

SK1 core

lithologic cycles

input data			output data			
depth (m)	lithology	age (ka)	depth (m)	CDMR	age (ka)	CDMR
624.655	5	70380.76	627.5	5.69E-16	70408.52	5.69E-16
625.08	1	70384.66	628.855	-0.02497	70421.8	-0.02497
625.43	1	70387.96	632.505	-0.05138	70471.13	-0.05138
625.73	1	70390.86	632.985	-0.04969	70477.31	-0.04969
625.95	2	70393.12	633.545	-0.05168	70485.32	-0.05168
626.62	1	70399.98	634.45	-0.04594	70497.75	-0.04594
627.5	2	70408.52	636.205	-0.04305	70522.24	-0.04305
628.155	1	70414.76	639.28	-0.03905	70564.22	-0.03905
628.855	3	70421.8	641.305	-0.03662	70592.4	-0.03662
629.655	4	70431.53	660.605	-0.0328	70932.05	-0.0328
630.29	5	70440.19	663.245	-0.01395	70977.49	-0.01395
631.415	5	70455.69	665.045	0.003634	71008.79	0.003634
632.39	2	70469.29	666.09	0.021803	71025.63	0.021803
632.505	3	70471.13	668.48	0.035419	71058.62	0.035419
632.685	2	70473.51	669.365	0.038638	71070.08	0.038638
632.985	3	70477.31	669.995	0.037091	71078.49	0.037091
633.32	2	70482.17	672.5	0.037935	71111.08	0.037935
633.545	3	70485.32	673.605	0.036727	71125.26	0.036727
633.91	2	70490.16	675.62	0.034479	71151.5	0.034479
634.45	3	70497.75	682.25	0.033367	71237.74	0.033367
635.245	3	70508.76	682.715	0.032168	71243.42	0.032168
635.97	3	70518.86	683.31	0.02598	71250.4	0.02598
636.205	4	70522.24	684.145	0.016416	71259.96	0.016416
636.835	3	70530.82	684.82	0.004752	71267.76	0.004752
637.65	3	70541.95	685.98	-0.00611	71281.38	-0.00611
638.275	2	70550.46	687.06	-0.0156	71293.7	-0.0156
638.88	2	70558.64	688.615	-0.02758	71311.96	-0.02758
639.28	3	70564.22	692.195	-0.03707	71353.6	-0.03707
639.96	2	70573.6	694.905	-0.04736	71384.78	-0.04736
640.725	2	70584.16	696.56	-0.0586	71404.51	-0.0586
641.305	3	70592.4	697.195	-0.06684	71411.61	-0.06684
642.64	3	70610.76	701.58	-0.08063	71464.29	-0.08063
643.765	2	70626.3	703.165	-0.08818	71483.85	-0.08818
644.13	2	70632.67	703.895	-0.09354	71492.79	-0.09354
645.25	2	70653.59	705.79	-0.09951	71516.37	-0.09951
647.25	1	70691.06	709.515	-0.10421	71562.34	-0.10421
650.84	1	70758	716.255	-0.10957	71645.09	-0.10957
653.45	1	70806.68	720.255	-0.11534	71693.69	-0.11534
653.755	1	70812.22	748.795	-0.12198	72045.99	-0.12198
656.075	1	70852.92	750.62	-0.12731	72071.04	-0.12731
659.155	1	70906.85	754.475	-0.12449	72124.59	-0.12449

660.605	2	70932.05	756.775	-0.1208	72156.28	-0.1208
661.295	3	70943.79	758.37	-0.11772	72178.84	-0.11772
661.675	4	70950.37	758.835	-0.11274	72184.99	-0.11274
662.16	4	70959.13	760.19	-0.11265	72203.98	-0.11265
662.7	4	70968.27	761.63	-0.10833	72223.76	-0.10833
663.245	5	70977.49	762.515	-0.10546	72236.37	-0.10546
663.76	5	70986.73	765.62	-0.09994	72284.05	-0.09994
664.155	5	70993.55	766.6	-0.08939	72299.23	-0.08939
664.59	5	71001.01	768.58	-0.07827	72329.41	-0.07827
665.045	6	71008.79	770.41	-0.0682	72357.7	-0.0682
665.305	5	71013.07	772.005	-0.05723	72382.22	-0.05723
666.09	6	71025.63	773.575	-0.0466	72406.34	-0.0466
667.1	1	71040.67	774.91	-0.03601	72426.7	-0.03601
667.85	1	71050.53	776.06	-0.0259	72443.6	-0.0259
668.48	2	71058.62	778.03	-0.01827	72471.87	-0.01827
668.81	4	71062.76	778.415	-0.01229	72477.71	-0.01229
669.135	3	71067.12	780.32	-0.00254	72504.76	-0.00254
669.365	5	71070.08	781.19	0.002728	72517.31	0.002728
669.6	4	71073.17	782.635	0.009053	72538.27	0.009053
669.995	5	71078.49	785.475	0.01579	72578.87	0.01579
670.36	5	71083.2	790.26	0.021523	72645.65	0.021523
670.62	5	71086.36	790.995	0.025547	72655.07	0.025547
670.87	5	71089.5	794.955	0.023151	72705.43	0.023151
671.635	3	71099.74	795.345	0.020197	72710.17	0.020197
672.5	5	71111.08	796.425	0.013598	72723.95	0.013598
672.915	3	71116.22	797.275	0.010903	72735.05	0.010903
673.605	6	71125.26	797.785	0.010006	72741.71	0.010006
674.46	6	71136.44	798.2	0.009108	72746.75	0.009108
674.89	6	71141.82	798.685	0.002476	72753.06	0.002476
675.62	7	71151.5	799.165	0.001191	72759.3	0.001191
676.46	7	71162.7	799.425	-7.5E-05	72762.45	-7.5E-05
676.89	6	71168.08	803.815	-0.00672	72818.32	-0.00672
678.635	6	71190.74	804.675	-0.00962	72829.46	-0.00962
680.44	6	71214.26	807.07	-0.01115	72860.28	-0.01115
681.2	6	71224.14	807.89	-0.01318	72873.4	-0.01318
681.885	2	71233.12				
682.25	6	71237.74				
682.47	1	71240.5				
682.715	2	71243.42				
682.97	1	71246.46				
683.31	2	71250.4				
683.785	1	71255.7				
684.145	3	71259.96				
684.395	1	71262.96				
684.82	3	71267.76				
685.365	2	71274.12				

685.98	5	71281.38
686.59	5	71288.44
687.06	6	71293.7
687.47	6	71298.3
687.81	2	71302.52
688.615	6	71311.96
689.49	5	71321.96
692.195	6	71353.6
694.68	1	71382.48
694.905	6	71384.78
695.32	6	71389.61
695.9	5	71396.73
696.56	6	71404.51
696.935	5	71408.53
697.195	6	71411.61
697.975	1	71420.85
699.07	1	71433.61
699.805	1	71442.49
700.455	1	71450.27
701.14	1	71458.75
701.455	1	71462.79
701.58	2	71464.29
701.75	2	71466.51
702.235	2	71472.39
702.8	1	71479.43
703.165	3	71483.85
703.49	1	71487.55
703.895	2	71492.79
704.42	2	71499.41
705.79	6	71516.37
707.235	1	71534.27
709.515	6	71562.34
712.44	7	71598.4
713.61	7	71612.62
714.29	6	71621.06
716.255	7	71645.09
718.515	7	71672.44
719.42	4	71683.32
720.255	7	71693.69
721.045	6	71703.36
722.435	1	71720.03
725.3	1	71754.84
730.2	1	71814.31
734.11	1	71861.87
738.495	1	71916.54
742.53	1	71967.1

745.62	1	72006.04
748.795	2	72045.99
749.6	3	72056.87
750.175	2	72064.92
750.62	3	72071.04
751.04	4	72076.76
751.08	1	72077.4
752.565	1	72098.16
754.17	1	72120.35
754.475	3	72124.59
755.21	4	72134.86
755.945	3	72144.75
756.775	4	72156.28
757.685	3	72169.04
758.13	2	72175.42
758.37	5	72178.84
758.56	3	72181.38
758.835	4	72184.99
759.245	5	72190.55
759.805	1	72198.51
760.19	5	72203.98
760.34	8	72205.88
760.675	5	72210.43
761.095	4	72216.2
761.63	5	72223.76
762.125	5	72230.72
762.34	4	72233.66
762.515	8	72236.37
764.015	1	72259.37
765.62	2	72284.05
766.13	2	72292.21
766.6	3	72299.23
766.775	4	72301.53
767.165	4	72307.77
767.555	4	72314.01
767.745	4	72317.05
768.01	4	72320.79
768.58	5	72329.41
769.21	1	72339.5
769.88	1	72349.72
770.41	4	72357.7
770.64	2	72361.38
771.175	1	72369.44
772.005	2	72382.22
772.72	2	72393.16
773.09	1	72398.58

773.575	2	72406.34
774.18	1	72415.52
774.58	1	72421.42
774.91	2	72426.7
775.185	1	72431.1
776.06	2	72443.6
777.04	3	72457.78
777.335	4	72462
777.6	4	72465.74
777.85	2	72469.49
778.03	4	72471.87
778.225	3	72474.74
778.415	4	72477.71
778.59	4	72480.01
778.755	4	72482.22
779.33	4	72490.42
780.32	5	72504.76
780.89	4	72513.01
781.19	5	72517.31
781.555	5	72522.52
781.86	4	72526.9
782.18	4	72531.52
782.385	4	72534.3
782.48	1	72535.82
782.635	3	72538.27
782.845	4	72541.13
783.39	5	72548.88
784.48	2	72564.81
785.475	4	72578.87
786.1	5	72587.87
786.85	1	72598.73
787.445	1	72607.27
788.84	1	72626.57
790.26	3	72645.65
790.545	1	72649.23
790.995	4	72655.07
791.635	3	72663.31
792.645	3	72676.15
793.98	3	72693.01
794.78	3	72703.13
794.955	4	72705.43
795.08	1	72706.93
795.345	4	72710.17
795.61	4	72713.57
795.74	1	72715.15
796.425	5	72723.95

797.12	2	72733.07
797.275	5	72735.05
797.49	3	72737.55
797.67	1	72739.93
797.785	2	72741.71
797.91	8	72743.21
798.065	1	72745.1
798.2	2	72746.75
798.405	1	72749.39
798.685	3	72753.06
798.955	2	72756.61
799.165	3	72759.3
799.295	2	72760.88
799.425	3	72762.45
800.855	3	72780.46
802.835	3	72805.76
803.815	4	72818.32
804.22	4	72823.68
804.44	3	72826.7
804.675	4	72829.46
804.89	8	72832.2
805.155	4	72835.82
805.34	4	72837.98
805.435	4	72839.12
805.595	4	72841.18
806.04	4	72846.8
806.555	4	72853.46
806.89	4	72857.82
807.07	8	72860.28
807.23	3	72862.84
807.405	1	72865.64
807.57	1	72868.28
807.74	1	72871
807.89	2	72873.4
808.27	2	72879.8
809.045	1	72892.7
809.72	1	72903.6

- 1 mudstone
- 2 silty mudstone
- 3 muddy siltstone
- 4 siltstone
- 5 fine sandstone
- 6 midium sandstone
- 7 coarse sandstone
- 8 conglomerate

individual beds

bed thickness (m)	bed duration (m)	depth (m)	CDMR
0.4	4.20012	625.23	1.56E-14
0.2	1.60006	625.63	-0.01959
0.24	2.92007	625.83	-0.06894
1.1	10.80034	626.07	-0.07548
0.66	6.2802	627.17	-0.10168
0.65	6.2002	627.83	-0.13112
0.75	7.86508	628.48	-0.16031
0.85	11.60052	629.23	-0.18002
0.42	5.72026	630.08	-0.17765
1.83	25.28111	630.5	-0.17542
0.12	1.92008	632.33	-0.17216
0.11	1.76006	632.45	-0.15901
0.25	3.00016	632.56	-0.14586
0.35	4.60021	632.81	-0.15354
0.32	5.1202	633.16	-0.15398
0.13	1.17388	633.48	-0.14083
0.6	8.50656	633.61	-0.17592
0.48	6.68029	634.21	-0.17081
1.11	15.33382	634.69	-0.16702
0.34	4.86707	635.8	-0.16376
0.13	1.89307	636.14	-0.15797
1.13	15.2677	636.27	-0.15099
0.5	7.0003	637.4	-0.14935
0.75	10.00046	637.9	-0.14513
0.46	6.36028	638.65	-0.14448
0.34	4.81223	639.11	-0.14116
1.02	13.9486	639.45	-0.13616
0.51	7.16031	640.47	-0.13364
0.65	9.33176	640.98	-0.12922
2.02	27.38987	641.63	-0.12323
0.23	3.68014	643.65	-0.12133
0.5	9.06979	643.88	-0.10818
1.74	32.77158	644.38	-0.08766
2.26	42.16138	646.12	-0.06511
4.92	91.723	648.38	-0.04306
0.3	5.63247	653.3	-0.02105
0.31	5.44029	653.6	0.00133
4.33	75.97025	653.91	0.019996
1.83	31.87538	658.24	0.038647
1.07	18.52639	660.07	0.056884
0.31	4.96019	661.14	0.074776
0.45	8.20028	661.45	0.087926

