

spot-ID	Si29	P31	Ca44	Ti49	As75	Sr88	Y89	Nb93	La139	Ce140	Pr141	Nd143	Sm147
Pat1_1	230095.68	726.13	<301.34	28.43	<6.67	0.12	1344.58	1.13	0.02	12.00	0.23	3.34	6.58
Pat1_2	272051.57	693.72	<262.09	31.71	<8.49	0.18	2303.46	1.46	0.05	17.29	0.59	8.26	13.04
Pat1_3	207693.32	703.45	<221.61	20.72	<7.13	0.16	1311.04	1.34	0.02	12.25	0.14	3.33	4.93
Pat1_4	204292.11	536.99	<250.33	26.22	<6.65	<0.13	1639.17	0.99	0.03	13.21	0.31	4.95	9.49
Pat1_5	265807.02	526.20	<243.79	25.95	<8.91	0.12	2381.01	1.55	0.07	19.64	0.61	8.78	14.24
Pat1_6	242408.67	409.91	<263.44	26.84	<7.34	<0.11	1523.64	0.86	0.03	12.71	0.27	4.59	7.65
Pat1_7	246581.47	541.27	<311.59	30.79	<6.13	<0.12	1984.53	1.07	0.04	15.64	0.51	6.77	10.87
Pat1_8	213928.64	514.46	<278.06	24.99	<10.22	0.23	2071.14	1.17	0.03	15.62	0.52	7.68	11.15
Pat4_8	289106.62	789.95	<723.50	9.74	<19.22	<0.17	2048.04	6.24	0.03	23.52	0.12	1.19	4.91
Pat4_9	149016.67	355.14	<293.76	<3.27	<7.38	0.14	1633.24	3.35	0.02	11.54	0.06	1.36	4.07
Pat4_10	192236.17	606.08	<332.85	7.49	<9.04	0.14	2460.95	5.56	0.02	12.90	0.33	5.61	11.18
Pat4_12	197928.00	392.64	<328.37	6.21	<7.75	0.23	1651.86	1.71	0.01	10.52	0.16	2.81	6.70
Pat4_14	235457.73	768.97	<327.35	<5.15	<9.14	<0.15	2841.83	10.05	0.10	19.36	0.21	3.55	7.68
Pat4_16	186714.61	438.46	<417.42	21.03	<7.65	0.17	2011.43	1.49	0.01	7.54	0.20	4.56	8.35
Pat4_17	228858.88	262.95	<396.07	11.85	<9.04	<0.16	570.81	0.47	0.02	2.52	0.03	0.45	1.34
Pat4_18	232204.16	588.65	<345.75	16.30	<8.82	<0.14	1829.89	3.60	0.02	11.45	0.12	2.06	4.89
WWAG5_1	224304.56	484.29	<301.01	<3.71	<7.10	0.10	1236.95	6.55	0.02	7.61	0.16	2.44	4.35
WWAG5_2	239188.03	405.61	<305.57	7.09	<7.97	0.11	1956.51	1.92	0.02	15.57	0.24	4.49	11.54
WWAG5_3	209432.04	596.88	<305.39	11.78	<7.58	0.12	1582.03	3.67	0.03	13.71	0.21	3.95	7.70
WWAG5_9	234721.60	934.89	<272.34	3.55	<5.73	0.32	2908.53	6.10	0.02	18.79	0.32	6.13	12.31
WWAG5_10	296960.29	1069.16	<547.02	9.54	<11.53	0.82	2649.49	5.77	0.04	25.28	0.39	7.16	12.28
WWAG5_11	211130.50	519.94	<223.38	14.50	<5.41	0.15	2975.70	2.41	0.07	25.00	0.96	17.37	24.21
WWAG5_13	226071.30	348.81	<271.29	5.87	<5.67	0.13	1525.48	3.71	0.01	12.75	0.15	2.27	5.70
WWAG5_14	264913.13	796.79	<290.47	8.48	<8.53	0.32	2182.06	10.70	0.02	24.50	0.17	2.96	7.39
WWAG6_1	220376.72	323.88	<421.14	5.27	<7.37	0.18	2396.90	3.65	0.04	10.18	0.20	4.63	12.02
WWAG6_2	208246.58	439.18	<314.45	6.13	<7.36	0.32	5326.64	6.99	0.03	21.92	0.62	10.73	25.67
WWAG6_3	198183.70	479.04	<260.45	7.79	<7.04	0.12	2616.68	9.85	0.10	26.04	0.18	3.14	7.22
WWAG6_4	144768.59	263.28	<282.86	<2.75	<6.53	0.13	2198.63	2.92	0.01	11.67	0.11	2.64	9.16
