Supplementary Material

Recent advances in Chinese archeomagnetism

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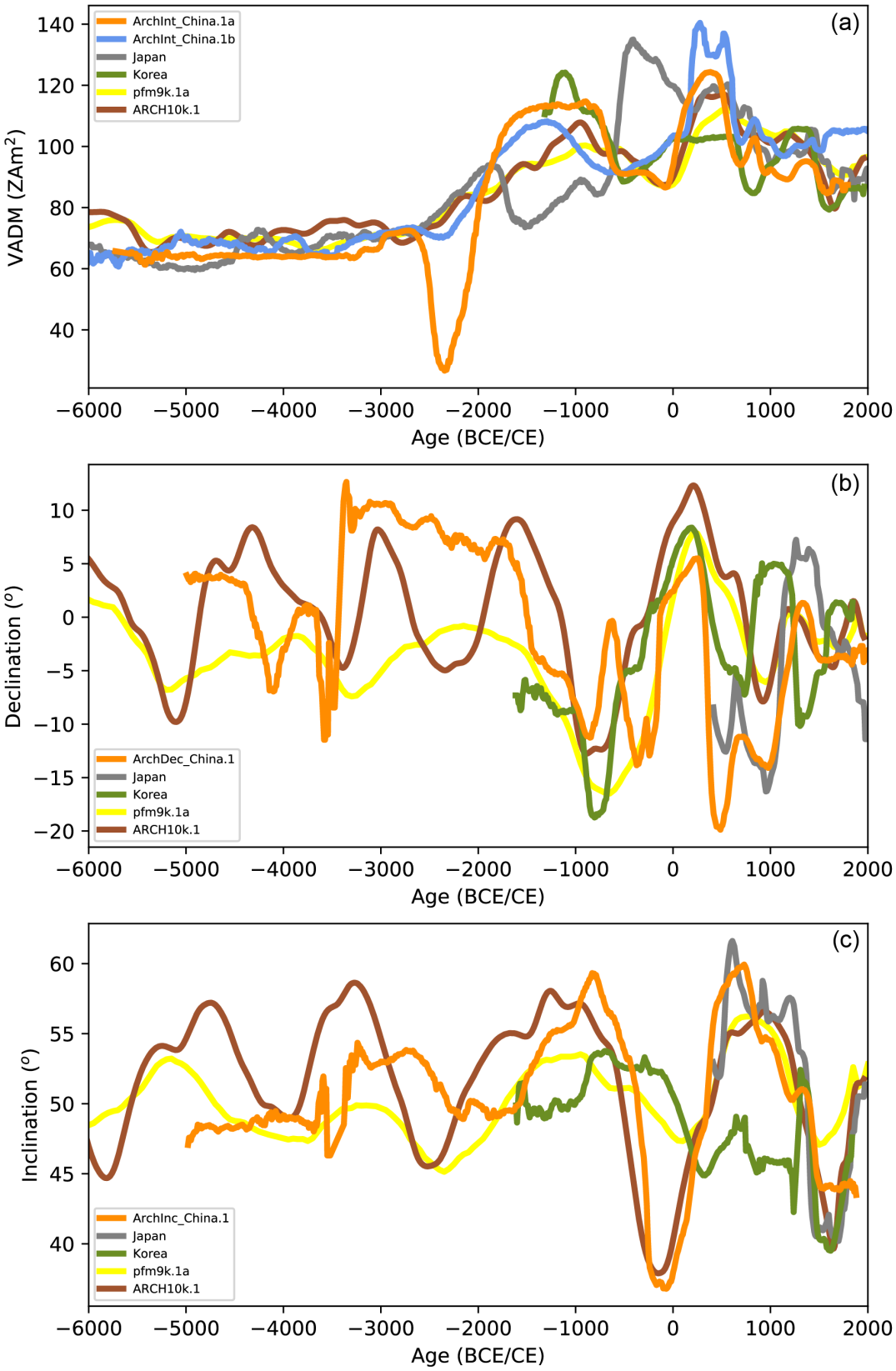

Fig. S1 Comparison of our new reference curves to adjacent regional reference curves and predictions from global models. The grey and olive green curves are reference

curves for Japan and Korea. The yellow and brown curves are predictions at the center of China (35°N, 105°E) from global models of pfm9k.1a and ARCH10k.1, respectively.

Table S1 Summary of Chinese archeointensity data quality from different publications.

	Deng65	**IGCAS77**	**Wei80**	**Wei82**	**Wei86**	**Wei87**	**Tang91**	**Yang93b**	**Shaw95**	**Shaw99**	**Huang98**	**New_pub**
Method	T-T	T-T	T-T	T-T	T-T	T-T	T-T	S	C-T/S	M	T-T	C-T/IZZI
σ_B	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes
pTRM check	No	No	No	No	No	No	No	Partial	Partial	No	Partial	Yes
Anisotropy corr	No	No	No	No	No	No	No	Partial	Partial	No	No	Yes
Blab||NRM	No	No	No	No	No	No	No	No	No	Yes	No	No
Cooling rate corr	No	No	No	No	No	No	No	No	No	Partial	No	Yes

'New_pub' represents publications of Cai et al. (2014, 2015, 2017). C-T, Coe-Thellier method; S, Shaw method; T-T, Thellier-Thellier method; M, Microwave method; IZZI, IZZI method. 'Yes' / 'No' means they had or considered / had not or did not consider the item while 'Partial' means only some of specimens were tested for the item. For detailed description of each item please see the text.

Table S2 Chinese archeomagnetic data published during the 20th century, but not included in the GEOMAGIA50.v3 database.

Age/CE	Age_{sigma}/yr	B_{anc}	σ_B	N_B	VADM	σ_{VADM}	Dec	Inc	α_{95}	N_{Dir}	Lat/°N	Lon/°E	Ref.
		μT			ZAm^2		(^{o})						
642	-	75.9	6.6	10	148.92	12.95	-	-	-	-	29.65	91.13	IGCAS,1977
-3900	90	43	0.5	13	79.44	0.92	4.37	48	1.5	37	34.37	109.2	Wei et al.,1980
7	213	86	-	-	148.67		-	58	-	-	39.9	116.41	Deng and Li,1965
122	98	-	-	-			-	56.1	-	-	39.94	116.33	Deng and Li,1965
122	98	-	-	-			-	56.7	-	-	39.85	116.22	Deng and Li,1965
250	30	77	-	-	133.11		-	58.8	-	-	39.9	116.41	Deng and Li,1965
762	144	78	-	-	134.87		-	61.6	-	-	39.88	116.39	Deng and Li,1965
1118	158	71	-	-	122.74		-	66.2	-	-	39.9	116.41	Deng and Li,1965
1175	60	-	-	-			-	63	-	-	39.9	116.38	Deng and Li,1965
1320	40	67	-	-	115.82		-	58.2	-	-	39.9	116.38	Deng and Li,1965
1778	134	62	-	-	107.18		-	51.2	-	-	39.9	116.41	Deng and Li,1965
-555	257	43.2	2.5	-	73.30	4.20	-	-	-	-	41.5	120.5	Yang et al., 1993b
-555	257	56.4	5.5	-	95.70	9.30	-	-	-	-	41.5	120.5	Yang et al., 1993b
974	109	69.5	3.3	-	118.00	5.60	-	-	-	-	41.5	120.5	Yang et al., 1993b
974	109	65	1.7	-	110.30	2.90	-	-	-	-	41.5	120.5	Yang et al., 1993b
974	109	68.3	3.3	-	115.90	5.60	-	-	-	-	41.5	120.5	Yang et al., 1993b
974	109	65.7	2.2	-	111.50	3.70	-	-	-	-	41.5	120.5	Yang et al., 1993b
180	198	56.8	5.1	-	96.40	8.70	-	-	-	-	41.5	120.5	Yang et al., 1993b
180	198	50.7	2	-	86.10	3.40	-	-	-	-	41.5	120.5	Yang et al., 1993b
-1550	200	59.2	2.6	-	100.50	4.40	-	-	-	-	41.5	120.5	Yang et al., 1993b
974	109	58.6	4	-	99.50	6.80	-	-	-	-	41.5	120.5	Yang et al., 1993b

-555	257	44.6	1.5	-	75.60	2.50	-	-	-	-	41.6	123.9	Yang et al., 1993b
-555	257	42	2.2	-	71.20	3.70	-	-	-	-	41.6	123.9	Yang et al., 1993b
-555	257	48.3	3.3	-	81.90	5.60	-	-	-	-	41.6	123.9	Yang et al., 1993b
-1800	250	71.2	3.4	-	120.90	5.80	-	-	-	-	41.5	120.5	Yang et al., 1993b
-1800	250	63.7	4.1	-	108.10	7.00	-	-	-	-	41.5	120.5	Yang et al., 1993b
-2550	400	41.4	4.9	-	70.10	8.30	-	-	-	-	41.7	123.4	Yang et al., 1993b
-2550	400	44.6	2.7	-	75.50	4.60	-	-	-	-	41.7	123.4	Yang et al., 1993b
-2550	400	41.8	3.3	-	70.80	5.60	-	-	-	-	41.7	123.4	Yang et al., 1993b
-1200	500	67.2	2.1	-	113.70	3.60	-	-	-	-	41.8	123.9	Yang et al., 1993b
-1200	500	62.1	2.3	-	105.10	3.90	-	-	-	-	41.8	123.9	Yang et al., 1993b
-1050	250	50.6	5.8	-	86.40	9.90	-	-	-	-	41	119.7	Yang et al., 1993b
-1050	250	55.9	1.7	-	95.40	2.90	-	-	-	-	41	119.7	Yang et al., 1993b
-813	200	59.6	3.9	-	101.20	6.60	-	-	-	-	41.5	120.5	Yang et al., 1993b
-813	200	48.3	3.2	-	82.00	5.40	-	-	-	-	41.5	120.5	Yang et al., 1993b
-813	200	59.6	5.6	-	101.20	9.50	-	-	-	-	41.5	120.5	Yang et al., 1993b
-2550	400	42.8	1.7	-	72.50	2.90	-	-	-	-	41.7	123.4	Yang et al., 1993b
-2550	400	40.2	1	-	68.10	1.70	-	-	-	-	41.7	123.4	Yang et al., 1993b
-5050	500	42.6	1.4	-	72.20	2.40	-	-	-	-	41.7	123.4	Yang et al., 1993b
-5050	500	30.8	1.2	-	52.20	2.00	-	-	-	-	41.7	123.4	Yang et al., 1993b
80	98	56.4	3	-	95.40	5.10	-	-	-	-	41.8	123.9	Yang et al., 1993b
80	98	56.8	1.8	-	96.10	3.00	-	-	-	-	41.8	123.9	Yang et al., 1993b
-4550	500	36.9	5.6	-	60.60	9.20	-	-	-	-	44.5	125.2	Yang et al., 1993b
-2250	250	45.1	3.7	-	74.00	6.10	-	-	-	-	44.6	124	Yang et al., 1993b
-4050	400	31.9	4.6	-	52.40	7.50	-	-	-	-	44.6	124	Yang et al., 1993b
-2800	450	38.1	9.7	-	62.40	15.90	-	-	-	-	44.8	126.5	Yang et al., 1993b

-2800	450	36.4	4.5	-	59.60	7.40	-	-	-	-	44.8	126.5	Yang et al., 1993b
-800	150	52.8	6.2	-	86.70	10.20	-	-	-	-	44.6	124	Yang et al., 1993b
1050	100	64.1	6.3	-	104.10	10.20	-	-	-	-	45.6	126.9	Yang et al., 1993b
-550	300	53.8	4.6	-	89.20	7.60	-	-	-	-	43.65	126.5	Yang et al., 1993b
-550	300	54.3	9.2	-	90.00	15.30	-	-	-	-	43.65	126.5	Yang et al., 1993b
-40	150	56.4	4	-	93.50	6.60	-	-	-	-	43.65	126.5	Yang et al., 1993b

B_{anc}, paleointensity; σ_B, standard deviation of B_{anc}; VADM, virtual axial dipole moment; σ_{VADM}, standard deviation of VADM; Dec / Inc, declination / inclination; Lat / Lon, latitude / longitude of the sites; N_B / N_{Dir}, number of specimens for paleointensity and direction; Ref., reference of the data.

Table S3 Threshold values of the parameters in CCRIT.

β	**DANG**	**MAD_{free}**	**FRAC**	**SCAT**	**$\lvert\vec{k'}\rvert$**	**Gap Max**	**N_{min}**	**σ/% or σ**
≤0.1	≤10.0	≤5.0	≥0.78	Pass	≤0.164	≤0.6	3	≤10% or 4 μT

Please find the brief description of each parameter in the text and the detailed descriptions in Cromwell et al. (2015), Shaar and Tauxe (2013), Paterson (2011) and Paterson et al. (2014; 2015).

Table S4 Sample results of data from Cai et al. (2014, 2015, 2017) reanalyzed with CCRIT criteria.

Sample	Age/CE	Age_{sigma}/yr	Lat/°N	Lon/°E	B_{anc}	σ_B	σ_B/%	VADM	σ_{VADM}	n_a
					μT			ZAm^2		
BJY2a	1320	49	41.33	117.74	62.74	3.75	6	106.71	6.38	3
BJY8a	1320	49	41.33	117.74	57.29	0.49	0.9	97.44	0.83	6
BJY8b	1320	49	41.33	117.74	53.52	0.81	1.5	91.03	1.38	6
BQ1a	-4000	500	36.6	120.7	35.9	1.16	3.2	64.53	2.09	5
BQ2	-4000	500	36.6	120.7	33.85	0.67	2	60.84	1.2	5
DQ10f	-1300	300	30.72	120.05	57.56	0.83	1.4	111.38	1.61	3
DQ10h	-1300	300	30.72	120.05	67.78	2.72	4	131.16	5.26	4
DQ10i	-1300	300	30.72	120.05	50.22	2.55	5.1	97.18	4.93	3
DQ10j	-1300	300	30.72	120.05	50.95	0.12	0.2	98.59	0.23	4
DQ10p	-1300	300	30.72	120.05	46.59	1.04	2.2	90.15	2.01	4
DQ10q	-1300	300	30.72	120.05	62.03	0.85	1.4	120.03	1.64	3
DQ11e	-1300	300	30.72	120.05	62.91	1.46	2.3	121.73	2.83	4
DQ11f	-1300	300	30.72	120.05	52.28	2.02	3.9	101.16	3.91	4
DQ11i	-1300	300	30.72	120.05	71.96	0.52	0.7	139.25	1.01	4
DQ11n	-1300	300	30.72	120.05	63.74	4.4	6.9	123.34	8.51	4
DQ11p	-1300	300	30.72	120.05	60.26	3.84	6.4	116.61	7.43	4
DQ1a	-550	74	30.62	120.02	49.22	1.85	3.8	95.37	3.58	4
DQ3a	123	98	30.51	120	60.16	4.6	7.6	116.73	8.93	10
DQ4a	691	73	30.63	120.07	40.23	0.47	1.2	77.94	0.91	4
DQ4b	691	73	30.63	120.07	56.89	2.25	3.9	110.21	4.36	9
DQ4c	691	73	30.63	120.07	41.42	0.26	0.6	80.24	0.5	4
DQ5a	453	136	30.36	120.02	65.67	1.95	3	127.67	3.79	3
DQ5b	453	136	30.36	120.02	62.42	2.62	4.2	121.35	5.09	9
DQ7e	-348	127	30.62	120.02	37.67	0.19	0.5	72.99	0.37	3
DQ7f	-348	127	30.62	120.02	43.36	0.48	1.1	84.01	0.93	4
DQ7g	-348	127	30.62	120.02	44.36	0.74	1.7	85.95	1.43	4
DQ7j	-348	127	30.62	120.02	49.58	1.35	2.7	96.06	2.62	3
DQ7k	-348	127	30.62	120.02	48.59	1.68	3.5	94.14	3.26	4
DQ7l	-348	127	30.62	120.02	42.8	0.86	2	82.93	1.67	4
DQ7o	-348	127	30.62	120.02	49.14	0.68	1.4	95.21	1.32	4
DQ8a	-348	127	30.61	121.02	51.79	0.78	1.5	100.36	1.51	3
DQ8b	-348	127	30.61	121.02	50.29	1.05	2.1	97.45	2.03	3
DQ8f	-348	127	30.61	121.02	39.03	0.18	0.5	75.63	0.35	4
DQ8i	-348	127	30.61	121.02	51.67	0.71	1.4	100.13	1.38	3
DQ8k	-348	127	30.61	121.02	50.55	0.19	0.4	97.95	0.37	4
DQ8l	-348	127	30.61	121.02	53.08	0.39	0.7	102.86	0.76	4

DQ8m	-348	127	30.61	121.02	49.2	1.28	2.6	95.34	2.48	4
DQ9a	-513	37	30.63	120.01	47.75	0.59	1.2	92.51	1.14	5
DQ9d	-513	37	30.63	120.01	50.59	1.76	3.5	98.01	3.41	5
DQ9f	-513	37	30.63	120.01	45.19	0.51	1.1	87.55	0.99	5
DQ9g	-513	37	30.63	120.01	42.75	1.07	2.5	82.82	2.07	5
DQ9i	-513	37	30.63	120.01	43.95	2.29	5.2	85.14	4.44	5
DQ9m	-513	37	30.63	120.01	49.79	0.83	1.7	96.46	1.61	5
DY15	1320	49	38.8	114.7	56.14	1.68	3	98.3	2.94	8
DY16	1085	42	38.8	114.7	58.23	1.14	2	101.96	2	6
DY1A	835	72	38.8	114.7	58.4	1.3	2.2	102.25	2.28	8
DY1u	835	72	38.8	114.7	65.01	3.78	5.8	113.83	6.62	5
DY23a	1085	42	38.8	114.7	42.23	1.65	3.9	73.94	2.89	6
DY30a	1002	42	38.8	114.7	55.91	0.63	1.1	97.89	1.1	6
DY35A	1175	60	38.8	114.7	52.09	0.08	0.2	91.21	0.14	5
DY35u	1175	60	38.8	114.7	53.51	3.48	6.5	93.69	6.09	5
DY37A	1175	60	38.8	114.7	49.26	0.42	0.8	86.25	0.74	6
DY37u	1175	60	38.8	114.7	45.97	1.88	4.1	80.49	3.29	6
DY40a	1085	42	38.8	114.7	55.05	2.17	3.9	96.39	3.8	5
DY41C	1139	96	38.8	114.7	53.21	0.65	1.2	93.17	1.14	8
DY4A	1320	49	38.8	114.7	48.25	3.68	7.6	84.48	6.44	8
DY7	934	27	38.8	114.7	46.33	0.5	1.1	81.12	0.88	3
DY9a	1085	42	38.8	114.7	51.11	0.29	0.6	89.49	0.51	3
LJZ2b	-2893	27	31.8	101.53	37.72	0.62	1.6	71.98	1.18	5
LJZ3c	-3011	95	31.8	101.53	34.99	1.95	5.6	66.77	3.72	5
LJZ3d	-2725	98	31.8	101.53	38.27	2.67	7	73.03	5.1	4
LJZ4f	-2725	98	31.8	101.53	38.52	0.42	1.1	73.51	0.8	5
QJZd	-4000	500	37.4	121.2	37.53	0.19	0.5	66.81	0.34	3
SWC4A	1164	204	37.1	118.7	48.46	2.79	5.7	86.58	4.98	6
SWC5B	-1150	150	37.1	118.7	61.59	1.08	1.8	110.04	1.93	6
TTc	-99	107	36.01	120.15	41.4	3.42	8.3	74.95	6.19	5
WJCh	-3500	0	38.78	121.19	36.21	3.08	8.5	63.42	5.39	3
Y22a	-2893	27	31.8	101.53	33.99	1.75	5.2	64.87	3.34	6
Y23a	-2893	27	31.8	101.53	39.88	1.06	2.7	76.11	2.02	6
Y23b	-2893	27	31.8	101.53	37.48	0.94	2.5	71.53	1.79	4
Y23c	-2893	27	31.8	101.53	38.69	0.6	1.5	73.84	1.15	5
Y81i	-2725	98	31.8	101.53	35.83	1.28	3.6	68.38	2.44	4
Y85a	-2725	98	31.8	101.53	40.74	2.52	6.2	77.75	4.81	6
YJC1a	-1800	200	38.9	121.2	51.72	1.21	2.3	90.45	2.12	6
ZJZ1	-2250	250	36.4	120.2	12.19	1.36	11.2	21.96	2.45	6
ZZc	1506	138	36.78	115.78	51.38	0.12	0.2	92.15	0.22	4

n_a is the number of accepted specimens from each sample. The remaining definitions

are the same as in Table S2.