0.52	9.32031	661.9	0.108697
0.56	8.96035	662.42	0.128553
0.53	9.48032	662.98	0.141703
0.5	9.0003	663.51	0.161445
0.29	4.64018	664.01	0.181539
0.58	10.28035	664.3	0.194689
0.33	5.28021	664.88	0.213919
0.19	3.276	665.21	0.227069
1.38	21.84495	665.4	0.244719
0.64	8.24039	666.78	0.257194
0.86	11.48376	667.42	0.255176
0.4	4.67701	668.28	0.255935
0.26	3.60319	668.68	0.246058
0.39	5.12012	668.94	0.249547
0.07	0.79713	669.33	0.249025
0.4	5.40025	669.4	0.236857
0.39	5.24023	669.8	0.238434
0.34	4.16276	670.19	0.239658
0.18	2.15756	670.53	0.233629
0.32	4.1202	670.71	0.225849
1.21	16.36073	671.03	0.22383
0.52	6.32032	672.24	0.22552
0.31	3.96019	672.76	0.218894
1.07	14.12065	673.07	0.216262
0.64	8.24039	674.14	0.216134
0.22	2.52014	674.78	0.214116
1.24	16.84076	675	0.202467
0.44	5.56093	676.24	0.204483
0.42	5.19959	676.68	0.201008
3.07	40.12187	677.1	0.19588
0.54	6.91977	680.17	0.19501
0.98	12.8403	680.71	0.192621
0.39	5.12012	681.69	0.191946
0.34	4.12119	682.08	0.191424
0.1	1.39894	682.42	0.184571
0.39	4.44135	682.52	0.188736
0.12	1.63881	682.91	0.176572
0.56	6.24161	683.03	0.178996
0.39	4.35868	683.59	0.164923
0.33	4.16176	683.98	0.151094
0.17	1.83839	684.31	0.147449
0.68	7.76213	684.48	0.130624
0.41	4.9582	685.16	0.118667
0.82	9.56025	685.57	0.111623
0.4	4.56254	686.39	0.101499
0.54	5.95775	686.79	0.089476

0.28	3.24009	687.33	0.074485
0.4	5.20012	687.61	0.063716
1.21	13.68037	688.01	0.062442
0.54	6.32016	689.22	0.049642
4.87	56.96149	689.76	0.039849
0.1	0.80003	694.63	0.03
0.35	3.80011	694.73	-0.01935
0.48	5.84014	695.08	-0.0358
0.68	8.40551	695.56	-0.04234
0.64	7.15489	696.24	-0.0476
0.11	0.88004	696.88	-0.0614
0.41	5.28012	696.99	-0.11074
1.15	13.20035	697.4	-0.11275
1.04	12.32032	698.55	-0.12422
0.43	5.44013	699.59	-0.13298
0.87	10.12699	700.02	-0.13638
0.5	6.83343	700.89	-0.14664
0.13	1.24695	701.39	-0.14416
0.12	1.75313	701.52	-0.17277
0.22	2.68708	701.64	-0.16557
0.75	9.07321	701.86	-0.1718
0.38	5.00748	702.61	-0.17881
0.35	3.83274	702.99	-0.17905
0.3	3.56765	703.34	-0.19472
0.51	6.9126	703.64	-0.20316
0.54	6.32017	704.15	-0.20129
2.2	27.60067	704.69	-0.21108
0.69	8.20897	706.89	-0.21514
3.87	47.92236	707.58	-0.22355
1.98	24.19066	711.45	-0.22866
0.36	4.25077	713.43	-0.23486
1	12.62965	713.79	-0.2439
2.93	35.44089	714.79	-0.24744
1.59	19.25282	717.72	-0.25446
0.22	2.52014	719.31	-0.2614
1.45	18.20088	719.53	-0.27305
0.13	1.1472	720.98	-0.27707
2.65	32.2008	721.11	-0.31474
3.08	37.41558	723.76	-0.32139
6.72	81.5241	726.84	-0.32806
1.1	13.60067	733.56	-0.33484
7.67	95.72468	734.66	-0.34007
0.4	5.40024	742.33	-0.34455
5.78	72.48353	742.73	-0.34297
0.57	7.41893	748.51	-0.34707
1.04	14.34205	749.08	-0.34825

0.11	1.76007	750.12	-0.34512
0.78	10.48047	750.23	-0.33197
0.06	0.96004	751.01	-0.33074
0.02	0.32001	751.07	-0.31759
2.95	41.2018	751.09	-0.30444
0.26	3.16016	754.04	-0.30039
0.35	5.3371	754.3	-0.30702
1.12	15.1838	754.65	-0.29695
0.35	4.60021	755.77	-0.29507
1.31	18.45684	756.12	-0.2955
0.51	7.08015	757.43	-0.29083
0.38	5.66435	757.94	-0.28722
0.1	1.1758	758.32	-0.27865
0.28	3.90444	758.42	-0.28805
0.27	3.32016	758.7	-0.28412
0.55	7.80034	758.97	-0.28979
0.57	8.12034	759.52	-0.28466
0.2	2.81529	760.09	-0.2792
0.1	0.9849	760.29	-0.2746
0.57	8.12035	760.39	-0.30048
0.27	3.41504	760.96	-0.29503
0.8	11.70561	761.23	-0.29844
0.19	2.21469	762.03	-0.29114
0.24	3.66557	762.22	-0.30128
0.11	1.76007	762.46	-0.29111
2.89	44.24176	762.57	-0.27796
0.32	5.1202	765.46	-0.26763
0.7	11.20042	765.78	-0.25448
0.24	2.84015	766.48	-0.24133
0.11	1.76007	766.72	-0.25019
0.67	10.72041	766.83	-0.23704
0.11	1.76006	767.5	-0.22389
0.27	4.32017	767.61	-0.21074
0.26	3.16016	767.88	-0.19759
0.88	14.08053	768.14	-0.20421
0.38	6.08023	769.02	-0.19106
0.96	14.36059	769.4	-0.17791
0.1	1.60006	770.36	-0.16912
0.36	5.76022	770.46	-0.15597
0.71	10.36043	770.82	-0.14282
0.95	15.20058	771.53	-0.1357
0.48	6.6803	772.48	-0.12255
0.26	4.16016	772.96	-0.11875
0.71	11.36043	773.22	-0.1056
0.5	7.0003	773.93	-0.09245
0.3	4.80019	774.43	-0.08823

0.36	5.76022	774.73	-0.07508
0.19	3.04011	775.09	-0.06193
1.56	21.96095	775.28	-0.04878
0.4	6.40025	776.84	-0.04417
0.19	2.04011	777.24	-0.03102
0.34	5.44021	777.43	-0.0485
0.16	2.04988	777.77	-0.03535
0.2	2.71034	777.93	-0.03776
0.19	3.04012	778.13	-0.0359
0.19	2.88972	778.32	-0.02275
0.16	1.71049	778.51	-0.01286
0.17	2.7201	778.67	-0.03075
0.98	13.6806	778.84	-0.0176
1	15.00061	779.82	-0.01359
0.14	1.48894	780.82	-0.0046
0.46	7.11143	780.96	-0.02298
0.27	3.32016	781.42	-0.01202
0.34	5.44021	781.69	-0.01769
0.3	3.80018	782.03	-0.00454
0.11	1.76007	782.33	-0.00784
0.08	1.28005	782.44	0.005313
0.23	3.60845	782.52	0.018463
0.19	2.11181	782.75	0.030372
0.9	13.40055	782.94	0.016049
1.28	18.44836	783.84	0.024535
0.71	9.68022	785.12	0.0308
0.54	8.32016	785.83	0.033102
0.96	13.39338	786.37	0.043847
0.23	3.68014	787.33	0.047818
2.56	34.92763	787.56	0.060968
0.28	3.24008	790.12	0.063321
0.29	3.9142	790.4	0.052551
0.61	7.76038	790.69	0.054109
0.67	8.72041	791.3	0.051153
1.35	16.9659	791.97	0.049969
1.32	16.75572	793.32	0.046045
0.28	3.48018	794.64	0.042914
0.07	1.12004	794.92	0.038106
0.18	1.88011	794.99	0.051256
0.35	4.60021	795.17	0.031164
0.18	2.20447	795.52	0.030728
0.08	0.95569	795.7	0.024724
1.29	16.64079	795.78	0.016662
0.1	1.60006	797.07	0.01479
0.21	2.36013	797.17	0.02794
0.22	2.64391	797.38	0.014609

0.14	2.11631	797.6	0.007047
0.09	1.44005	797.74	0.016541
0.16	1.56376	797.83	0.029691
0.15	2.20004	797.99	0.003021
0.12	1.11646	798.14	0.010488
0.29	4.16367	798.26	-0.02135
0.27	3.16008	798.55	-0.01535
0.27	3.95676	798.82	-0.02514
0.15	1.40337	799.09	-0.01773
0.11	1.75679	799.24	-0.04897
0.15	1.40009	799.35	-0.03594
2.71	34.60403	799.5	-0.06743
1.25	16.00038	802.21	-0.07009
0.71	9.11844	803.46	-0.07257
0.1	1.60006	804.17	-0.07478
0.34	4.44021	804.27	-0.06163
0.13	1.08168	804.61	-0.06256
0.3	4.40009	804.74	-0.1071
0.23	2.84007	805.04	-0.09963
0.14	1.47865	805.27	-0.10496
0.05	0.80003	805.41	-0.124
0.27	3.32016	805.46	-0.11085
0.62	7.92038	805.73	-0.11652
0.41	5.40123	806.35	-0.11915
0.26	3.31918	806.76	-0.11941
0.1	1.60006	807.02	-0.1221
0.22	3.52013	807.12	-0.10895
0.13	2.08008	807.34	-0.0958
0.2	3.20012	807.47	-0.08265
0.14	2.24009	807.67	-0.0695
0.16	2.5601	807.81	-0.05635
0.6	10.23993	807.97	-0.0432
0.95	15.56101	808.57	-0.02615
0.4	6.24024	809.52	-0.01155

GR

input data			output data			
depth (m)	GR (ppm)	age (ka)	depth (m)	CDMR	age (ka)	CDMR
625	63.9278	70384	626.125	4.1E-15	70395	4.1E-15
625.125	65.1013	70385	628.75	-0.01986	70420	-0.01986
625.25	65.2166	70386	631	-0.05096	70450	-0.05096
625.375	64.3273	70388	631.75	-0.05207	70460	-0.05207
625.5	62.5958	70389	632.375	-0.05317	70469	-0.05317
625.625	62.0453	70390	633.375	-0.04872	70483	-0.04872
625.75	62.1269	70391	635.875	-0.04626	70517	-0.04626
625.875	61.6044	70392	636.625	-0.04589	70528	-0.04589

626	61.3638	70394	637.5	-0.04018	70540	-0.04018
626.125	62.2714	70395	638	-0.0392	70547	-0.0392
626.25	65.675	70396	639.5	-0.03674	70567	-0.03674
626.375	69.6741	70397	640.25	-0.03785	70578	-0.03785
626.5	72.7366	70399	641.75	-0.03213	70598	-0.03213
626.625	74.4261	70400	642.75	-0.03324	70612	-0.03324
626.75	76.0737	70401	643.75	-0.03077	70626	-0.03077
626.875	78.6409	70402	645	-0.02831	70649	-0.02831
627	82.6523	70403	645.75	-0.00876	70663	-0.00876
627.125	87.117	70405	646.5	0.01156	70677	0.01156
627.25	91.6056	70406	647	0.031883	70686	0.031883
627.375	95.4027	70407	647.875	0.050221	70703	0.050221
627.5	98.4668	70408	648.625	0.072645	70717	0.072645
627.625	99.464	70409	649.25	0.092967	70728	0.092967
627.75	97.7334	70411	649.875	0.110043	70740	0.110043
627.875	94.9783	70412	651	0.131854	70761	0.131854
628	92.6017	70413	651.75	0.152177	70775	0.152177
628.125	90.9345	70414	652.25	0.172499	70784	0.172499
628.25	90.2535	70415	653.25	0.190838	70803	0.190838
628.375	88.7297	70417	653.75	0.2121	70812	0.2121
628.5	87.5475	70418	654.5	0.230438	70826	0.230438
628.625	87.3942	70419	655.125	0.250761	70837	0.250761
628.75	87.4671	70420	655.875	0.267837	70850	0.267837
628.875	88.3912	70422	657.5	0.284039	70878	0.284039
629	89.9567	70423	658.875	0.299897	70902	0.299897
629.125	90.3269	70424	659.875	0.316499	70919	0.316499
629.25	90.5975	70426	661.125	0.33157	70941	0.33157
629.375	91.5564	70428	662	0.348646	70956	0.348646
629.5	92.62	70429	662.75	0.364206	70969	0.364206
629.625	92.3816	70431	663.5	0.380408	70982	0.380408
629.75	89.9325	70433	664	0.39661	70991	0.39661
629.875	87.2693	70435	664.625	0.414948	71001	0.414948
630	85.1855	70436	665.125	0.426342	71010	0.426342
630.125	82.8545	70438	666.25	0.444681	71029	0.444681
630.25	78.7465	70440	666.875	0.459364	71038	0.459364
630.375	75.354	70442	668.375	0.463814	71057	0.463814
630.5	73.1251	70443	669.25	0.45876	71069	0.45876
630.625	71.0437	70445	669.875	0.459738	71077	0.459738
630.75	69.4037	70447	671	0.455507	71091	0.455507
630.875	68.9826	70448	671.875	0.449043	71103	0.449043
631	69.0914	70450	673	0.450021	71117	0.450021
631.125	70.0354	70452	674.25	0.443558	71134	0.443558
631.25	71.548	70454	675.125	0.443922	71145	0.443922
631.375	73.4126	70455	675.625	0.438271	71152	0.438271
631.5	74.0165	70457	677.125	0.440736	71171	0.440736
631.625	73.6556	70459	677.75	0.435683	71179	0.435683