WWAG6_7	203452.63	249.17	<240.41	<4.16	<6.98	0.11	1014.76	4.08	0.27	7.25	0.12	1.03	2.57
WWAG6_8	190459.79	562.04	<391.93	9.02	<8.84	0.18	3463.77	7.13	0.18	18.74	0.29	5.69	13.04
WWAG6_10	182872.64	358.83	<205.11	5.65	<5.46	0.52	3643.33	5.19	0.15	15.02	0.40	7.48	16.72
mts14f2_2	207287.75	551.93	<250.33	9.49	<7.43	0.19	1049.09	2.21	0.02	9.45	0.03	0.54	2.03
mts14f2_3	270465.07	495.73	<589.96	<7.79	<21.43	<0.21	1912.84	1.61	0.07	12.68	0.20	3.11	7.25
mts14f2_4	193600.50	432.65	<221.11	11.82	<5.47	0.12	1116.08	2.36	0.01	11.47	0.04	0.72	2.07
mts14f2_5	264747.32	782.98	<438.41	6.55	<8.95	<0.14	1033.82	1.54	0.03	7.93	0.04	0.69	2.23
mts14f2_7	226326.54	234.04	<381.54	14.35	<9.09	<0.15	1172.05	0.88	0.02	9.12	0.10	2.22	3.21
mts14f2_10	198900.00	383.26	<248.57	12.50	<6.67	<0.11	1218.00	1.44	0.01	10.48	0.05	1.35	3.36
mts14f2_13	275513.23	671.30	<418.02	14.68	<9.78	<0.19	1387.67	3.15	0.04	16.30	0.07	0.70	2.89
mts134_1	166837.87	441.57	<250.30	6.16	<6.63	0.23	1432.63	8.76	0.05	55.72	0.07	1.51	3.86
mts134_2	184053.37	303.87	<235.40	4.78	<5.57	0.11	615.22	1.66	0.01	7.49	0.02	0.27	0.96
mts134_3	201740.45	543.75	<260.46	11.70	<4.35	0.10	1437.78	3.09	0.05	17.16	0.06	1.41	3.37
mts134_13	197261.34	607.98	<237.27	5.95	<5.64	0.19	1272.24	2.18	0.02	11.88	0.08	1.08	2.78
mts134_14	215102.29	838.38	<362.61	8.42	<8.36	0.29	2421.18	9.26	0.05	43.49	0.11	1.91	4.31
mts134_16	241864.57	656.75	<254.58	7.77	<7.19	0.15	1966.52	4.27	0.01	20.93	0.11	2.15	4.91
mts134_17	220578.01	499.86	<289.81	5.59	<7.18	<0.07	1335.46	5.60	0.02	12.19	0.05	1.02	3.39
mts134_19	236030.73	468.67	<443.22	<8.29	<11.2	0.13	764.27	3.01	0.03	10.70	0.04	0.29	1.27
mts134_21	146216.89	465.82	<230.32	5.03	<4.54	0.20	1162.47	2.22	0.01	11.26	0.07	1.20	2.59
mtn36_2	275000.48	1010.90	<403.76	19.85	<8.94	0.16	2569.42	9.10	0.02	67.58	0.17	3.29	7.21
mtn36_3	238409.30	437.31	<402.34	4.61	<11.9	<0.17	1370.74	7.26	0.03	48.40	0.04	0.92	2.57
mtn36_9	216415.95	567.37	<324.52	9.24	<9.99	<0.09	1470.40	5.16	0.02	42.94	0.10	2.14	4.04
mtn36_10r	261029.49	440.98	<442.82	6.89	<9.88	<0.15	927.05	4.11	0.04	29.26	0.04	1.11	1.90
mtn36_13	231378.15	894.38	<568.70	17.77	<13.82	0.18	2454.44	6.87	0.05	61.02	0.20	2.81	8.35
mtn36_15	179060.04	530.04	<244.50	10.25	<8.44	<0.13	1364.28	1.97	0.02	29.15	0.16	3.09	5.53
mtc92_1	292625.03	1036.03	<431.93	<8.17	<15.03	<0.19	2535.01	20.74	0.03	101.84	0.11	2.23	5.83
mtc92_3	204771.86	987.05	<314.21	17.72	<7.70	0.15	3080.01	12.91	0.03	110.45	0.23	4.21	9.52
mtc92_4	180650.97	269.17	<267.84	<3.58	<6.18	<0.09	817.02	8.12	0.01	35.01	0.03	0.64	1.26