Table S5 Specimen results of data from Cai et al. (2014, 2015, 2017) reanalyzed with CCRIT criteria.

Specimen	B_{lab}	B_{raw}	B_{ac}	B_{acc}	F_{aniso}	F_{cool}	$\lvert\vec{k'}\rvert$	DANG	FRAC	G_max	MAD	β	T_{min}	T_{max}
	μT												°C	
BJY2a-05	30	64.28	60.42	-	0.94	-	0.02	1.3	0.9	0.2	3.37	0.04	0	580
BJY2a-03	30	70.13	68.03	-	0.97	-	-0.02	0.87	0.87	0.38	2.74	0.06	0	560
BJY2a-02	30	59.76	59.76	-	1	-	0	0.95	0.8	0.22	3.59	0.06	0	580
BJY8a-01	30	59.69	57.3	-	0.96	-	0.04	4.2	0.86	0.5	2.35	0.03	0	480
BJY8a-03	30	55.75	56.87	-	1.02	-	0.09	1.37	0.87	0.5	1.48	0.02	0	480
BJY8a-02	30	56.11	57.23	-	1.02	-	0.1	0.68	0.85	0.54	1.29	0.01	0	400
BJY8a-05	30	56.64	58.34	-	1.03	-	0.05	1.38	0.83	0.32	2.19	0.02	100	520
BJY8a-04	30	55.98	57.1	-	1.02	-	0.12	0.87	0.92	0.5	1.66	0.02	0	480
BJY8a-06	30	59.30	56.93	-	0.96	-	0	1.91	0.88	0.4	0.83	0.02	0	480
BJY8b-01	30	50.50	54.04	-	1.07	-	0	0.75	0.8	0.27	2.14	0.02	150	520
BJY8b-02	30	55.14	53.49	-	0.97	-	-0.09	0.68	0.83	0.24	3.31	0.04	100	450
BJY8b-03	30	55.69	54.58	-	0.98	-	-0.04	0.71	0.89	0.23	1.89	0.02	100	520
BJY8b-04	30	51.52	53.58	-	1.04	-	0	0.09	0.83	0.21	1.99	0.01	100	500
BJY8b-05	30	48.99	51.93	-	1.06	-	0.04	1.5	0.86	0.24	2.5	0.02	100	480
BJY8b-06	30	56.34	53.52	-	0.95	-	0.05	1.23	0.87	0.23	4.48	0.03	100	480
BQ1a-05	30	37.54	38.67	36.74	1.03	0.95	0	1.36	0.79	0.24	3.06	0.03	150	520
BQ1a-04	30	37.48	37.85	35.58	1.01	0.94	0	1.31	0.89	0.21	4	0.02	150	540
BQ1a-01	30	37.08	37.82	35.55	1.02	0.94	0	1.15	0.87	0.24	2.63	0.02	150	540
BQ1a-03	30	36.67	36.3	34.12	0.99	0.94	0.14	1.25	0.99	0.21	2.94	0.03	0	540
BQ1a-02	30	39.51	39.91	37.52	1.01	0.94	0.07	0.96	0.88	0.16	2.05	0.02	150	540

BQ2-4	30	31.04	33.83	-	1.09	-	-0.09	0.47	0.84	0.22	1.98	0.02	250	550
BQ2-7	30	30.92	34.01	-	1.1	-	-0.05	1.79	0.86	0.22	3.61	0.02	200	550
BQ2-11	30	33.19	32.86	-	0.99	-	-0.1	2.94	0.83	0.24	4.75	0.01	200	550
BQ2-3	30	31.19	34.93	-	1.12	-	-0.12	1.64	0.79	0.22	4.4	0.03	200	520
BQ2-2	30	30.27	33.6	-	1.11	-	-0.09	2.85	0.84	0.21	4.98	0.01	200	550
DQ10f-04	50	59.56	61.94	58.22	1.04	0.94	0.02	0.67	0.79	0.18	1.86	0.02	200	540
DQ10f-01	50	58.84	61.78	58.07	1.05	0.94	0.15	2.63	0.91	0.3	3.22	0.03	0	480
DQ10f-03	50	65.23	61.97	56.39	0.95	0.91	0.13	2.2	0.84	0.4	3.33	0.02	0	450
DQ10h-04	50	77.83	72.38	67.31	0.93	0.93	0.15	0.63	0.97	0.23	1.23	0.02	0	525
DQ10h-03	50	84.18	79.13	72.01	0.94	0.91	0.11	0.81	0.89	0.39	1.14	0.02	150	495
DQ10h-02	50	71.40	68.54	64.43	0.96	0.94	0.01	1.32	0.88	0.14	2.43	0.01	100	525
DQ10h-01	50	74.72	73.23	67.37	0.98	0.92	0.14	1.22	0.83	0.41	2.2	0.02	150	510
DQ10i-01	50	67.00	49.58	46.61	0.74	0.94	0.04	0.74	0.81	0.28	4.1	0.01	250	525
DQ10i-02	50	54.02	54.02	51.86	1	0.96	-0.13	2.15	0.93	0.16	3.84	0.03	150	540
DQ10i-04	50	55.01	56.11	52.18	1.02	0.93	-0.09	1.7	0.87	0.17	3.1	0.02	200	540
DQ10j-01	50	54.62	54.62	50.8	1	0.93	-0.09	1.59	0.83	0.19	4.71	0.03	150	540
DQ10j-03	50	55.53	54.97	51.12	0.99	0.93	-0.13	1.66	0.96	0.16	4	0.03	0	540
DQ10j-02	50	54.83	54.83	50.99	1	0.93	0.05	0.6	0.86	0.2	2.32	0.01	150	525
DQ10j-04	50	53.69	55.3	50.88	1.03	0.92	-0.16	1.35	0.95	0.18	4.44	0.03	100	540
DQ10p-04	50	47.86	48.34	45.44	1.01	0.94	0	1.32	0.83	0.18	2.38	0.04	250	560
DQ10p-03	50	47.91	50.78	48.24	1.06	0.95	0	0.64	0.99	0.15	1.21	0.02	100	560
DQ10p-02	50	43.38	49.02	46.08	1.13	0.94	0.16	2.16	0.99	0.13	3.13	0.02	0	560
DQ10p-01	50	44.67	49.58	46.61	1.11	0.94	0.09	1.84	0.8	0.16	2.59	0.02	200	540
DQ10q-01	50	59.84	67.02	63	1.12	0.94	-0.09	1.47	0.81	0.23	3.63	0.02	0	510
DQ10q-02	50	64.90	66.85	62.17	1.03	0.93	-0.03	0.56	0.82	0.28	1.96	0.01	200	525

DQ10q-04	50	65.63	66.94	60.92	1.02	0.91	0	0.4	0.91	0.23	1.18	0	150	510
DQ11c-03	50	70.86	73.69	72.95	1.04	0.99	0.12	4.03	0.78	0.26	3.66	0.02	0	525
DQ11c-02	50	61.24	58.18	53.53	0.95	0.92	0.15	0.84	0.85	0.17	1.73	0.03	100	525
DQ11c-01	50	73.33	64.53	62.59	0.88	0.97	0.14	1.63	0.83	0.13	3.25	0.03	0	525
DQ11c-04	50	74.17	68.98	66.91	0.93	0.97	0.13	3.37	0.79	0.2	3.62	0.02	0	525
DQ11e-01	50	56.36	62	60.76	1.1	0.98	0.16	0.69	0.87	0.2	1.59	0.02	200	540
DQ11e-03	50	68.09	68.09	64.69	1	0.95	0	0.42	0.8	0.25	0.94	0.03	350	540
DQ11e-02	50	66.37	67.03	63.68	1.01	0.95	0.02	0.61	0.83	0.27	0.68	0.02	350	540
DQ11e-04	50	63.29	65.82	62.53	1.04	0.95	0.06	0.86	0.87	0.21	1.92	0.02	250	540
DQ11f-01	50	49.71	60.15	54.74	1.21	0.91	0	0.14	0.82	0.15	1.62	0.01	200	540
DQ11f-02	50	60.31	59.1	53.78	0.98	0.91	-0.09	2.3	0.83	0.16	2.78	0.02	0	510
DQ11f-03	50	55.15	56.8	50.55	1.03	0.89	0	1.37	0.78	0.23	2.54	0.02	300	525
DQ11f-04	50	53.64	56.86	50.04	1.06	0.88	0.01	1.99	0.81	0.22	2.65	0.01	300	525
DQ11i-04	50	71.51	71.51	-	1	-	-0.09	2.18	0.84	0.19	2.8	0.02	100	525
DQ11i-01	50	60.55	73.87	72.39	1.22	0.98	0.08	1.24	0.82	0.19	2.75	0.03	250	540
DQ11i-03	50	72.56	72.56	-	1	-	-0.11	2.69	0.83	0.24	2.32	0.04	200	525
DQ11i-02	50	57.80	72.83	71.37	1.26	0.98	0.11	3.2	0.8	0.26	3.6	0.02	150	510
DQ11n-01	50	65.60	67.57	70.27	1.03	1.04	-0.06	3.24	0.81	0.41	2.39	0.02	200	480
DQ11n-02	50	63.65	66.2	60.24	1.04	0.91	0.05	2.05	0.83	0.21	2.86	0.02	0	480
DQ11n-03	50	61.78	63.02	59.24	1.02	0.94	0.04	0.78	0.88	0.15	2.16	0.01	0	495
DQ11n-04	50	69.31	67.92	65.2	0.98	0.96	0	2.24	0.84	0.3	1.42	0.04	0	400
DQ11o-04	50	94.21	94.21	-	1	-	0	2.04	0.94	0.26	2.14	0.02	0	525
DQ11o-03	50	77.47	77.47	-	1	-	-0.06	1.41	0.84	0.23	2.18	0.02	300	525
DQ11o-02	50	87.61	87.61	-	1	-	-0.05	3.25	0.8	0.21	3.23	0.02	0	495
DQ11o-01	50	86.64	86.64	-	1	-	-0.06	2.86	0.86	0.16	2.77	0.01	200	525

DQ11p-04	50	64.42	68.93	62.04	1.07	0.9	0.07	1.91	0.88	0.18	1.62	0.01	150	525
DQ11p-02	50	60.70	62.52	56.27	1.03	0.9	0.16	0.91	0.78	0.2	2.61	0.03	0	480
DQ11p-03	50	60.84	62.67	57.03	1.03	0.91	-0.01	2.32	0.82	0.19	4.37	0.02	0	480
DQ11p-01	50	73.56	70.62	65.68	0.96	0.93	0	2.07	0.83	0.24	3.01	0.04	0	480
DQ1a-03	30	47.37	50.21	47.2	1.06	0.94	0.16	1.3	0.98	0.25	3.42	0.03	0	540
DQ1a-02	30	49.16	52.6	49.44	1.07	0.94	0.16	0.37	0.94	0.31	2.05	0.02	100	540
DQ1a-01	30	51.82	55.45	52.12	1.07	0.94	0.15	1.05	0.79	0.33	3.01	0.05	0	500
DQ1a-05	30	51.72	51.2	48.13	0.99	0.94	0.12	1.27	0.9	0.28	3.16	0.03	0	520
DQ3a-09	30	67.15	65.81	59.89	0.98	0.91	-0.16	1.72	0.89	0.18	2.28	0.02	100	500
DQ3a-08	30	68.04	70.76	67.93	1.04	0.96	-0.15	2.24	0.96	0.15	2.46	0.02	0	540
DQ3a-05	30	64.81	64.81	-	1	-	-0.06	0.85	0.93	0.17	1.27	0.02	100	520
DQ3a-04	30	68.11	62.66	55.77	0.92	0.89	0	1.17	0.78	0.19	1.47	0.01	200	520
DQ3a-07	30	66.45	64.46	59.95	0.97	0.93	0	2.45	0.89	0.16	2.74	0.03	150	540
DQ3a-06	30	66.73	66.73	-	1	-	-0.14	2.67	0.97	0.11	3.6	0.02	0	540
DQ3a-01	30	66.99	62.3	55.45	0.93	0.89	-0.02	1.75	0.79	0.17	3.57	0.02	200	520
DQ3a-10	30	65.25	65.25	60.03	1	0.92	-0.14	2.49	0.82	0.16	2.16	0.03	0	480
DQ3a-03	30	62.44	61.82	56.26	0.99	0.91	0	2.26	0.82	0.2	1.66	0.02	200	520
DQ3a-02	30	66.17	62.2	54.74	0.94	0.88	0.11	1.26	0.89	0.22	3.79	0.03	100	500
DQ4a-03	30	35.23	42.63	40.92	1.21	0.96	0.13	1.63	0.8	0.23	1.61	0.03	150	500
DQ4a-01	30	34.96	41.25	39.6	1.18	0.96	0.12	2.07	0.87	0.22	2.7	0.03	150	540
DQ4a-04	30	32.50	41.93	40.25	1.29	0.96	0.15	1.1	0.87	0.22	1.76	0.03	150	540
DQ4a-05	30	35.14	41.82	40.15	1.19	0.96	0.09	2.54	0.8	0.22	2.52	0.03	150	520
DQ4b-09	30	55.15	59.56	58.37	1.08	0.98	0	2.73	0.87	0.22	1.96	0.01	0	520
DQ4b-08	30	56.23	59.04	56.68	1.05	0.96	0	0.78	0.79	0.2	3.04	0.01	0	500
DQ4b-03	30	58.77	58.18	54.11	0.99	0.93	0.05	1.67	0.81	0.27	4.81	0.02	100	520

DQ4b-02	30	57.12	59.4	54.65	1.04	0.92	0.03	1.98	0.91	0.23	3.62	0.02	0	520
DQ4b-01	30	58.71	58.71	-	1	-	0	3.77	0.85	0.19	4.9	0.03	0	500
DQ4b-07	30	60.67	60.67	-	1	-	0.04	1.65	0.92	0.14	1.92	0.02	0	520
DQ4b-06	30	57.62	59.92	58.12	1.04	0.97	0.04	0.65	0.87	0.16	1.85	0.01	0	520
DQ4b-04	30	58.15	57.57	53.54	0.99	0.93	-0.01	3.2	0.84	0.22	2.69	0.02	0	500
DQ4b-10	30	55.05	58.35	57.18	1.06	0.98	0	1.05	0.8	0.22	3.08	0.01	0	500
DQ4c-04	30	38.05	44.52	41.85	1.17	0.94	0.16	0.86	0.83	0.25	1.89	0.03	200	520
DQ4c-01	30	41.07	43.95	41.31	1.07	0.94	0.15	1.72	0.94	0.21	3.76	0.02	0	520
DQ4c-02	30	38.06	43.77	41.14	1.15	0.94	0.14	1.89	0.98	0.17	4.49	0.02	0	540
DQ4c-03	30	40.75	44.01	41.37	1.08	0.94	0.08	0.31	0.8	0.23	0.99	0.01	300	540
DQ5a-05	30	58.83	66.48	63.16	1.13	0.95	0	0.24	0.81	0.48	3.2	0.04	250	520
DQ5a-03	30	63.26	71.48	67.91	1.13	0.95	0	1.03	0.79	0.47	4.28	0.03	0	500
DQ5a-02	30	59.83	69.4	65.93	1.16	0.95	0.16	2.12	0.91	0.41	3.08	0.03	0	520
DQ5b-10	30	54.85	64.72	63.43	1.18	0.98	0.15	2.29	0.87	0.21	3.03	0.02	200	540
DQ5b-08	30	77.31	64.17	62.24	0.83	0.97	0.09	1.61	0.9	0.24	2.44	0.03	200	540
DQ5b-09	30	59.10	61.46	60.23	1.04	0.98	0.16	1.53	0.8	0.25	1.91	0.02	250	540
DQ5b-06	30	61.92	65.02	66.32	1.05	1.02	0	0.79	0.97	0.22	1.57	0.01	0	540
DQ5b-07	30	63.35	63.98	62.7	1.01	0.98	0	1.29	0.83	0.19	1.49	0.02	150	520
DQ5b-04	30	70.90	69.48	66.7	0.98	0.96	0.16	1.06	0.88	0.34	2.23	0.03	250	540
DQ5b-02	30	60.70	61.91	58.2	1.02	0.94	0.02	1.67	0.8	0.36	2.11	0.02	150	520
DQ5b-03	30	64.44	64.44	61.22	1	0.95	0.06	1.99	0.98	0.26	4.75	0.03	0	540
DQ5b-01	30	60.92	64.58	60.71	1.06	0.94	0.09	1.06	0.81	0.36	3.03	0.03	200	520
DQ7e-01	50	38.84	40.78	37.52	1.05	0.92	0	0.87	0.81	0.26	1.95	0.01	300	540
DQ7e-03	50	37.80	40.82	37.55	1.08	0.92	-0.07	0.85	0.81	0.3	3.57	0.02	250	520
DQ7e-02	50	40.40	40.8	37.94	1.01	0.93	0	0.24	0.85	0.26	1.31	0.01	300	540