631.75	74.8335	70460	678.625	0.431452	71191	0.431452
631.875	77.6608	70462	680	0.432429	71209	0.432429
632	80.4605	70464	681.5	0.429934	71228	0.429934
632.125	81.8036	70466	682.625	0.424881	71242	0.424881
632.25	81.7241	70467	683.75	0.418418	71255	0.418418
632.375	81.8184	70469	684.25	0.405773	71261	0.405773
632.5	80.9111	70471	684.875	0.396334	71268	0.396334
632.625	78.9745	70473	685.75	0.380942	71278	0.380942
632.75	76.202	70474	687.125	0.367336	71294	0.367336
632.875	74.3447	70476	687.75	0.355293	71302	0.355293
633	72.3585	70478	689	0.351062	71316	0.351062
633.125	70.4374	70479	689.5	0.33567	71322	0.33567
633.25	69.791	70481	690.625	0.326231	71335	0.326231
633.375	70.176	70483	690.875	0.313586	71338	0.313586
633.5	70.2556	70485	692.75	0.304147	71360	0.304147
633.625	75.7566	70486	694.25	0.292814	71377	0.292814
633.75	79.7921	70488	695.625	0.278473	71393	0.278473
633.875	84.473	70490	697.125	0.266429	71411	0.266429
634	87.4413	70492	698.875	0.25699	71431	0.25699
634.125	89.4575	70493	699.375	0.243384	71437	0.243384
634.25	93.5528	70495	700.125	0.233944	71446	0.233944
634.375	108.904	70497	701.375	0.224505	71462	0.224505
634.5	134.012	70498	702	0.220274	71469	0.220274
634.625	164.169	70500	703	0.204882	71482	0.204882
634.75	188.332	70502	704.875	0.201853	71505	0.201853
634.875	167.763	70504	705.25	0.194226	71509	0.194226
635	138.68	70505	707.125	0.17437	71533	0.17437
635.125	118.285	70507	708.25	0.170139	71546	0.170139
635.25	111.164	70509	710.125	0.157494	71570	0.157494
635.375	109.557	70510	711.125	0.153263	71582	0.153263
635.5	108.404	70512	712	0.143824	71593	0.143824
635.625	106.904	70514	712.75	0.138172	71602	0.138172
635.75	105.966	70516	713.75	0.128733	71614	0.128733
635.875	108.296	70517	714.25	0.119294	71621	0.119294
636	109.465	70519	715.25	0.121759	71633	0.121759
636.125	104.297	70521	716.125	0.11232	71644	0.11232
636.25	98.2297	70523	717.25	0.106668	71657	0.106668
636.375	95.1317	70524	718.375	0.094024	71671	0.094024
636.5	93.5863	70526	719.875	0.087561	71689	0.087561
636.625	94.4968	70528	720.375	0.078122	71695	0.078122
636.75	94.3222	70529	722.375	0.068682	71719	0.068682
636.875	92.8577	70531	724.375	0.059243	71743	0.059243
637	91.2838	70533	725	0.049804	71751	0.049804
637.125	90.975	70535	726.75	0.045573	71772	0.045573
637.25	90.9598	70536	727.75	0.036133	71784	0.036133
637.375	90.9527	70538	728.625	0.026694	71795	0.026694

637.5	91.5554	70540	729.375	0.021042	71804	0.021042
637.625	92.7982	70542	730.5	0.011603	71817	0.011603
637.75	93.0498	70543	731.5	-0.00104	71830	-0.00104
637.875	91.907	70545	732	-0.00407	71836	-0.00407
638	92.0514	70547	733	-0.01351	71848	-0.01351
638.125	94.4168	70548	734.125	-0.02295	71862	-0.02295
638.25	96.8727	70550	734.75	-0.02941	71870	-0.02941
638.375	97.7592	70552	735.625	-0.03364	71881	-0.03364
638.5	94.6333	70554	736.5	-0.03929	71892	-0.03929
638.625	93.7639	70555	737.625	-0.04495	71906	-0.04495
638.75	93.1731	70557	738.25	-0.05141	71913	-0.05141
638.875	92.5241	70559	739.125	-0.0668	71924	-0.0668
639	92.3972	70560	740	-0.07245	71935	-0.07245
639.125	91.4544	70562	740.75	-0.0781	71945	-0.0781
639.25	90.5591	70564	741.5	-0.07921	71954	-0.07921
639.375	90.5414	70566	742.25	-0.08865	71963	-0.08865
639.5	91.884	70567	743.125	-0.09809	71974	-0.09809
639.625	93.2417	70569	744	-0.10374	71985	-0.10374
639.75	93.258	70571	745.75	-0.10939	72007	-0.10939
639.875	91.174	70573	746.375	-0.11504	72015	-0.11504
640	88.7035	70574	747.125	-0.11927	72024	-0.11927
640.125	86.8666	70576	748.25	-0.12871	72038	-0.12871
640.25	87.5613	70578	749.25	-0.13518	72052	-0.13518
640.375	89.668	70579	751.125	-0.13271	72078	-0.13271
640.5	93.669	70581	751.875	-0.13093	72089	-0.13093
640.625	97.4118	70583	752.375	-0.12522	72095	-0.12522
640.75	98.5902	70585	753.875	-0.13466	72116	-0.13466
640.875	98.9173	70586	754.75	-0.13219	72128	-0.13219
641	97.9473	70588	755.625	-0.13122	72140	-0.13122
641.125	96.4953	70590	757.125	-0.13024	72161	-0.13024
641.25	93.6249	70592	757.75	-0.12777	72170	-0.12777
641.375	89.4231	70593	760	-0.12332	72201	-0.12332
641.5	84.8505	70595	761.375	-0.12201	72220	-0.12201
641.625	84.7712	70597	762.125	-0.12049	72231	-0.12049
641.75	87.1	70598	763.375	-0.11477	72250	-0.11477
641.875	90.4182	70600	763.75	-0.10667	72255	-0.10667
642	91.23	70602	764.375	-0.10777	72265	-0.10777
642.125	91.057	70604	765.375	-0.09638	72280	-0.09638
642.25	91.057	70605	765.875	-0.08915	72288	-0.08915
642.375	91.057	70607	767	-0.07776	72305	-0.07776
642.5	91.057	70609	768.5	-0.07004	72328	-0.07004
642.625	91.057	70610	769	-0.06136	72336	-0.06136
642.75	91.1149	70612	770	-0.04997	72351	-0.04997
642.875	90.881	70614	771.875	-0.04274	72380	-0.04274
643	90.881	70616	772.625	-0.0335	72392	-0.0335
643.125	90.881	70617	774.125	-0.02211	72415	-0.02211

643.25	90.881	70619	775.125	-0.01343	72430	-0.01343
643.375	90.881	70621	776.75	-0.00621	72453	-0.00621
643.5	90.7764	70623	778.125	-0.00296	72473	-0.00296
643.625	90.5318	70624	779.125	0.002179	72487	0.002179
643.75	90.6636	70626	779.75	0.004645	72496	0.004645
643.875	91.5053	70628	780.75	0.009094	72511	0.009094
644	92.5851	70630	781.125	0.016321	72516	0.016321
644.125	93.2859	70633	782	0.015215	72529	0.015215
644.25	93.5367	70635	782.75	0.021802	72540	0.021802
644.375	94.489	70637	783.5	0.027514	72550	0.027514
644.5	95.6468	70640	784.375	0.026408	72563	0.026408
644.625	96.7615	70642	787.125	0.032994	72602	0.032994
644.75	94.4984	70644	788.875	0.036375	72627	0.036375
644.875	94.0211	70647	789.375	0.040269	72634	0.040269
645	95.4863	70649	789.75	0.042735	72639	0.042735
645.125	96.9997	70651	790.75	0.041629	72652	0.041629
645.25	97.9356	70654	791.875	0.0386	72666	0.0386
645.375	97.9527	70656	792.875	0.032137	72679	0.032137
645.5	97.732	70658	793.625	0.029108	72688	0.029108
645.625	97.4441	70661	794.125	0.019668	72695	0.019668
645.75	97.9552	70663	795.375	0.022134	72711	0.022134
645.875	99.9433	70665	796	0.017903	72719	0.017903
646	102.183	70668	797.375	0.013672	72736	0.013672
646.125	100.411	70670	798	0.006683	72744	0.006683
646.25	97.0954	70672	799.125	0.002452	72759	0.002452
646.375	94.825	70675	800.5	0.001346	72776	0.001346
646.5	95.0821	70677	802.25	-0.00564	72798	-0.00564
646.625	95.2673	70679	803.125	-0.01129	72810	-0.01129
646.75	94.0015	70682	804.375	-0.01032	72826	-0.01032
646.875	92.9258	70684	805	-0.01455	72834	-0.01455
647	93.3659	70686	805.75	-0.01878	72843	-0.01878
647.125	96.0865	70689	806.625	-0.02822	72854	-0.02822
647.25	99.8248	70691	807.875	-0.03387	72873	-0.03387
647.375	103.4	70693	809.125	-0.02576	72894	-0.02576
647.5	103.999	70696	809.75	-0.01139	72904	-0.01139
647.625	102.824	70698				
647.75	101.217	70700				
647.875	101.917	70703				
648	102.883	70705				
648.125	102.041	70707				
648.25	99.6054	70710				
648.375	97.0265	70712				
648.5	96.4972	70714				
648.625	97.3651	70717				
648.75	99.0314	70719				
648.875	99.0874	70721				

649	98.1469	70724
649.125	97.6584	70726
649.25	98.6448	70728
649.375	99.6216	70731
649.5	99.2542	70733
649.625	98.2103	70735
649.75	97.5138	70738
649.875	98.3652	70740
650	100.418	70742
650.125	100.913	70744
650.25	100.615	70747
650.375	99.4336	70749
650.5	97.9607	70751
650.625	96.4757	70754
650.75	95.5871	70756
650.875	94.7949	70758
651	99.069	70761
651.125	100.955	70763
651.25	100.168	70765
651.375	96.4059	70768
651.5	92.4015	70770
651.625	92.0683	70772
651.75	93.5548	70775
651.875	95.0527	70777
652	95.2871	70779
652.125	95.2719	70782
652.25	96.0581	70784
652.375	96.7631	70786
652.5	97.0927	70789
652.625	97.4626	70791
652.75	96.656	70793
652.875	94.6504	70796
653	91.4836	70798
653.125	91.1689	70800
653.25	92.7994	70803
653.375	93.8977	70805
653.5	93.5042	70807
653.625	92.1103	70810
653.75	92.1443	70812
653.875	93.0064	70814
654	93.7761	70817
654.125	93.4776	70819
654.25	92.768	70821
654.375	92.3851	70824
654.5	92.5677	70826
654.625	92.4815	70828

654.75	91.151	70831
654.875	89.6523	70833
655	89.2219	70835
655.125	90.9177	70837
655.25	92.7161	70839
655.375	92.7222	70841
655.5	90.316	70844
655.625	87.784	70846
655.75	86.8757	70848
655.875	87.0578	70850
656	87.2082	70852
656.125	87.7043	70854
656.25	89.2632	70857
656.375	90.9483	70859
656.5	91.3934	70861
656.625	90.6747	70863
656.75	89.0818	70865
656.875	87.9093	70867
657	86.8864	70870
657.125	85.0969	70872
657.25	83.3624	70874
657.375	82.6934	70876
657.5	84.2109	70878
657.625	86.0534	70880
657.75	87.12	70883
657.875	85.9944	70885
658	84.0199	70887
658.125	82.1285	70889
658.25	81.5388	70891
658.375	81.2884	70893
658.5	80.9398	70896
658.625	80.521	70898
658.75	80.2059	70900
658.875	80.2846	70902
659	81.5426	70904
659.125	83.6103	70906
659.25	85.8647	70908
659.375	85.7939	70911
659.5	84.5076	70913
659.625	82.3527	70915
659.75	81.0914	70917
659.875	82.7133	70919
660	86.9347	70921
660.125	91.127	70924
660.25	93.4437	70926
660.375	94.3112	70928

660.5	95.2764	70930
660.625	96.925	70932
660.75	97.1889	70934
660.875	96.4103	70937
661	95.7118	70939
661.125	95.9546	70941
661.25	97.6803	70943
661.375	98.9384	70945
661.5	98.7863	70947
661.625	96.4846	70950
661.75	93.6788	70952
661.875	92.3196	70954
662	94.2521	70956
662.125	95.8075	70958
662.25	95.4459	70960
662.375	92.5811	70963
662.5	90.8036	70965
662.625	90.3735	70967
662.75	91.2514	70969
662.875	92.3745	70971
663	93.3877	70973
663.125	93.5581	70976
663.25	92.9795	70978
663.375	91.9782	70980
663.5	92.0762	70982
663.625	92.8142	70984
663.75	93.1605	70986
663.875	92.9107	70988
664	93.3615	70991
664.125	95.3806	70993
664.25	95.5438	70995
664.375	94.3183	70997
664.5	93.7394	70999
664.625	94.8176	71001
664.75	97.1197	71004
664.875	97.9178	71006
665	97.8404	71008
665.125	97.9065	71010
665.25	100.95	71012
665.375	105.356	71014
665.5	109.824	71017
665.625	111.729	71019
665.75	111.705	71021
665.875	109.491	71023
666	107.138	71025
666.125	106.552	71027

