303	-0.646 ± 0.108	0.864 ± 0.083	8.945 ± 0.649	120.9
304	-0.605 ± 0.161	0.872 ± 0.107	8.810 ± 0.743	119.1
305	-0.447 ± 0.117	0.904 ± 0.097	8.246 ± 0.690	111.5
306	-0.356 ± 0.074	0.924 ± 0.080	7.925 ± 0.614	107.2
307	-0.015 ± 0.077	0.995 ± 0.122	6.794 ± 0.742	91.9
308	0.529 ± 0.090	1.109 ± 0.119	5.207 ± 0.691	70.4
309	0.695 ± 0.084	1.144 ± 0.117	4.769 ± 0.672	64.5
310	0.603 ± 0.069	1.125 ± 0.121	4.999 ± 0.692	67.6
311	0.442 ± 0.054	1.092 ± 0.128	5.421 ± 0.723	73.3
312	0.261 ± 0.030	1.055 ± 0.107	5.928 ± 0.669	80.1
313	0.157 ± 0.031	1.033 ± 0.105	6.231 ± 0.671	84.2
314	-0.051 ± 0.036	0.990 ± 0.125	6.868 ± 0.754	92.9
315	-0.251 ± 0.049	0.949 ± 0.147	7.512 ± 0.845	101.6
316	-0.453 ± 0.074	0.907 ± 0.150	8.208 ± 0.877	111.0
317	-0.730 ± 0.098	0.848 ± 0.146	9.226 ± 0.900	124.7
318	-0.460 ± 0.086	0.905 ± 0.133	8.243 ± 0.821	111.4
319	-0.127 ± 0.070	0.974 ± 0.116	7.108 ± 0.731	96.1
320	-0.167 ± 0.066	0.966 ± 0.109	7.234 ± 0.709	97.8
321	-0.409 ± 0.064	0.916 ± 0.109	8.056 ± 0.730	108.9
322	-0.511 ± 0.065	0.894 ± 0.124	8.421 ± 0.796	113.9
323	-0.474 ± 0.057	0.902 ± 0.156	8.287 ± 0.900	112.0
324	-0.487 ± 0.070	0.900 ± 0.180	8.327 ± 0.980	112.6
325	-0.502 ± 0.118	0.897 ± 0.152	8.370 ± 0.891	113.2
326	-0.233 ± 0.099	0.953 ± 0.134	7.444 ± 0.802	100.6

327	0.130 ± 0.058	1.028 ± 0.132	6.310 ± 0.762	85.3
328	0.300 ± 0.040	1.062 ± 0.135	5.820 ± 0.757	78.7
329	0.096 ± 0.078	1.019 ± 0.150	6.435 ± 0.823	87.0
330	-0.211 ± 0.149	0.954 ± 0.169	7.430 ± 0.912	100.5
331	-0.752 ± 0.210	0.841 ± 0.127	9.357 ± 0.835	126.5
332	-1.074 ± 0.177	0.775 ± 0.098	10.614 ± 0.753	143.5
333	-1.176 ± 0.143	0.754 ± 0.076	11.028 ± 0.666	149.1
334	-1.175 ± 0.119	0.754 ± 0.065	11.023 ± 0.614	149.0
335	-1.144 ± 0.110	0.760 ± 0.072	10.896 ± 0.644	147.3
336	-1.005 ± 0.100	0.789 ± 0.094	10.329 ± 0.731	139.7
337	-1.056 ± 0.138	0.779 ± 0.093	10.532 ± 0.731	142.4
338	-1.105 ± 0.185	0.769 ± 0.115	10.724 ± 0.829	145.0
339	-1.132 ± 0.202	0.764 ± 0.128	10.823 ± 0.884	146.3
340	-1.166 ± 0.156	0.757 ± 0.103	10.955 ± 0.786	148.1
341	-1.156 ± 0.115	0.760 ± 0.078	10.906 ± 0.674	147.5
342	-1.103 ± 0.109	0.770 ± 0.084	10.694 ± 0.697	144.6
343	-1.116 ± 0.152	0.768 ± 0.110	10.739 ± 0.810	145.2
344	-1.107 ± 0.147	0.770 ± 0.118	10.712 ± 0.841	144.8
345	-1.224 ± 0.226	0.745 ± 0.126	11.209 ± 0.888	151.6
346	-1.290 ± 0.312	0.730 ± 0.135	11.507 ± 0.937	155.6
347	-1.112 ± 0.282	0.767 ± 0.138	10.757 ± 0.921	145.4
348	-0.749 ± 0.164	0.844 ± 0.138	9.309 ± 0.871	125.9
349	-0.327 ± 0.047	0.932 ± 0.132	7.780 ± 0.804	105.2
350	-0.145 ± 0.027	0.970 ± 0.118	7.173 ± 0.738	97.0
351	-0.047 ± 0.027	0.991 ± 0.164	6.859 ± 0.879	92.7
352	0.013 ± 0.021	1.003 ± 0.152	6.675 ± 0.836	90.3
353	-0.014 ± 0.026	0.997 ± 0.149	6.765 ± 0.830	91.5
354	-0.180 ± 0.036	0.962 ± 0.162	7.301 ± 0.886	98.7
355	-0.437 ± 0.049	0.909 ± 0.126	8.164 ± 0.796	110.4
356	-0.531 ± 0.058	0.890 ± 0.084	8.488 ± 0.641	114.8
357	-0.609 ± 0.077	0.874 ± 0.061	8.768 ± 0.544	118.5
358	-0.479 ± 0.068	0.901 ± 0.063	8.296 ± 0.547	112.2
359	-0.321 ± 0.050	0.934 ± 0.061	7.747 ± 0.526	104.8
360	-0.369 ± 0.052	0.924 ± 0.074	7.920 ± 0.586	107.1
361	-0.525 ± 0.084	0.891 ± 0.100	8.480 ± 0.707	114.7
362	-0.640 ± 0.116	0.866 ± 0.128	8.910 ± 0.823	120.5
363	-0.551 ± 0.103	0.884 ± 0.146	8.587 ± 0.876	116.1
364	-0.502 ± 0.082	0.895 ± 0.122	8.406 ± 0.788	113.7
365	-0.298 ± 0.069	0.938 ± 0.118	7.693 ± 0.755	104.0
366	-0.055 ± 0.066	0.989 ± 0.112	6.885 ± 0.711	93.1
367	0.218 ± 0.061	1.046 ± 0.113	6.043 ± 0.690	81.7
368	0.179 ± 0.061	1.037 ± 0.139	6.170 ± 0.781	83.4