DQ7f-01	50	44.34	46.56	43.3	1.05	0.93	0.11	0.79	0.97	0.26	2.09	0.01	0	560
DQ7f-02	50	46.27	45.81	42.6	0.99	0.93	0.05	1.2	0.86	0.34	1.72	0.01	0	520
DQ7f-03	50	43.92	46.55	43.76	1.06	0.94	0.11	1.21	0.86	0.31	2.88	0.01	0	520
DQ7f-04	50	42.42	47.09	43.79	1.11	0.93	0.08	0.17	0.79	0.35	1.64	0.01	300	540
DQ7g-04	50	48.88	46.44	43.19	0.95	0.93	-0.03	0.61	0.81	0.26	2.3	0.01	150	520
DQ7g-03	50	46.70	47.17	44.81	1.01	0.95	0.01	0.22	0.97	0.24	1.34	0.01	0	540
DQ7g-02	50	44.48	47.15	44.32	1.06	0.94	-0.01	0.58	0.9	0.23	2.91	0.01	0	520
DQ7g-01	50	45.25	47.51	45.13	1.05	0.95	0.07	0.3	0.8	0.27	2.11	0.01	250	540
DQ7j-01	50	52.04	51.52	47.91	0.99	0.93	0.15	1.76	0.81	0.22	2.84	0.03	100	500
DQ7j-02	50	53.34	53.34	49.61	1	0.93	0.15	1.69	0.91	0.23	2.03	0.02	200	540
DQ7j-03	50	50.51	55.06	51.21	1.09	0.93	0.05	1.72	0.79	0.29	2.11	0.01	350	540
DQ7k-03	50	49.67	50.66	46.61	1.02	0.92	0.08	1.89	0.8	0.18	1.75	0.03	0	480
DQ7k-02	50	50.88	51.39	47.79	1.01	0.93	0.06	1.15	0.79	0.2	1.39	0.03	0	480
DQ7k-01	50	52.92	55.04	51.19	1.04	0.93	0	2.41	0.83	0.21	3.71	0.02	0	500
DQ7k-04	50	51.92	52.44	48.77	1.01	0.93	0.13	0.97	0.9	0.15	2.46	0.02	100	500
DQ7l-04	50	46.43	46.89	42.67	1.01	0.91	0.15	1.01	0.97	0.19	2.44	0.02	0	560
DQ7l-02	50	45.55	45.55	41.45	1	0.91	0.11	3.1	0.91	0.21	4.9	0.02	0	520
DQ7l-03	50	49.49	48.5	43.65	0.98	0.9	0.08	1.53	0.98	0.21	3.91	0.02	0	560
DQ7l-01	50	48.21	47.73	43.43	0.99	0.91	0.14	1.65	0.95	0.2	3.41	0.03	0	540
DQ7o-04	50	50.33	52.34	48.15	1.04	0.92	0.08	1.01	0.82	0.19	4.17	0.04	0	460
DQ7o-03	50	52.40	53.45	49.17	1.02	0.92	0.14	1.49	0.85	0.19	3.3	0.05	0	460
DQ7o-02	50	52.35	54.44	50.08	1.04	0.92	0.15	2.57	0.9	0.19	3.31	0.04	0	480
DQ7o-01	50	51.90	53.46	49.18	1.03	0.92	0.12	0.85	0.93	0.18	1.8	0.03	0	480
DQ8a-04	50	54.63	54.63	50.81	1	0.93	0.03	0.57	0.87	0.19	1.7	0.01	100	520
DQ8a-03	50	64.41	56.68	52.71	0.88	0.93	0	1	0.98	0.17	2.94	0.01	0	540

DQ8a-01	50	57.46	55.74	51.84	0.97	0.93	-0.07	0.32	0.93	0.19	2.19	0.02	0	520
DQ8b-04	50	53.00	55.65	51.75	1.05	0.93	0.15	0.23	0.8	0.17	2.14	0.02	200	540
DQ8b-03	50	55.80	53.57	49.82	0.96	0.93	0.14	1.15	0.91	0.15	2.26	0.02	0	520
DQ8b-02	50	51.47	53.01	49.3	1.03	0.93	0.12	0.62	0.78	0.18	2.89	0.01	0	500
DQ8f-03	50	36.79	41.21	39.15	1.12	0.95	0.06	1.03	0.89	0.13	2.52	0.01	150	540
DQ8f-02	50	34.63	41.21	39.15	1.19	0.95	0.09	1.17	0.98	0.12	2.3	0.01	0	540
DQ8f-01	50	33.75	41.17	39.11	1.22	0.95	0.08	1.39	0.93	0.13	2.37	0.01	100	540
DQ8f-04	50	38.15	41.2	38.73	1.08	0.94	0.06	1.4	0.84	0.13	2.11	0.01	200	540
DQ8i-04	50	56.42	54.73	51.45	0.97	0.94	0.15	2.16	0.86	0.18	4.94	0.02	200	540
DQ8i-02	50	52.61	54.19	50.94	1.03	0.94	0.15	3.8	0.79	0.18	4.78	0.02	200	520
DQ8i-01	50	49.46	55.4	52.63	1.12	0.95	0.16	1.8	0.8	0.17	3.29	0.02	250	540
DQ8k-01	50	56.23	56.23	50.61	1	0.9	0.15	1.68	0.92	0.2	1.38	0.02	0	540
DQ8k-02	50	56.46	56.46	50.25	1	0.89	0.07	0.92	0.78	0.22	0.98	0.03	100	480
DQ8k-03	50	56.19	56.19	50.57	1	0.9	0.12	0.49	0.92	0.21	0.96	0.02	0	540
DQ8k-04	50	54.78	56.42	50.78	1.03	0.9	0.06	1.12	0.91	0.2	1.06	0.01	0	540
DQ8l-01	50	52.75	55.91	52.56	1.06	0.94	0.11	2.8	0.8	0.3	4.49	0.02	150	520
DQ8l-03	50	61.88	56.31	53.49	0.91	0.95	0.12	0.88	0.78	0.31	1.64	0.02	350	540
DQ8l-02	50	52.05	56.21	52.84	1.08	0.94	0.14	2.08	0.79	0.33	3.11	0.02	250	520
DQ8l-04	50	57.97	56.23	53.42	0.97	0.95	0.12	1.79	0.79	0.33	3.78	0.02	250	520
DQ8m-02	50	56.05	53.81	49.51	0.96	0.92	0.03	2.55	0.88	0.23	2.41	0.02	0	460
DQ8m-03	50	52.55	55.18	50.77	1.05	0.92	0	2.09	0.82	0.31	1.84	0.04	0	430
DQ8m-01	50	52.39	51.87	47.2	0.99	0.91	0.09	1.15	0.9	0.22	2.31	0.02	0	460
DQ8m-04	50	53.67	54.21	49.33	1.01	0.91	0.07	2.09	0.78	0.26	2.05	0.03	0	430
DQ9a-03	30	50.18	51.69	47.04	1.03	0.91	0.13	1.24	0.84	0.13	3.18	0.02	0	520
DQ9a-02	30	49.33	52.29	48.11	1.06	0.92	0.12	1.13	0.84	0.13	3.27	0.02	0	520

DQ9a-01	30	53.76	52.68	48.47	0.98	0.92	0.07	0.81	0.79	0.15	2.49	0.01	200	560
DQ9a-05	30	56.18	52.81	48.06	0.94	0.91	0.13	1.17	0.93	0.1	2.59	0.02	0	560
DQ9a-04	30	47.10	52.28	47.05	1.11	0.9	0.11	1.35	0.83	0.25	2.01	0.02	200	560
DQ9d-01	30	54.65	53.56	50.35	0.98	0.94	0.09	1.03	0.91	0.18	2.46	0.02	100	540
DQ9d-02	30	54.71	53.07	49.89	0.97	0.94	0.09	0.61	0.94	0.18	1.52	0.01	0	540
DQ9d-03	30	45.24	50.67	48.14	1.12	0.95	0.11	1.47	0.86	0.2	3.95	0.02	0	520
DQ9d-04	30	48.09	55.78	53.55	1.16	0.96	0.1	1.21	0.84	0.19	2.68	0.02	200	540
DQ9d-05	30	52.71	54.29	51.03	1.03	0.94	0.09	0.31	0.81	0.17	2.09	0.02	250	540
DQ9f-04	30	44.52	47.19	44.83	1.06	0.95	0	0.61	0.79	0.17	1.1	0.01	200	520
DQ9f-05	30	41.32	46.69	44.36	1.13	0.95	0.08	1.21	0.78	0.17	3.46	0.02	200	520
DQ9f-02	30	41.75	47.6	45.7	1.14	0.96	0.05	0.47	0.98	0.15	2.32	0.02	0	540
DQ9f-03	30	40.45	47.33	45.44	1.17	0.96	0.08	0.42	0.95	0.14	2.86	0.02	100	540
DQ9f-01	30	41.68	47.51	45.61	1.14	0.96	0.07	0.59	0.97	0.15	3.06	0.02	0	540
DQ9g-05	30	43.95	45.71	42.51	1.04	0.93	0.02	1.58	0.89	0.13	2	0.01	100	520
DQ9g-04	30	46.52	46.05	42.37	0.99	0.92	0.05	0.8	0.78	0.17	0.87	0.01	250	520
DQ9g-01	30	46.72	44.85	41.26	0.96	0.92	0	0.4	0.8	0.16	1.39	0.02	200	520
DQ9g-03	30	47.23	46.29	43.05	0.98	0.93	0.06	0.52	0.81	0.15	1.12	0.02	150	520
DQ9g-02	30	54.40	48.42	44.55	0.89	0.92	0.03	1.54	0.93	0.12	2.9	0.02	0	520
DQ9i-03	30	39.95	45.14	42.88	1.13	0.95	0.06	1.58	0.84	0.19	3.48	0.02	100	520
DQ9i-02	30	41.58	45.74	43.91	1.1	0.96	0.12	1.39	0.83	0.2	2.28	0.03	100	520
DQ9i-01	30	46.32	45.86	43.57	0.99	0.95	0.03	0.93	0.82	0.18	3.49	0.02	100	520
DQ9i-05	30	47.81	50.68	48.15	1.06	0.95	0.16	1.52	0.78	0.14	2.56	0.02	150	540
DQ9i-04	30	37.17	43.86	41.23	1.18	0.94	0	0.5	0.85	0.2	4.94	0.01	0	520
DQ9m-05	30	48.32	51.22	48.66	1.06	0.95	0.11	0.66	0.78	0.2	1.9	0.02	250	520
DQ9m-04	30	58.11	53.46	50.79	0.92	0.95	0.09	0.82	0.79	0.2	1.31	0.01	300	540

DQ9m-03	30	52.26	52.26	50.69	1	0.97	0.13	0.09	0.84	0.17	1.7	0.02	250	540
DQ9m-02	30	48.58	52.47	49.32	1.08	0.94	0	0.74	0.96	0.14	2.57	0.01	0	540
DQ9m-01	30	48.29	52.64	49.48	1.09	0.94	0.16	0.22	0.8	0.18	1.71	0.02	250	540
DQ9p-04	30	76.91	76.91	-	1	-	0.12	1.9	0.81	0.15	2.29	0.05	0	520
DQ9p-05	30	61.94	63.18	58.13	1.02	0.92	0	1.51	0.81	0.18	1.81	0.04	100	500
DQ9p-03	30	69.36	72.13	67.8	1.04	0.94	0.12	1.47	0.82	0.15	3.61	0.03	0	520
DY15-6	30	52.07	53.63	-	1.03	-	0	2.27	0.86	0.25	3.78	0.02	150	550
DY15-7	30	53.53	54.6	-	1.02	-	0	0.46	0.82	0.23	2.27	0.02	200	550
DY15-4	30	54.37	59.81	-	1.1	-	0.16	0.82	1	0.18	2.86	0.03	0	580
DY15-5	30	54.79	55.89	-	1.02	-	0.06	0.58	0.8	0.22	2.09	0.03	280	580
DY15-3	30	49.34	56.25	-	1.14	-	0	1.77	0.85	0.14	3.23	0.03	200	580
DY15-8	30	56.47	56.47	-	1	-	0.1	1.19	0.99	0.16	4.81	0.03	100	580
DY15-9	30	56.65	56.65	-	1	-	0.1	0.31	0.83	0.25	1.79	0.03	280	580
DY15-10	30	47.71	55.82	-	1.17	-	0.16	0.17	0.99	0.21	2.98	0.02	0	550
DY16-5	30	55.47	58.24	-	1.05	-	-0.06	0.87	0.84	0.37	3.66	0.02	310	520
DY16-4	30	59.33	60.52	-	1.02	-	-0.06	0.75	0.93	0.3	2.04	0.01	150	550
DY16-6	30	57.02	57.02	-	1	-	0	2.33	0.84	0.34	4.79	0.03	100	490
DY16-1	30	58.10	58.1	-	1	-	0.01	0.49	0.87	0.38	2.84	0.03	250	550
DY16-3	30	58.89	58.3	-	0.99	-	-0.1	0.62	0.79	0.34	0.65	0.02	370	520
DY16-2	30	58.96	57.19	-	0.97	-	-0.02	0.36	0.91	0.35	1.81	0.01	150	520
DY1A-10	30	59.36	59.95	-	1.01	-	0.02	0.24	0.88	0.29	1.7	0.02	200	550
DY1A-11	30	55.90	58.14	-	1.04	-	0	1.06	0.88	0.23	1.88	0.02	150	550
DY1A-6	30	66.24	56.3	-	0.85	-	0	3.3	0.89	0.25	4.82	0.03	100	490
DY1A-7	30	58.19	59.35	-	1.02	-	0.06	0.83	0.86	0.19	2.56	0.01	150	550
DY1A-4	30	58.36	58.36	-	1	-	0.03	1.03	0.91	0.22	2.06	0.02	150	550

DY1A-5	30	55.46	56.57	-	1.02	-	0	0.79	0.78	0.2	1.65	0.02	150	550
DY1A-8	30	59.36	59.95	-	1.01	-	0.08	0.38	0.82	0.16	1.72	0.02	150	550
DY1A-9	30	57.45	58.6	-	1.02	-	0	3.18	0.82	0.26	3.43	0.01	0	460
DY1u-06	30	67.99	76.15	72.34	1.12	0.95	0.15	1.71	0.79	0.19	3.24	0.03	200	500
DY1u-05	30	69.75	69.75	63.47	1	0.91	0.12	2.65	0.79	0.17	3.2	0.04	150	500
DY1u-03	30	73.41	67.54	61.46	0.92	0.91	0.02	0.99	0.89	0.28	2.6	0.01	200	520
DY1u-02	30	72.01	69.85	64.26	0.97	0.92	0.02	1.69	0.81	0.27	2.36	0.01	300	540
DY1u-08	30	64.82	63.52	63.52	0.98	1	0	2.9	0.83	0.25	2.55	0.03	250	520
DY23a-02	30	43.98	45.3	42.13	1.03	0.93	-0.15	1.2	0.93	0.21	3.84	0.02	100	580
DY23a-03	30	43.78	45.97	42.75	1.05	0.93	0	1.73	0.8	0.24	4.58	0.02	100	540
DY23a-01	30	42.01	43.69	40.63	1.04	0.93	0	1.52	0.84	0.19	4.03	0.01	150	580
DY23a-06	30	48.29	46.36	43.11	0.96	0.93	0	1.79	0.83	0.14	2.57	0.01	200	560
DY23a-04	30	50.84	48.81	44.91	0.96	0.92	-0.12	0.95	0.79	0.16	2.28	0.01	150	580
DY23a-05	30	39.88	39.88	-	1	-	0.03	1.19	0.85	0.12	3.88	0.02	150	560
DY30a-02	30	54.57	63.3	55.7	1.16	0.88	0.05	2.45	0.8	0.15	4.03	0.01	100	580
DY30a-03	30	60.42	62.84	54.67	1.04	0.87	0.07	0.64	0.8	0.3	3.25	0.01	100	560
DY30a-01	30	58.30	62.96	56.03	1.08	0.89	0.06	1.7	0.79	0.26	3.05	0.01	100	540
DY30a-06	30	58.63	65.08	55.97	1.11	0.86	0	1.79	0.86	0.19	2.75	0.02	0	580
DY30a-04	30	58.76	63.46	56.48	1.08	0.89	0.09	0.85	0.78	0.31	1.91	0.02	100	540
DY30a-05	30	54.69	62.89	56.6	1.15	0.9	0.1	0.91	0.79	0.19	2.39	0.02	100	540
DY35A-4	30	52.12	52.12	-	1	-	-0.03	0.78	0.96	0.17	1.49	0.01	100	550
DY35A-5	30	52.16	52.16	-	1	-	0.01	0.38	0.96	0.18	1.34	0.01	100	520
DY35A-2	30	52.09	52.09	-	1	-	0.1	2.81	0.9	0.16	3.62	0.03	100	520
DY35A-3	30	52.46	51.94	-	0.99	-	0	1.29	0.83	0.18	3.15	0.03	0	490
DY35A-1	30	51.14	52.16	-	1.02	-	0	0.91	0.99	0.19	2.28	0.01	0	520

DY35u-05	30	60.24	60.24	-	1	-	0	0.63	0.86	0.27	1.45	0.01	0	460
DY35u-04	30	59.73	60.33	52.49	1.01	0.87	0.01	1.18	0.86	0.21	2.33	0.01	0	460
DY35u-03	30	60.68	58.25	50.09	0.96	0.86	0	0.49	0.97	0.19	1.15	0.01	0	500
DY35u-02	30	59.15	60.92	52.39	1.03	0.86	0.05	1.37	0.88	0.21	2.46	0.02	0	460
DY35u-01	30	56.86	60.84	52.32	1.07	0.86	-0.01	1.61	0.87	0.2	4.1	0.01	0	460
DY37A-8	30	48.51	48.51	-	1	-	-0.16	1.8	0.79	0.17	4.05	0.02	200	580
DY37A-1	30	49.34	49.34	-	1	-	-0.15	1.2	0.95	0.13	4.76	0.02	0	580
DY37A-2	30	50.40	49.39	-	0.98	-	-0.02	0.35	0.91	0.14	3.83	0.02	100	580
DY37A-3	30	50.42	49.92	-	0.99	-	-0.12	1.19	0.8	0.16	2.45	0.02	150	550
DY37A-4	30	50.11	49.11	-	0.98	-	-0.04	1.13	0.92	0.16	3.5	0.02	100	580
DY37A-7	30	47.86	49.3	-	1.03	-	-0.08	1.34	0.79	0.18	2.42	0.02	200	580
DY37u-01	30	50.20	48.19	46.74	0.96	0.97	0.08	2.1	0.87	0.16	3.4	0.02	0	600
DY37u-03	30	50.59	49.58	49.08	0.98	0.99	0.1	2.35	0.89	0.35	3.26	0.02	0	600
DY37u-02	30	45.37	46.28	44.43	1.02	0.96	0.11	4.4	0.82	0.26	4.84	0.02	0	600
DY37u-05	30	44.48	47.15	45.74	1.06	0.97	0	2.73	0.81	0.33	3.32	0.02	0	580
DY37u-04	30	49.74	50.73	46.67	1.02	0.92	0.05	3.5	0.82	0.24	3.55	0.02	0	580
DY37u-06	30	45.42	45.42	43.15	1	0.95	0.07	3.92	0.79	0.3	4.58	0.02	0	540
DY40a-03	30	63.07	63.07	55.5	1	0.88	0	1.2	0.93	0.26	4.29	0.03	0	580
DY40a-02	30	62.24	61.62	54.23	0.99	0.88	0	0.7	0.96	0.26	4.23	0.02	0	580
DY40a-01	30	63.21	63.84	58.73	1.01	0.92	0	1.91	0.92	0.29	2.74	0.04	0	560
DY40a-06	30	59.17	61.54	54.77	1.04	0.89	-0.03	1.49	0.9	0.16	4.46	0.02	100	580
DY40a-04	30	56.68	57.81	52.03	1.02	0.9	0	2.71	0.86	0.14	3.71	0.02	100	580
DY41C-8	30	52.16	53.2	-	1.02	-	-0.06	0.59	0.91	0.33	2.38	0.02	200	520
DY41C-3	30	53.23	53.23	-	1	-	0.04	1.48	0.87	0.38	4.06	0.03	280	520
DY41C-2	30	54.09	51.93	-	0.96	-	-0.12	0.61	0.8	0.5	4.42	0.03	340	550