666.25	107.18	71029
666.375	106.6	71031
666.5	103.032	71033
666.625	99.8969	71034
666.75	98.4063	71036
666.875	99.4999	71038
667	101.385	71039
667.125	103.843	71041
667.25	108.711	71043
667.375	112.873	71044
667.5	114.68	71046
667.625	109.744	71047
667.75	102.346	71049
667.875	94.56	71051
668	88.6426	71052
668.125	84.1727	71054
668.25	82.4148	71056
668.375	84.9024	71057
668.5	88.9962	71059
668.625	93.5214	71060
668.75	95.036	71062
668.875	95.3135	71064
669	94.5429	71065
669.125	93.7501	71067
669.25	93.8822	71069
669.375	92.1025	71070
669.5	88.7012	71072
669.625	84.0989	71073
669.75	82.043	71075
669.875	82.5418	71077
670	85.6033	71078
670.125	89.7496	71080
670.25	89.8746	71082
670.375	90.1935	71083
670.5	91.4044	71085
670.625	91.9744	71086
670.75	91.2578	71088
670.875	91.0106	71090
671	93.4852	71091
671.125	96.9773	71093
671.25	98.2676	71095
671.375	98.5975	71096
671.5	94.8939	71098
671.625	90.8627	71099
671.75	88.9285	71101
671.875	90.9857	71103

672	94.1614	71104
672.125	95.6422	71106
672.25	94.97	71108
672.375	92.0242	71109
672.5	89.8193	71111
672.625	88.7193	71113
672.75	88.5117	71114
672.875	88.28	71116
673	88.3157	71117
673.125	88.9927	71119
673.25	91.3289	71121
673.375	94.1232	71122
673.5	97.0111	71124
673.625	98.1629	71126
673.75	97.9025	71127
673.875	96.0219	71129
674	94.0134	71130
674.125	92.8814	71132
674.25	93.6099	71134
674.375	95.2161	71135
674.5	96.3674	71137
674.625	93.2779	71139
674.75	87.9249	71140
674.875	82.6284	71142
675	82.3823	71143
675.125	84.2956	71145
675.25	86.2394	71147
675.375	85.935	71148
675.5	84.7847	71150
675.625	85.4452	71152
675.75	87.8166	71153
675.875	91.1214	71155
676	92.2106	71156
676.125	92.089	71158
676.25	90.9846	71160
676.375	88.8799	71161
676.5	86.1896	71163
676.625	82.8667	71165
676.75	79.7949	71166
676.875	76.727	71168
677	75.4813	71169
677.125	75.5186	71171
677.25	75.9329	71173
677.375	74.8135	71174
677.5	73.2328	71176
677.625	72.4914	71178

677.75	72.51	71179
677.875	72.1491	71181
678	71.6117	71183
678.125	71.0369	71184
678.25	69.9972	71186
678.375	67.6913	71187
678.5	66.5547	71189
678.625	66.7984	71191
678.75	68.8661	71192
678.875	70.806	71194
679	72.0365	71196
679.125	72.2354	71197
679.25	71.8373	71199
679.375	71.3487	71200
679.5	71.2214	71202
679.625	70.8741	71204
679.75	69.8824	71205
679.875	69.578	71207
680	70.4044	71209
680.125	72.2973	71210
680.25	73.6173	71212
680.375	73.8782	71213
680.5	75.1606	71215
680.625	77.8139	71217
680.75	81.9425	71218
680.875	84.556	71220
681	85.3451	71222
681.125	83.7446	71223
681.25	81.8337	71225
681.375	80.8787	71226
681.5	82.2384	71228
681.625	84.6557	71230
681.75	86.2557	71231
681.875	85.1449	71233
682	83.1902	71235
682.125	81.9274	71236
682.25	81.7017	71238
682.375	81.5537	71239
682.5	80.9558	71241
682.625	81.221	71242
682.75	82.3572	71244
682.875	84.8573	71245
683	87.7875	71247
683.125	90.5913	71248
683.25	91.9182	71249
683.375	92.0044	71251

683.5	91.1679	71252
683.625	91.1489	71254
683.75	91.3146	71255
683.875	90.5262	71257
684	88.7567	71258
684.125	87.3405	71260
684.25	87.9977	71261
684.375	88.6269	71263
684.5	88.3613	71264
684.625	86.6971	71265
684.75	86.6577	71267
684.875	87.883	71268
685	89.0917	71270
685.125	89.6829	71271
685.25	89.4753	71273
685.375	88.2472	71274
685.5	86.7363	71276
685.625	85.643	71277
685.75	87.1261	71278
685.875	89.8716	71280
686	93.4825	71281
686.125	96.6568	71283
686.25	98.9195	71284
686.375	99.2313	71286
686.5	98.6972	71287
686.625	97.5705	71289
686.75	96.4406	71290
686.875	95.5763	71292
687	95.1516	71293
687.125	96.8955	71294
687.25	99.3164	71296
687.375	100.458	71297
687.5	99.5311	71299
687.625	98.6914	71300
687.75	99.4432	71302
687.875	101.872	71303
688	104.626	71305
688.125	106.788	71306
688.25	107.397	71308
688.375	104.372	71309
688.5	98.084	71310
688.625	91.5196	71312
688.75	86.5011	71313
688.875	84.5606	71315
689	84.9195	71316
689.125	84.8765	71318

689.25	84.3538	71319
689.375	84.2202	71321
689.5	85.4258	71322
689.625	88.2168	71324
689.75	91.0367	71325
689.875	90.0871	71326
690	86.3632	71328
690.125	81.4728	71329
690.25	79.7588	71331
690.375	78.657	71332
690.5	75.116	71334
690.625	75.1971	71335
690.75	72.5709	71337
690.875	72.7628	71338
691	78.8726	71340
691.125	87.1651	71341
691.25	95.1957	71342
691.375	101.812	71344
691.5	107.899	71345
691.625	108.019	71347
691.75	110.022	71348
691.875	107.881	71350
692	102.346	71351
692.125	96.6087	71353
692.25	91.9628	71354
692.375	88.111	71356
692.5	84.4421	71357
692.625	82.6106	71358
692.75	83.905	71360
692.875	85.8749	71361
693	87.2365	71363
693.125	88.4077	71364
693.25	90.979	71366
693.375	94.3885	71367
693.5	96.7253	71369
693.625	95.6625	71370
693.75	90.8738	71371
693.875	85.5614	71373
694	81.4455	71374
694.125	80.3512	71376
694.25	80.7395	71377
694.375	82.6843	71379
694.5	85.0545	71380
694.625	87.1522	71382
694.75	88.0385	71383
694.875	88.6661	71385

695	89.5561	71386
695.125	91.155	71387
695.25	92.7926	71389
695.375	93.0925	71390
695.5	92.6555	71392
695.625	93.1245	71393
695.75	96.7954	71395
695.875	101.81	71396
696	106.11	71398
696.125	106.25	71399
696.25	103.278	71401
696.375	96.154	71402
696.5	88.6725	71403
696.625	83.4465	71405
696.75	81.5007	71406
696.875	79.9759	71408
697	78.1442	71409
697.125	78.2478	71411
697.25	84.7365	71412
697.375	93.2398	71414
697.5	98.9138	71415
697.625	101.74	71417
697.75	102.435	71418
697.875	103.212	71419
698	103.406	71421
698.125	101.991	71422
698.25	99.4112	71424
698.375	96.4945	71425
698.5	93.1442	71427
698.625	91.3454	71428
698.75	91.2512	71430
698.875	94.1824	71431
699	95.9691	71433
699.125	95.9475	71434
699.25	94.9744	71435
699.375	95.0835	71437
699.5	96.7958	71439
699.625	97.133	71440
699.75	95.8531	71442
699.875	93.3527	71443
700	92.291	71445
700.125	92.3208	71446
700.25	93.8072	71448
700.375	96.3001	71449
700.5	98.8556	71451
700.625	101.208	71452

700.75	101.955	71454
700.875	101.853	71455
701	101.126	71457
701.125	100.284	71459
701.25	99.8454	71460
701.375	100.074	71462
701.5	100.131	71463
701.625	99.1967	71465
701.75	97.0767	71466
701.875	95.3774	71468
702	95.5316	71469
702.125	94.4293	71471
702.25	92.3728	71472
702.375	86.6893	71474
702.5	85.7905	71476
702.625	85.4791	71477
702.75	84.8036	71479
702.875	84.5926	71480
703	85.7847	71482
703.125	87.01	71483
703.25	88.2026	71485
703.375	89.999	71486
703.5	92.0612	71488
703.625	93.7806	71489
703.75	94.5799	71491
703.875	95.2735	71493
704	96.3015	71494
704.125	97.4186	71496
704.25	97.8274	71497
704.375	97.434	71499
704.5	94.5588	71500
704.625	91.3707	71502
704.75	90.1393	71503
704.875	90.3402	71505
705	90.104	71506
705.125	88.9671	71508
705.25	89.4423	71509
705.375	91.2415	71511
705.5	93.6329	71513
705.625	95.5111	71514
705.75	96.2594	71516
705.875	95.1011	71517
706	92.9749	71519
706.125	90.6703	71520
706.25	89.555	71522
706.375	88.9288	71523

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706.625	86.4518	71526
706.75	84.7619	71528
706.875	83.1688	71530
707	83.0757	71531
707.125	84.1384	71533
707.25	84.3445	71534
707.375	82.5958	71536
707.5	78.0107	71537
707.625	73.7791	71539
707.75	70.8261	71540
707.875	69.079	71542
708	67.8059	71543
708.125	67.076	71545
708.25	68.4815	71546
708.375	73.4005	71548
708.5	79.5424	71550
708.625	85.5661	71551
708.75	90.6966	71553
708.875	93.8577	71554
709	92.2307	71556
709.125	87.2057	71557
709.25	79.1202	71559
709.375	73.4595	71560
709.5	70.3975	71562
709.625	69.7011	71563
709.75	68.462	71565
709.875	66.7223	71567
710	65.6146	71568
710.125	66.3623	71570
710.25	67.9095	71571
710.375	70.4084	71573
710.5	72.6547	71574
710.625	73.1497	71576
710.75	70.8882	71577
710.875	68.1444	71579
711	66.7318	71580
711.125	69.1329	71582
711.25	72.5791	71583
711.375	74.8507	71585
711.5	73.2824	71587
711.625	70.2329	71588
711.75	66.5013	71590
711.875	65.6595	71591
712	66.454	71593
712.125	68.6013	71594

712.25	69.7429	71596
712.375	68.1021	71597
712.5	66.7704	71599
712.625	66.7467	71600
712.75	67.9972	71602
712.875	68.814	71604
713	68.7988	71605
713.125	67.3447	71607
713.25	64.8268	71608
713.375	62.345	71610
713.5	61.4926	71611
713.625	61.4714	71613
713.75	61.8221	71614
713.875	61.5282	71616
714	60.7963	71617
714.125	60.1352	71619
714.25	60.6057	71621
714.375	61.5957	71622
714.5	63.2987	71624
714.625	64.5817	71625
714.75	64.9048	71627
714.875	62.5593	71628
715	60.3067	71630
715.125	59.7329	71631
715.25	61.6858	71633
715.375	63.6978	71634
715.5	64.8817	71636
715.625	64.5397	71637
715.75	63.502	71639
715.875	63.1487	71641
716	62.9746	71642
716.125	63.6554	71644
716.25	64.9166	71645
716.375	64.7456	71647
716.5	64.0767	71648
716.625	63.2589	71650
716.75	61.9689	71651
716.875	59.7677	71653
717	58.05	71654
717.125	57.313	71656
717.25	57.7877	71657
717.375	58.018	71659
717.5	58.1039	71660
717.625	59.5005	71662
717.75	62.1625	71663
717.875	64.3254	71665

718	63.6415	71666
718.125	60.787	71668
718.25	58.5628	71669
718.375	59.1524	71671
718.5	60.7113	71672
718.625	62.1379	71674
718.75	62.4512	71675
718.875	62.4691	71677
719	62.6832	71678
719.125	62.978	71680
719.25	63.0336	71681
719.375	62.0217	71683
719.5	60.0949	71684
719.625	58.5923	71686
719.75	58.4865	71687
719.875	58.6711	71689
720	58.266	71690
720.125	57.1091	71692
720.25	56.4095	71693
720.375	56.9947	71695
720.5	58.3546	71696
720.625	59.6486	71698
720.75	60.4775	71700
720.875	61.3148	71701
721	62.6157	71703
721.125	65.3577	71704
721.25	70.679	71706
721.375	76.5218	71707
721.5	78.3514	71709
721.625	76.3546	71710
721.75	70.1987	71712
721.875	64.6596	71713
722	60.9321	71715
722.125	59.3999	71716
722.25	59.3808	71718
722.375	60.08	71719
722.5	61.6178	71721
722.625	63.0341	71722
722.75	64.3819	71724
722.875	66.2647	71725
723	69.9083	71727
723.125	74.8998	71728
723.25	81.5634	71730
723.375	88.2848	71731
723.5	93.3764	71733
723.625	95.1164	71734