369	0.155 ± 0.073	1.032 ± 0.144	6.252 ± 0.798	84.5
370	0.183 ± 0.071	1.037 ± 0.131	6.174 ± 0.755	83.5
371	0.241 ± 0.062	1.050 ± 0.143	5.993 ± 0.786	81.0
372	0.336 ± 0.046	1.070 ± 0.138	5.712 ± 0.763	77.2
373	0.237 ± 0.029	1.050 ± 0.119	5.996 ± 0.712	81.1
374	0.141 ± 0.018	1.029 ± 0.108	6.284 ± 0.681	85.0
375	0.200 ± 0.036	1.041 ± 0.117	6.117 ± 0.708	82.7
376	0.287 ± 0.043	1.059 ± 0.123	5.865 ± 0.720	79.3
377	0.426 ± 0.090	1.088 ± 0.162	5.476 ± 0.828	74.0
378	0.522 ± 0.068	1.108 ± 0.139	5.216 ± 0.752	70.5
379	0.522 ± 0.055	1.108 ± 0.127	5.210 ± 0.716	70.4
380	0.496 ± 0.058	1.104 ± 0.130	5.272 ± 0.727	71.3
381	0.262 ± 0.053	1.055 ± 0.124	5.930 ± 0.725	80.2
382	0.240 ± 0.066	1.049 ± 0.109	6.009 ± 0.677	81.3
383	0.096 ± 0.072	1.018 ± 0.100	6.446 ± 0.656	87.2
384	-0.222 ± 0.082	0.952 ± 0.100	7.463 ± 0.682	100.9
385	-0.471 ± 0.099	0.900 ± 0.097	8.322 ± 0.691	112.5
386	-0.376 ± 0.076	0.920 ± 0.088	7.984 ± 0.647	107.9
387	-0.650 ± 0.044	0.863 ± 0.051	8.971 ± 0.498	121.3
388	-0.392 ± 0.024	0.917 ± 0.057	8.036 ± 0.515	108.7
389	-0.378 ± 0.037	0.920 ± 0.092	7.985 ± 0.665	108.0
390	-0.364 ± 0.050	0.923 ± 0.128	7.933 ± 0.794	107.3
391	-0.338 ± 0.051	0.928 ± 0.142	7.843 ± 0.839	106.0
392	-0.306 ± 0.047	0.935 ± 0.146	7.735 ± 0.850	104.6
393	-0.250 ± 0.044	0.947 ± 0.149	7.543 ± 0.853	102.0
394	0.031 ± 0.047	1.006 ± 0.138	6.625 ± 0.790	89.6
395	0.312 ± 0.049	1.066 ± 0.127	5.778 ± 0.731	78.1
396	0.427 ± 0.046	1.090 ± 0.118	5.452 ± 0.691	73.7
397	0.387 ± 0.039	1.082 ± 0.109	5.560 ± 0.666	75.2
398	0.348 ± 0.032	1.073 ± 0.101	5.670 ± 0.640	76.7
399	0.401 ± 0.033	1.085 ± 0.093	5.520 ± 0.609	74.6
400	0.460 ± 0.035	1.097 ± 0.085	5.356 ± 0.578	72.4
401	0.567 ± 0.047	1.120 ± 0.088	5.068 ± 0.584	68.5
402	0.758 ± 0.078	1.160 ± 0.112	4.574 ± 0.651	61.8
403	0.950 ± 0.109	1.201 ± 0.136	4.113 ± 0.709	55.6
404	1.079 ± 0.132	1.228 ± 0.149	3.824 ± 0.738	51.7
405	1.189 ± 0.153	1.251 ± 0.159	3.590 ± 0.758	48.5
406	1.225 ± 0.162	1.258 ± 0.164	3.516 ± 0.769	47.5
407	0.874 ± 0.114	1.184 ± 0.143	4.295 ± 0.735	58.1
408	0.523 ± 0.066	1.110 ± 0.121	5.183 ± 0.694	70.1
409	0.172 ± 0.018	1.037 ± 0.099	6.182 ± 0.646	83.6
410	0.393 ± 0.046	1.083 ± 0.112	5.541 ± 0.675	74.9
411	0.699 ± 0.086	1.147 ± 0.130	4.724 ± 0.711	63.9
412	1.005 ± 0.125	1.212 ± 0.148	3.991 ± 0.741	54.0
413	0.835 ± 0.127	1.176 ± 0.144	4.391 ± 0.741	59.4
414	0.319 ± 0.101	1.067 ± 0.123	5.757 ± 0.717	77.8
415	-0.197 ± 0.075	0.958 ± 0.102	7.362 ± 0.686	99.5
416	-0.580 ± 0.059	0.877 ± 0.088	8.710 ± 0.665	117.8
417	-0.639 ± 0.069	0.865 ± 0.092	8.929 ± 0.685	120.7
418	-0.698 ± 0.080	0.852 ± 0.095	9.152 ± 0.705	123.7
419	-0.757 ± 0.090	0.840 ± 0.099	9.378 ± 0.726	126.8
420	-0.750 ± 0.088	0.842 ± 0.098	9.350 ± 0.720	126.4
421	-0.743 ± 0.086	0.843 ± 0.097	9.322 ± 0.715	126.0
422	-0.736 ± 0.084	0.845 ± 0.095	9.295 ± 0.709	125.7
423	-0.719 ± 0.084	0.848 ± 0.098	9.229 ± 0.720	124.8
424	-0.698 ± 0.085	0.853 ± 0.103	9.147 ± 0.737	123.7
425	-0.677 ± 0.085	0.857 ± 0.108	9.065 ± 0.754	122.6
426	-0.703 ± 0.094	0.852 ± 0.113	9.163 ± 0.775	123.9
427	-0.797 ± 0.115	0.832 ± 0.117	9.524 ± 0.802	128.8
428	-0.890 ± 0.135	0.812 ± 0.122	9.894 ± 0.831	133.8
429	-0.840 ± 0.139	0.822 ± 0.119	9.700 ± 0.814	131.2
430	-0.441 ± 0.102	0.907 ± 0.099	8.203 ± 0.696	110.9
431	-0.042 ± 0.065	0.991 ± 0.079	6.850 ± 0.585	92.6
432	0.357 ± 0.027	1.076 ± 0.058	5.640 ± 0.479	76.3
433	0.419 ± 0.039	1.089 ± 0.104	5.468 ± 0.646	73.9
434	0.412 ± 0.061	1.087 ± 0.163	5.491 ± 0.829	74.2
435	0.411 ± 0.063	1.087 ± 0.167	5.493 ± 0.842	74.3