DY41C-1	30	55.63	54.52	-	0.98	-	-0.07	0.39	0.89	0.48	2.51	0.02	150	550
DY41C-7	30	52.18	53.22	-	1.02	-	-0.07	0.8	0.97	0.33	1.89	0.02	100	520
DY41C-6	30	53.16	53.16	-	1	-	0	1.19	0.78	0.38	3.1	0.04	150	490
DY41C-5	30	53.29	53.29	-	1	-	0.16	0.82	0.8	0.34	4.13	0.04	340	520
DY41C-4	30	53.15	53.15	-	1	-	0	0.24	0.87	0.37	1.11	0.03	250	520
DY4A-1	30	43.35	48.12	-	1.11	-	0.1	3.58	0.89	0.29	4.68	0.02	100	520
DY4A-3	30	53.22	54.28	-	1.02	-	0	2.34	0.8	0.16	4.46	0.03	0	490
DY4A-5	30	37.88	40.15	-	1.06	-	0	3.65	0.87	0.15	3.65	0.03	0	580
DY4A-4	30	45.55	50.56	-	1.11	-	0.15	0.73	0.96	0.42	4.53	0.04	0	550
DY4A-7	30	46.17	48.02	-	1.04	-	0.09	1.31	0.96	0.19	3.78	0.03	0	580
DY4A-6	30	44.42	47.53	-	1.07	-	0	1.07	0.96	0.28	3.2	0.03	100	580
DY4A-9	30	44.89	48.93	-	1.09	-	0	5.17	0.79	0.21	4.59	0.02	0	520
DY4A-8	30	46.53	48.39	-	1.04	-	0.14	3.14	0.94	0.19	4.23	0.03	0	550
DY7-3	30	46.22	46.22	-	1	-	0	2.79	0.92	0.36	4.85	0.03	0	460
DY7-1	30	45.77	45.77	-	1	-	-0.02	4.15	0.96	0.4	3.07	0.02	0	460
DY7-4	30	46.99	46.99	-	1	-	0.08	5.39	0.86	0.37	3.28	0.02	0	430
DY9a-03	30	56.36	56.36	50.72	1	0.9	-0.08	2.75	0.95	0.44	2.66	0.02	0	420
DY9a-02	30	53.08	56.26	51.2	1.06	0.91	-0.14	1.91	0.96	0.45	2.15	0.02	0	460
DY9a-01	30	52.79	56.48	51.4	1.07	0.91	0	1.71	0.94	0.4	1.53	0.01	100	500
LJZ2b-08	30	37.45	37.82	-	1.01	-	-0.1	1.24	0.81	0.19	4.87	0.03	0	450
LJZ2b-05	30	39.43	38.64	-	0.98	-	-0.03	1.29	0.93	0.21	4.87	0.02	100	580
LJZ2b-04	30	38.55	37.39	-	0.97	-	-0.07	1.66	0.93	0.25	4.54	0.02	100	580
LJZ2b-07	30	38.34	37.96	-	0.99	-	0	4.66	0.8	0.19	4.94	0.03	0	450
LJZ2b-06	30	36.78	36.78	-	1	-	0	0.79	0.81	0.19	2.64	0.02	100	480
LJZ3c-09	30	41.38	36.83	-	0.89	-	0.11	1.28	0.78	0.26	2.9	0.04	250	520

LJZ3c-08	30	61.23	37.35	-	0.61	-	0.1	1.92	0.87	0.19	3.76	0.03	100	520
LJZ3c-07	30	38.24	33.27	-	0.87	-	0	0.93	0.83	0.23	2.5	0.03	200	520
LJZ3c-05	30	43.40	35.15	-	0.81	-	0.04	0.79	0.95	0.24	3.74	0.03	0	500
LJZ3c-04	30	37.17	32.34	-	0.87	-	0.14	2	0.79	0.29	2.36	0.02	250	520
LJZ3d-01	30	33.12	34.44	-	1.04	-	0.07	3.06	0.9	0.18	4.93	0.03	0	580
LJZ3d-06	30	41.17	41.99	-	1.02	-	0	1.19	0.82	0.15	4.13	0.02	0	520
LJZ3d-04	30	39.14	38.36	-	0.98	-	0.02	1.9	0.79	0.14	3.41	0.02	0	520
LJZ3d-05	30	36.82	38.29	-	1.04	-	-0.12	1.17	0.81	0.14	1.81	0.03	150	560
LJZ4f-03	30	42.35	38.96	-	0.92	-	0.08	3.23	0.86	0.23	4.28	0.03	0	500
LJZ4f-07	30	38.93	37.76	-	0.97	-	0	3.14	0.83	0.26	4.47	0.04	200	500
LJZ4f-06	30	34.08	38.51	-	1.13	-	0.15	3.35	0.81	0.23	3.32	0.03	150	500
LJZ4f-05	30	38.88	38.49	-	0.99	-	0	1.37	0.83	0.21	2.49	0.03	100	500
LJZ4f-04	30	39.26	38.87	-	0.99	-	0	1.68	0.94	0.23	2.76	0.03	0	520
QJZd-05	30	42.18	41.76	37.58	0.99	0.9	-0.06	1.4	0.97	0.27	2.24	0.02	0	520
QJZd-02	30	38.10	39.24	37.28	1.03	0.95	0	2.56	0.85	0.21	4.74	0.02	150	495
QJZd-01	30	47.70	41.02	37.74	0.86	0.92	-0.11	1.48	0.84	0.25	4.14	0.02	100	480
SWC4A-8	30	43.35	54.62	-	1.26	-	0	2.12	0.96	0.3	3.18	0.03	0	520
SWC4A-4	30	42.44	47.53	-	1.12	-	-0.11	1.41	0.85	0.19	3.63	0.02	150	520
SWC4A-5	30	44.59	47.71	-	1.07	-	-0.13	0.41	0.9	0.18	3.75	0.03	100	520
SWC4A-6	30	42.71	46.98	-	1.1	-	-0.07	1.37	0.9	0.16	1.76	0.02	150	520
SWC4A-7	30	44.76	47.45	-	1.06	-	-0.06	0.39	0.84	0.16	1.67	0.02	100	490
SWC4A-3	30	42.25	46.47	-	1.1	-	-0.13	0.76	0.82	0.18	1.31	0.04	150	520
SWC5B-5	30	53.79	61.86	-	1.15	-	0	0.38	0.85	0.15	4.68	0.02	0	520
SWC5B-6	30	52.76	61.2	-	1.16	-	0	0.27	0.95	0.14	2.79	0.03	100	580
SWC5B-7	30	56.37	60.32	-	1.07	-	0.15	0.43	0.85	0.19	2.87	0.02	100	520

SWC5B-12	30	56.01	61.61	-	1.1	-	-0.03	0.32	0.95	0.17	2.44	0.02	100	580
SWC5B-10	30	58.48	63.74	-	1.09	-	-0.03	1.06	0.98	0.2	3.23	0.03	0	580
SWC5B-14	30	57.38	60.82	-	1.06	-	0	2.33	0.8	0.16	4.12	0.02	0	520
TTc-02	30	39.56	37.58	-	0.95	-	-0.15	1.02	0.91	0.26	3.54	0.02	100	580
TTc-03	30	43.35	43.35	-	1	-	-0.09	3.12	0.89	0.18	4.4	0.02	100	540
TTc-06	30	45.36	44.45	-	0.98	-	-0.03	0.92	0.98	0.14	2.54	0.02	0	580
TTc-04	30	42.97	44.69	-	1.04	-	-0.02	1.47	0.99	0.14	3.86	0.01	0	560
TTc-05	30	40.57	36.92	-	0.91	-	0	1.14	0.78	0.21	2	0.02	200	540
WJCh-04	30	32.56	33.54	-	1.03	-	0.1	4.39	0.81	0.24	3.9	0.03	0	480
WJCh-05	30	35.87	40.53	-	1.13	-	0.12	1.38	0.79	0.29	3.76	0.05	0	450
WJCh-08	30	32.61	34.57	-	1.06	-	0.14	2.52	0.87	0.17	3.92	0.03	0	480
Y22a-04	30	33.55	32.21	-	0.96	-	0.06	0.76	0.79	0.16	4.7	0.02	0	520
Y22a-05	30	31.94	31.94	-	1	-	0.04	2.08	0.89	0.14	4.56	0.01	0	540
Y22a-06	30	33.82	33.82	-	1	-	0	0.89	0.86	0.16	2.12	0.02	200	560
Y22a-01	30	39.10	34.02	-	0.87	-	0	1.7	0.82	0.16	3.05	0.02	100	540
Y22a-02	30	37.23	37.23	-	1	-	0	0.5	0.84	0.16	2.7	0.01	200	560
Y22a-03	30	35.45	34.74	-	0.98	-	0.01	0.09	0.8	0.16	3.89	0.02	250	580
Y23a-05	30	42.95	39.94	-	0.93	-	0.16	0.49	0.87	0.24	3.14	0.02	250	560
Y23a-04	30	41.51	38.19	-	0.92	-	0.11	1.37	0.83	0.24	3.15	0.03	250	520
Y23a-07	30	39.96	39.56	-	0.99	-	0.15	0.65	0.95	0.27	1.78	0.03	0	500
Y23a-06	30	41.59	39.93	-	0.96	-	0.14	2.16	0.85	0.25	1.76	0.02	250	520
Y23a-09	30	41.00	41.82	-	1.02	-	0.16	1.97	0.94	0.19	3.96	0.03	0	500
Y23a-08	30	39.82	39.82	-	1	-	0	1.13	0.84	0.29	3.04	0.05	200	500
Y23b-04	30	36.90	38.75	-	1.05	-	0.04	1.07	0.96	0.23	3.65	0.02	0	520
Y23b-05	30	33.53	37.55	-	1.12	-	0.09	3.21	0.87	0.25	3.72	0.02	150	500

Y23b-06	30	37.54	37.54	-	1	-	0.02	1.19	0.79	0.26	2.44	0.01	100	480
Y23b-03	30	34.38	36.1	-	1.05	-	0.12	4.12	0.88	0.23	4.98	0.02	200	540
Y23c-03	30	40.49	38.87	-	0.96	-	0.11	0.75	0.97	0.19	2.91	0.03	100	560
Y23c-02	30	47.06	37.65	-	0.8	-	0	2.21	0.92	0.2	4.89	0.02	100	520
Y23c-06	30	38.35	39.5	-	1.03	-	0.01	2.35	0.98	0.24	3.91	0.03	0	520
Y23c-05	30	43.55	38.76	-	0.89	-	0.11	0.88	0.83	0.25	4.94	0.03	150	500
Y23c-04	30	35.80	38.66	-	1.08	-	0.08	2.08	0.97	0.24	3.76	0.02	0	520
Y81i-01	30	35.85	35.85	34.06	1	0.95	0.15	1.16	0.85	0.16	2.2	0.04	200	580
Y81i-03	30	38.44	37.67	35.79	0.98	0.95	0.11	1.4	0.79	0.24	2.13	0.03	250	580
Y81i-02	30	37.26	37.26	35.77	1	0.96	0.15	1.71	0.78	0.14	3.93	0.03	200	560
Y81i-05	30	39.65	39.25	37.68	0.99	0.96	0.14	1.7	0.85	0.21	3.16	0.04	200	580
Y85a-05	30	43.98	41.34	-	0.94	-	0.03	0.08	0.85	0.2	2.51	0.03	250	560
Y85a-04	30	43.97	40.01	-	0.91	-	0.07	0.22	0.79	0.18	2.99	0.02	0	520
Y85a-06	30	41.35	40.94	-	0.99	-	0.1	0.59	0.91	0.16	2.92	0.02	100	540
Y85a-01	30	44.02	43.14	-	0.98	-	-0.14	2.31	0.8	0.2	3.6	0.03	0	520
Y85a-03	30	35.74	35.74	-	1	-	-0.13	4.64	0.8	0.16	4.17	0.02	0	520
Y85a-02	30	43.27	43.27	-	1	-	0	1.16	0.83	0.19	2.68	0.02	250	560
YJC1a-09	30	54.59	58.41	53.74	1.07	0.92	0.1	0.87	0.79	0.14	2.07	0.03	250	580
YJC1a-08	30	51.76	54.87	50.48	1.06	0.92	0.01	1.31	0.81	0.12	1.75	0.02	200	560
YJC1a-03	30	54.59	56.23	51.73	1.03	0.92	0.14	0.59	0.89	0.13	4.98	0.03	100	560
YJC1a-02	30	49.18	55.57	52.79	1.13	0.95	0.13	0.59	0.82	0.2	2.34	0.02	100	540
YJC1a-01	30	53.93	55.01	51.16	1.02	0.93	0.1	0.19	0.82	0.14	4.84	0.02	150	560
YJC1a-07	30	55.48	56.03	50.43	1.01	0.9	-0.02	0.82	0.83	0.12	1.13	0.02	100	560
ZJZ1-2	30	10.65	10.44	-	0.98	-	0.14	2.71	0.82	0.18	4.15	0.02	200	580
ZJZ1-3	30	10.76	10.87	-	1.01	-	0	2.49	0.82	0.2	4.45	0.02	200	580

ZJZ1-1	30	12.25	12.13	-	0.99	-	0.12	2.69	0.89	0.19	4.55	0.03	150	580
ZJZ1-6	30	12.16	11.92	-	0.98	-	0	1.77	0.87	0.19	3.25	0.03	150	580
ZJZ1-4	30	13.59	13.45	-	0.99	-	0	1.54	0.81	0.19	3.4	0.02	200	580
ZJZ1-5	30	14.64	14.35	-	0.98	-	0	1.01	0.83	0.2	3	0.02	200	580
ZZc-06	30	54.01	51.31	-	0.95	-	-0.04	1.64	0.8	0.2	2.31	0.02	100	520
ZZc-07	30	52.84	51.25	-	0.97	-	0.06	1.69	0.87	0.2	3.07	0.02	100	540
ZZc-04	30	61.20	51.41	-	0.84	-	0.15	1.1	0.82	0.18	1.91	0.05	250	540
ZZc-08	30	49.10	51.56	-	1.05	-	-0.01	0.55	0.98	0.13	2.23	0.02	0	560

B_{lab} is the applied lab field. B_{raw} is the paleointensity before any correction. B_{ac} is the paleointensity after anisotropy correction of thermal remanent magnetization (aTRM). B_{acc} is the paleointensity after both aTRM and cooling rate corrections. F_{aniso} / F_{cool} is the factor of aTRM / cooling rate correction. T_{min} / T_{max} is the minimum/maximum temperature step selected for calculating the paleointensity. The remaining definitions are the same as in Table S3.

Table S6 Data of the Chinese archeomagnetic reference curves in Fig. 2

ArchInt_China.1a			ArchInt_China.1b			ArchDec_China.1			ArchInc_China.1		
Age	VADM	σ_{VADM}	Age	VADM	σ_{VADM}	Age	Dec	σ_{Dec}	Age	Inc	σ_{Dec}
(CE)	ZAm^2		(CE)	ZAm^2		(CE)	(^{o})		(CE)	(^{o})	
-5726	65.73	1.86	-5993	63.29	9.88	-5059	3.14	1.55	-4950	48.16	1.79
-5576	64.93	2.27	-5983	65.16	12.61	-5049	2.91	1.72	-4940	48.42	2.06
-5566	65.41	2.14	-5973	63.28	12.73	-5039	2.91	1.72	-4930	47.67	1.50
-5556	65.41	2.14	-5963	63.27	12.75	-5029	3.26	2.15	-4920	47.80	1.33
-5546	64.96	2.30	-5953	61.70	12.56	-5019	3.31	1.74	-4910	47.95	1.20
-5536	64.96	2.30	-5943	61.96	12.69	-5009	4.15	2.04	-4900	47.70	0.96
-5526	64.96	2.30	-5933	62.43	12.95	-4999	4.15	2.04	-4890	47.90	1.22
-5516	64.96	2.30	-5923	63.26	12.73	-4989	4.46	1.87	-4880	47.96	1.20
-5506	63.77	2.87	-5913	62.74	12.70	-4979	4.46	1.87	-4870	48.09	1.26
-5496	63.77	2.87	-5903	64.45	13.93	-4969	4.46	1.87	-4860	48.20	1.24
-5486	63.77	2.87	-5893	63.38	13.26	-4959	4.29	2.07	-4850	48.38	1.33
-5476	64.22	2.89	-5883	63.00	13.11	-4949	4.40	1.99	-4840	48.31	1.28
-5466	62.31	2.35	-5873	62.58	13.19	-4939	4.01	2.12	-4830	48.33	1.25
-5456	62.31	2.35	-5863	63.28	14.11	-4929	4.05	2.01	-4820	48.49	1.29
-5446	62.31	2.35	-5853	64.42	14.96	-4919	4.30	2.17	-4810	48.35	1.44
-5436	62.31	2.35	-5843	64.57	14.68	-4909	3.16	1.78	-4800	48.42	1.48
-5426	61.34	2.18	-5833	64.04	14.47	-4899	3.70	1.99	-4790	48.33	1.47
-5416	61.32	1.99	-5823	65.02	15.06	-4889	3.84	1.81	-4780	48.24	1.48
-5406	62.47	2.82	-5813	64.93	14.98	-4879	3.87	2.08	-4770	48.24	1.50
-5396	62.47	2.82	-5803	64.88	14.91	-4869	4.02	1.85	-4760	48.21	1.45
-5386	63.16	3.10	-5793	65.26	15.23	-4859	4.62	2.26	-4750	48.13	1.48
-5376	62.75	3.18	-5783	64.27	14.52	-4849	4.49	2.16	-4740	48.20	1.54
-5366	63.07	3.39	-5773	64.24	14.24	-4839	4.60	1.98	-4730	48.16	1.53
-5356	62.29	3.56	-5763	63.54	13.59	-4829	4.38	2.01	-4720	48.09	1.49
-5346	63.32	3.56	-5753	63.13	12.22	-4819	4.25	2.01	-4710	48.05	1.43
-5336	63.32	3.56	-5743	62.40	12.12	-4809	4.26	1.87	-4700	48.10	1.47
-5326	64.46	3.42	-5733	63.10	11.88	-4799	3.93	2.01	-4690	48.10	1.53
-5316	65.11	3.40	-5723	61.44	10.63	-4789	3.77	2.15	-4680	48.17	1.50
-5306	63.80	3.51	-5713	61.00	10.43	-4779	3.87	2.04	-4670	48.15	1.51
-5296	63.49	3.34	-5703	60.91	10.35	-4769	3.95	2.25	-4660	48.24	1.53
-5286	63.64	3.53	-5693	60.69	10.15	-4759	3.78	2.05	-4650	48.27	1.47
-5276	63.64	3.53	-5683	61.29	11.03	-4749	3.85	2.09	-4640	48.22	1.46
-5266	63.64	3.53	-5673	62.73	11.74	-4739	3.94	2.08	-4630	48.21	1.50
-5256	64.53	3.01	-5663	62.82	12.05	-4729	3.91	2.11	-4620	48.21	1.53
-5246	63.18	3.07	-5653	63.26	12.77	-4719	3.90	2.18	-4610	48.36	1.59
-5236	64.28	2.82	-5643	64.02	12.56	-4709	3.99	2.20	-4600	48.28	1.61
-5226	64.64	2.64	-5633	63.98	12.47	-4699	4.00	2.27	-4590	48.30	1.56