mtc92_10c	211777.40	590.71	<307.36	8.23	<8.84	0.18	2228.97	3.35	0.02	33.68	0.33	7.14	12.29
mtc92_12	168764.82	454.48	<211.74	11.33	<5.83	<0.08	1566.28	7.72	0.01	59.88	0.22	2.94	6.58
mtc92_13	241786.69	962.56	<333.38	22.65	<8.13	<0.16	3251.22	8.34	0.02	82.33	0.33	6.16	11.26
mtc92_14	236185.03	853.62	<354.85	14.44	<8.80	0.26	2725.22	9.91	0.02	85.31	0.22	4.18	8.02
mtc92_16	208426.34	607.52	<281.96	8.98	<8.51	<0.13	1139.72	4.26	0.02	45.44	0.05	1.23	3.56
mtc92_17	333428.02	1659.42	<486.82	38.63	<13.2	0.42	4425.77	8.40	0.08	120.71	0.49	9.02	18.19
mtc92_20	182812.91	382.87	<239.38	4.36	<6.48	0.13	1028.89	8.24	0.01	38.00	0.01	0.42	1.19
mtc92_22	201847.70	821.83	<367.70	18.48	<10.93	0.21	2330.34	2.23	0.07	43.58	0.47	9.67	14.22

c=core, r=rims

Eu151	Gd160	Tb159	Dy163	Ho165	Er167	Tm169	Yb171	Lu175	Hf179	W182	Pb206	Pb207	Th232	U238
1.00	40.42	9.80	121.80	44.67	206.89	42.43	374.83	71.63	11015	<0.13	31.76	2.33	75.28	109.29
1.77	73.21	18.01	215.05	78.16	340.87	68.18	579.08	110.34	11287	<0.10	53.04	4.42	170.98	193.29
0.81	36.64	9.02	118.13	44.03	202.53	41.25	367.63	71.97	10180	<0.11	30.16	2.76	78.26	110.15
1.30	54.33	13.54	161.37	54.80	239.27	46.50	393.09	72.94	9870	<0.11	32.03	2.38	103.31	116.89
1.51	72.12	17.85	212.79	80.18	365.74	72.78	640.13	125.59	11181	<0.15	76.41	5.16	227.80	287.53
1.13	50.30	12.08	147.38	51.44	224.88	44.45	385.81	72.19	10320	0.08	34.57	2.99	96.42	118.57
1.50	60.89	14.77	181.47	65.73	299.62	59.42	516.86	99.53	10256	0.10	49.33	3.90	143.41	182.53
1.69	63.84	15.49	190.50	69.37	306.41	61.19	524.90	100.27	9714	<0.09	45.14	3.25	142.75	162.34
1.29	47.41	13.18	183.63	66.73	333.01	68.62	621.84	128.84	11435	<0.21	225.28	15.19	577.56	710.96
0.41	40.13	10.57	147.64	57.26	273.06	57.59	516.13	102.88	8705	<0.15	159.76	17.00	232.22	536.82
2.25	76.75	19.16	235.32	86.66	407.67	85.97	787.14	158.97	9896	<0.18	92.47	11.46	209.64	347.30
1.20	46.05	12.06	154.14	57.28	261.13	54.88	498.10	98.19	9391	<0.18	87.31	5.87	138.40	270.00
1.23	66.49	17.81	247.86	95.31	456.31	96.29	866.81	172.15	12016	0.18	182.45	14.14	295.95	669.27
1.94	61.03	15.39	194.73	70.51	316.79	64.63	574.79	113.00	8539	<0.06	50.52	4.19	120.36	181.80
0.47	10.86	2.89	39.76	17.66	99.12	23.71	254.69	60.23	8624	<0.12	29.61	2.52	32.68	106.23
1.43	44.50	11.13	158.96	62.49	301.24	64.69	593.16	122.82	10379	<0.08	73.88	6.89	152.66	257.36
0.72	36.02	9.29	119.80	43.73	203.84	40.99	363.32	73.74	11706	<0.11	89.02	5.44	104.92	264.19
1.61	71.80	17.22	205.86	70.64	301.86	58.85	507.57	95.04	11032	<0.07	70.98	6.13	162.03	228.71
1.36	48.34	11.56	150.96	53.15	244.71	49.31	420.24	85.40	9658	0.16	58.26	3.60	124.89	187.29