723.75	96.1186	71736
723.875	97.4914	71737
724	98.0632	71739
724.125	97.7902	71740
724.25	97.1773	71742
724.375	98.0008	71743
724.5	98.9115	71745
724.625	98.3627	71746
724.75	97.2907	71748
724.875	96.4844	71749
725	96.569	71751
725.125	96.9189	71752
725.25	97.3245	71754
725.375	97.8502	71755
725.5	98.4768	71757
725.625	99.5788	71758
725.75	100.491	71760
725.875	100.892	71761
726	99.8811	71763
726.125	98.3754	71765
726.25	97.2294	71766
726.375	96.7891	71768
726.5	96.722	71769
726.625	96.4328	71771
726.75	99.1548	71772
726.875	100.112	71774
727	99.5939	71775
727.125	99.0671	71777
727.25	98.8809	71778
727.375	98.6202	71780
727.5	96.8527	71781
727.625	95.2725	71783
727.75	96.5181	71784
727.875	99.1844	71786
728	101.656	71787
728.125	101.416	71789
728.25	99.831	71790
728.375	97.6015	71792
728.5	96.488	71793
728.625	96.735	71795
728.75	98.9144	71796
728.875	100.242	71798
729	100.252	71799
729.125	98.9219	71801
729.25	98.4078	71802
729.375	98.9282	71804

729.5	100.001	71805
729.625	101.04	71807
729.75	102.284	71808
729.875	102.077	71810
730	100.762	71811
730.125	97.9293	71813
730.25	96.0129	71814
730.375	95.2811	71816
730.5	95.8481	71817
730.625	97.1554	71819
730.75	98.49	71820
730.875	98.7256	71822
731	98.4354	71823
731.125	97.7261	71825
731.25	97.0922	71827
731.375	97.082	71828
731.5	98.0425	71830
731.625	98.1548	71831
731.75	97.3125	71833
731.875	95.7838	71834
732	96.0981	71836
732.125	97.3501	71837
732.25	98.6303	71839
732.375	99.0026	71840
732.5	98.6777	71842
732.625	97.6644	71843
732.75	96.9106	71845
732.875	96.5962	71846
733	96.7735	71848
733.125	97.0893	71850
733.25	97.4722	71851
733.375	97.646	71853
733.5	97.5813	71854
733.625	97.4798	71856
733.75	97.2362	71857
733.875	96.696	71859
734	96.4856	71861
734.125	96.7166	71862
734.25	96.9503	71864
734.375	96.1507	71865
734.5	95.1035	71867
734.625	94.4437	71868
734.75	95.9293	71870
734.875	98.7994	71871
735	103.119	71873
735.125	104.323	71875

735.25	103.095	71876
735.375	99.8888	71878
735.5	99.0931	71879
735.625	99.9325	71881
735.75	101.336	71882
735.875	101.879	71884
736	100.517	71885
736.125	97.4206	71887
736.25	94.8201	71889
736.375	94.5785	71890
736.5	96.4212	71892
736.625	98.3905	71893
736.75	99.7062	71895
736.875	100.584	71896
737	101.248	71898
737.125	100.801	71899
737.25	98.815	71901
737.375	96.6357	71903
737.5	95.7586	71904
737.625	96.0155	71906
737.75	97.3877	71907
737.875	98.0591	71909
738	98.0125	71910
738.125	97.4598	71912
738.25	98.6115	71913
738.375	100.437	71915
738.5	101.595	71917
738.625	100.809	71918
738.75	99.2601	71920
738.875	98.1451	71921
739	97.7168	71923
739.125	98.1457	71924
739.25	97.1461	71926
739.375	95.9894	71927
739.5	94.9595	71929
739.625	93.596	71931
739.75	92.0901	71932
739.875	91.9529	71934
740	93.7011	71935
740.125	95.4038	71937
740.25	95.848	71938
740.375	94.1575	71940
740.5	91.3344	71942
740.625	90.1024	71943
740.75	90.7924	71945
740.875	93.7207	71946

741	95.725	71948
741.125	96.0478	71949
741.25	94.4283	71951
741.375	93.5684	71952
741.5	93.9126	71954
741.625	94.9901	71956
741.75	94.4731	71957
741.875	92.996	71959
742	91.7249	71960
742.125	91.3419	71962
742.25	91.9424	71963
742.375	94.1333	71965
742.5	96.5905	71966
742.625	97.4452	71968
742.75	96.0793	71970
742.875	94.6869	71971
743	94.6427	71973
743.125	94.6776	71974
743.25	93.9011	71976
743.375	92.8752	71977
743.5	91.7321	71979
743.625	90.3737	71980
743.75	89.2616	71982
743.875	88.8688	71984
744	89.1141	71985
744.125	89.4902	71987
744.25	90.4186	71988
744.375	92.9504	71990
744.5	95.0742	71991
744.625	95.8915	71993
744.75	95.0338	71994
744.875	94.1492	71996
745	93.5576	71998
745.125	93.017	71999
745.25	92.2794	72001
745.375	90.9375	72002
745.5	89.7693	72004
745.625	89.4132	72005
745.75	90.3442	72007
745.875	89.0103	72008
746	85.4198	72010
746.125	80.5118	72012
746.25	80.5093	72013
746.375	83.4417	72015
746.5	87.8502	72016
746.625	89.6218	72018

746.75	90.2105	72019
746.875	89.9674	72021
747	89.7309	72023
747.125	90.5014	72024
747.25	93.0874	72026
747.375	95.8684	72027
747.5	97.846	72029
747.625	98.4795	72030
747.75	98.6381	72032
747.875	97.2504	72033
748	95.2185	72035
748.125	94.1622	72037
748.25	95.7807	72038
748.375	97.3636	72040
748.5	98.1778	72042
748.625	97.3269	72044
748.75	95.614	72045
748.875	93.2313	72047
749	91.9841	72049
749.125	91.8057	72050
749.25	93.2302	72052
749.375	95.9722	72054
749.5	99.3653	72056
749.625	102.38	72057
749.75	103.665	72059
749.875	104.546	72061
750	104.752	72063
750.125	103.738	72064
750.25	100.564	72066
750.375	97.6389	72068
750.5	95.8225	72070
750.625	94.3882	72071
750.75	91.977	72073
750.875	89.8362	72075
751	89.2802	72076
751.125	90.62	72078
751.25	92.104	72080
751.375	92.3566	72082
751.5	89.5572	72083
751.625	85.8073	72085
751.75	84.0537	72087
751.875	84.1179	72089
752	84.6617	72090
752.125	84.3324	72092
752.25	84.1463	72094
752.375	84.2934	72095

752.5	85.2385	72097
752.625	87.2316	72099
752.75	91.3128	72101
752.875	95.974	72102
753	99.5005	72104
753.125	99.7391	72106
753.25	98.3912	72108
753.375	97.8732	72109
753.5	95.9355	72111
753.625	94.044	72113
753.75	93.7406	72115
753.875	94.101	72116
754	95.8154	72118
754.125	98.8424	72120
754.25	98.857	72121
754.375	96.3937	72123
754.5	91.8181	72125
754.625	90.668	72127
754.75	91.5888	72128
754.875	92.8942	72130
755	93.6343	72132
755.125	93.7673	72134
755.25	93.1649	72135
755.375	92.2968	72137
755.5	91.8769	72139
755.625	93.0267	72140
755.75	94.5376	72142
755.875	95.503	72144
756	95.0774	72146
756.125	94.8919	72147
756.25	93.6248	72149
756.375	91.3837	72151
756.5	84.4587	72153
756.625	80.0699	72154
756.75	76.6019	72156
756.875	74.6984	72158
757	74.3787	72160
757.125	74.785	72161
757.25	74.9161	72163
757.375	75.2953	72165
757.5	75.3637	72166
757.625	75.0681	72168
757.75	75.4938	72170
757.875	77.0235	72172
758	81.0611	72173
758.125	84.8363	72175

758.25	87.1295	72177
758.375	88.8788	72179
758.5	91.2613	72180
758.625	92.3793	72182
758.75	90.6176	72184
758.875	88.676	72185
759	87.8104	72187
759.125	87.2143	72189
759.25	86.291	72191
759.375	84.5512	72192
759.5	83.4124	72194
759.625	82.6505	72196
759.75	82.0803	72198
759.875	81.8365	72199
760	83.4413	72201
760.125	87.2161	72203
760.25	91.0285	72205
760.375	93.2712	72206
760.5	94.6299	72208
760.625	96.3985	72210
760.75	92.842	72211
760.875	88.1473	72213
761	83.7085	72215
761.125	81.6346	72217
761.25	80.7893	72218
761.375	81.4696	72220
761.5	83.1826	72222
761.625	84.0953	72224
761.75	82.0988	72225
761.875	78.6171	72227
762	76.3662	72229
762.125	78.3527	72231
762.25	84.4907	72232
762.375	92.1788	72234
762.5	100.747	72236
762.625	103.347	72238
762.75	102.282	72240
762.875	97.4522	72242
763	92.6577	72244
763.125	89.7652	72246
763.25	89.2847	72248
763.375	89.4986	72250
763.5	89.1124	72251
763.625	88.3659	72253
763.75	88.9552	72255
763.875	92.3604	72257

764	94.3337	72259
764.125	94.2224	72261
764.25	93.0451	72263
764.375	93.1996	72265
764.5	95.9148	72267
764.625	98.9992	72269
764.75	101.229	72271
764.875	101.913	72273
765	100.365	72275
765.125	97.907	72276
765.25	95.6479	72278
765.375	95.995	72280
765.5	97.3861	72282
765.625	97.6383	72284
765.75	97.4973	72286
765.875	98.6913	72288
766	101.169	72290
766.125	102.769	72292
766.25	101.822	72294
766.375	100.139	72296
766.5	99.5446	72298
766.625	98.2881	72299
766.75	96.1318	72301
766.875	94.4545	72303
767	95.376	72305
767.125	98.5483	72307
767.25	101.744	72309
767.375	101.781	72311
767.5	99.8285	72313
767.625	97.1312	72315
767.75	95.9081	72317
767.875	95.7351	72319
768	95.4042	72321
768.125	92.8923	72322
768.25	89.8445	72324
768.375	88.6311	72326
768.5	90.0263	72328
768.625	91.5372	72330
768.75	90.5476	72332
768.875	89.1552	72334
769	89.3776	72336
769.125	91.6333	72338
769.25	93.4845	72340
769.375	93.7869	72342
769.5	93.2038	72344
769.625	92.3402	72346

769.75	90.8166	72347
769.875	90.2966	72349
770	90.7997	72351
770.125	92.0858	72353
770.25	92.9013	72355
770.375	93.6149	72357
770.5	94.1595	72359
770.625	94.4199	72361
770.75	94.7845	72363
770.875	95.9954	72365
771	98.0931	72367
771.125	101.936	72369
771.25	104.844	72370
771.375	105.747	72372
771.5	103.405	72374
771.625	101.335	72376
771.75	100.618	72378
771.875	101.095	72380
772	101.583	72382
772.125	102.047	72384
772.25	101.473	72386
772.375	100.159	72388
772.5	98.4176	72390
772.625	98.764	72392
772.75	100.097	72393
772.875	100.041	72395
773	98.0014	72397
773.125	96.0574	72399
773.25	94.5997	72401
773.375	90.486	72403
773.5	85.1159	72405
773.625	81.5332	72407
773.75	80.7643	72409
773.875	80.1497	72411
774	79.66	72413
774.125	80.2545	72415
774.25	82.8991	72417
774.375	85.1588	72418
774.5	86.3935	72420
774.625	86.8222	72422
774.75	86.5266	72424
774.875	85.9592	72426
775	85.0803	72428
775.125	85.1496	72430
775.25	85.9426	72432
775.375	87.7845	72434

775.5	89.713	72435
775.625	91.6508	72437
775.75	93.3789	72439
775.875	94.1979	72441
776	92.8678	72443
776.125	91.501	72444
776.25	90.9845	72446
776.375	89.241	72448
776.5	87.9235	72450
776.625	87.5886	72452
776.75	88.9357	72453
776.875	89.9126	72455
777	90.5689	72457
777.125	91.8511	72459
777.25	93.0027	72461
777.375	92.1437	72462
777.5	89.4661	72464
777.625	86.9159	72466
777.75	85.9358	72468
777.875	85.0992	72470
778	84.1331	72471
778.125	84.3823	72473
778.25	86.3691	72475
778.375	87.9866	72477
778.5	87.7807	72479
778.625	87.0811	72480
778.75	86.3458	72482
778.875	84.9418	72484
779	83.3115	72486
779.125	84.2661	72487
779.25	85.0267	72489
779.375	84.6225	72491
779.5	82.7067	72493
779.625	82.1939	72495
779.75	83.5255	72496
779.875	87.8367	72498
780	92.0481	72500
780.125	95.0264	72502
780.25	94.2204	72504
780.375	91.4061	72505
780.5	87.4066	72507
780.625	85.1451	72509
780.75	86.4526	72511
780.875	89.4673	72513
781	89.4386	72514
781.125	90.2988	72516