436	0.416 ± 0.045	1.088 ± 0.117	5.474 ± 0.691	74.0
437	0.448 ± 0.047	1.095 ± 0.109	5.385 ± 0.661	72.8
438	**0.521 ± 0.081**	**1.110 ± 0.165**	**5.188 ± 0.826**	70.2
439	0.440 ± 0.095	1.093 ± 0.187	5.413 ± 0.895	73.2
440	-0.039 ± 0.061	0.992 ± 0.122	6.842 ± 0.743	92.5
441	-0.455 ± 0.038	0.904 ± 0.072	8.252 ± 0.587	111.6
442	-0.567 ± 0.066	0.880 ± 0.096	8.659 ± 0.697	117.1
443	-0.645 ± 0.092	0.864 ± 0.121	8.946 ± 0.800	121.0
444	-0.170 ± 0.076	0.964 ± 0.157	7.271 ± 0.869	98.3
445	0.304 ± 0.061	1.064 ± 0.192	5.799 ± 0.924	78.4
446	0.570 ± 0.047	1.120 ± 0.126	5.058 ± 0.707	68.4
447	**0.824 ± 0.033**	**1.174 ± 0.054**	**4.408 ± 0.441**	59.6
448	0.674 ± 0.027	1.142 ± 0.050	4.786 ± 0.428	64.7
449	0.446 ± 0.023	1.094 ± 0.059	5.396 ± 0.476	73.0
450	0.400 ± 0.022	1.084 ± 0.059	5.523 ± 0.480	74.7
451	0.421 ± 0.022	1.089 ± 0.057	5.460 ± 0.469	73.8
452	0.346 ± 0.017	1.073 ± 0.051	5.671 ± 0.445	76.7
453	0.212 ± 0.009	1.045 ± 0.042	6.064 ± 0.410	82.0
454	-0.346 ± 0.046	0.927 ± 0.042	7.866 ± 0.437	106.4
455	-1.312 ± 0.127	0.723 ± 0.051	11.644 ± 0.549	157.4
456	-1.743 ± 0.155	0.632 ± 0.054	13.601 ± 0.610	183.9
457	-1.372 ± 0.103	0.710 ± 0.049	11.909 ± 0.545	161.0
458	-1.108 ± 0.072	0.766 ± 0.050	10.782 ± 0.529	145.8
459				
460				
461				
462				
463				
464				
465				
466				
467				
468				
469				
470				
471				
472				
473		Removed for geomagnetic interpretation		
474				
475				
476				
477				
478				
479				
480				
481				
482				
483				
484				
485				
486				
487	-0.836 ± 0.079	0.823 ± 0.078	9.687 ± 0.642	131.0
488	-0.557 ± 0.045	0.882 ± 0.062	8.628 ± 0.550	116.7
489	-0.380 ± 0.019	0.920 ± 0.039	7.991 ± 0.418	108.0
490	-0.220 ± 0.007	0.953 ± 0.047	7.441 ± 0.455	100.6
491	**-0.070 ± 0.003**	**0.985 ± 0.074**	**6.947 ± 0.567**	93.9
492	-0.246 ± 0.015	0.948 ± 0.071	7.524 ± 0.566	101.7
493	-0.596 ± 0.034	0.874 ± 0.052	8.763 ± 0.501	118.5
494	-0.437 ± 0.027	0.908 ± 0.060	8.186 ± 0.532	110.7
495	-0.248 ± 0.018	0.948 ± 0.069	7.533 ± 0.557	101.8
496	-0.230 ± 0.014	0.952 ± 0.058	7.469 ± 0.510	101.0
497	-0.369 ± 0.048	0.922 ± 0.075	7.948 ± 0.595	107.5
498	-0.757 ± 0.140	0.840 ± 0.135	9.370 ± 0.865	126.7
499	-0.827 ± 0.119	0.826 ± 0.111	9.642 ± 0.782	130.4
500	-0.718 ± 0.035	0.848 ± 0.040	9.223 ± 0.444	124.7
501	-0.669 ± 0.027	0.859 ± 0.035	9.033 ± 0.409	122.1
502	-0.633 ± 0.035	0.867 ± 0.047	8.895 ± 0.480	120.3
503	-0.638 ± 0.094	0.866 ± 0.127	8.915 ± 0.822	120.5
504	-0.628 ± 0.108	0.868 ± 0.147	8.882 ± 0.892	120.1
505	-0.595 ± 0.049	0.874 ± 0.070	8.761 ± 0.587	118.5
506	-0.630 ± 0.033	0.867 ± 0.045	8.893 ± 0.465	120.2
507	-0.703 ± 0.042	0.851 ± 0.050	9.177 ± 0.500	124.1
508	-0.906 ± 0.077	0.809 ± 0.064	9.958 ± 0.584	134.6
509	-1.096 ± 0.107	0.769 ± 0.075	10.721 ± 0.653	145.0
510	-1.050 ± 0.078	0.778 ± 0.057	10.542 ± 0.558	142.5
511	-1.003 ± 0.054	0.788 ± 0.042	10.354 ± 0.474	140.0
512	-0.955 ± 0.041	0.799 ± 0.034	10.149 ± 0.423	137.2
513	-0.992 ± 0.083	0.791 ± 0.061	10.297 ± 0.574	139.2
514	-1.087 ± 0.164	0.770 ± 0.111	10.694 ± 0.810	144.6
515	-0.895 ± 0.177	0.811 ± 0.126	9.914 ± 0.845	134.0
516	-0.251 ± 0.086	0.947 ± 0.086	7.539 ± 0.629	101.9
517	0.281 ± 0.015	1.060 ± 0.056	5.859 ± 0.473	79.2
518	0.367 ± 0.024	1.078 ± 0.068	5.611 ± 0.519	75.9
519	0.453 ± 0.033	1.096 ± 0.080	5.370 ± 0.560	72.6
520	0.299 ± 0.024	1.063 ± 0.098	5.809 ± 0.635	78.5
521	0.145 ± 0.015	1.031 ± 0.116	6.269 ± 0.709	84.8
522	0.346 ± 0.045	1.073 ± 0.132	5.675 ± 0.743	76.7
523	**0.636 ± 0.084**	**1.134 ± 0.147**	**4.883 ± 0.765**	66.0