-5216	64.54	2.83	-5623	64.36	12.78	-4689	4.03	2.34	-4580	48.27	1.56
-5206	64.97	2.66	-5613	64.97	12.53	-4679	3.90	2.48	-4570	48.32	1.59
-5196	65.45	2.35	-5603	65.67	12.84	-4669	3.85	2.47	-4560	48.23	1.59
-5186	65.23	2.29	-5593	66.05	13.07	-4659	3.90	2.46	-4550	48.29	1.65
-5176	64.22	2.87	-5583	66.21	12.46	-4649	3.85	2.44	-4540	48.31	1.68
-5166	64.18	2.87	-5573	66.09	12.13	-4639	3.80	2.44	-4530	48.35	1.64
-5156	64.01	2.92	-5563	66.27	12.46	-4629	3.80	2.49	-4520	48.38	1.63
-5146	63.85	2.86	-5553	66.37	12.44	-4619	3.88	2.46	-4510	48.34	1.62
-5136	63.87	2.90	-5543	66.26	13.19	-4609	3.77	2.49	-4500	48.35	1.63
-5126	64.03	2.92	-5533	65.85	13.40	-4599	3.83	2.48	-4490	48.35	1.61
-5116	64.07	2.86	-5523	65.95	13.55	-4589	3.76	2.44	-4480	48.42	1.65
-5106	64.09	2.81	-5513	65.41	13.70	-4579	3.82	2.37	-4470	48.34	1.83
-5096	63.55	2.99	-5503	64.95	13.69	-4569	3.82	2.28	-4460	48.34	1.83
-5086	63.66	2.93	-5493	65.10	13.43	-4559	3.80	2.29	-4450	48.28	1.83
-5076	64.05	2.89	-5483	65.63	14.41	-4549	3.73	2.33	-4440	48.28	1.81
-5066	64.25	2.91	-5473	65.31	15.08	-4539	3.81	2.36	-4430	48.27	1.85
-5056	64.18	2.90	-5463	65.46	15.28	-4529	3.89	2.35	-4420	48.24	2.01
-5046	64.50	2.90	-5453	66.14	16.11	-4519	3.86	2.35	-4410	48.20	1.99
-5036	64.52	2.90	-5443	65.89	15.98	-4509	3.80	2.36	-4400	48.22	2.00
-5026	63.89	3.13	-5433	65.63	15.90	-4499	3.79	2.33	-4390	48.29	2.09
-5016	64.07	3.08	-5423	65.02	15.60	-4489	3.87	2.25	-4380	48.17	2.33
-5006	64.24	3.14	-5413	65.78	15.86	-4479	3.81	2.22	-4370	48.27	2.40
-4996	64.61	3.02	-5403	65.33	15.60	-4469	3.45	3.82	-4360	48.31	2.44
-4986	64.63	3.07	-5393	65.72	15.74	-4459	3.41	3.79	-4350	48.21	2.82
-4976	64.57	2.95	-5383	65.10	15.50	-4449	3.40	3.78	-4340	48.11	2.84
-4966	64.36	2.89	-5373	64.93	15.10	-4439	3.13	4.56	-4330	47.97	3.43
-4956	64.66	2.79	-5363	64.99	15.00	-4429	3.05	4.59	-4320	47.92	3.47
-4946	64.59	2.79	-5353	64.37	14.54	-4419	3.10	4.58	-4310	47.94	3.99
-4936	64.52	2.84	-5343	64.59	14.17	-4409	3.19	4.63	-4300	48.30	4.62
-4926	64.82	2.59	-5333	65.14	13.94	-4399	3.16	4.68	-4290	48.36	4.78
-4916	64.57	2.65	-5323	65.61	14.32	-4389	3.06	4.82	-4280	48.35	5.53
-4906	64.20	2.60	-5313	65.61	14.81	-4379	2.88	5.50	-4270	48.39	6.25
-4896	63.79	2.66	-5303	65.76	14.61	-4369	3.05	4.67	-4260	48.37	6.70
-4886	63.49	2.66	-5293	64.84	14.32	-4359	2.97	5.33	-4250	48.60	6.96
-4876	63.55	2.77	-5283	64.95	13.96	-4349	2.73	6.62	-4240	48.68	7.12
-4866	63.61	2.94	-5273	65.61	14.34	-4339	2.92	6.08	-4230	48.83	7.08
-4856	63.44	2.97	-5263	66.03	14.30	-4329	2.33	7.04	-4220	48.89	7.48
-4846	63.14	2.98	-5253	66.32	14.42	-4319	1.50	8.17	-4210	48.85	7.54
-4836	63.18	2.93	-5243	66.88	14.75	-4309	0.79	9.58	-4200	48.96	7.75
-4826	63.25	2.96	-5233	66.93	14.91	-4299	0.64	9.84	-4190	48.81	7.99
-4816	63.50	2.97	-5223	66.78	14.75	-4289	0.27	10.34	-4180	49.01	7.86
-4806	63.56	3.03	-5213	67.40	14.54	-4279	-0.43	10.90	-4170	49.22	8.14

-4796	63.71	3.00	-5203	66.96	14.73	-4269	-0.69	11.14	-4160	49.58	8.30
-4786	63.85	2.99	-5193	67.32	15.26	-4259	-1.77	11.59	-4150	49.51	8.68
-4776	63.92	2.99	-5183	67.53	15.56	-4249	-2.07	11.57	-4140	49.76	8.67
-4766	63.86	2.88	-5173	67.48	15.19	-4239	-2.62	11.79	-4130	50.05	8.85
-4756	63.86	2.89	-5163	67.11	15.57	-4229	-3.00	12.81	-4120	49.97	8.63
-4746	64.18	2.88	-5153	67.17	15.67	-4219	-3.44	12.76	-4110	50.20	8.36
-4736	64.09	2.92	-5143	67.60	16.46	-4209	-3.66	12.30	-4100	49.99	8.39
-4726	64.17	2.88	-5133	67.92	16.99	-4199	-4.08	13.00	-4090	49.85	8.26
-4716	64.20	2.87	-5123	68.79	17.48	-4189	-4.41	13.13	-4080	49.88	8.08
-4706	64.42	2.76	-5113	69.30	18.03	-4179	-4.36	12.94	-4070	49.71	7.75
-4696	64.41	2.78	-5103	70.06	18.37	-4169	-5.09	13.46	-4060	49.44	7.53
-4686	64.33	2.71	-5093	70.62	18.16	-4159	-4.69	13.84	-4050	49.34	7.07
-4676	64.27	2.80	-5083	70.33	18.17	-4149	-5.27	13.62	-4040	49.32	7.19
-4666	64.27	2.83	-5073	70.74	18.48	-4139	-5.53	13.76	-4030	49.29	6.85
-4656	64.33	2.81	-5063	71.73	18.39	-4129	-5.74	13.39	-4020	49.40	6.88
-4646	64.55	2.77	-5053	72.11	18.23	-4119	-5.57	13.89	-4010	49.38	7.09
-4636	64.55	2.77	-5043	71.35	17.86	-4109	-5.67	14.30	-4000	49.30	6.65
-4626	64.43	2.83	-5033	70.95	17.59	-4099	-5.36	13.80	-3990	49.33	6.52
-4616	64.33	2.84	-5023	70.33	17.20	-4089	-5.40	13.74	-3980	49.20	6.39
-4606	64.17	2.89	-5013	69.33	16.64	-4079	-5.09	13.54	-3970	49.10	6.13
-4596	64.30	2.87	-5003	69.52	16.38	-4069	-4.57	13.55	-3960	49.13	6.01
-4586	64.43	2.93	-4993	70.18	16.80	-4059	-4.46	13.31	-3950	48.99	6.11
-4576	64.46	2.81	-4983	70.51	16.95	-4049	-3.65	13.08	-3940	48.81	5.77
-4566	64.48	2.78	-4973	70.03	16.87	-4039	-3.47	12.97	-3930	48.63	5.66
-4556	64.45	2.76	-4963	69.31	16.67	-4029	-3.19	12.92	-3920	48.46	5.46
-4546	64.28	2.76	-4953	69.10	16.60	-4019	-2.90	12.43	-3910	48.33	5.32
-4536	64.22	2.76	-4943	68.48	16.55	-4009	-2.61	12.35	-3900	48.22	5.46
-4526	64.39	2.71	-4933	68.30	16.60	-3999	-2.21	12.05	-3890	48.22	5.43
-4516	64.24	2.79	-4923	68.74	16.66	-3989	-1.87	11.78	-3880	48.26	5.48
-4506	64.34	2.78	-4913	68.87	16.76	-3979	-1.70	11.79	-3870	48.26	5.73
-4496	64.23	2.76	-4903	68.94	16.86	-3969	-1.66	11.58	-3860	48.15	5.82
-4486	64.04	2.77	-4893	68.54	16.62	-3959	-1.57	11.39	-3850	48.33	5.66
-4476	64.23	2.82	-4883	68.13	16.40	-3949	-1.30	11.34	-3840	48.45	5.67
-4466	64.15	2.86	-4873	67.81	16.37	-3939	-1.17	11.38	-3830	48.46	5.68
-4456	63.96	2.90	-4863	67.86	16.50	-3929	-0.85	11.15	-3820	48.61	5.77
-4446	64.00	2.87	-4853	67.94	16.58	-3919	-0.84	11.04	-3810	48.52	5.49
-4436	64.10	2.88	-4843	68.24	16.49	-3909	-0.53	10.54	-3800	48.54	5.39
-4426	64.09	2.90	-4833	68.89	16.84	-3899	-0.56	10.63	-3790	48.63	5.46
-4416	64.30	2.86	-4823	68.45	16.77	-3889	-0.40	10.42	-3780	48.55	5.42
-4406	64.17	2.86	-4813	69.03	17.09	-3879	-0.21	10.15	-3770	48.66	5.12
-4396	64.22	2.90	-4803	68.55	16.86	-3869	0.00	9.87	-3760	48.87	5.03
-4386	64.40	2.84	-4793	68.66	16.84	-3859	0.28	9.54	-3750	48.82	4.93

-4376	64.14	2.82	-4783	68.91	16.92	-3849	0.16	9.46	-3740	48.71	5.15
-4366	64.12	2.83	-4773	69.57	17.23	-3839	0.33	9.03	-3730	48.77	5.51
-4356	64.29	2.80	-4763	69.78	17.04	-3829	0.16	9.01	-3720	48.82	5.84
-4346	64.21	2.88	-4753	69.43	16.93	-3819	0.58	8.74	-3710	49.44	6.18
-4336	64.05	2.95	-4743	69.45	17.01	-3809	0.47	8.78	-3700	49.86	6.31
-4326	63.95	2.92	-4733	69.38	16.83	-3799	0.14	9.03	-3690	49.77	6.36
-4316	63.83	2.90	-4723	69.35	16.88	-3789	-0.01	9.37	-3680	49.73	6.41
-4306	63.76	2.94	-4713	68.83	16.50	-3779	0.00	9.40	-3670	49.92	6.76
-4296	63.90	2.94	-4703	68.82	16.71	-3769	-0.24	9.74	-3660	50.06	6.43
-4286	63.81	2.94	-4693	68.85	16.85	-3759	-0.42	10.12	-3650	50.17	6.81
-4276	63.80	2.91	-4683	68.54	16.68	-3749	-0.91	10.80	-3640	50.69	6.98
-4266	63.66	2.94	-4673	68.23	16.25	-3739	-1.44	11.05	-3630	51.36	6.56
-4256	63.71	2.93	-4663	68.22	16.52	-3729	-1.24	10.93	-3620	50.82	6.00
-4246	63.80	2.85	-4653	68.99	16.66	-3719	-1.97	11.48	-3610	50.63	5.46
-4236	63.82	2.78	-4643	69.14	16.74	-3709	-2.60	11.83	-3600	50.88	5.83
-4226	63.86	2.78	-4633	68.62	16.73	-3699	-1.98	12.22	-3590	50.78	5.97
-4216	63.91	2.78	-4623	68.66	16.50	-3689	-1.82	12.28	-3580	50.78	5.97
-4206	64.08	2.72	-4613	68.14	16.45	-3679	-2.51	12.99	-3570	50.61	2.56
-4196	63.97	2.76	-4603	68.58	16.57	-3669	-3.43	13.67	-3560	49.89	2.36
-4186	64.02	2.76	-4593	67.94	16.10	-3659	-4.74	14.72	-3380	54.51	1.50
-4176	63.95	2.81	-4583	68.04	16.31	-3649	-5.24	14.51	-3370	54.51	1.50
-4166	64.13	2.73	-4573	68.30	16.67	-3639	-2.65	14.14	-3360	53.23	2.66
-4156	64.02	2.78	-4563	68.25	16.56	-3629	-2.81	13.78	-3350	53.23	2.66
-4146	64.01	2.78	-4553	67.39	16.36	-3619	-3.07	14.78	-3340	52.47	2.97
-4136	64.10	2.75	-4543	67.63	16.41	-3609	-2.72	14.51	-3330	53.01	3.05
-4126	64.10	2.75	-4533	67.62	16.48	-3599	-4.41	13.08	-3320	51.05	6.95
-4116	64.21	2.71	-4523	67.63	16.75	-3589	-4.41	13.08	-3310	52.18	5.60
-4106	64.20	2.71	-4513	68.40	17.04	-3579	-5.34	12.89	-3300	53.21	5.59
-4096	64.13	2.66	-4503	68.57	17.07	-3569	-1.60	10.76	-3290	53.25	5.79
-4086	64.07	2.72	-4493	68.31	16.98	-3559	-3.97	8.94	-3280	53.08	5.67
-4076	64.12	2.74	-4483	68.67	17.09	-3549	-1.96	7.69	-3270	53.35	5.45
-4066	64.03	2.79	-4473	68.27	16.80	-3539	-4.34	7.85	-3260	53.63	5.45
-4056	64.04	2.76	-4463	67.98	16.54	-3529	-4.75	8.72	-3250	53.45	5.47
-4046	64.02	2.75	-4453	67.75	16.64	-3519	-3.91	10.00	-3240	53.67	5.40
-4036	63.91	2.77	-4443	67.36	16.28	-3509	-0.07	8.60	-3230	53.62	5.25
-4026	63.89	2.78	-4433	67.64	16.18	-3499	-0.07	8.60	-3220	53.83	5.09
-4016	63.77	2.79	-4423	67.63	15.93	-3489	-0.07	8.60	-3210	53.61	5.49
-4006	63.80	2.87	-4413	67.19	15.62	-3339	8.29	4.05	-3200	53.36	5.60
-3996	63.81	2.87	-4403	66.70	15.36	-3329	11.93	5.75	-3190	53.07	5.34
-3986	63.81	2.86	-4393	67.02	15.51	-3319	11.19	6.53	-3180	53.04	5.45
-3976	63.93	2.82	-4383	66.46	14.99	-3309	10.97	5.41	-3170	53.15	5.45
-3966	63.96	2.80	-4373	66.39	15.05	-3299	10.16	5.34	-3160	53.15	5.35

-3956	64.12	2.80	-4363	66.05	14.81	-3289	8.47	6.78	-3150	53.18	5.45
-3946	64.09	2.84	-4353	66.37	14.85	-3279	9.61	7.17	-3140	53.20	5.38
-3936	64.09	2.85	-4343	65.99	14.28	-3269	10.78	7.46	-3130	53.19	5.36
-3926	64.05	2.84	-4333	66.11	14.22	-3259	10.72	7.99	-3120	53.03	5.52
-3916	64.14	2.86	-4323	65.91	14.15	-3249	10.45	8.72	-3110	53.03	5.49
-3906	64.02	2.82	-4313	65.78	13.98	-3239	10.37	9.03	-3100	52.98	5.50
-3896	64.05	2.82	-4303	65.73	13.59	-3229	9.49	9.33	-3090	52.94	5.75
-3886	64.16	2.77	-4293	65.69	13.57	-3219	9.50	9.76	-3080	52.97	5.76
-3876	64.00	2.80	-4283	66.01	14.04	-3209	9.69	9.78	-3070	52.88	5.83
-3866	64.04	2.79	-4273	66.43	14.09	-3199	9.61	9.77	-3060	52.93	5.92
-3856	63.86	2.85	-4263	66.73	14.13	-3189	10.26	9.87	-3050	52.86	5.94
-3846	63.84	2.83	-4253	66.63	13.98	-3179	10.55	10.10	-3040	52.81	5.95
-3836	63.86	2.82	-4243	66.79	14.29	-3169	10.51	10.17	-3030	52.75	6.07
-3826	63.83	2.83	-4233	66.26	14.09	-3159	10.62	10.04	-3020	52.79	6.01
-3816	63.77	2.81	-4223	66.50	14.26	-3149	10.57	9.77	-3010	52.78	6.00
-3806	63.94	2.79	-4213	66.74	14.52	-3139	10.54	9.81	-3000	52.79	5.99
-3796	63.94	2.77	-4203	66.47	14.59	-3129	10.67	9.61	-2990	52.89	5.85
-3786	63.87	2.79	-4193	66.47	14.56	-3119	10.83	9.64	-2980	52.88	5.86
-3776	64.00	2.83	-4183	66.05	14.01	-3109	10.95	9.54	-2970	52.88	5.83
-3766	64.05	2.86	-4173	65.31	13.66	-3099	10.86	9.65	-2960	52.87	5.76
-3756	64.14	2.74	-4163	65.37	13.77	-3089	10.58	9.57	-2950	52.92	5.74
-3746	64.22	2.76	-4153	65.54	13.87	-3079	10.59	9.40	-2940	52.92	5.77
-3736	64.26	2.82	-4143	65.64	14.11	-3069	10.56	9.45	-2930	52.93	5.64
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-3716	64.42	2.78	-4123	65.62	13.83	-3049	10.60	9.57	-2910	53.02	5.57
-3706	64.37	2.81	-4113	65.57	13.44	-3039	10.70	9.52	-2900	53.09	5.57
-3696	64.36	2.85	-4103	65.64	13.31	-3029	10.60	9.64	-2890	53.13	5.59
-3686	64.43	2.81	-4093	66.03	13.60	-3019	10.39	9.65	-2880	53.02	5.44
-3676	64.35	2.81	-4083	66.49	13.65	-3009	10.27	9.70	-2870	53.19	5.32
-3666	64.35	2.81	-4073	67.26	13.74	-2999	10.28	9.65	-2860	53.13	5.24
-3656	64.21	2.85	-4063	67.63	13.69	-2989	10.30	9.68	-2850	53.17	5.05
-3646	64.17	2.82	-4053	67.56	13.53	-2979	10.05	9.72	-2840	53.26	4.88
-3636	64.20	2.78	-4043	67.94	13.47	-2969	10.15	9.57	-2830	53.36	4.76
-3626	64.22	2.80	-4033	68.42	13.35	-2959	10.13	9.63	-2820	53.41	4.63
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-3606	64.02	2.79	-4013	69.00	13.39	-2939	9.90	9.47	-2800	53.56	4.33
-3596	63.88	2.83	-4003	69.45	13.28	-2929	10.08	9.31	-2790	53.58	4.13
-3586	63.81	2.81	-3993	69.41	12.87	-2919	10.08	9.08	-2780	53.87	4.00
-3576	63.87	2.78	-3983	69.50	12.85	-2909	10.03	8.91	-2770	53.79	3.92
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-3556	63.79	2.74	-3963	69.56	12.71	-2889	10.27	8.54	-2750	53.92	3.74
-3546	63.78	5.12	-3953	69.82	12.63	-2879	10.37	8.20	-2740	53.98	3.65