781.25	91.1937	72518
781.375	91.9101	72520
781.5	91.2458	72522
781.625	88.2701	72523
781.75	85.4889	72525
781.875	85.4848	72527
782	87.9558	72529
782.125	91.2421	72531
782.25	94.0683	72532
782.375	95.3185	72534
782.5	94.7822	72536
782.625	93.9906	72538
782.75	95.8	72540
782.875	98.2796	72541
783	99.0946	72543
783.125	96.1154	72545
783.25	91.0215	72547
783.375	88.3733	72549
783.5	88.7936	72550
783.625	92.0431	72552
783.75	95.2466	72554
783.875	97.2953	72556
784	97.1021	72557
784.125	95.6251	72559
784.25	94.4319	72561
784.375	94.9146	72563
784.5	96.4149	72565
784.625	97.5017	72566
784.75	97.7063	72568
784.875	100.872	72570
785	106.59	72572
785.125	112.983	72574
785.25	117.392	72575
785.375	117.219	72577
785.5	112.486	72579
785.625	106.272	72581
785.75	100.117	72583
785.875	96.6921	72584
786	94.8066	72586
786.125	93.9217	72588
786.25	92.6894	72590
786.375	91.4994	72592
786.5	90.8422	72593
786.625	89.713	72595
786.75	86.8825	72597
786.875	83.3456	72599

787	80.8909	72601
787.125	81.0824	72602
787.25	82.811	72604
787.375	84.3867	72606
787.5	86.3005	72608
787.625	89.231	72610
787.75	92.3054	72611
787.875	94.8181	72613
788	96.6197	72615
788.125	98.6352	72617
788.25	100.468	72619
788.375	101.127	72620
788.5	100.003	72622
788.625	98.8138	72624
788.75	98.2772	72626
788.875	98.2831	72627
789	96.7851	72629
789.125	94.9713	72631
789.25	94.4296	72633
789.375	94.4638	72634
789.5	94.1376	72636
789.625	94.0855	72637
789.75	95.8323	72639
789.875	97.5183	72640
790	98.8595	72642
790.125	100.017	72644
790.25	100.835	72645
790.375	100.302	72647
790.5	98.9874	72648
790.625	96.8764	72650
790.75	97.5398	72652
790.875	100.168	72653
791	103.242	72655
791.125	102.229	72656
791.25	99.5965	72658
791.375	96.6664	72660
791.5	93.9258	72661
791.625	91.6307	72663
791.75	91.2649	72664
791.875	91.7312	72666
792	92.2264	72668
792.125	92.8345	72669
792.25	93.7948	72671
792.375	94.3148	72672
792.5	92.7283	72674
792.625	90.6834	72676

792.75	90.051	72677
792.875	90.391	72679
793	90.5505	72680
793.125	89.395	72682
793.25	88.6359	72684
793.375	86.4839	72685
793.5	84.9586	72687
793.625	85.7633	72688
793.75	86.9805	72690
793.875	86.5054	72692
794	85.6651	72693
794.125	85.9498	72695
794.25	86.8796	72696
794.375	87.9105	72698
794.5	90.1082	72700
794.625	93.0356	72701
794.75	95.4831	72703
794.875	93.8975	72704
795	90.4637	72706
795.125	86.5576	72707
795.25	85.2229	72709
795.375	85.5333	72711
795.5	86.3883	72712
795.625	85.6592	72714
795.75	84.4644	72715
795.875	84.192	72717
796	85.542	72719
796.125	87.4045	72720
796.25	89.2971	72722
796.375	90.6643	72723
796.5	90.3071	72725
796.625	88.0282	72727
796.75	85.8967	72728
796.875	84.7749	72730
797	83.4692	72731
797.125	81.7064	72733
797.25	80.66	72735
797.375	81.7008	72736
797.5	82.8749	72738
797.625	82.1508	72739
797.75	80.423	72741
797.875	78.78	72743
798	80.3955	72744
798.125	84.0431	72746
798.25	90.0834	72747
798.375	95.812	72749

798.5	100.355	72751
798.625	102.727	72752
798.75	103.274	72754
798.875	103.214	72755
799	102.563	72757
799.125	102.704	72759
799.25	103.383	72760
799.375	102.567	72762
799.5	100.263	72763
799.625	96.3744	72765
799.75	93.2085	72767
799.875	90.0423	72768
800	89.6017	72770
800.125	86.1809	72771
800.25	83.0574	72773
800.375	82.5655	72774
800.5	86.9689	72776
800.625	92.7094	72778
800.75	96.5995	72779
800.875	98.4067	72781
801	97.7264	72782
801.125	95.9335	72784
801.25	94.4612	72786
801.375	92.789	72787
801.5	91.341	72789
801.625	89.5827	72790
801.75	87.8131	72792
801.875	86.469	72794
802	84.9909	72795
802.125	83.5199	72797
802.25	83.9145	72798
802.375	85.643	72800
802.5	87.7397	72802
802.625	88.3077	72803
802.75	86.2135	72805
802.875	83.9759	72806
803	83.0035	72808
803.125	83.7608	72810
803.25	85.345	72811
803.375	85.9083	72813
803.5	88.2065	72814
803.625	90.6959	72816
803.75	92.3843	72818
803.875	91.6744	72819
804	89.8454	72821
804.125	87.3179	72822

804.25	86.1412	72824
804.375	86.5922	72826
804.5	89.4357	72827
804.625	91.0615	72829
804.75	90.1644	72830
804.875	87.2475	72832
805	88.0233	72834
805.125	91.0342	72835
805.25	95.2895	72837
805.375	89.2099	72838
805.5	85.6455	72840
805.625	84.8254	72841
805.75	85.9765	72843
805.875	89.2208	72845
806	91.694	72846
806.125	92.1599	72848
806.25	89.1812	72849
806.375	86.0281	72851
806.5	84.3464	72853
806.625	85.8252	72854
806.75	92.6715	72856
806.875	104.704	72857
807	107.316	72859
807.125	113.286	72861
807.25	113.742	72863
807.375	106.673	72865
807.5	99.3573	72867
807.625	95.4463	72869
807.75	94.7783	72871
807.875	95.3371	72873
808	97.4312	72875
808.125	100.615	72877
808.25	103.833	72879
808.375	107.075	72881
808.5	109.041	72883
808.625	109.058	72886
808.75	105.278	72888
808.875	101.378	72890
809	100.483	72892
809.125	101.461	72894
809.25	100.871	72896
809.375	91.623	72898
809.5	88.1396	72900
809.625	87.6306	72902
809.75	90.5799	72904
809.875	91.462	72906

810 90.2661 72908

Th

input data			output data			
depth (m)	Th (ppm)	age (ka)	depth (m)	CDMR	age (ka)	CDMR
625	4.455	70384	628.625	1.51E-15	70419	1.51E-15
625.125	4.153	70385	630.5	-0.0284	70443	-0.0284
625.25	3.962	70386	631.875	-0.03224	70462	-0.03224
625.375	3.654	70388	633.625	-0.03032	70486	-0.03032
625.5	3.33	70389	634.875	-0.02896	70504	-0.02896
625.625	3.245	70390	636.75	-0.02412	70529	-0.02412
625.75	3.384	70391	637.875	-0.02484	70545	-0.02484
625.875	3.67	70392	640	-0.02086	70574	-0.02086
626	4.071	70394	642.75	-0.01986	70612	-0.01986
626.125	4.839	70395	644	-0.01794	70630	-0.01794
626.25	6.529	70396	644.625	-0.0131	70642	-0.0131
626.375	8.396	70397	645.125	0.009095	70651	0.009095
626.5	9.732	70399	647.125	0.027822	70689	0.027822
626.625	10.373	70400	648.375	0.049474	70712	0.049474
626.75	11.185	70401	650	0.069409	70742	0.069409
626.875	12.239	70402	651.125	0.089525	70763	0.089525
627	13.455	70403	652.375	0.110236	70786	0.110236
627.125	14.173	70405	653.5	0.130172	70807	0.130172
627.25	14.577	70406	655.875	0.150883	70850	0.150883
627.375	14.526	70407	657.25	0.169933	70874	0.169933
627.5	14.351	70408	659.5	0.186925	70913	0.186925
627.625	13.868	70409	661	0.203515	70939	0.203515
627.75	13.003	70411	663.75	0.220106	70986	0.220106
627.875	12.011	70412	665.5	0.235878	71017	0.235878
628	10.977	70413	667.25	0.25371	71043	0.25371
628.125	10.791	70414	668.125	0.260685	71054	0.260685
628.25	10.178	70415	670.25	0.255422	71082	0.255422
628.375	9.86	70417	670.75	0.253813	71088	0.253813
628.5	9.772	70418	671.25	0.244762	71095	0.244762
628.625	9.869	70419	672.625	0.247617	71113	0.247617
628.75	9.918	70420	675.375	0.245511	71148	0.245511
628.875	10.583	70422	677.25	0.241222	71173	0.241222
629	11.229	70423	679.375	0.240505	71200	0.240505
629.125	11.56	70424	681.875	0.236084	71233	0.236084
629.25	11.691	70426	684.75	0.23461	71267	0.23461
629.375	11.608	70428	686.75	0.224334	71290	0.224334
629.5	11.242	70429	687.625	0.21166	71300	0.21166
629.625	10.137	70431	688.625	0.198443	71312	0.198443
629.75	8.259	70433	691	0.189393	71340	0.189393
629.875	6.468	70435	693.125	0.178854	71364	0.178854
630	5.371	70436	694.625	0.164596	71382	0.164596

630.125	4.963	70438	696.875	0.155545	71408	0.155545
630.25	4.541	70440	697.25	0.14329	71412	0.14329
630.375	4.488	70442	699	0.123823	71433	0.123823
630.5	5.025	70443	700.625	0.114772	71452	0.114772
630.625	5.792	70445	701.625	0.103529	71465	0.103529
630.75	6.578	70447	703.25	0.100889	71485	0.100889
630.875	7.128	70448	704.375	0.093922	71499	0.093922
631	7.829	70450	705.25	0.087848	71509	0.087848
631.125	8.12	70452	707	0.07463	71531	0.07463
631.25	7.814	70454	708.375	0.069368	71548	0.069368
631.375	7.221	70455	709.5	0.062769	71562	0.062769
631.5	6.52	70457	711.75	0.056694	71590	0.056694
631.625	5.586	70459	714.125	0.05062	71619	0.05062
631.75	5.136	70460	716.25	0.043007	71645	0.043007
631.875	5.234	70462	717.25	0.035559	71657	0.035559
632	5.92	70464	718.875	0.026508	71677	0.026508
632.125	6.65	70466	720	0.019541	71690	0.019541
632.25	8.009	70467	722.625	0.007286	71722	0.007286
632.375	9.33	70469	723.5	-0.00046	71733	-0.00046
632.5	10.027	70471	724.625	-0.00572	71746	-0.00572
632.625	10.137	70473	727.375	-0.01798	71780	-0.01798
632.75	10.019	70474	731.25	-0.02458	71827	-0.02458
632.875	9.914	70476	733.375	-0.03274	71853	-0.03274
633	9.072	70478	735.5	-0.04019	71879	-0.04019
633.125	8.561	70479	737.25	-0.04764	71901	-0.04764
633.25	8.247	70481	739.25	-0.0529	71926	-0.0529
633.375	8.203	70483	741.25	-0.05862	71951	-0.05862
633.5	7.846	70485	742.125	-0.06434	71962	-0.06434
633.625	9.12	70486	743.75	-0.0696	71982	-0.0696
633.75	10.77	70488	745.25	-0.07657	72001	-0.07657
633.875	12.862	70490	746.375	-0.08123	72015	-0.08123
634	14.212	70492	748.125	-0.0873	72037	-0.0873
634.125	14.822	70493	750.5	-0.09257	72070	-0.09257
634.25	15.607	70495	752.625	-0.09025	72099	-0.09025
634.375	14.548	70497	754.75	-0.08925	72128	-0.08925
634.5	11.936	70498	756.5	-0.08824	72153	-0.08824
634.625	9.053	70500	759.375	-0.08396	72192	-0.08396
634.75	8.059	70502	760.5	-0.08339	72208	-0.08339
634.875	8.553	70504	762.125	-0.07942	72231	-0.07942
635	9.824	70505	763.625	-0.07579	72253	-0.07579
635.125	10.536	70507	765.75	-0.06969	72286	-0.06969
635.25	10.965	70509	768.5	-0.0598	72328	-0.0598
635.375	11.402	70510	770.625	-0.05099	72361	-0.05099
635.5	12.197	70512	773.375	-0.0411	72403	-0.0411
635.625	12.927	70514	774.375	-0.0323	72418	-0.0323
635.75	13.291	70516	775.875	-0.02468	72441	-0.02468

635.875	13.326	70517	776.25	-0.01562	72446	-0.01562
636	12.903	70519	776.625	-0.01633	72452	-0.01633
636.125	11.921	70521	778.5	-0.00455	72479	-0.00455
636.25	10.867	70523	780.875	0.000289	72513	0.000289
636.375	10.12	70524	781.125	0.004719	72516	0.004719
636.5	9.532	70526	781.75	-0.00433	72525	-0.00433
636.625	8.885	70528	783.625	0.000507	72552	0.000507
636.75	8.934	70529	786.25	0.005345	72590	0.005345
636.875	9.318	70531	787.5	0.010549	72608	0.010549
637	9.667	70533	789.375	0.015388	72634	0.015388
637.125	9.83	70535	790.75	0.017556	72652	0.017556
637.25	9.905	70536	792.75	0.01545	72677	0.01545
637.375	9.508	70538	795.75	0.009733	72715	0.009733
637.5	8.816	70540	797	0.005068	72731	0.005068
637.625	8.298	70542	799.25	0.001226	72760	0.001226
637.75	8.246	70543	800.625	-0.00208	72778	-0.00208
637.875	8.566	70545	801.625	-0.00418	72790	-0.00418
638	9.016	70547	804.125	-0.01323	72822	-0.01323
638.125	10.139	70548	805.375	-0.01708	72838	-0.01708
638.25	11.198	70550	806.875	-0.02092	72857	-0.02092
638.375	11.843	70552	808.75	-0.02558	72888	-0.02558
638.5	12.082	70554	809.375	-0.01178	72898	-0.01178
638.625	11.971	70555				
638.75	11.522	70557				
638.875	10.979	70559				
639	10.617	70560				
639.125	10.111	70562				
639.25	9.801	70564				
639.375	9.523	70566				
639.5	9.351	70567				
639.625	9.301	70569				
639.75	9.252	70571				
639.875	9.237	70573				
640	9.268	70574				
640.125	9.361	70576				
640.25	9.615	70578				
640.375	10.069	70579				
640.5	11.205	70581				
640.625	12.515	70583				
640.75	13.046	70585				
640.875	13.957	70586				
641	14.568	70588				
641.125	15.064	70590				
641.25	15.15	70592				
641.375	14.266	70593				
641.5	13.285	70595				