524	0.632 ± 0.076	1.134 ± 0.124	4.894 ± 0.696	66.2
525	0.431 ± 0.037	1.091 ± 0.075	5.435 ± 0.541	73.5
526	0.117 ± 0.018	1.024 ± 0.046	6.357 ± 0.431	86.0
527	-0.363 ± 0.029	0.923 ± 0.045	7.932 ± 0.451	107.2
528	-0.676 ± 0.035	0.857 ± 0.050	9.075 ± 0.496	122.7
529	-0.368 ± 0.021	0.922 ± 0.078	7.947 ± 0.604	107.4
530	-0.061 ± 0.007	0.987 ± 0.105	6.909 ± 0.686	93.4
531	0.124 ± 0.016	1.026 ± 0.095	6.332 ± 0.637	85.6
532	0.309 ± 0.025	1.065 ± 0.086	5.785 ± 0.590	78.2
533	0.890 ± 0.126	1.188 ± 0.136	4.254 ± 0.714	57.5
534	1.558 ± 0.246	1.329 ± 0.199	2.871 ± 0.830	38.8
535	1.851 ± 0.282	1.391 ± 0.212	2.392 ± 0.839	32.3
536	1.914 ± 0.265	1.404 ± 0.195	2.300 ± 0.795	31.1
537	1.972 ± 0.251	1.417 ± 0.181	2.218 ± 0.759	30.0
538	2.024 ± 0.242	1.428 ± 0.171	2.147 ± 0.732	29.0
539	1.928 ± 0.224	1.408 ± 0.166	2.278 ± 0.726	30.8
540	1.343 ± 0.175	1.284 ± 0.179	3.271 ± 0.798	44.2
541	0.760 ± 0.127	1.161 ± 0.191	4.569 ± 0.876	61.8
542	0.217 ± 0.095	1.046 ± 0.162	6.049 ± 0.845	81.8
543	-0.325 ± 0.063	0.931 ± 0.132	7.794 ± 0.805	105.4
544	-0.368 ± 0.045	0.923 ± 0.107	7.941 ± 0.720	107.4

545	-0.308 ± 0.029	0.935 ± 0.083	7.731 ± 0.621	104.5
546	-0.346 ± 0.039	0.927 ± 0.093	7.862 ± 0.665	106.3
547	-0.442 ± 0.064	0.907 ± 0.124	8.197 ± 0.788	110.8
548	-0.289 ± 0.073	0.939 ± 0.134	7.664 ± 0.808	103.6
549	0.179 ± 0.061	1.038 ± 0.119	6.162 ± 0.714	83.3
550	**0.434 ± 0.049**	**1.092 ± 0.101**	**5.426 ± 0.635**	73.4
551	0.015 ± 0.035	1.003 ± 0.075	6.672 ± 0.569	90.2
552	-0.399 ± 0.023	0.915 ± 0.051	8.061 ± 0.485	109.0
553	-0.717 ± 0.048	0.848 ± 0.052	9.229 ± 0.512	124.8
554	-1.035 ± 0.072	0.781 ± 0.054	10.487 ± 0.543	141.8
555	-1.015 ± 0.097	0.786 ± 0.078	10.398 ± 0.662	140.6
556	-0.934 ± 0.122	0.803 ± 0.107	10.067 ± 0.777	136.1
557	-1.113 ± 0.111	0.765 ± 0.090	10.797 ± 0.726	146.0
558	-1.431 ± 0.079	0.698 ± 0.049	12.171 ± 0.547	164.6
559	-1.576 ± 0.077	0.667 ± 0.034	12.827 ± 0.463	173.4
560	-1.509 ± 0.111	0.681 ± 0.052	12.523 ± 0.571	169.3
561	-1.479 ± 0.148	0.688 ± 0.069	12.387 ± 0.663	167.5
562	-1.559 ± 0.198	0.671 ± 0.084	12.750 ± 0.750	172.4
563	-1.624 ± 0.242	0.657 ± 0.098	13.046 ± 0.829	176.4
564	-1.440 ± 0.212	0.696 ± 0.102	12.214 ± 0.821	165.1
565	-1.256 ± 0.181	0.735 ± 0.106	11.412 ± 0.815	154.3
566	-1.191 ± 0.157	0.749 ± 0.098	11.129 ± 0.770	150.5
567	-1.145 ± 0.133	0.759 ± 0.088	10.929 ± 0.718	147.8
568	-0.694 ± 0.094	0.854 ± 0.082	9.131 ± 0.651	123.5
569	-0.036 ± 0.048	0.992 ± 0.080	6.832 ± 0.591	92.4
570	0.189 ± 0.023	1.040 ± 0.080	6.135 ± 0.574	82.9
571	-0.074 ± 0.023	0.984 ± 0.081	6.953 ± 0.597	94.0
572	-0.247 ± 0.022	0.948 ± 0.091	7.525 ± 0.648	101.7
573	-0.176 ± 0.020	0.963 ± 0.124	7.286 ± 0.761	98.5
574	-0.091 ± 0.018	0.981 ± 0.153	7.006 ± 0.848	94.7
575	0.181 ± 0.033	1.039 ± 0.134	6.155 ± 0.763	83.2
576	0.453 ± 0.048	1.096 ± 0.115	5.371 ± 0.682	72.6
577	0.526 ± 0.105	1.111 ± 0.212	5.175 ± 0.954	70.0
578	0.584 ± 0.166	1.123 ± 0.318	5.023 ± 1.205	67.9
579	0.104 ± 0.117	1.022 ± 0.225	6.397 ± 1.037	86.5
580	-0.416 ± 0.059	0.912 ± 0.118	8.122 ± 0.763	109.8
581	-0.001 ± 0.050	0.999 ± 0.104	6.728 ± 0.679	91.0
582	0.483 ± 0.045	1.102 ± 0.098	5.294 ± 0.624	71.6
583	0.479 ± 0.041	1.101 ± 0.095	5.306 ± 0.611	71.7
584	0.444 ± 0.037	1.093 ± 0.091	5.404 ± 0.601	73.1
585	1.008 ± 0.115	1.213 ± 0.127	3.981 ± 0.679	53.8
586	1.611 ± 0.199	1.340 ± 0.165	2.780 ± 0.743	37.6
587	0.928 ± 0.112	1.196 ± 0.127	4.162 ± 0.684	56.3
588	0.163 ± 0.015	1.035 ± 0.084	6.210 ± 0.591	84.0
589	0.282 ± 0.038	1.060 ± 0.120	5.857 ± 0.710	79.2