-3536	63.78	5.11	-3943	69.90	12.52	-2869	9.99	8.05	-2730	54.01	3.62
-3526	63.76	5.12	-3933	70.09	12.60	-2859	9.72	7.56	-2720	53.98	3.63
-3516	63.77	5.13	-3923	70.11	12.31	-2849	9.53	7.32	-2710	54.01	3.58
-3506	63.79	5.13	-3913	70.13	12.28	-2839	9.41	6.92	-2700	53.95	3.56
-3496	63.81	5.14	-3903	70.29	12.33	-2829	8.98	6.52	-2690	53.85	3.56
-3486	63.82	5.15	-3893	70.54	12.43	-2819	9.06	6.16	-2680	53.74	3.57
-3476	63.83	5.15	-3883	70.57	12.32	-2809	8.96	5.97	-2670	53.75	3.53
-3466	63.83	5.16	-3873	70.64	12.18	-2799	8.60	5.51	-2660	53.64	3.52
-3456	63.81	5.17	-3863	70.22	12.27	-2789	8.52	4.99	-2650	53.58	3.53
-3446	64.10	3.08	-3853	70.30	12.21	-2779	8.53	4.83	-2640	53.46	3.52
-3436	64.15	3.09	-3843	70.11	12.15	-2769	8.59	4.63	-2630	53.44	3.50
-3426	64.27	3.06	-3833	69.67	12.19	-2759	8.59	4.42	-2620	53.36	3.48
-3416	64.20	3.06	-3823	69.48	12.29	-2749	8.64	4.26	-2610	53.24	3.43
-3406	64.06	2.98	-3813	69.18	12.29	-2739	8.63	4.07	-2600	53.16	3.41
-3396	64.05	2.91	-3803	68.82	12.13	-2729	8.71	4.00	-2590	53.12	3.43
-3386	64.04	2.94	-3793	68.03	12.00	-2719	8.65	3.96	-2580	53.00	3.44
-3376	64.21	2.94	-3783	67.60	11.98	-2709	8.65	3.89	-2570	52.93	3.42
-3366	64.23	2.87	-3773	67.00	12.02	-2699	8.64	3.89	-2560	52.84	3.43
-3356	64.53	2.76	-3763	66.56	11.85	-2689	8.58	3.87	-2550	52.76	3.42
-3346	64.34	2.77	-3753	66.03	11.78	-2679	8.59	3.95	-2540	52.72	3.41
-3336	64.08	2.84	-3743	65.59	11.64	-2669	8.62	3.93	-2530	52.48	3.45
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-3316	63.45	5.31	-3723	65.39	11.82	-2649	8.75	3.92	-2510	52.19	3.38
-3306	63.65	5.26	-3713	65.05	11.84	-2639	8.79	3.98	-2500	52.13	3.41
-3296	63.60	5.24	-3703	64.70	11.74	-2629	8.81	3.96	-2490	52.02	3.38
-3286	63.80	5.34	-3693	64.89	11.72	-2619	8.77	3.93	-2480	52.06	3.27
-3276	63.45	5.46	-3683	64.68	11.61	-2609	8.75	3.99	-2470	51.77	3.25
-3266	63.56	5.37	-3673	64.87	11.55	-2599	8.79	3.98	-2460	51.87	3.44
-3256	63.73	5.38	-3663	65.01	11.44	-2589	8.88	4.01	-2450	51.69	3.37
-3246	64.01	5.31	-3653	64.87	11.30	-2579	8.80	4.05	-2440	51.27	3.25
-3236	64.28	5.23	-3643	64.75	11.24	-2569	8.64	4.20	-2430	51.14	3.32
-3226	64.50	5.18	-3633	64.68	11.04	-2559	8.62	4.28	-2420	50.99	3.32
-3216	65.30	3.52	-3623	64.85	10.92	-2549	8.53	4.41	-2410	50.73	3.18
-3206	65.61	3.66	-3613	65.22	10.80	-2539	8.36	4.36	-2400	50.32	3.12
-3196	65.89	3.51	-3603	65.29	10.94	-2529	8.42	4.58	-2390	49.99	3.24
-3186	65.91	3.65	-3593	65.35	10.99	-2519	8.54	4.69	-2380	49.69	3.12
-3176	66.25	3.82	-3583	65.60	11.24	-2509	8.69	4.53	-2370	49.61	3.23
-3166	66.48	3.96	-3573	65.56	11.24	-2499	8.69	4.72	-2360	49.60	2.96
-3156	66.43	4.05	-3563	65.52	11.25	-2489	8.59	4.89	-2350	49.82	3.01
-3146	66.34	3.99	-3553	65.47	11.33	-2479	8.84	4.80	-2340	49.91	3.22
-3136	66.46	3.96	-3543	64.23	8.19	-2469	9.10	4.58	-2330	49.97	3.01
-3126	66.19	4.70	-3533	64.25	8.07	-2459	9.13	4.44	-2320	49.62	3.13

-3116	66.21	4.62	-3523	64.33	8.19	-2449	8.89	4.70	-2310	49.66	3.09
-3106	66.23	4.58	-3513	64.34	8.22	-2439	9.22	4.87	-2300	49.61	3.09
-3096	66.15	4.52	-3503	64.38	8.32	-2429	8.69	4.88	-2290	49.62	2.83
-3086	66.18	4.43	-3493	64.50	8.38	-2419	8.39	4.89	-2280	49.43	2.66
-3076	66.13	4.38	-3483	64.46	8.35	-2409	8.23	5.05	-2270	49.31	2.62
-3066	66.31	4.31	-3473	64.55	8.44	-2399	7.81	4.76	-2260	49.16	2.62
-3056	66.27	4.83	-3463	64.54	8.38	-2389	7.49	4.89	-2250	48.98	2.50
-3046	66.33	4.84	-3453	64.64	8.37	-2379	7.15	4.79	-2240	49.27	2.61
-3036	66.35	4.81	-3443	66.75	11.49	-2369	6.32	5.17	-2230	49.17	2.54
-3026	66.74	4.60	-3433	66.76	11.64	-2359	5.66	4.77	-2220	49.26	2.41
-3016	66.93	4.84	-3423	66.75	11.47	-2349	5.87	4.19	-2210	49.18	2.36
-3006	67.19	5.80	-3413	66.64	11.38	-2339	5.81	3.90	-2200	49.22	2.32
-2996	68.14	5.91	-3403	66.77	11.18	-2329	5.75	3.54	-2190	49.18	2.27
-2986	68.94	5.90	-3393	66.91	11.17	-2319	5.80	3.51	-2180	49.03	2.22
-2976	69.75	5.68	-3383	67.23	11.23	-2309	6.12	3.56	-2170	49.19	2.22
-2966	70.40	5.43	-3373	67.02	11.10	-2299	6.93	3.87	-2160	49.58	2.35
-2956	70.88	5.05	-3363	67.29	11.17	-2289	7.18	3.91	-2150	49.39	2.62
-2946	71.05	4.91	-3353	67.49	11.15	-2279	7.21	3.88	-2140	49.29	2.74
-2936	71.26	4.78	-3343	67.76	11.20	-2269	7.79	3.47	-2130	49.20	2.93
-2926	71.35	4.72	-3333	68.28	11.71	-2259	7.98	3.65	-2120	49.47	2.88
-2916	71.42	4.66	-3323	68.33	11.74	-2249	7.99	3.65	-2110	49.39	2.81
-2906	71.50	4.58	-3313	68.68	11.99	-2239	7.88	3.63	-2100	49.53	2.74
-2896	71.50	4.62	-3303	68.62	12.06	-2229	7.98	3.53	-2090	49.62	2.79
-2886	71.54	4.59	-3293	68.62	11.88	-2219	7.72	3.79	-2080	49.73	2.80
-2876	71.56	4.61	-3283	69.04	11.79	-2209	7.44	3.86	-2070	49.69	2.79
-2866	71.55	4.72	-3273	69.16	12.06	-2199	6.64	3.64	-2060	49.41	2.75
-2856	71.58	4.91	-3263	69.40	12.31	-2189	6.72	3.47	-2050	49.55	2.48
-2846	71.67	5.05	-3253	69.32	12.39	-2179	6.60	3.46	-2040	49.45	2.15
-2836	71.64	5.39	-3243	69.79	12.44	-2169	6.78	3.52	-2030	49.64	2.15
-2826	71.72	5.90	-3233	69.51	12.19	-2159	6.53	3.28	-2020	49.74	2.09
-2816	71.76	6.40	-3223	69.65	12.20	-2149	6.58	3.25	-2010	49.64	2.30
-2806	71.91	6.79	-3213	69.71	12.15	-2139	6.46	3.25	-2000	49.42	2.49
-2796	72.06	6.96	-3203	70.23	12.21	-2129	6.62	3.66	-1990	49.51	2.43
-2786	72.16	7.17	-3193	70.19	12.31	-2119	6.83	3.45	-1980	49.47	2.44
-2776	72.25	7.43	-3183	70.28	12.44	-2109	7.07	3.38	-1970	49.48	2.43
-2766	72.39	7.31	-3173	70.64	12.45	-2099	7.31	3.18	-1960	49.45	2.35
-2756	72.40	7.17	-3163	70.63	12.30	-2089	6.91	3.32	-1950	49.54	2.34
-2746	72.45	7.25	-3153	70.60	12.19	-2079	7.00	3.33	-1940	49.42	2.36
-2736	72.46	7.46	-3143	70.40	12.07	-2069	6.84	3.22	-1930	49.41	2.40
-2726	72.44	7.27	-3133	70.51	12.07	-2059	6.84	3.41	-1920	49.18	2.35
-2716	72.50	7.28	-3123	70.42	12.25	-2049	6.67	3.53	-1910	49.16	2.29
-2706	72.52	7.16	-3113	70.49	12.38	-2039	6.86	3.62	-1900	49.25	2.16

-2696	72.39	7.76	-3103	70.34	12.36	-2029	6.60	3.01	-1890	49.21	2.25
-2686	72.26	8.30	-3093	70.47	12.49	-2019	6.75	3.02	-1880	49.26	2.22
-2676	72.22	8.52	-3083	70.46	12.52	-2009	6.41	3.01	-1870	49.28	2.30
-2666	72.11	9.14	-3073	70.53	12.68	-1999	6.31	3.04	-1860	49.22	2.28
-2656	71.68	10.35	-3063	70.86	12.85	-1989	6.62	3.57	-1850	49.16	2.25
-2646	71.44	10.84	-3053	70.82	12.77	-1979	6.49	3.60	-1840	49.24	2.24
-2636	71.19	11.35	-3043	70.91	12.85	-1969	6.44	3.64	-1830	49.34	2.08
-2626	70.64	12.58	-3033	71.21	12.90	-1959	6.56	3.48	-1820	49.40	2.05
-2616	70.19	13.43	-3023	71.55	12.95	-1949	6.58	3.65	-1810	49.51	2.09
-2606	69.39	14.53	-3013	71.61	12.80	-1939	6.77	3.71	-1800	49.56	2.12
-2596	68.89	15.20	-3003	71.80	12.73	-1929	6.73	3.91	-1790	49.59	2.00
-2586	68.21	15.97	-2993	71.79	12.44	-1919	6.61	3.86	-1780	49.60	2.03
-2576	67.48	16.78	-2983	71.82	12.16	-1909	6.54	4.00	-1770	49.65	2.11
-2566	66.16	18.00	-2973	71.83	11.16	-1899	6.51	4.06	-1760	49.74	2.18
-2556	65.73	18.16	-2963	71.66	10.27	-1889	6.40	3.50	-1750	49.79	2.42
-2546	64.10	19.59	-2953	71.84	9.69	-1879	6.06	3.66	-1740	49.87	2.51
-2536	62.37	20.91	-2943	71.87	9.05	-1869	6.11	3.56	-1730	49.71	2.59
-2526	61.47	21.48	-2933	71.84	8.57	-1859	5.70	3.73	-1720	49.66	2.57
-2516	58.12	23.27	-2923	71.81	8.31	-1849	5.98	3.75	-1710	49.70	2.46
-2506	56.07	24.21	-2913	71.90	8.23	-1839	5.64	3.51	-1700	49.70	2.39
-2496	53.47	25.05	-2903	71.95	8.11	-1829	5.93	3.59	-1690	49.65	2.34
-2486	49.00	25.84	-2893	72.03	8.08	-1819	6.13	3.80	-1680	49.75	2.67
-2476	45.60	25.69	-2883	72.07	8.10	-1809	6.27	3.76	-1670	49.64	2.62
-2466	42.10	24.97	-2873	72.10	8.41	-1799	6.55	3.71	-1660	49.53	2.54
-2456	39.27	24.47	-2863	72.24	8.71	-1789	6.44	3.72	-1650	49.34	2.32
-2446	37.94	24.07	-2853	72.33	9.00	-1779	6.70	3.56	-1640	49.18	2.31
-2436	34.48	23.31	-2843	72.48	9.46	-1769	6.62	3.57	-1630	49.36	2.70
-2426	31.82	21.48	-2833	72.55	10.12	-1759	6.87	5.13	-1620	49.34	2.82
-2416	31.48	23.09	-2823	72.85	10.85	-1749	6.38	5.32	-1610	49.31	2.80
-2406	29.44	21.77	-2813	72.89	11.37	-1739	6.39	5.31	-1600	49.80	3.77
-2396	28.95	21.66	-2803	72.96	11.68	-1729	6.18	5.18	-1590	49.98	4.14
-2386	28.31	21.22	-2793	72.97	12.08	-1719	5.77	5.02	-1580	50.13	4.35
-2376	27.46	19.99	-2783	73.10	12.14	-1709	6.01	5.06	-1570	50.22	4.39
-2366	27.64	20.28	-2773	73.12	12.10	-1699	5.61	5.08	-1560	50.32	4.34
-2356	27.61	20.39	-2763	73.11	11.97	-1689	5.55	5.15	-1550	50.81	4.60
-2346	26.65	18.97	-2753	73.18	11.85	-1679	5.28	5.37	-1540	51.21	4.85
-2336	26.89	18.91	-2743	73.21	12.00	-1669	5.46	5.66	-1530	51.60	5.11
-2326	26.92	19.24	-2733	73.42	12.21	-1659	5.53	4.33	-1520	51.97	5.44
-2316	28.09	20.63	-2723	73.36	11.99	-1649	5.73	4.17	-1510	52.16	5.66
-2306	29.98	23.50	-2713	73.35	11.99	-1639	5.65	4.43	-1500	52.02	5.70
-2296	29.27	22.47	-2703	73.30	12.27	-1629	5.40	4.95	-1490	52.00	5.60
-2286	30.30	24.00	-2693	73.32	12.41	-1619	5.86	5.07	-1480	52.13	5.57

-2276	33.37	27.94	-2683	73.47	12.45	-1609	5.32	5.66	-1470	52.14	5.53
-2266	34.52	29.20	-2673	73.58	12.30	-1599	4.76	7.32	-1460	52.48	5.92
-2256	35.19	29.95	-2663	73.52	12.42	-1589	4.59	7.56	-1450	52.58	5.99
-2246	36.92	31.19	-2653	73.39	12.70	-1579	4.63	7.48	-1440	52.69	6.08
-2236	37.77	31.92	-2643	73.21	12.89	-1569	3.10	8.64	-1430	52.44	6.00
-2226	38.68	32.49	-2633	73.10	12.67	-1559	3.45	8.41	-1420	52.63	6.02
-2216	38.71	32.62	-2623	72.94	13.08	-1549	3.03	8.52	-1410	53.03	6.12
-2206	40.20	33.18	-2613	73.05	13.23	-1539	2.82	8.70	-1400	53.36	6.07
-2196	42.83	34.85	-2603	72.88	13.54	-1529	2.22	9.13	-1390	53.76	6.21
-2186	43.51	35.28	-2593	72.81	13.54	-1519	1.87	9.22	-1380	53.81	6.22
-2176	44.25	36.38	-2583	72.47	13.73	-1509	1.86	9.25	-1370	54.04	6.23
-2166	44.78	37.09	-2573	72.15	14.47	-1499	1.30	8.98	-1360	54.18	6.02
-2156	46.23	37.56	-2563	72.15	14.71	-1489	1.49	8.84	-1350	54.39	6.03
-2146	47.40	38.20	-2553	72.11	14.89	-1479	1.28	8.80	-1340	54.59	6.05
-2136	50.21	39.55	-2543	71.87	15.33	-1469	0.86	8.78	-1330	54.75	6.02
-2126	52.74	40.13	-2533	71.69	15.80	-1459	-0.30	9.17	-1320	54.70	5.94
-2116	52.98	39.96	-2523	71.38	16.47	-1449	-0.55	9.20	-1310	54.63	5.96
-2106	54.89	40.26	-2513	71.20	16.81	-1439	-1.07	9.18	-1300	54.71	5.94
-2096	55.70	41.03	-2503	71.28	16.88	-1429	-1.67	9.13	-1290	54.73	5.96
-2086	58.26	41.86	-2493	71.13	17.15	-1419	-2.38	9.19	-1280	54.81	6.01
-2076	59.59	40.79	-2483	70.82	17.58	-1409	-2.71	9.05	-1270	54.82	6.01
-2066	63.74	40.94	-2473	70.89	17.53	-1399	-3.14	9.46	-1260	54.85	6.11
-2056	65.73	40.89	-2463	70.72	17.60	-1389	-3.57	9.57	-1250	54.90	6.08
-2046	69.64	40.89	-2453	70.42	18.08	-1379	-4.21	9.86	-1240	54.87	6.05
-2036	71.24	40.81	-2443	70.58	17.96	-1369	-4.28	9.79	-1230	54.93	5.98
-2026	71.25	40.48	-2433	70.30	18.26	-1359	-4.38	9.78	-1220	55.14	6.00
-2016	75.25	39.70	-2423	70.59	17.92	-1349	-4.58	9.95	-1210	55.16	5.97
-2006	76.47	39.18	-2413	70.45	18.30	-1339	-4.79	9.80	-1200	55.10	6.03
-1996	80.12	37.43	-2403	70.13	18.72	-1329	-4.99	9.78	-1190	55.06	6.05
-1986	81.81	36.26	-2393	70.43	18.72	-1319	-4.93	9.63	-1180	55.02	6.02
-1976	83.43	36.02	-2383	70.62	18.84	-1309	-5.19	9.76	-1170	55.04	6.04
-1966	84.03	35.70	-2373	70.41	18.95	-1299	-5.06	9.59	-1160	55.14	6.01
-1956	84.89	35.30	-2363	70.16	19.60	-1289	-5.06	9.42	-1150	55.10	6.05
-1946	86.45	34.81	-2353	70.33	19.59	-1279	-4.77	9.09	-1140	55.23	6.07
-1936	85.78	34.88	-2343	70.53	19.80	-1269	-4.87	9.14	-1130	55.30	6.19
-1926	88.28	34.02	-2333	70.82	19.69	-1259	-4.97	8.88	-1120	55.25	6.26
-1916	88.56	33.76	-2323	70.80	19.85	-1249	-5.11	8.73	-1110	55.29	6.27
-1906	89.86	33.66	-2313	70.72	19.87	-1239	-5.02	8.62	-1100	55.43	6.31
-1896	91.47	33.21	-2303	71.29	19.79	-1229	-5.08	8.61	-1090	55.60	6.34
-1886	91.78	32.83	-2293	71.48	20.05	-1219	-5.11	8.67	-1080	55.71	6.38
-1876	92.20	32.18	-2283	71.60	20.15	-1209	-4.98	8.54	-1070	55.79	6.39
-1866	93.51	30.97	-2273	72.26	20.21	-1199	-5.12	8.58	-1060	55.82	6.44