641.625	12.8	70597
641.75	12.434	70598
641.875	12.129	70600
642	11.889	70602
642.125	11.599	70604
642.25	11.599	70605
642.375	11.599	70607
642.5	11.599	70609
642.625	11.599	70610
642.75	11.612	70612
642.875	11.457	70614
643	11.457	70616
643.125	11.457	70617
643.25	11.457	70619
643.375	11.457	70621
643.5	11.376	70623
643.625	11.154	70624
643.75	10.952	70626
643.875	10.866	70628
644	11.101	70630
644.125	11.484	70633
644.25	11.803	70635
644.375	11.92	70637
644.5	11.89	70640
644.625	11.91	70642
644.75	11.477	70644
644.875	11.198	70647
645	11.075	70649
645.125	11.133	70651
645.25	11.275	70654
645.375	11.458	70656
645.5	11.675	70658
645.625	11.781	70661
645.75	12.045	70663
645.875	12.685	70665
646	13.408	70668
646.125	14.377	70670
646.25	15.23	70672
646.375	15.884	70675
646.5	15.979	70677
646.625	15.966	70679
646.75	15.907	70682
646.875	15.891	70684
647	15.859	70686
647.125	16.082	70689
647.25	16.455	70691

647.375	16.953	70693
647.5	17.327	70696
647.625	17.428	70698
647.75	17.347	70700
647.875	17.171	70703
648	16.969	70705
648.125	16.901	70707
648.25	16.889	70710
648.375	16.979	70712
648.5	17.206	70714
648.625	17.452	70717
648.75	17.492	70719
648.875	17.232	70721
649	16.836	70724
649.125	16.417	70726
649.25	15.805	70728
649.375	15.182	70731
649.5	14.705	70733
649.625	14.46	70735
649.75	14.317	70738
649.875	14.126	70740
650	14.571	70742
650.125	15.098	70744
650.25	15.926	70747
650.375	16.212	70749
650.5	16.379	70751
650.625	16.195	70754
650.75	15.852	70756
650.875	15.545	70758
651	15.123	70761
651.125	15.183	70763
651.25	15.17	70765
651.375	14.809	70768
651.5	14.328	70770
651.625	13.514	70772
651.75	12.276	70775
651.875	11.152	70777
652	10.562	70779
652.125	10.282	70782
652.25	10.127	70784
652.375	10.35	70786
652.5	10.802	70789
652.625	11.259	70791
652.75	11.628	70793
652.875	12.007	70796
653	12.363	70798

653.125	12.313	70800
653.25	12.032	70803
653.375	11.765	70805
653.5	11.901	70807
653.625	12.26	70810
653.75	12.797	70812
653.875	13.24	70814
654	13.558	70817
654.125	13.779	70819
654.25	13.842	70821
654.375	13.758	70824
654.5	13.528	70826
654.625	13.242	70828
654.75	12.969	70831
654.875	12.815	70833
655	12.69	70835
655.125	12.488	70837
655.25	12.247	70839
655.375	11.854	70841
655.5	11.298	70844
655.625	10.986	70846
655.75	10.875	70848
655.875	10.957	70850
656	11.163	70852
656.125	11.626	70854
656.25	11.991	70857
656.375	12.245	70859
656.5	12.081	70861
656.625	11.482	70863
656.75	10.666	70865
656.875	9.964	70867
657	9.632	70870
657.125	9.616	70872
657.25	9.919	70874
657.375	10.479	70876
657.5	11.066	70878
657.625	11.496	70880
657.75	11.761	70883
657.875	11.895	70885
658	11.811	70887
658.125	11.65	70889
658.25	11.489	70891
658.375	11.423	70893
658.5	11.382	70896
658.625	11.376	70898
658.75	11.276	70900

658.875	11.138	70902
659	11.053	70904
659.125	10.976	70906
659.25	10.87	70908
659.375	10.829	70911
659.5	10.876	70913
659.625	11.013	70915
659.75	11.253	70917
659.875	11.897	70919
660	12.869	70921
660.125	13.159	70924
660.25	12.937	70926
660.375	12.542	70928
660.5	11.848	70930
660.625	11.135	70932
660.75	10.772	70934
660.875	10.673	70937
661	10.846	70939
661.125	11.281	70941
661.25	11.799	70943
661.375	12.196	70945
661.5	12.791	70947
661.625	13.676	70950
661.75	14.771	70952
661.875	15.508	70954
662	16.308	70956
662.125	16.678	70958
662.25	16.3	70960
662.375	15.084	70963
662.5	14.339	70965
662.625	13.863	70967
662.75	13.375	70969
662.875	12.821	70971
663	12.42	70973
663.125	12.262	70976
663.25	12.186	70978
663.375	12.02	70980
663.5	11.79	70982
663.625	11.749	70984
663.75	11.806	70986
663.875	11.904	70988
664	12.024	70991
664.125	12.278	70993
664.25	12.953	70995
664.375	13.795	70997
664.5	14.922	70999

664.625	16.317	71001
664.75	17.321	71004
664.875	17.543	71006
665	17.464	71008
665.125	17.301	71010
665.25	16.988	71012
665.375	16.927	71014
665.5	16.987	71017
665.625	16.887	71019
665.75	16.835	71021
665.875	16.532	71023
666	16.137	71025
666.125	15.872	71027
666.25	15.851	71029
666.375	15.595	71031
666.5	15.209	71033
666.625	14.775	71034
666.75	14.645	71036
666.875	14.531	71038
667	14.44	71039
667.125	14.375	71041
667.25	14.505	71043
667.375	14.75	71044
667.5	14.741	71046
667.625	13.702	71047
667.75	12.137	71049
667.875	10.898	71051
668	10.768	71052
668.125	11.043	71054
668.25	11.31	71056
668.375	11.835	71057
668.5	12.794	71059
668.625	13.591	71060
668.75	13.844	71062
668.875	13.884	71064
669	13.92	71065
669.125	13.988	71067
669.25	14.06	71069
669.375	13.976	71070
669.5	13.373	71072
669.625	12.635	71073
669.75	12.231	71075
669.875	12.021	71077
670	11.826	71078
670.125	11.5	71080
670.25	11.516	71082

670.375	11.664	71083
670.5	11.723	71085
670.625	11.715	71086
670.75	11.73	71088
670.875	11.786	71090
671	11.818	71091
671.125	11.74	71093
671.25	11.753	71095
671.375	11.458	71096
671.5	10.931	71098
671.625	10.583	71099
671.75	10.391	71101
671.875	10.088	71103
672	9.78	71104
672.125	9.558	71106
672.25	9.237	71108
672.375	8.709	71109
672.5	8.26	71111
672.625	8.37	71113
672.75	8.473	71114
672.875	8.9	71116
673	9.858	71117
673.125	10.981	71119
673.25	12.587	71121
673.375	14.219	71122
673.5	15.29	71124
673.625	15.354	71126
673.75	14.884	71127
673.875	13.587	71129
674	12.306	71130
674.125	11.38	71132
674.25	10.953	71134
674.375	10.686	71135
674.5	10.583	71137
674.625	10.076	71139
674.75	9.196	71140
674.875	8.343	71142
675	7.869	71143
675.125	7.314	71145
675.25	7.038	71147
675.375	7.272	71148
675.5	7.725	71150
675.625	8.34	71152
675.75	9.718	71153
675.875	11.092	71155
676	11.576	71156

676.125	11.553	71158
676.25	11.384	71160
676.375	10.646	71161
676.5	9.687	71163
676.625	8.926	71165
676.75	8.229	71166
676.875	7.625	71168
677	7.302	71169
677.125	7.197	71171
677.25	7.215	71173
677.375	7.462	71174
677.5	7.994	71176
677.625	8.485	71178
677.75	8.838	71179
677.875	9.045	71181
678	9.282	71183
678.125	9.272	71184
678.25	8.934	71186
678.375	8.064	71187
678.5	7.412	71189
678.625	7.011	71191
678.75	6.57	71192
678.875	6.116	71194
679	5.845	71196
679.125	5.7	71197
679.25	5.687	71199
679.375	5.775	71200
679.5	6.059	71202
679.625	6.612	71204
679.75	7.254	71205
679.875	7.91	71207
680	8.558	71209
680.125	9.071	71210
680.25	9.289	71212
680.375	9.42	71213
680.5	9.519	71215
680.625	9.186	71217
680.75	8.667	71218
680.875	8.231	71220
681	7.832	71222
681.125	7.297	71223
681.25	6.783	71225
681.375	6.4	71226
681.5	6.12	71228
681.625	5.959	71230
681.75	5.909	71231

681.875	6.047	71233
682	6.216	71235
682.125	6.358	71236
682.25	6.461	71238
682.375	6.648	71239
682.5	6.838	71241
682.625	7.017	71242
682.75	7.32	71244
682.875	7.731	71245
683	8.196	71247
683.125	8.661	71248
683.25	9.115	71249
683.375	9.69	71251
683.5	10.368	71252
683.625	11.119	71254
683.75	11.635	71255
683.875	11.892	71257
684	11.704	71258
684.125	11.242	71260
684.25	10.586	71261
684.375	9.881	71263
684.5	9.263	71264
684.625	8.935	71265
684.75	8.99	71267
684.875	9.338	71268
685	9.732	71270
685.125	9.984	71271
685.25	10.135	71273
685.375	10.237	71274
685.5	10.286	71276
685.625	10.338	71277
685.75	10.428	71278
685.875	10.591	71280
686	10.67	71281
686.125	10.531	71283
686.25	10.313	71284
686.375	10.211	71286
686.5	10.185	71287
686.625	10.17	71289
686.75	10.256	71290
686.875	10.442	71292
687	10.647	71293
687.125	10.513	71294
687.25	10.017	71296
687.375	9.543	71297
687.5	9.506	71299

687.625	9.75	71300
687.75	10.346	71302
687.875	10.931	71303
688	11.496	71305
688.125	12.123	71306
688.25	12.341	71308
688.375	12.035	71309
688.5	11.354	71310
688.625	11.394	71312
688.75	11.885	71313
688.875	12.718	71315
689	12.939	71316
689.125	13.032	71318
689.25	12.807	71319
689.375	12.429	71321
689.5	11.868	71322
689.625	11.127	71324
689.75	10.406	71325
689.875	9.767	71326
690	8.832	71328
690.125	7.914	71329
690.25	7.68	71331
690.375	7.136	71332
690.5	6.852	71334
690.625	6.802	71335
690.75	6.7	71337
690.875	6.684	71338
691	8.434	71340
691.125	11.04	71341
691.25	13.123	71342
691.375	13.299	71344
691.5	13.185	71345
691.625	13.145	71347
691.75	13.015	71348
691.875	12.308	71350
692	10.782	71351
692.125	9.666	71353
692.25	9.078	71354
692.375	8.232	71356
692.5	7.363	71357
692.625	6.85	71358
692.75	6.634	71360
692.875	6.482	71361
693	6.365	71363
693.125	6.628	71364
693.25	7.19	71366

693.375	8.158	71367
693.5	8.589	71369
693.625	8.803	71370
693.75	9.065	71371
693.875	9.28	71373
694	9.374	71374
694.125	9.365	71376
694.25	9.298	71377
694.375	9.141	71379
694.5	9.065	71380
694.625	9.136	71382
694.75	9.251	71383
694.875	9.412	71385
695	9.656	71386
695.125	10.084	71387
695.25	10.477	71389
695.375	10.81	71390
695.5	11.045	71392
695.625	11.519	71393
695.75	12.571	71395
695.875	13.352	71396
696	13.652	71398
696.125	14.171	71399
696.25	12.814	71401
696.375	9.857	71402
696.5	6.17	71403
696.625	5.295	71405
696.75	5.246	71406
696.875	5.396	71408
697	5.422	71409
697.125	5.415	71411
697.25	7.494	71412
697.375	10.075	71414
697.5	11.728	71415
697.625	11.994	71417
697.75	12.257	71418
697.875	12.502	71419
698	12.47	71421
698.125	12.128	71422
698.25	11.578	71424
698.375	11.153	71425
698.5	10.705	71427
698.625	10.494	71428
698.75	10.387	71430
698.875	10.263	71431
699	10.284	71433