590	0.457 ± 0.068	1.097 ± 0.162	5.360 ± 0.822	72.5
591	-0.172 ± 0.077	0.964 ± 0.123	7.277 ± 0.758	98.4
592	-0.852 ± 0.084	0.820 ± 0.079	9.753 ± 0.649	131.9
593	-0.868 ± 0.092	0.817 ± 0.087	9.809 ± 0.686	132.6
594	-0.842 ± 0.100	0.823 ± 0.098	9.697 ± 0.732	131.1
595	-0.742 ± 0.081	0.844 ± 0.090	9.311 ± 0.687	125.9
596	-0.637 ± 0.060	0.866 ± 0.081	8.916 ± 0.638	120.5
597	-0.867 ± 0.082	0.817 ± 0.077	9.799 ± 0.641	132.5
598	-1.119 ± 0.107	0.764 ± 0.073	10.818 ± 0.648	146.3
599	-1.012 ± 0.081	0.786 ± 0.061	10.384 ± 0.580	140.4
600	-0.883 ± 0.053	0.813 ± 0.049	9.870 ± 0.504	133.5
601	-1.000 ± 0.053	0.789 ± 0.043	10.340 ± 0.479	139.8
602	-1.134 ± 0.056	0.761 ± 0.037	10.888 ± 0.454	147.2
603	-1.110 ± 0.105	0.766 ± 0.073	10.790 ± 0.648	145.9
604	-1.077 ± 0.156	0.773 ± 0.112	10.652 ± 0.815	144.0
605	-0.708 ± 0.093	0.850 ± 0.090	9.188 ± 0.683	124.2
606	-0.322 ± 0.023	0.932 ± 0.064	7.786 ± 0.543	105.3
607	-0.148 ± 0.011	0.969 ± 0.070	7.196 ± 0.557	97.3
608	0.016 ± 0.002	1.003 ± 0.078	6.669 ± 0.577	90.2
609	0.011 ± 0.001	1.003 ± 0.073	6.681 ± 0.559	90.3
610	0.007 ± 0.001	1.002 ± 0.069	6.688 ± 0.541	90.4
611	0.195 ± 0.021	1.042 ± 0.080	6.111 ± 0.577	82.6
612	0.383 ± 0.041	1.081 ± 0.092	5.566 ± 0.608	75.3
613	0.571 ± 0.060	1.121 ± 0.104	5.053 ± 0.637	68.3
614	0.759 ± 0.080	1.160 ± 0.116	4.571 ± 0.663	61.8
615	**0.928 ± 0.098**	**1.196 ± 0.127**	**4.163 ± 0.685**	56.3
616	0.753 ± 0.080	1.159 ± 0.124	4.586 ± 0.688	62.0
617	0.578 ± 0.061	1.122 ± 0.121	5.037 ± 0.691	68.1
618	0.403 ± 0.043	1.085 ± 0.118	5.516 ± 0.695	74.6
619	0.228 ± 0.024	1.048 ± 0.115	6.022 ± 0.699	81.4
620	0.077 ± 0.010	1.016 ± 0.115	6.484 ± 0.709	87.7
621	0.007 ± 0.012	1.001 ± 0.122	6.701 ± 0.739	90.6
622	-0.064 ± 0.015	0.987 ± 0.129	6.922 ± 0.769	93.6
623	-0.035 ± 0.016	0.993 ± 0.120	6.830 ± 0.737	92.4
624	0.247 ± 0.017	1.052 ± 0.070	5.969 ± 0.535	80.7
625	0.089 ± 0.020	1.018 ± 0.073	6.446 ± 0.553	87.2
626	-0.256 ± 0.023	0.946 ± 0.092	7.563 ± 0.655	102.3
627	-0.511 ± 0.027	0.892 ± 0.057	8.453 ± 0.523	114.3
628	-0.913 ± 0.092	0.807 ± 0.060	9.985 ± 0.565	135.0
629	-1.457 ± 0.214	0.692 ± 0.099	12.293 ± 0.808	166.2
630	-1.569 ± 0.238	0.669 ± 0.101	12.797 ± 0.834	173.0
631	-1.635 ± 0.250	0.655 ± 0.100	13.095 ± 0.837	177.1
632	-1.533 ± 0.218	0.677 ± 0.093	12.628 ± 0.792	170.7
633	-1.430 ± 0.185	0.698 ± 0.087	12.170 ± 0.749	164.5
634	-1.328 ± 0.153	0.720 ± 0.081	11.721 ± 0.706	158.5
635	-1.221 ± 0.127	0.742 ± 0.076	11.257 ± 0.674	152.2
636	-1.106 ± 0.111	0.767 ± 0.075	10.772 ± 0.656	145.6
637	-0.991 ± 0.095	0.791 ± 0.074	10.299 ± 0.638	139.2
638	-0.876 ± 0.078	0.815 ± 0.072	9.837 ± 0.621	133.0
639	-0.942 ± 0.081	0.801 ± 0.069	10.103 ± 0.612	136.6
640	-1.054 ± 0.088	0.777 ± 0.066	10.560 ± 0.605	142.8
641	-1.165 ± 0.095	0.754 ± 0.062	11.027 ± 0.597	149.1
642	-1.253 ± 0.099	0.735 ± 0.058	11.402 ± 0.584	154.2
643	-1.224 ± 0.088	0.741 ± 0.053	11.274 ± 0.551	152.4
644	-1.195 ± 0.076	0.748 ± 0.047	11.146 ± 0.517	150.7
645	-1.166 ± 0.065	0.754 ± 0.042	11.019 ± 0.482	149.0
646	-1.125 ± 0.058	0.763 ± 0.039	10.845 ± 0.464	146.6
647	-1.073 ± 0.054	0.774 ± 0.039	10.633 ± 0.460	143.8
648	-1.022 ± 0.051	0.784 ± 0.039	10.423 ± 0.457	140.9
649	-0.970 ± 0.047	0.795 ± 0.039	10.216 ± 0.454	138.1
650	-0.999 ± 0.054	0.789 ± 0.042	10.336 ± 0.475	139.7
651	-1.035 ± 0.061	0.781 ± 0.046	10.485 ± 0.499	141.8
652	-1.071 ± 0.069	0.773 ± 0.049	10.635 ± 0.522	143.8
653	-1.102 ± 0.083	0.767 ± 0.058	10.762 ± 0.569	145.5

654	-1.119 ± 0.115	0.764 ± 0.078	10.827 ± 0.669	146.4