-1856	94.91	30.75	-2263	72.85	19.87	-1189	-5.24	8.61	-1050	55.99	6.50
-1846	95.30	30.14	-2253	73.52	19.85	-1179	-5.42	8.73	-1040	55.86	6.55
-1836	97.47	28.45	-2243	73.55	19.90	-1169	-5.44	8.64	-1030	55.87	6.59
-1826	97.23	28.41	-2233	74.36	20.24	-1159	-5.44	8.86	-1020	55.96	6.61
-1816	98.30	27.90	-2223	74.73	20.45	-1149	-5.55	9.00	-1010	56.15	6.69
-1806	98.73	27.23	-2213	75.39	20.72	-1139	-5.59	9.11	-1000	56.21	6.68
-1796	99.22	26.46	-2203	75.89	20.89	-1129	-5.60	9.18	-990	56.30	6.66
-1786	100.70	25.71	-2193	76.17	21.15	-1119	-5.80	9.22	-980	56.56	6.74
-1776	102.21	24.70	-2183	76.74	21.50	-1109	-6.00	9.31	-970	56.88	6.78
-1766	103.20	23.88	-2173	77.04	21.86	-1099	-5.86	9.35	-960	57.02	6.88
-1756	103.70	22.98	-2163	77.51	22.22	-1089	-6.03	9.51	-950	57.22	6.82
-1746	104.19	22.58	-2153	77.56	22.74	-1079	-6.10	9.58	-940	57.58	6.79
-1736	104.23	22.63	-2143	78.33	22.93	-1069	-6.25	9.75	-930	57.90	6.70
-1726	105.32	21.63	-2133	78.62	23.15	-1059	-6.44	9.88	-920	58.07	6.70
-1716	105.85	21.02	-2123	78.96	23.28	-1049	-6.44	9.77	-910	58.31	6.61
-1706	106.77	20.16	-2113	79.26	23.24	-1039	-6.85	9.99	-900	58.45	6.55
-1696	107.04	20.04	-2103	79.87	23.14	-1029	-7.13	10.07	-890	58.60	6.51
-1686	107.21	19.72	-2093	80.27	23.21	-1019	-7.38	10.19	-880	58.58	6.39
-1676	107.56	19.42	-2083	80.68	23.00	-1009	-7.68	10.33	-870	58.61	6.32
-1666	107.93	19.38	-2073	81.52	22.88	-999	-8.18	10.44	-860	58.61	6.16
-1656	108.62	18.81	-2063	82.20	22.97	-989	-8.49	10.63	-850	58.84	6.11
-1646	108.72	18.94	-2053	82.99	22.62	-979	-8.76	10.82	-840	59.07	6.01
-1636	109.20	18.05	-2043	83.53	22.63	-969	-9.12	10.82	-830	58.95	5.89
-1626	109.55	17.72	-2033	84.05	22.45	-959	-9.45	10.84	-820	59.02	5.71
-1616	109.61	17.79	-2023	84.94	22.31	-949	-9.77	10.99	-810	59.05	5.60
-1606	110.01	17.71	-2013	85.79	21.78	-939	-9.87	11.02	-800	59.29	5.40
-1596	110.24	17.51	-2003	86.14	22.00	-929	-10.28	11.20	-790	59.26	5.28
-1586	110.51	17.16	-1993	86.90	21.88	-919	-10.77	11.23	-780	59.37	5.22
-1576	110.74	17.11	-1983	87.30	21.96	-909	-11.03	11.32	-770	59.13	5.19
-1566	110.14	17.16	-1973	87.98	22.07	-899	-11.42	11.26	-760	59.26	5.04
-1556	110.57	16.71	-1963	88.40	21.96	-889	-11.25	11.17	-750	58.92	5.01
-1546	111.01	16.51	-1953	88.99	22.13	-879	-11.36	11.13	-740	58.60	4.84
-1536	111.15	16.46	-1943	89.43	21.87	-869	-11.39	11.33	-730	58.57	4.73
-1526	111.39	16.55	-1933	90.00	21.93	-859	-11.52	11.26	-720	58.40	4.74
-1516	111.57	16.41	-1923	90.43	21.68	-849	-11.38	11.42	-710	58.12	4.63
-1506	111.81	16.13	-1913	91.01	21.79	-839	-11.46	11.42	-700	57.75	4.48
-1496	111.75	15.95	-1903	91.56	21.44	-829	-11.15	11.42	-690	57.22	4.49
-1486	111.83	16.17	-1893	92.05	21.54	-819	-10.70	11.47	-680	56.83	4.31
-1476	111.86	16.08	-1883	92.74	21.27	-809	-10.05	11.47	-670	56.72	4.15
-1466	112.34	15.98	-1873	93.12	20.93	-799	-9.76	11.55	-660	56.42	4.11
-1456	112.33	16.02	-1863	93.63	20.63	-789	-9.53	11.62	-650	56.16	4.28
-1446	112.36	15.88	-1853	94.33	20.40	-779	-9.18	11.63	-640	56.00	4.20

-1436	112.55	15.79	-1843	95.08	20.36	-769	-8.63	11.67	-630	56.00	4.26
-1426	112.49	15.62	-1833	95.83	20.07	-759	-7.71	11.59	-620	55.83	4.29
-1416	112.32	15.50	-1823	96.45	19.76	-749	-7.22	11.63	-610	55.60	4.46
-1406	112.34	15.37	-1813	96.92	19.52	-739	-6.42	11.57	-600	55.58	4.55
-1396	112.59	15.35	-1803	97.22	19.29	-729	-5.56	11.45	-590	55.63	4.58
-1386	112.96	15.10	-1793	97.51	18.85	-719	-4.64	11.24	-580	55.68	4.52
-1376	113.02	14.96	-1783	97.74	18.71	-709	-4.35	11.27	-570	55.54	4.72
-1366	113.13	14.78	-1773	98.10	18.62	-699	-3.51	10.96	-560	55.45	4.66
-1356	113.17	14.57	-1763	98.39	18.54	-689	-2.53	10.62	-550	55.44	4.44
-1346	113.22	14.49	-1753	98.65	18.17	-679	-2.16	10.50	-540	55.44	4.51
-1336	112.94	14.37	-1743	98.85	17.69	-669	-1.40	10.12	-530	55.28	4.37
-1326	113.04	14.31	-1733	99.03	17.49	-659	-1.27	10.30	-520	55.11	4.46
-1316	113.39	14.33	-1723	99.37	17.34	-649	-1.01	10.04	-510	55.04	4.69
-1306	113.46	14.27	-1713	99.66	17.61	-639	-0.96	10.31	-500	54.87	4.83
-1296	113.37	14.19	-1703	100.20	17.65	-629	-1.18	10.66	-490	54.62	5.03
-1286	113.01	14.06	-1693	100.45	17.55	-619	-1.36	10.83	-480	54.28	5.43
-1276	113.10	14.18	-1683	100.75	17.36	-609	-1.29	10.91	-470	54.03	5.77
-1266	113.17	14.12	-1673	100.91	17.31	-599	-1.16	10.80	-460	53.67	6.17
-1256	113.12	14.20	-1663	101.41	17.12	-589	-2.02	11.56	-450	53.43	6.60
-1246	113.19	14.22	-1653	101.78	17.06	-579	-2.87	12.62	-440	53.24	6.79
-1236	113.57	14.27	-1643	102.32	17.22	-569	-3.75	13.32	-430	52.49	7.53
-1226	113.54	14.30	-1633	102.36	17.26	-559	-4.69	14.06	-420	52.11	7.69
-1216	113.38	14.27	-1623	102.59	17.25	-549	-4.77	14.53	-410	51.94	7.80
-1206	113.19	14.19	-1613	102.85	16.85	-539	-5.58	14.95	-400	51.40	8.10
-1196	113.51	14.16	-1603	103.08	16.57	-529	-6.26	15.43	-390	51.15	8.42
-1186	113.86	14.23	-1593	103.66	16.49	-519	-7.77	16.07	-380	50.90	8.70
-1176	113.79	14.21	-1583	104.13	16.35	-509	-8.44	16.19	-370	50.66	8.85
-1166	113.73	14.19	-1573	104.43	16.30	-499	-9.40	16.48	-360	50.29	9.09
-1156	113.61	14.19	-1563	104.64	16.28	-489	-9.87	16.56	-350	49.72	9.24
-1146	113.25	14.20	-1553	104.84	16.15	-479	-10.27	16.43	-340	49.07	9.46
-1136	113.13	14.08	-1543	104.98	15.99	-469	-10.52	16.48	-330	49.08	9.46
-1126	113.09	13.93	-1533	105.47	15.77	-459	-11.08	16.47	-320	48.57	9.66
-1116	113.15	13.89	-1523	105.86	15.68	-449	-12.50	16.51	-310	47.58	9.91
-1106	113.06	13.96	-1513	106.11	15.54	-439	-13.32	16.52	-300	46.92	10.06
-1096	112.81	14.03	-1503	106.40	15.62	-429	-13.77	16.41	-290	45.98	10.08
-1086	112.81	13.94	-1493	106.24	15.58	-419	-13.43	16.54	-280	44.99	10.08
-1076	112.80	13.81	-1483	106.26	15.57	-409	-13.87	16.50	-270	43.11	9.77
-1066	112.73	13.81	-1473	106.28	15.46	-399	-13.86	16.56	-260	40.48	8.71
-1056	112.87	13.81	-1463	106.31	15.44	-389	-13.59	16.65	-250	38.92	7.68
-1046	113.18	13.83	-1453	106.49	15.46	-379	-13.74	16.79	-240	38.36	7.14
-1036	113.35	14.01	-1443	106.67	15.34	-369	-13.73	16.91	-230	38.12	6.92
-1026	113.25	14.14	-1433	106.78	15.38	-359	-13.42	16.94	-220	37.91	6.73

-1016	113.16	14.17	-1423	106.61	15.27	-349	-13.06	16.76	-210	37.76	6.59
-1006	113.45	14.38	-1413	106.67	15.27	-339	-12.65	16.78	-200	37.53	6.36
-996	113.46	14.38	-1403	106.89	15.26	-329	-12.27	16.98	-190	37.38	6.21
-986	113.25	14.38	-1393	107.00	15.23	-319	-11.95	16.79	-180	37.33	6.17
-976	113.47	14.60	-1383	107.18	15.26	-309	-11.05	16.84	-170	37.27	6.14
-966	113.86	14.76	-1373	107.71	15.22	-299	-10.39	16.67	-160	37.38	6.41
-956	114.06	14.73	-1363	107.82	15.14	-289	-9.93	16.69	-150	37.59	6.89
-946	114.07	14.89	-1353	107.79	15.09	-279	-8.94	16.16	-140	37.52	6.95
-936	114.02	14.95	-1343	108.00	15.08	-269	-9.11	15.12	-130	37.18	6.60
-926	114.35	14.85	-1333	107.93	14.98	-259	-11.10	13.62	-120	37.06	6.42
-916	114.65	14.96	-1323	107.97	14.98	-249	-12.28	12.42	-110	36.86	6.16
-906	114.63	14.90	-1313	108.14	14.90	-239	-12.64	11.72	-100	36.81	5.91
-896	114.77	15.11	-1303	107.99	14.76	-229	-12.18	11.69	-90	36.72	5.69
-886	114.53	15.08	-1293	108.26	14.75	-219	-11.60	11.79	-80	36.58	5.35
-876	114.10	15.16	-1283	108.10	14.77	-209	-11.18	11.87	-70	36.58	5.11
-866	113.68	15.18	-1273	107.78	14.70	-199	-10.85	11.93	-60	36.58	4.90
-856	112.80	15.47	-1263	107.90	14.65	-189	-10.38	11.85	-50	36.70	4.75
-846	112.90	15.48	-1253	107.80	14.57	-179	-10.08	11.90	-40	36.97	4.93
-836	113.00	15.54	-1243	107.61	14.51	-169	-9.47	11.99	-30	37.20	4.98
-826	113.13	15.72	-1233	107.60	14.48	-159	-7.35	12.16	-20	37.51	5.09
-816	113.21	15.90	-1223	107.65	14.61	-149	-4.02	11.70	-10	37.87	5.12
-806	113.12	15.82	-1213	107.39	14.66	-139	-0.78	10.41	0	38.03	5.15
-796	112.83	15.98	-1203	107.23	14.73	-129	0.16	9.69	10	38.29	5.16
-786	112.47	16.73	-1193	106.91	14.72	-119	0.24	9.50	20	38.45	5.18
-776	111.78	16.68	-1183	106.90	14.71	-109	0.53	9.10	30	38.71	5.20
-766	110.97	16.83	-1173	106.76	15.03	-99	0.79	8.75	40	39.03	5.22
-756	111.36	16.91	-1163	106.26	15.11	-89	1.01	8.58	50	39.25	5.13
-746	110.28	17.10	-1153	106.07	15.25	-79	1.23	8.32	60	39.40	5.06
-736	109.14	16.94	-1143	105.65	15.35	-69	1.39	8.11	70	39.63	5.02
-726	107.59	16.76	-1133	105.40	15.65	-59	1.55	7.85	80	39.69	5.03
-716	105.50	16.35	-1123	105.20	15.68	-49	1.92	7.38	90	39.83	5.06
-706	103.75	15.91	-1113	105.00	15.86	-39	2.00	7.21	100	40.21	4.93
-696	102.78	15.21	-1103	104.37	15.97	-29	2.11	6.76	110	40.37	4.84
-686	101.79	14.74	-1093	103.87	16.19	-19	2.45	6.29	120	40.65	4.80
-676	100.76	14.51	-1083	103.61	16.33	-9	2.60	6.17	130	40.88	4.78
-666	99.29	13.86	-1073	103.23	16.20	1	2.75	6.00	140	41.32	4.90
-656	97.74	12.91	-1063	103.07	16.41	11	2.79	5.98	150	41.81	4.94
-646	96.32	12.15	-1053	102.85	16.57	21	3.03	5.86	160	42.22	5.00
-636	95.26	11.37	-1043	102.51	16.72	31	3.17	5.76	170	42.78	5.23
-626	94.37	10.62	-1033	101.88	16.67	41	3.46	5.75	180	43.59	5.08
-616	93.75	10.03	-1023	101.15	16.91	51	3.60	5.77	190	44.17	5.10
-606	93.19	9.36	-1013	100.66	16.89	61	3.81	5.67	200	44.89	5.16

-596	92.59	8.78	-1003	100.46	16.96	71	3.99	5.69	210	45.56	4.99
-586	92.15	8.26	-993	100.19	16.98	81	4.03	5.66	220	46.12	4.90
-576	91.76	7.83	-983	99.89	16.99	91	3.96	5.60	230	46.49	4.88
-566	91.58	7.57	-973	99.29	17.14	101	4.18	5.72	240	46.77	4.83
-556	91.36	7.53	-963	98.77	17.05	111	4.36	5.72	250	47.06	4.75
-546	91.25	7.46	-953	98.37	17.07	121	4.33	5.61	260	47.21	4.75
-536	91.20	7.41	-943	97.95	17.07	131	4.52	5.61	270	47.32	4.74
-526	91.16	7.45	-933	97.77	17.07	141	4.44	5.49	280	47.67	4.90
-516	91.07	7.45	-923	97.52	16.94	151	4.58	5.46	290	47.85	5.11
-506	90.99	7.54	-913	97.03	16.96	161	4.68	5.47	300	47.98	5.42
-496	91.02	7.64	-903	96.78	16.92	171	4.77	5.42	310	48.05	5.87
-486	90.98	7.74	-893	96.43	16.77	181	4.95	5.27	320	48.32	6.36
-476	90.97	7.91	-883	95.80	16.64	191	5.12	5.12	330	48.62	6.72
-466	90.98	8.11	-873	95.39	16.48	201	5.28	4.85	340	49.23	7.32
-456	91.16	8.31	-863	95.18	16.42	211	5.32	4.77	350	50.19	7.84
-446	91.25	8.54	-853	94.83	16.26	221	5.33	4.77	360	51.66	8.03
-436	91.26	8.77	-843	94.56	16.19	231	5.42	4.74	370	52.65	8.14
-426	91.30	8.96	-833	94.18	16.17	241	5.51	4.88	380	53.60	8.05
-416	91.43	9.10	-823	93.87	16.14	251	5.46	5.09	390	54.63	7.65
-406	91.50	9.17	-813	93.63	16.01	261	5.38	5.37	400	55.55	7.06
-396	91.46	9.23	-803	93.49	15.99	271	5.14	5.97	410	56.34	6.41
-386	91.59	9.36	-793	93.34	16.08	281	4.97	6.51	420	56.86	5.85
-376	91.65	9.39	-783	93.23	16.00	291	4.44	7.79	430	57.19	5.58
-366	91.64	9.43	-773	93.43	16.08	301	3.63	9.00	440	57.53	5.19
-356	91.53	9.43	-763	93.06	16.04	311	2.49	10.49	450	57.49	5.26
-346	91.43	9.49	-753	92.82	15.81	321	0.92	12.07	460	57.52	5.14
-336	91.50	9.49	-743	92.68	15.73	331	-1.13	13.44	470	57.76	4.69
-326	91.49	9.50	-733	92.46	15.62	341	-3.46	14.42	480	57.87	4.45
-316	91.43	9.54	-723	92.39	15.41	351	-6.10	15.05	490	58.00	4.28
-306	91.45	9.57	-713	92.35	15.27	361	-8.61	15.21	500	58.04	4.19
-296	91.49	9.56	-703	92.06	15.24	371	-11.01	15.08	510	58.24	3.87
-286	91.38	9.58	-693	91.68	14.96	381	-13.20	14.39	520	58.26	3.82
-276	91.33	9.61	-683	91.65	14.74	391	-15.17	13.43	530	58.36	3.54
-266	91.23	9.66	-673	91.46	14.43	401	-16.80	12.34	540	58.39	3.59
-256	91.06	9.72	-663	91.48	14.34	411	-17.52	11.74	550	58.50	3.45
-246	91.03	9.76	-653	91.45	14.29	421	-17.98	11.38	560	58.74	2.96
-236	90.77	9.82	-643	91.47	14.20	431	-18.21	11.03	570	58.83	3.13
-226	90.62	9.87	-633	91.55	13.96	441	-18.93	10.45	580	58.94	3.17
-216	90.39	10.01	-623	91.52	13.53	451	-19.46	9.82	590	59.02	3.22
-206	90.12	10.12	-613	91.56	13.11	461	-19.76	9.30	600	59.09	3.56
-196	89.75	10.32	-603	91.63	12.71	471	-19.85	9.08	610	59.22	3.66
-186	89.33	10.42	-593	91.54	12.17	481	-19.72	9.13	620	59.37	3.66