1.60	90.95	23.50	288.78	104.93	461.16	90.53	767.39	149.70	12177	<0.10	156.14	9.21	293.04	501.84
1.55	83.84	20.71	262.27	93.02	418.46	82.90	714.09	142.96	13190	36.81	156.25	9.15	333.33	443.17
4.46	128.07	29.74	334.02	109.72	460.32	88.06	738.95	142.65	10540	<0.06	71.80	6.60	270.72	268.83
0.77	45.75	11.81	149.40	54.68	239.57	47.26	407.98	79.11	11304	<0.07	78.32	4.96	125.63	237.28
0.91	63.39	16.42	210.68	76.62	344.61	67.82	589.07	113.31	12584	<0.17	211.12	12.40	398.94	618.48
2.70	81.47	20.26	254.25	90.02	397.12	76.23	666.04	130.15	11019	0.51	86.13	16.76	130.60	283.17
5.43	185.41	47.17	570.77	197.56	837.45	159.69	1342.36	255.11	8141	0.11	164.62	9.99	352.11	589.20
1.51	79.17	20.15	265.18	98.33	435.62	86.88	741.19	141.78	10116	0.21	183.61	19.97	417.76	683.60
1.45	66.41	17.33	228.94	80.66	360.34	71.51	610.27	113.16	8811	<0.13	77.12	13.47	134.12	287.16
0.37	24.89	6.67	92.75	35.16	160.51	33.22	296.56	58.58	9141	10.26	61.29	4.83	77.64	214.06
2.26	110.56	27.59	349.09	123.19	539.12	106.21	890.08	164.37	8175	0.50	168.58	10.38	311.71	550.48
3.57	123.58	30.79	385.26	134.12	581.57	113.02	952.27	178.32	9006	2.25	110.52	10.61	222.34	412.45
0.47	19.98	5.50	82.09	34.14	172.71	39.17	382.88	82.40	10121	<0.10	38.34	3.98	56.15	128.38
1.29	49.46	13.44	169.33	64.04	306.43	64.06	574.54	116.64	9586	<0.24	91.71	4.34	159.75	250.36
0.44	23.49	6.24	90.31	36.54	186.48	42.25	400.56	85.30	10002	<0.05	38.63	5.67	66.15	134.11
0.36	21.21	5.92	83.47	33.38	171.16	38.03	379.85	78.34	10901	<0.09	51.99	3.98	63.56	167.67
1.23	26.03	6.84	92.69	35.72	182.14	41.93	426.36	93.45	11439	<0.14	90.77	9.34	167.52	278.74
0.78	27.88	7.65	101.95	40.06	195.90	42.37	393.84	80.45	10621	<0.18	35.69	3.82	75.70	128.55
0.59	28.75	7.94	110.90	44.15	229.73	50.39	469.59	99.13	10854	<0.14	66.70	4.39	119.17	218.49
0.69	32.16	8.68	123.78	49.28	245.40	53.67	518.21	106.44	12317	<0.08	107.90	16.42	269.60	442.14
0.14	11.27	2.95	44.56	19.23	102.71	25.16	258.81	57.99	10926	<0.05	34.77	3.67	46.87	127.45
0.47	31.53	8.51	118.40	47.70	237.88	52.40	498.76	103.90	11252	0.33	74.76	5.85	174.17	284.89
0.57	27.71	7.21	107.16	42.40	212.13	46.88	444.31	92.84	10846	<0.10	48.92	3.42	102.53	182.60
0.79	54.85	14.45	199.05	78.69	385.54	87.24	813.10	171.78	10066	<0.06	316.74	18.41	1364.17	1219.23
0.73	44.66	12.15	165.97	65.94	323.96	71.64	675.49	139.47	11516	<0.08	98.02	6.61	236.30	355.45
0.52	31.82	8.98	121.39	47.59	221.16	47.20	437.05	84.72	11337	<0.10	109.61	6.36	162.65	381.78
0.22	14.23	3.74	55.32	25.33	136.51	32.67	336.73	74.74	11350	0.31	77.79	4.49	84.29	221.43