655	-1.136 ± 0.147	0.760 ± 0.098	10.893 ± 0.761	147.3
656	-1.152 ± 0.179	0.757 ± 0.117	10.959 ± 0.847	148.2
657	-1.153 ± 0.169	0.757 ± 0.111	10.961 ± 0.818	148.2
658	-1.145 ± 0.138	0.758 ± 0.091	10.932 ± 0.731	147.8
659	-1.137 ± 0.106	0.760 ± 0.071	10.904 ± 0.637	147.4
660	-1.156 ± 0.086	0.756 ± 0.056	10.985 ± 0.562	148.5
661	-1.269 ± 0.105	0.732 ± 0.059	11.463 ± 0.588	155.0
662	-1.382 ± 0.124	0.708 ± 0.061	11.952 ± 0.614	161.6
663	-1.495 ± 0.143	0.685 ± 0.064	12.452 ± 0.641	168.4
664	-1.535 ± 0.156	0.676 ± 0.069	12.635 ± 0.670	170.8
665	-1.476 ± 0.160	0.689 ± 0.076	12.370 ± 0.699	167.2
666	-1.416 ± 0.165	0.701 ± 0.083	12.107 ± 0.726	163.7
667	-1.356 ± 0.169	0.713 ± 0.090	11.848 ± 0.752	160.2
668	-1.187 ± 0.152	0.749 ± 0.098	11.117 ± 0.767	150.3
669	-0.987 ± 0.129	0.791 ± 0.106	10.292 ± 0.779	139.2
670	-0.788 ± 0.106	0.833 ± 0.114	9.503 ± 0.789	128.5
671	-0.628 ± 0.086	0.867 ± 0.119	8.894 ± 0.791	120.3
672	-0.659 ± 0.083	0.861 ± 0.109	9.006 ± 0.757	121.8
673	-0.690 ± 0.079	0.854 ± 0.099	9.120 ± 0.721	123.3
674	-0.721 ± 0.076	0.848 ± 0.090	9.234 ± 0.683	124.8
675	-0.692 ± 0.071	0.854 ± 0.089	9.122 ± 0.679	123.3
676	-0.612 ± 0.066	0.871 ± 0.096	8.823 ± 0.702	119.3
677	-0.532 ± 0.061	0.888 ± 0.104	8.529 ± 0.723	115.3
678	-0.451 ± 0.055	0.905 ± 0.111	8.241 ± 0.744	111.4
679	-0.389 ± 0.052	0.918 ± 0.132	8.018 ± 0.811	108.4
680	-0.329 ± 0.050	0.931 ± 0.154	7.804 ± 0.877	105.5
681	-0.268 ± 0.047	0.944 ± 0.176	7.593 ± 0.939	102.7
682	-0.218 ± 0.042	0.954 ± 0.183	7.423 ± 0.956	100.4
683	-0.194 ± 0.034	0.959 ± 0.155	7.344 ± 0.865	99.3
684	-0.170 ± 0.025	0.964 ± 0.126	7.265 ± 0.770	98.2
685	-0.146 ± 0.016	0.969 ± 0.098	7.187 ± 0.668	97.2
686	-0.218 ± 0.030	0.942 ± 0.109	7.619 ± 0.720	103.0
687	-0.233 ± 0.050	0.949 ± 0.134	7.515 ± 0.802	101.6
688	-0.248 ± 0.071	0.955 ± 0.162	7.412 ± 0.891	100.2
689	-0.374 ± 0.089	0.922 ± 0.143	7.946 ± 0.846	107.4
690	-0.114 ± 0.085	0.996 ± 0.189	6.771 ± 0.949	91.6
691	0.060 ± 0.084	1.041 ± 0.214	6.117 ± 0.995	82.7
692	0.108 ± 0.050	1.043 ± 0.190	6.097 ± 0.929	82.4
693	0.124 ± 0.031	1.041 ± 0.158	6.114 ± 0.837	82.7
694	-0.027 ± 0.016	0.996 ± 0.138	6.783 ± 0.794	91.7
695	-0.033 ± 0.023	1.000 ± 0.127	6.716 ± 0.758	90.8
696	0.030 ± 0.043	1.028 ± 0.141	6.304 ± 0.789	85.2
697	-0.009 ± 0.064	1.028 ± 0.156	6.300 ± 0.834	85.2
698	-0.129 ± 0.038	0.984 ± 0.161	6.954 ± 0.871	94.0
699	0.033 ± 0.014	1.006 ± 0.219	6.628 ± 1.030	89.6
700	0.443 ± 0.067	1.104 ± 0.178	5.262 ± 0.865	71.1
701	0.139 ± 0.107	1.027 ± 0.200	6.318 ± 0.963	85.4
702	-0.365 ± 0.190	0.886 ± 0.259	8.552 ± 1.230	115.6
703	-0.028 ± 0.024	0.987 ± 0.157	6.915 ± 0.858	93.5
704	-0.018 ± 0.009	0.989 ± 0.104	6.879 ± 0.682	93.0
705	-0.229 ± 0.033	0.951 ± 0.127	7.474 ± 0.779	101.0
706	-0.455 ± 0.072	0.906 ± 0.174	8.213 ± 0.957	111.0
707	-0.516 ± 0.108	0.881 ± 0.190	8.655 ± 1.024	117.0
708	-0.962 ± 0.171	0.760 ± 0.146	10.908 ± 0.958	147.5
709	-1.179 ± 0.180	0.699 ± 0.107	12.159 ± 0.840	164.4
710	-1.238 ± 0.158	0.676 ± 0.084	12.632 ± 0.747	170.8
711	-1.166 ± 0.113	0.688 ± 0.068	12.391 ± 0.660	167.5
712	-1.124 ± 0.120	0.702 ± 0.074	12.091 ± 0.682	163.5
713	-1.077 ± 0.182	0.696 ± 0.104	12.221 ± 0.831	165.2
714	-0.837 ± 0.167	0.742 ± 0.123	11.257 ± 0.879	152.2
715	-0.549 ± 0.119	0.806 ± 0.174	10.004 ± 1.023	135.3
716	-0.612 ± 0.077	0.801 ± 0.098	10.098 ± 0.743	136.5
717	-0.617 ± 0.086	0.820 ± 0.107	9.754 ± 0.769	131.9
718	-0.779 ± 0.138	0.779 ± 0.139	10.518 ± 0.917	142.2
719	-0.791 ± 0.130	0.778 ± 0.123	10.550 ± 0.856	142.6