-176	89.10	10.53	-583	91.46	11.74	491	-19.71	8.72	630	59.40	3.98
-166	88.83	10.73	-573	91.39	11.33	501	-19.30	9.04	640	59.54	3.82
-156	88.61	10.93	-563	91.43	11.07	511	-19.38	8.62	650	59.67	3.67
-146	88.36	11.12	-553	91.45	10.72	521	-19.29	8.34	660	59.73	3.69
-136	88.06	11.40	-543	91.34	10.41	531	-19.23	8.10	670	59.71	3.50
-126	87.68	11.70	-533	91.38	10.24	541	-18.44	8.32	680	59.86	3.54
-116	87.41	12.01	-523	91.45	10.37	551	-17.83	8.38	690	59.67	3.76
-106	87.07	12.31	-513	91.44	10.55	561	-17.20	8.37	700	59.77	3.32
-96	86.78	12.61	-503	91.51	10.65	571	-16.48	8.51	710	59.77	3.38
-86	86.59	12.99	-493	91.66	10.87	581	-16.01	8.22	720	59.78	3.43
-76	86.57	13.83	-483	91.87	11.21	591	-15.39	8.27	730	59.75	3.28
-66	86.68	14.60	-473	92.06	11.55	601	-14.77	7.63	740	59.55	3.47
-56	86.84	15.27	-463	92.20	11.89	611	-14.05	7.43	750	59.50	3.58
-46	87.77	16.52	-453	92.38	12.37	621	-13.21	6.93	760	59.39	3.66
-36	88.78	17.57	-443	92.70	12.83	631	-12.49	6.75	770	59.21	3.83
-26	90.03	18.70	-433	92.90	13.30	641	-12.16	6.45	780	58.82	4.16
-16	91.65	19.57	-423	93.20	13.61	651	-12.04	6.24	790	58.45	4.39
-6	92.88	20.36	-413	93.44	13.84	661	-11.78	6.04	800	57.96	4.72
4	94.21	20.85	-403	93.64	14.07	671	-11.69	5.58	810	57.37	4.99
14	96.53	21.12	-393	93.94	14.31	681	-11.61	5.36	820	56.91	5.11
24	98.16	20.98	-383	94.03	14.69	691	-11.67	5.26	830	56.58	5.37
34	99.59	21.03	-373	94.07	14.79	701	-11.56	5.24	840	56.26	5.40
44	102.37	20.90	-363	94.23	14.98	711	-11.54	5.25	850	55.86	5.40
54	103.58	20.80	-353	94.29	15.12	721	-11.64	5.29	860	55.47	5.65
64	104.92	20.40	-343	94.42	15.36	731	-11.79	4.91	870	55.18	5.78
74	105.74	19.68	-333	94.60	15.51	741	-11.66	4.85	880	54.94	5.82
84	107.27	19.10	-323	94.69	15.70	751	-11.46	4.92	890	54.83	6.03
94	108.82	18.05	-313	94.94	16.02	761	-11.46	4.79	900	54.60	6.17
104	110.71	16.84	-303	95.06	16.27	771	-11.68	4.89	910	54.53	6.26
114	111.82	16.49	-293	95.06	16.63	781	-11.79	5.00	920	54.47	6.40
124	112.62	15.95	-283	95.00	16.72	791	-12.05	5.52	930	54.43	6.63
134	113.56	14.98	-273	95.31	17.25	801	-12.31	5.59	940	54.47	6.89
144	114.36	14.17	-263	95.48	17.53	811	-12.49	6.45	950	54.59	7.22
154	114.84	13.24	-253	95.84	18.04	821	-12.48	6.46	960	54.59	7.38
164	115.57	12.91	-243	95.99	18.36	831	-12.66	6.57	970	54.54	7.60
174	116.61	12.00	-233	96.09	18.74	841	-12.99	7.18	980	54.47	7.73
184	117.16	11.47	-223	96.24	19.15	851	-13.14	7.52	990	54.55	7.93
194	117.50	11.10	-213	96.49	19.81	861	-13.22	8.08	1000	54.55	8.06
204	118.09	10.71	-203	96.49	20.12	871	-13.33	8.35	1010	54.62	8.25
214	118.57	10.15	-193	96.56	20.55	881	-13.38	8.62	1020	54.52	8.45
224	119.29	9.67	-183	97.16	21.18	891	-13.55	9.16	1030	54.33	8.47
234	119.82	9.61	-173	97.32	21.56	901	-13.53	9.26	1040	54.16	8.50

244	120.27	9.33	-163	97.51	22.11	911	-13.75	9.48	1050	53.85	8.47
254	120.93	8.70	-153	97.90	22.87	921	-14.15	10.48	1060	53.69	8.62
264	121.42	8.17	-143	98.08	23.34	931	-14.33	11.04	1070	53.61	8.68
274	122.03	7.55	-133	98.58	24.00	941	-14.31	11.29	1080	53.43	8.83
284	122.19	7.42	-123	98.86	24.40	951	-14.43	11.81	1090	53.06	8.72
294	122.82	7.06	-113	99.10	24.55	961	-14.29	11.97	1100	52.76	8.76
304	123.26	6.76	-103	99.58	24.99	971	-13.99	12.63	1110	52.47	8.73
314	123.56	6.66	-93	99.98	25.14	981	-13.99	13.08	1120	52.23	8.66
324	123.83	6.53	-83	100.14	25.32	991	-13.59	13.35	1130	52.00	8.69
334	124.07	6.20	-73	100.58	25.54	1001	-13.52	13.86	1140	51.71	8.68
344	124.12	6.03	-63	100.86	25.68	1011	-13.13	13.91	1150	51.44	8.69
354	124.17	6.03	-53	100.89	25.37	1021	-12.65	13.73	1160	51.15	8.49
364	124.20	5.95	-43	101.34	24.90	1031	-11.85	13.68	1170	50.86	8.27
374	124.23	6.02	-33	102.20	23.44	1041	-11.46	13.85	1180	50.67	8.02
384	124.36	5.93	-23	102.79	22.25	1051	-10.83	13.54	1190	50.63	7.85
394	124.21	5.91	-13	103.10	22.21	1061	-10.34	13.61	1200	50.55	7.60
404	124.16	5.86	-3	103.34	22.30	1071	-9.98	13.20	1210	50.49	7.26
414	123.96	6.30	7	103.63	22.27	1081	-9.23	13.03	1220	50.42	7.04
424	123.90	6.55	17	103.55	21.93	1091	-8.75	12.66	1230	50.40	6.58
434	123.86	6.51	27	103.62	21.89	1101	-8.14	12.08	1240	50.57	6.19
444	123.63	7.36	37	103.74	21.68	1111	-7.57	11.69	1250	50.68	5.71
454	123.25	8.53	47	103.79	21.60	1121	-7.04	11.34	1260	50.85	5.31
464	122.99	9.12	57	103.92	21.88	1131	-6.75	10.99	1270	50.98	4.99
474	122.34	10.32	67	103.72	22.90	1141	-6.16	10.33	1280	51.04	4.67
484	121.26	11.84	77	103.62	24.18	1151	-5.68	10.01	1290	51.04	4.43
494	119.95	13.54	87	103.47	24.17	1161	-5.21	9.36	1300	51.11	4.19
504	118.54	15.04	97	103.62	23.97	1171	-4.69	8.93	1310	51.17	3.99
514	116.54	16.75	107	103.78	24.00	1181	-4.41	8.45	1320	51.17	3.66
524	114.59	18.05	117	104.14	24.07	1191	-3.89	8.14	1330	51.19	3.55
534	112.45	19.22	127	104.29	23.98	1201	-3.30	7.84	1340	51.08	3.49
544	110.34	19.92	137	104.81	24.19	1211	-2.70	7.65	1350	51.03	3.50
554	108.30	20.51	147	105.78	24.72	1221	-2.23	7.29	1360	50.90	3.51
564	106.28	20.82	157	107.27	25.22	1231	-1.58	6.99	1370	50.75	3.63
574	103.94	20.91	167	109.24	25.96	1241	-1.07	6.68	1380	50.57	3.73
584	102.23	20.78	177	111.96	26.69	1251	-0.51	6.36	1390	50.29	3.89
594	100.36	20.64	187	123.72	28.38	1261	-0.10	6.01	1400	49.93	4.01
604	99.38	20.39	197	128.29	27.76	1271	0.34	5.76	1410	49.50	4.16
614	97.94	20.04	207	131.33	26.74	1281	0.64	5.75	1420	49.00	4.26
624	96.83	19.60	217	132.68	25.91	1291	0.85	5.56	1430	48.40	4.37
634	96.41	19.21	227	137.88	25.93	1301	1.01	5.48	1440	47.75	4.36
644	95.48	18.78	237	138.13	24.29	1311	1.13	5.38	1450	46.93	4.26
654	95.03	18.37	247	138.92	22.60	1321	1.24	5.31	1460	46.11	4.00

664	94.41	17.98	257	139.59	21.82	1331	1.20	5.32	1470	45.44	3.64
674	94.28	17.75	267	140.03	21.28	1341	1.20	5.31	1480	44.76	3.06
684	93.93	17.39	277	140.44	20.89	1351	1.11	5.29	1490	44.36	2.41
694	93.99	17.24	287	139.33	21.50	1361	1.16	5.36	1500	44.18	2.21
704	93.96	16.98	297	138.73	21.61	1371	0.99	5.34	1510	44.08	2.13
714	94.52	16.89	307	138.15	21.88	1381	0.83	5.17	1520	44.01	2.04
724	95.07	16.81	317	138.25	21.89	1391	0.57	5.13	1530	44.00	2.06
734	95.43	16.59	327	133.53	19.72	1401	0.21	5.10	1540	43.98	2.05
744	96.08	16.40	337	133.89	20.84	1411	-0.29	5.06	1550	44.06	2.05
754	96.65	16.21	347	131.54	22.65	1421	-0.82	5.02	1560	44.15	2.04
764	97.73	15.92	357	129.95	23.14	1431	-1.33	4.92	1570	44.14	2.06
774	98.37	15.64	367	129.92	23.27	1441	-1.86	4.74	1580	44.13	2.10
784	99.50	15.23	377	129.88	23.19	1451	-2.50	4.46	1590	44.11	2.15
794	100.65	14.79	387	129.86	22.77	1461	-3.07	4.22	1600	44.03	2.01
804	101.38	14.24	397	129.89	22.40	1471	-3.59	3.82	1610	44.11	1.97
814	102.05	13.76	407	129.95	21.78	1481	-3.97	3.43	1620	44.10	2.00
824	102.45	13.30	417	130.08	21.29	1491	-4.13	3.06	1630	44.13	1.99
834	102.66	13.10	427	129.68	20.38	1501	-4.17	2.91	1640	44.02	2.06
844	102.70	13.08	437	129.42	18.97	1511	-4.29	2.81	1650	44.05	2.02
854	102.05	13.40	447	129.55	17.77	1521	-4.29	2.76	1660	44.06	2.08
864	100.70	13.88	457	130.27	17.06	1531	-4.27	2.71	1670	44.19	2.05
874	99.29	14.08	467	131.45	16.86	1541	-4.26	2.66	1680	44.19	2.03
884	96.93	14.30	477	132.36	16.89	1551	-4.35	2.68	1690	44.22	2.02
894	95.06	14.00	487	132.87	16.99	1561	-4.27	2.71	1700	44.20	2.10
904	93.73	13.76	497	133.13	17.03	1571	-4.19	2.80	1710	44.16	2.11
914	92.75	13.30	507	133.20	17.02	1581	-4.14	2.79	1720	44.18	2.08
924	92.00	12.81	517	136.94	17.83	1591	-4.17	2.85	1730	44.17	2.08
934	91.46	12.13	527	136.93	18.55	1601	-4.21	2.86	1740	44.53	1.93
944	91.24	11.54	537	136.25	19.82	1611	-4.17	2.95	1750	44.46	1.99
954	91.27	11.01	547	135.32	21.38	1621	-4.21	2.94	1760	44.44	1.96
964	91.40	10.45	557	133.23	22.85	1631	-4.14	2.99	1770	44.33	1.88
974	91.60	10.09	567	130.22	24.17	1641	-4.32	3.12	1780	44.47	1.87
984	92.27	9.71	577	127.41	25.04	1651	-4.30	3.00	1790	44.22	1.89
994	92.41	9.40	587	125.24	25.59	1661	-4.23	2.87	1800	44.36	1.76
1004	92.55	9.21	597	123.56	26.15	1671	-4.29	2.82	1810	44.27	1.77
1014	92.45	9.22	607	122.20	26.61	1681	-4.38	2.85	1820	44.22	1.74
1024	92.12	9.39	617	110.69	22.55	1691	-4.35	2.72	1830	44.19	1.74
1034	91.85	9.45	627	107.99	21.69	1701	-4.12	2.72	1840	43.96	1.83
1044	91.29	9.56	637	106.74	22.16	1711	-4.19	2.57	1850	44.09	1.89
1054	91.05	9.62	647	105.30	22.56	1721	-4.14	2.50	1860	43.77	1.78
1064	90.72	9.59	657	103.77	22.81	1731	-4.36	2.41	1870	43.62	1.97
1074	90.44	9.54	667	102.64	22.95	1741	-4.18	2.15	1880	42.87	1.55

1084	90.18	9.45	677	101.66	22.80	1751	-4.15	2.10	1890	43.74	0.76
1094	90.07	9.31	687	101.45	22.74	1761	-4.32	2.11	1900	43.54	0.73
1104	89.94	9.20	697	101.21	22.28	1771	-4.42	2.29	1910	44.02	1.17
1114	89.78	9.00	707	101.23	21.99	1781	-4.32	2.35	1920	44.13	1.31
1124	89.65	8.69	717	101.57	21.63	1791	-4.48	2.28			
1134	89.48	8.43	727	102.17	21.11	1801	-4.55	2.25			
1144	89.45	8.17	737	102.48	20.43	1811	-4.71	2.29			
1154	89.28	7.83	747	103.34	19.93	1821	-4.42	2.36			
1164	89.21	7.60	757	103.94	19.48	1831	-4.31	2.27			
1174	89.22	7.35	767	104.86	18.84	1841	-4.03	2.32			
1184	89.28	7.19	777	105.86	18.39	1851	-4.26	2.39			
1194	89.46	7.18	787	106.49	17.53	1861	-4.19	2.25			
1204	89.64	7.19	797	107.17	16.81	1871	-3.47	1.59			
1214	90.00	7.35	807	107.84	16.05	1881	-3.79	1.85			
1224	90.49	7.59	817	108.32	15.21	1891	-4.04	1.95			
1234	91.13	7.92	827	108.69	14.71	1901	-4.89	1.38			
1244	91.71	8.00	837	108.92	14.36	1911	-4.53	1.21			
1254	92.37	8.18	847	108.53	14.25	1921	-4.71	1.30			
1264	92.93	8.29	857	108.31	14.15	1931	-4.71	1.30			
1274	93.54	8.37	867	107.61	14.41	1941	-4.07	1.63			
1284	93.89	8.44	877	106.65	14.44	1951	-4.07	1.63			
1294	94.18	8.43	887	105.42	14.73	1961	-4.38	1.77			
1304	94.48	8.48	897	104.57	14.95						
1314	94.71	8.52	907	103.85	14.99						
1324	94.87	8.54	917	103.27	14.86						
1334	94.99	8.50	927	102.89	14.73						
1344	95.06	8.54	937	102.56	14.59						
1354	95.07	8.58	947	102.48	14.37						
1364	95.19	8.62	957	102.35	14.02						
1374	95.15	8.60	967	102.35	13.68						
1384	95.09	8.64	977	102.28	13.45						
1394	95.03	8.68	987	102.26	13.26						
1404	94.85	8.58	997	102.11	12.95						
1414	94.67	8.57	1007	101.76	12.87						
1424	94.46	8.64	1017	101.27	12.91						
1434	93.91	8.80	1027	100.76	12.91						
1444	93.84	8.90	1037	100.13	12.94						
1454	93.45	8.76	1047	99.43	12.98						
1464	92.69	8.10	1057	98.88	12.99						
1474	91.33	8.05	1067	98.24	13.02						
1484	90.62	8.09	1077	97.86	13.05						
1494	89.12	7.99	1087	97.62	13.01						

1504	88.25	7.98	1097	97.34	13.13
1514	86.64	7.26	1107	97.19	13.11
1524	86.18	7.00	1117	96.96	13.11
1534	86.73	7.22	1127	96.85	13.18
1544	85.32	5.71	1137	96.89	13.23
1554	85.12	5.83	1147	96.90	13.30
1564	85.08	6.01	1157	96.85	13.38
1574	84.72	5.62	1167	97.09	13.44
1584	84.67	5.32	1177	97.32	13.53
1594	85.15	4.33	1187	97.60	13.64
1604	84.96	4.38	1197	98.04	13.59
1614	85.09	3.84	1207	98.41	13.62
1624	85.45	3.69	1217	99.00	13.62
1634	86.88	3.19	1227	99.32	13.55
1644	88.59	4.03	1237	99.55	13.53
1654	88.96	4.13	1247	99.82	13.45
1664	89.00	4.41	1257	100.20	13.47
1674	88.85	5.00	1267	100.31	13.39
1684	88.85	5.00	1277	100.31	13.36
1694	88.85	5.00	1287	100.23	13.35
1704	88.57	5.12	1297	100.17	13.39
1714	88.49	5.47	1307	100.09	13.42
1724	88.35	5.89	1317	100.01	13.41
1734	87.64	5.79	1327	100.01	13.38
1744	85.62	4.93	1337	100.03	13.34
1754	85.62	4.93	1347	100.18	13.33
1764	85.62	4.93	1357	100.15	13.23
1774	87.41	4.42	1367	100.40	13.21
1784	87.41	4.42	1377	100.64	13.11
1794	87.41	4.42	1387	100.91	13.05
			1397	101.23	13.00
			1407	101.70	12.94
			1417	101.96	12.98
			1427	102.20	12.95
			1437	102.20	12.95
			1447	101.04	12.83
			1457	99.89	12.64
			1467	99.27	12.65
			1477	99.05	12.81
			1487	98.92	12.90
			1497	98.75	12.92
			1507	98.71	12.98

1517	98.63	12.91
1527	98.66	12.96
1537	98.85	13.06
1547	100.12	13.62
1557	102.02	14.23
1567	103.26	14.43
1577	103.58	14.47
1587	103.95	14.48
1597	104.21	14.72
1607	104.13	14.48
1617	104.70	14.64
1627	104.94	14.57
1637	105.22	14.53
1647	105.32	14.48
1657	105.29	14.43
1667	105.03	14.28
1677	105.15	14.17
1687	105.00	13.97
1697	105.11	13.61
1707	105.14	13.65
1717	104.65	13.47
1727	104.69	13.39
1737	104.41	13.03
1747	104.31	12.74
1757	104.57	12.52
1767	105.09	12.21
1777	105.08	11.75
1787	105.29	11.59
1797	104.71	11.12
1807	104.91	10.83
1817	105.09	10.20
1827	104.86	9.52
1837	105.19	9.29
1847	105.21	8.93
1857	105.17	8.58
1867	104.96	8.34
1877	104.96	8.49
1887	104.70	7.94
1897	105.39	7.64
1907	105.01	7.13
1917	105.01	6.68
1927	105.29	7.00

1937	105.37	7.26
1947	105.70	7.28
1957	105.77	7.57
1967	105.79	7.45
1977	105.38	7.09
1987	105.70	6.76

σ is the one-sigma standard deviation of each item.