0.44	27.32	6.88	96.55	40.32	202.73	49.17	476.68	102.23	10646	0.22	60.50	4.86	125.39	228.82
2.74	61.02	16.00	215.80	85.45	420.34	92.40	877.60	179.54	11558	<0.04	103.57	9.51	300.91	398.66
0.50	28.75	7.52	110.31	43.93	224.09	51.35	496.13	100.98	12495	<0.11	91.94	5.28	195.80	331.72
1.60	35.62	9.23	124.94	48.59	244.13	55.33	529.37	111.45	10913	<0.11	76.22	10.25	193.03	268.83
0.48	18.46	4.70	68.96	28.87	151.04	37.01	378.23	84.43	11711	<0.10	77.29	5.59	172.83	286.99
2.35	62.79	15.63	214.66	84.87	407.46	89.09	840.74	174.26	12766	<0.41	125.47	14.53	318.30	441.32
1.31	36.10	8.80	116.35	43.92	213.85	47.65	451.99	93.98	9523	<0.16	55.45	4.42	156.45	206.83
1.71	50.86	14.37	197.08	78.50	406.23	91.23	875.34	181.17	12482	<0.21	180.17	10.48	348.94	581.59
3.23	76.66	20.11	261.44	100.47	483.17	102.87	959.00	190.74	9001	<0.10	119.94	8.34	476.57	437.86
0.34	14.06	3.80	56.84	24.49	130.40	31.40	315.08	67.85	10218	<0.09	85.95	5.90	149.33	303.75
3.37	71.87	18.06	215.62	77.39	347.23	71.56	638.51	126.99	10015	<0.11	130.79	10.44	213.34	318.62
2.01	48.95	11.91	150.53	55.15	254.29	51.65	471.59	94.81	9124	<0.08	75.97	12.98	217.57	285.74
3.97	80.39	21.00	281.38	103.51	503.54	109.20	1021.86	212.62	9421	<0.09	98.71	6.34	362.51	358.97
3.01	65.34	17.01	227.63	89.61	434.44	95.96	909.12	185.48	9684	<0.10	104.50	7.07	333.43	378.42
1.06	26.11	6.93	93.30	37.12	182.97	40.46	389.97	82.87	10116	<0.07	55.17	4.94	124.19	197.27
7.94	134.95	33.68	413.29	150.45	675.12	140.04	1268.07	254.06	11617	0.30	93.08	6.53	500.14	383.35
0.41	17.61	4.77	70.45	30.58	165.52	40.32	405.55	88.83	11507	<0.12	85.98	5.34	149.16	313.58
4.59	76.70	18.78	222.47	77.42	348.89	72.69	671.13	136.48	8994	<0.19	50.59	3.34	199.97	178.99

log Ti [ppm]	T [K] after Watson	T [°C]	T error	log (fO ₂)	log (fO ₂) real	log (fO ₂) of FMQ at T	ΔFMQ	10 ⁴ /T(K)	(Ce/Ce*) _{Cl}	(Eu/Eu*) _{Cl}	(Yb/Gd) _{Cl}	Th/U	Th/Hf	U/Hf	Nb/Hf (10 ³)
1.45	1114.97	841.82	13.93	-21.49	-9.33	-13.63	4.30	8.97	45.67	0.19	11.5	0.69	0.007	0.010	0.103
1.50	1126.69	853.54	14.15	-26.01	-11.29	-13.40	2.11	8.88	23.81	0.17	9.8	0.88	0.015	0.017	0.129
1.32	1082.33	809.18	13.31	-22.80	-9.90	-14.29	4.39	9.24	57.10	0.18	12.4	0.71	0.008	0.011	0.131
1.42	1106.42	833.27	13.76	-24.65	-10.71	-13.80	3.09	9.04	34.89	0.17	8.9	0.88	0.010	0.012	0.100
1.41	1105.33	832.18	13.74	-28.53	-12.39	-13.82	1.43	9.05	22.55	0.14	11.0	0.79	0.020	0.026	0.139
1.43	1108.86	835.71	13.81	-24.18	-10.50	-13.75	3.25	9.02	35.83	0.18	9.5	0.81	0.009	0.011	0.083
1.49	1123.49	850.34	14.09	-25.30	-10.99	-13.47	2.48	8.90	26.75	0.18	10.5	0.79	0.014	0.018	0.104