720	-0.626 ± 0.078	0.836 ± 0.107	9.443 ± 0.761	127.7
721	-0.702 ± 0.091	0.806 ± 0.104	10.007 ± 0.765	135.3
722	-0.649 ± 0.100	0.821 ± 0.131	9.721 ± 0.861	131.4
723	-0.678 ± 0.113	0.818 ± 0.143	9.787 ± 0.908	132.3
724	-0.784 ± 0.121	0.788 ± 0.120	10.362 ± 0.839	140.1
725	-0.603 ± 0.128	0.849 ± 0.173	9.212 ± 0.992	124.5
726	-0.624 ± 0.142	0.841 ± 0.169	9.356 ± 0.981	126.5
727	-0.823 ± 0.135	0.798 ± 0.123	10.154 ± 0.842	137.3
728	-0.978 ± 0.127	0.773 ± 0.105	10.639 ± 0.786	143.9
729	-1.077 ± 0.148	0.754 ± 0.188	11.030 ± 1.116	149.1
730	-1.270 ± 0.169	0.700 ± 0.145	12.138 ± 1.000	164.1
731	-1.236 ± 0.149	0.694 ± 0.097	12.258 ± 0.799	165.7
732	-1.071 ± 0.119	0.725 ± 0.089	11.613 ± 0.743	157.0
733	-0.956 ± 0.122	0.763 ± 0.133	10.847 ± 0.905	146.7
734	-1.083 ± 0.133	0.727 ± 0.109	11.558 ± 0.831	156.3
735	-1.068 ± 0.127	0.722 ± 0.093	11.679 ± 0.763	157.9
736	-0.909 ± 0.113	0.753 ± 0.096	11.049 ± 0.760	149.4
737	-0.790 ± 0.116	0.788 ± 0.121	10.361 ± 0.842	140.1
738	-0.985 ± 0.143	0.731 ± 0.108	11.484 ± 0.822	155.3
739	-1.097 ± 0.162	0.700 ± 0.104	12.133 ± 0.825	164.0
740	-1.118 ± 0.159	0.696 ± 0.099	12.220 ± 0.808	165.2
741	-1.120 ± 0.139	0.698 ± 0.085	12.168 ± 0.741	164.5
742	-1.150 ± 0.152	0.689 ± 0.090	12.366 ± 0.769	167.2
743	-1.116 ± 0.150	0.699 ± 0.093	12.159 ± 0.776	164.4
744	-1.014 ± 0.122	0.723 ± 0.086	11.640 ± 0.728	157.4
745	-0.968 ± 0.102	0.735 ± 0.077	11.413 ± 0.683	154.3
746	-1.071 ± 0.101	0.715 ± 0.072	11.814 ± 0.667	159.7
747	-1.082 ± 0.107	0.724 ± 0.096	11.630 ± 0.775	157.2
748	-0.888 ± 0.116	0.780 ± 0.139	10.505 ± 0.918	142.0
749	-0.830 ± 0.120	0.790 ± 0.122	10.318 ± 0.844	139.5
750	-0.796 ± 0.099	0.799 ± 0.116	10.139 ± 0.815	137.1
751	-0.760 ± 0.085	0.809 ± 0.125	9.944 ± 0.845	134.5
752	-0.872 ± 0.115	0.785 ± 0.128	10.418 ± 0.872	140.9
753	-0.920 ± 0.141	0.784 ± 0.123	10.435 ± 0.852	141.1
754	-0.829 ± 0.114	0.804 ± 0.105	10.043 ± 0.769	135.8
755	-0.657 ± 0.077	0.848 ± 0.098	9.228 ± 0.717	124.8
756	-0.425 ± 0.097	0.934 ± 0.149	7.753 ± 0.860	104.8
757	-0.567 ± 0.123	0.897 ± 0.153	8.375 ± 0.895	113.2
758	-0.513 ± 0.116	0.914 ± 0.136	8.091 ± 0.827	109.4
759	-0.346 ± 0.103	0.962 ± 0.135	7.297 ± 0.801	98.7
760	0.052 ± 0.128	1.066 ± 0.185	5.771 ± 0.903	78.0
761	0.566 ± 0.133	1.192 ± 0.173	4.212 ± 0.815	56.9
762	0.817 ± 0.132	1.262 ± 0.158	3.475 ± 0.751	47.0

763	0.792 ± 0.130	1.275 ± 0.145	3.353 ± 0.711	45.3
764	0.860 ± 0.244	1.301 ± 0.233	3.112 ± 0.918	42.1
765	1.282 ± 0.315	1.421 ± 0.257	2.188 ± 0.924	29.6
766	1.651 ± 0.231	1.509 ± 0.184	1.696 ± 0.739	22.9
767	2.317 ± 0.256	1.667 ± 0.177	1.199 ± 0.686	16.2
768	2.852 ± 0.353	1.800 ± 0.223	1.172 ± 0.746	15.8
769	2.748 ± 0.432	1.780 ± 0.287	1.153 ± 0.865	15.6
770	2.738 ± 0.515	1.785 ± 0.341	1.157 ± 0.954	15.6
771	3.065 ± 0.541	1.852 ± 0.345	1.258 ± 0.940	17.0
772	3.164 ± 0.427	1.843 ± 0.246	1.240 ± 0.777	16.8
773	2.578 ± 0.285	1.691 ± 0.173	1.167 ± 0.671	15.8
774	2.180 ± 0.255	1.604 ± 0.193	1.336 ± 0.735	18.1
775	2.056 ± 0.344	1.577 ± 0.274	1.420 ± 0.904	19.2
776	1.824 ± 0.272	1.510 ± 0.225	1.690 ± 0.828	22.9
777	1.379 ± 0.148	1.394 ± 0.149	2.369 ± 0.688	32.0
778	0.989 ± 0.137	1.302 ± 0.163	3.102 ± 0.749	41.9
779	0.685 ± 0.102	1.219 ± 0.139	3.914 ± 0.713	52.9
780	0.469 ± 0.066	1.159 ± 0.110	4.582 ± 0.645	62.0
781	0.339 ± 0.075	1.128 ± 0.145	4.960 ± 0.762	67.1
782	-0.013 ± 0.078	1.020 ± 0.211	6.428 ± 0.999	86.9
783	-0.043 ± 0.093	1.020 ± 0.193	6.424 ± 0.950	86.9
784	-0.287 ± 0.097	0.945 ± 0.152	7.572 ± 0.863	102.4
785	-0.484 ± 0.073	0.868 ± 0.114	8.875 ± 0.770	120.0