1.40	1101.43	828.28	13.67	-26.89	-11.68	-13.90	2.22	9.08	28.52	0.19	10.2	0.88	0.015	0.017	0.121
0.99	1011.68	738.53	12.02	-25.97	-11.28	-15.87	4.59	9.88	96.83	0.26	16.2	0.81	0.051	0.062	0.546
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0.87	989.15	716.00	11.62	-37.62	-16.34	-16.42	0.08	10.11	34.42	0.23	12.7	0.60	0.021	0.035	0.562
0.79	973.75	700.60	11.35	-35.46	-15.40	-16.81	1.41	10.27	55.13	0.21	13.4	0.51	0.015	0.029	0.182
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1.32	1083.83	810.68	13.34	-26.99	-11.72	-14.26	2.54	9.23	34.56	0.26	11.6	0.66	0.014	0.021	0.175
1.07	1029.13	755.98	12.33	-35.00	-15.20	-15.46	0.26	9.72	27.02	0.38	29.0	0.31	0.004	0.012	0.054
1.21	1058.81	785.66	12.87	-25.44	-11.05	-14.79	3.75	9.44	55.97	0.30	16.5	0.59	0.015	0.025	0.347
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0.85	984.61	711.46	11.54	-33.11	-14.38	-16.53	2.15	10.16	61.80	0.17	8.7	0.71	0.015	0.021	0.174
1.07	1028.59	755.44	12.32	-30.73	-13.34	-15.47	2.13	9.72	44.60	0.21	10.7	0.67	0.013	0.019	0.380
0.55	930.51	657.36	10.61	-41.22	-17.90	-17.98	0.08	10.75	54.88	0.15	10.4	0.58	0.024	0.041	0.501
0.98	1009.84	736.69	11.99	-32.33	-14.04	-15.91	1.87	9.90	47.59	0.15	10.5	0.75	0.025	0.034	0.437
1.16	1047.70	774.55	12.67	-34.49	-14.98	-15.04	0.06	9.54	22.57	0.24	7.1	1.01	0.026	0.026	0.229
0.77	969.25	696.10	11.27	-34.25	-14.88	-16.93	2.05	10.32	67.70	0.14	11.0	0.53	0.011	0.021	0.328
0.93	999.70	726.55	11.81	-27.83	-12.09	-16.16	4.07	10.00	92.03	0.13	11.5	0.65	0.032	0.049	0.850
0.72	960.61	687.46	11.12	-43.16	-18.74	-17.15	-1.59	10.41	27.50	0.26	10.1	0.46	0.012	0.026	0.331
0.79	972.76	699.61	11.33	-37.91	-16.47	-16.84	0.37	10.28	42.11	0.24	8.9	0.60	0.043	0.072	0.858
0.89	992.49	719.34	11.68	-34.45	-14.96	-16.34	1.38	10.08	47.34	0.19	11.6	0.61	0.041	0.068	0.974
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0.62	942.30	669.15	10.81	-23.61	-23.61	-17.65	-5.96	10.61	9.97	0.14	14.7	0.36	0.008	0.023	0.446
0.96	1005.00	731.85	11.90	-40.50	-17.59	-16.03	-1.56	9.95	19.78	0.18	10.0	0.57	0.038	0.067	0.872
0.75	966.22	693.07	11.22	-47.69	-20.71	-17.01	-3.70	10.35	14.98	0.24	9.5	0.54	0.025	0.046	0.576
0.98	1009.44	736.29	11.98	-25.67	-11.15	-15.92	4.78	9.91	103.39	0.23	23.7	0.44	0.006	0.013	0.218
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1.07	1028.87	755.72	12.33	-21.84	-9.49	-15.47	5.98	9.72	124.12	0.19	21.1	0.49	0.007	0.013	0.236
0.82	978.09	704.94	11.43	-35.05	-15.22	-16.70	1.48	10.22	54.28	0.16	22.1	0.38	0.006	0.015	0.141
1.16	1046.77	773.62	12.65	-26.82	-11.65	-15.06	3.41	9.55	55.44	0.41	20.2	0.60	0.015	0.024	0.077