786	-0.042 ± 0.028	0.997 ± 0.106	6.767 ± 0.684	91.5
787	0.091 ± 0.022	1.019 ± 0.110	6.443 ± 0.693	87.1
788	0.302 ± 0.061	1.067 ± 0.161	5.763 ± 0.832	77.9
789	0.475 ± 0.076	1.117 ± 0.181	5.104 ± 0.869	69.0
790	0.198 ± 0.035	1.069 ± 0.114	5.737 ± 0.688	77.6
791	-0.262 ± 0.024	0.910 ± 0.083	8.153 ± 0.630	110.2
792	-0.209 ± 0.020	0.928 ± 0.091	7.848 ± 0.657	106.1
793	-0.233 ± 0.019	0.920 ± 0.073	7.991 ± 0.583	108.1
794	-0.296 ± 0.024	0.898 ± 0.071	8.355 ± 0.583	113.0
795	-0.289 ± 0.031	0.900 ± 0.102	8.320 ± 0.710	112.5
796	-0.290 ± 0.035	0.900 ± 0.122	8.320 ± 0.786	112.5
797	-0.495 ± 0.036	0.830 ± 0.060	9.561 ± 0.557	129.3
798	-0.453 ± 0.039	0.844 ± 0.074	9.302 ± 0.618	125.8
799	-0.723 ± 0.065	0.751 ± 0.068	11.081 ± 0.627	149.8
800	-0.904 ± 0.078	0.689 ± 0.060	12.372 ± 0.613	167.3
801	-0.884 ± 0.078	0.695 ± 0.062	12.227 ± 0.621	165.3
802	-0.801 ± 0.089	0.724 ± 0.078	11.629 ± 0.690	157.2
803	-1.003 ± 0.156	0.654 ± 0.102	13.119 ± 0.849	177.4
804	-1.105 ± 0.097	0.619 ± 0.055	13.901 ± 0.624	187.9
805	-1.055 ± 0.112	0.636 ± 0.069	13.518 ± 0.692	182.8
806	-1.000 ± 0.146	0.656 ± 0.096	13.084 ± 0.819	176.9
807	-0.992 ± 0.151	0.659 ± 0.100	13.020 ± 0.838	176.0
808	-1.006 ± 0.094	0.654 ± 0.061	13.124 ± 0.640	177.4
809	-0.839 ± 0.099	0.711 ± 0.084	11.893 ± 0.726	160.8
810	-0.791 ± 0.077	0.728 ± 0.071	11.557 ± 0.655	156.3
811	-0.697 ± 0.055	0.760 ± 0.059	10.909 ± 0.579	147.5
812	-0.671 ± 0.057	0.769 ± 0.064	10.728 ± 0.603	145.1
813	-0.724 ± 0.078	0.751 ± 0.081	11.081 ± 0.691	149.8
814	-0.712 ± 0.082	0.755 ± 0.085	11.002 ± 0.708	148.8
815	-0.425 ± 0.035	0.854 ± 0.064	9.121 ± 0.568	123.3
816	-0.360 ± 0.040	0.876 ± 0.099	8.734 ± 0.708	118.1
817	-0.248 ± 0.043	0.915 ± 0.123	8.072 ± 0.780	109.1
818	-0.066 ± 0.034	0.977 ± 0.130	7.062 ± 0.777	95.5
819	0.115 ± 0.025	1.040 ± 0.138	6.131 ± 0.774	82.9
820	0.073 ± 0.020	1.025 ± 0.123	6.342 ± 0.731	85.8
821	-0.065 ± 0.016	0.978 ± 0.098	7.060 ± 0.662	95.5
822	-0.180 ± 0.017	0.938 ± 0.082	7.691 ± 0.615	104.0
823	-0.241 ± 0.026	0.917 ± 0.087	8.034 ± 0.643	108.6
824	-0.302 ± 0.036	0.896 ± 0.092	8.386 ± 0.672	113.4
825	-0.362 ± 0.045	0.875 ± 0.097	8.746 ± 0.701	118.3
826	-0.423 ± 0.055	0.854 ± 0.102	9.116 ± 0.730	123.3
827	-0.483 ± 0.064	0.834 ± 0.107	9.494 ± 0.761	128.4
828	-0.531 ± 0.070	0.817 ± 0.108	9.797 ± 0.775	132.5
829	-0.526 ± 0.061	0.819 ± 0.095	9.771 ± 0.721	132.1
830	-0.522 ± 0.052	0.820 ± 0.082	9.745 ± 0.665	131.8
831	-0.517 ± 0.044	0.821 ± 0.069	9.719 ± 0.605	131.4
832	-0.279 ± 0.050	0.904 ± 0.081	8.259 ± 0.624	111.7
833	0.115 ± 0.066	1.040 ± 0.109	6.141 ± 0.679	83.0
834	0.509 ± 0.081	1.175 ± 0.136	4.396 ± 0.719	59.4
835	0.773 ± 0.103	1.266 ± 0.165	3.436 ± 0.768	46.5
836	0.842 ± 0.134	1.290 ± 0.196	3.213 ± 0.837	43.4
837	0.911 ± 0.164	1.314 ± 0.227	3.001 ± 0.900	40.6
838	0.980 ± 0.195	1.338 ± 0.258	2.801 ± 0.959	37.9
839	1.050 ± 0.226	1.361 ± 0.288	2.613 ± 1.013	35.3
840	1.030 ± 0.232	1.355 ± 0.302	2.665 ± 1.045	36.0
841	0.804 ± 0.180	1.277 ± 0.276	3.337 ± 1.026	45.1
842	0.579 ± 0.129	1.199 ± 0.250	4.131 ± 1.004	55.9
843	0.353 ± 0.078	1.121 ± 0.224	5.048 ± 0.979	68.2
844	0.127 ± 0.026	1.043 ± 0.198	6.086 ± 0.950	82.3
845	0.162 ± 0.016	1.056 ± 0.146	5.912 ± 0.793	79.9
846	0.310 ± 0.023	1.107 ± 0.083	5.228 ± 0.568	70.7
847	0.419 ± 0.031	1.145 ± 0.086	4.759 ± 0.567	64.3
848	0.528 ± 0.039	1.182 ± 0.088	4.319 ± 0.566	58.4
849	0.637 ± 0.047	1.220 ± 0.091	3.907 ± 0.566	52.8
850	0.747 ± 0.055	1.257 ± 0.093	3.524 ± 0.565	47.6
Mean ± std. Dev.			7.396 ± 2.701	
Mean ± SDOM			7.396 ± 0.094	