1.10	1033.99	760.84	12.42	-21.46	-9.32	-15.35	6.03	9.67	121.31	0.25	17.5	0.59	0.007	0.012	0.135
1.17	1048.87	775.72	12.69	-23.37	-10.15	-15.01	4.87	9.53	80.49	0.20	20.2	0.55	0.011	0.020	0.290
0.79	973.04	699.89	11.34	-23.14	-10.05	-16.83	6.78	10.28	231.26	0.19	19.9	0.61	0.022	0.036	0.711
0.68	953.00	679.85	10.99	-31.50	-13.68	-17.36	3.68	10.49	118.77	0.13	28.4	0.37	0.004	0.012	0.152
1.07	1027.95	754.80	12.31	-26.77	-11.63	-15.49	3.86	9.73	71.07	0.14	19.6	0.61	0.015	0.025	0.275
0.77	970.32	697.17	11.29	-33.59	-14.59	-16.90	2.31	10.31	71.97	0.20	19.8	0.56	0.009	0.017	0.201
0.93	999.07	725.92	11.79	-23.74	-10.31	-16.17	5.87	10.01	149.01	0.16	18.3	1.12	0.136	0.121	0.920
0.89	992.26	719.11	11.67	-25.23	-10.96	-16.34	5.38	10.08	137.88	0.15	18.7	0.66	0.021	0.031	0.371
0.75	965.35	692.20	11.20	-31.37	-13.62	-17.03	3.40	10.36	100.08	0.15	17.0	0.43	0.014	0.034	0.494
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0.70	956.98	683.83	11.06	-33.35	-14.48	-17.25	2.77	10.45	90.26	0.16	21.6	0.55	0.012	0.021	0.209
1.30	1078.05	804.90	13.23	-9.87	-4.29	-14.38	10.10	9.28	267.85	0.40	17.8	0.75	0.026	0.034	0.787
0.66	950.20	677.05	10.94	-22.86	-9.93	-17.43	7.50	10.52	336.56	0.18	21.3	0.59	0.016	0.027	0.581
0.97	1007.04	733.89	11.94	-18.11	-7.86	-15.98	8.12	9.93	255.97	0.41	18.4	0.72	0.018	0.025	0.473
0.84	982.19	709.04	11.50	-24.33	-10.57	-16.60	6.03	10.18	176.54	0.24	25.3	0.60	0.015	0.025	0.351
1.25	1067.15	794.00	13.03	-15.97	-6.94	-14.61	7.68	9.37	150.89	0.31	16.6	0.72	0.025	0.035	0.538
1.01	1016.15	743.00	12.10	-23.41	-10.17	-15.76	5.60	9.84	122.60	0.28	15.5	0.76	0.016	0.022	0.207
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1.25	1066.89	793.74	13.02	-9.40	-4.08	-14.62	10.54	9.37	323.68	0.36	15.5	1.09	0.053	0.049	1.434
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0.92	997.15	724.00	11.76	-28.35	-12.31	-16.22	3.91	10.03	89.82	0.35	11.0	0.67	0.021	0.032	0.335
1.05	1025.08	751.93	12.26	-14.69	-6.38	-15.55	9.18	9.76	298.35	0.34	11.9	0.76	0.024	0.031	0.846
1.36	1091.30	818.15	13.48	-9.80	-4.26	-14.11	9.85	9.16	230.95	0.40	15.7	1.01	0.038	0.038	0.885
1.16	1047.36	774.21	12.66	-11.49	-4.99	-15.05	10.06	9.55	323.73	0.40	17.2	0.88	0.034	0.039	1.023
0.95	1004.62	731.47	11.89	-14.86	-6.45	-16.04	9.59	9.95	385.14	0.33	18.5	0.63	0.012	0.020	0.421
1.59	1148.52	875.37	14.57	-8.40	-3.65	-12.99	9.34	8.71	144.23	0.49	11.6	1.30	0.043	0.033	0.723
0.64	945.88	672.73	10.87	-15.82	-6.87	-17.55	10.68	10.57	811.66	0.28	28.5	0.48	0.013	0.027	0.716
1.27	1070.99	797.84	13.10	-23.54	-10.22	-14.53	4.31	9.34	60.07	0.42	10.8	1.12	0.022	0.020	0.247