699.125	10.409	71434
699.25	10.901	71435
699.375	11.735	71437
699.5	12.746	71439
699.625	13.664	71440
699.75	14.244	71442
699.875	14.538	71443
700	14.549	71445
700.125	13.963	71446
700.25	13.233	71448
700.375	12.722	71449
700.5	12.605	71451
700.625	12.861	71452
700.75	13.198	71454
700.875	13.485	71455
701	13.618	71457
701.125	13.426	71459
701.25	13.148	71460
701.375	12.883	71462
701.5	12.796	71463
701.625	12.881	71465
701.75	13.478	71466
701.875	14.081	71468
702	14.655	71469
702.125	14.697	71471
702.25	14.307	71472
702.375	12.307	71474
702.5	11.537	71476
702.625	10.626	71477
702.75	9.432	71479
702.875	8.785	71480
703	8.405	71482
703.125	8.364	71483
703.25	8.528	71485
703.375	8.849	71486
703.5	9.257	71488
703.625	9.574	71489
703.75	9.737	71491
703.875	9.882	71493
704	10.025	71494
704.125	10.28	71496
704.25	10.28	71497
704.375	10.519	71499
704.5	10.794	71500
704.625	10.894	71502
704.75	10.839	71503

704.875	10.714	71505
705	10.613	71506
705.125	10.555	71508
705.25	10.695	71509
705.375	11.154	71511
705.5	11.92	71513
705.625	12.462	71514
705.75	12.775	71516
705.875	12.931	71517
706	12.636	71519
706.125	11.957	71520
706.25	11.345	71522
706.375	10.454	71523
706.5	9.412	71525
706.625	8.443	71526
706.75	7.827	71528
706.875	7.499	71530
707	7.519	71531
707.125	7.698	71533
707.25	8.025	71534
707.375	8.557	71536
707.5	9.092	71537
707.625	9.396	71539
707.75	9.163	71540
707.875	8.808	71542
708	8.395	71543
708.125	8.138	71545
708.25	7.834	71546
708.375	7.952	71548
708.5	8.361	71550
708.625	8.818	71551
708.75	8.893	71553
708.875	8.924	71554
709	8.781	71556
709.125	7.734	71557
709.25	6.47	71559
709.375	5.637	71560
709.5	5.66	71562
709.625	5.764	71563
709.75	5.98	71565
709.875	6.208	71567
710	6.418	71568
710.125	6.813	71570
710.25	7.34	71571
710.375	7.821	71573
710.5	7.989	71574

710.625	7.851	71576
710.75	7.198	71577
710.875	6.451	71579
711	6.069	71580
711.125	5.731	71582
711.25	5.513	71583
711.375	5.345	71585
711.5	5.167	71587
711.625	5.045	71588
711.75	5.161	71590
711.875	5.437	71591
712	5.926	71593
712.125	6.62	71594
712.25	6.989	71596
712.375	7.176	71597
712.5	7.22	71599
712.625	7.235	71600
712.75	7.165	71602
712.875	7.141	71604
713	7.014	71605
713.125	6.658	71607
713.25	5.914	71608
713.375	5.333	71610
713.5	5.138	71611
713.625	5.026	71613
713.75	4.872	71614
713.875	4.643	71616
714	4.57	71617
714.125	4.648	71619
714.25	4.834	71621
714.375	5.231	71622
714.5	5.799	71624
714.625	6.57	71625
714.75	7.296	71627
714.875	8.047	71628
715	8.386	71630
715.125	8.307	71631
715.25	7.495	71633
715.375	6.826	71634
715.5	6.302	71636
715.625	5.902	71637
715.75	5.455	71639
715.875	5.317	71641
716	4.988	71642
716.125	4.92	71644
716.25	4.965	71645

716.375	4.998	71647
716.5	4.959	71648
716.625	4.866	71650
716.75	4.664	71651
716.875	4.331	71653
717	3.886	71654
717.125	3.743	71656
717.25	3.777	71657
717.375	3.926	71659
717.5	4.183	71660
717.625	4.867	71662
717.75	5.854	71663
717.875	6.609	71665
718	6.579	71666
718.125	6.237	71668
718.25	5.854	71669
718.375	5.366	71671
718.5	4.859	71672
718.625	4.512	71674
718.75	4.476	71675
718.875	4.577	71677
719	4.697	71678
719.125	4.82	71680
719.25	4.927	71681
719.375	4.964	71683
719.5	4.811	71684
719.625	4.621	71686
719.75	4.485	71687
719.875	4.475	71689
720	4.525	71690
720.125	4.665	71692
720.25	4.771	71693
720.375	4.854	71695
720.5	4.948	71696
720.625	5.092	71698
720.75	5.202	71700
720.875	5.328	71701
721	5.505	71703
721.125	6.288	71704
721.25	7.837	71706
721.375	9.285	71707
721.5	9.759	71709
721.625	10.282	71710
721.75	10.525	71712
721.875	9.751	71713
722	8.76	71715

722.125	8.14	71716
722.25	7.511	71718
722.375	7.044	71719
722.5	6.848	71721
722.625	6.974	71722
722.75	7.143	71724
722.875	7.65	71725
723	8.417	71727
723.125	8.714	71728
723.25	7.89	71730
723.375	7.471	71731
723.5	7.83	71733
723.625	8.338	71734
723.75	8.831	71736
723.875	9.449	71737
724	9.966	71739
724.125	9.952	71740
724.25	9.682	71742
724.375	9.309	71743
724.5	9.061	71745
724.625	9.124	71746
724.75	9.423	71748
724.875	9.769	71749
725	10.234	71751
725.125	10.964	71752
725.25	11.758	71754
725.375	12.34	71755
725.5	12.649	71757
725.625	12.908	71758
725.75	13.13	71760
725.875	13.297	71761
726	13.406	71763
726.125	13.53	71765
726.25	13.621	71766
726.375	13.772	71768
726.5	14.009	71769
726.625	14.293	71771
726.75	14.111	71772
726.875	13.769	71774
727	13.463	71775
727.125	13.281	71777
727.25	13.255	71778
727.375	13.257	71780
727.5	13.534	71781
727.625	13.924	71783
727.75	14.369	71784

727.875	14.791	71786
728	15.229	71787
728.125	15.768	71789
728.25	16.41	71790
728.375	17.191	71792
728.5	17.657	71793
728.625	17.721	71795
728.75	17.549	71796
728.875	17.19	71798
729	16.66	71799
729.125	16.143	71801
729.25	15.798	71802
729.375	15.454	71804
729.5	14.983	71805
729.625	14.587	71807
729.75	14.355	71808
729.875	14.138	71810
730	13.898	71811
730.125	13.641	71813
730.25	13.381	71814
730.375	13.235	71816
730.5	13.088	71817
730.625	12.91	71819
730.75	12.709	71820
730.875	12.503	71822
731	12.385	71823
731.125	12.342	71825
731.25	12.43	71827
731.375	12.699	71828
731.5	13.102	71830
731.625	13.739	71831
731.75	14.798	71833
731.875	16.179	71834
732	17.44	71836
732.125	18.409	71837
732.25	18.858	71839
732.375	18.687	71840
732.5	18.01	71842
732.625	16.6	71843
732.75	14.965	71845
732.875	13.473	71846
733	12.243	71848
733.125	11.683	71850
733.25	11.651	71851
733.375	12.286	71853
733.5	13.217	71854

733.625	14.198	71856
733.75	15.211	71857
733.875	16.188	71859
734	16.764	71861
734.125	16.812	71862
734.25	16.468	71864
734.375	15.754	71865
734.5	14.928	71867
734.625	14.245	71868
734.75	13.6	71870
734.875	12.929	71871
735	12.408	71873
735.125	12.208	71875
735.25	12.03	71876
735.375	11.958	71878
735.5	12.202	71879
735.625	12.628	71881
735.75	13.214	71882
735.875	13.77	71884
736	14.133	71885
736.125	14.231	71887
736.25	14.043	71889
736.375	13.607	71890
736.5	12.724	71892
736.625	11.783	71893
736.75	11.008	71895
736.875	10.366	71896
737	9.844	71898
737.125	9.521	71899
737.25	9.651	71901
737.375	10.029	71903
737.5	10.744	71904
737.625	11.865	71906
737.75	13.087	71907
737.875	13.999	71909
738	14.497	71910
738.125	14.906	71912
738.25	14.769	71913
738.375	13.909	71915
738.5	12.824	71917
738.625	11.968	71918
738.75	11.089	71920
738.875	10.358	71921
739	9.899	71923
739.125	9.655	71924
739.25	9.79	71926

739.375	9.994	71927
739.5	10.308	71929
739.625	10.815	71931
739.75	11.488	71932
739.875	12.305	71934
740	13.278	71935
740.125	14.189	71937
740.25	14.461	71938
740.375	14.853	71940
740.5	15.075	71942
740.625	15.2	71943
740.75	14.637	71945
740.875	13.799	71946
741	13.051	71948
741.125	12.969	71949
741.25	13.001	71951
741.375	13.124	71952
741.5	13.413	71954
741.625	13.747	71956
741.75	13.956	71957
741.875	14.003	71959
742	13.99	71960
742.125	14.003	71962
742.25	14.175	71963
742.375	14.48	71965
742.5	15.08	71966
742.625	15.41	71968
742.75	15.267	71970
742.875	14.554	71971
743	13.682	71973
743.125	12.43	71974
743.25	11.191	71976
743.375	10.066	71977
743.5	9.711	71979
743.625	9.635	71980
743.75	10.212	71982
743.875	11.048	71984
744	11.876	71985
744.125	12.67	71987
744.25	13.138	71988
744.375	13.27	71990
744.5	12.728	71991
744.625	11.97	71993
744.75	11.259	71994
744.875	10.94	71996
745	10.802	71998

745.125	10.75	71999
745.25	10.864	72001
745.375	11.057	72002
745.5	11.215	72004
745.625	10.989	72005
745.75	10.641	72007
745.875	10.151	72008
746	9.758	72010
746.125	9.497	72012
746.25	9.455	72013
746.375	9.546	72015
746.5	9.763	72016
746.625	9.876	72018
746.75	9.93	72019
746.875	10.048	72021
747	10.207	72023
747.125	10.35	72024
747.25	10.584	72026
747.375	10.928	72027
747.5	11.279	72029
747.625	11.566	72030
747.75	11.702	72032
747.875	11.713	72033
748	11.68	72035
748.125	11.74	72037
748.25	12.057	72038
748.375	12.495	72040
748.5	13.027	72042
748.625	13.499	72044
748.75	14.161	72045
748.875	14.702	72047
749	14.951	72049
749.125	14.724	72050
749.25	14.507	72052
749.375	14.212	72054
749.5	13.917	72056
749.625	13.639	72057
749.75	13.395	72059
749.875	13.146	72061
750	12.893	72063
750.125	12.448	72064
750.25	11.905	72066
750.375	11.57	72068
750.5	11.667	72070
750.625	12.103	72071
750.75	12.864	72073

750.875	13.383	72075
751	13.537	72076
751.125	13.473	72078
751.25	13.339	72080
751.375	12.957	72082
751.5	11.709	72083
751.625	10.245	72085
751.75	9.154	72087
751.875	8.478	72089
752	7.837	72090
752.125	7.7	72092
752.25	7.6	72094
752.375	7.5	72095
752.5	7.4	72097
752.625	8.384	72099
752.75	11.826	72101
752.875	15.064	72102
753	16.706	72104
753.125	17.556	72106
753.25	18.079	72108
753.375	18.282	72109
753.5	17.546	72111
753.625	16.679	72113
753.75	16.404	72115
753.875	15.659	72116
754	14.511	72118
754.125	13.435	72120
754.25	12.521	72121
754.375	11.54	72123
754.5	10.563	72125
754.625	10.379	72127
754.75	10.41	72128
754.875	10.611	72130
755	10.806	72132
755.125	10.97	72134
755.25	11.133	72135
755.375	11.235	72137
755.5	11.261	72139
755.625	11.078	72140
755.75	10.811	72142
755.875	10.566	72144
756	10.413	72146
756.125	10.32	72147
756.25	10.085	72149
756.375	10.026	72151
756.5	11.031	72153

756.625	12.143	72154
756.75	12.625	72156
756.875	12.962	72158
757	13.43	72160
757.125	13.799	72161
757.25	13.884	72163
757.375	14.071	72165
757.5	14.269	72166
757.625	14.537	72168
757.75	14.751	72170
757.875	14.928	72172
758	15.078	72173
758.125	15.005	72175
758.25	14.881	72177
758.375	14.623	72179
758.5	13.886	72180
758.625	13.041	72182
758.75	11.993	72184
758.875	11.243	72185
759	10.757	72187
759.125	10.483	72189
759.25	10.358	72191
759.375	10.612	72192
759.5	10.902	72194
759.625	11	72196
759.75	11.007	72198
759.875	10.968	72199
760	10.763	72201
760.125	10.395	72203
760.25	10.181	72205
760.375	10.111	72206
760.5	10.117	72208
760.625	10.11	72210
760.75	9.691	72211
760.875	9.099	72213
761	8.527	72215
761.125	8.218	72217
761.25	7.987	72218
761.375	7.738	72220
761.5	7.405	72222
761.625	7.074	72224
761.75	6.681	72225
761.875	6.283	72227
762	6.246	72229
762.125	6.552	72231
762.25	7.822	72232

762.375	9.743	72234
762.5	11.532	72236
762.625	12.138	72238
762.75	12.211	72240
762.875	12.16	72242
763	11.989	72244
763.125	11.733	72246
763.25	11.444	72248
763.375	11.383	72250
763.5	11.345	72251
763.625	11.415	72253
763.75	11.572	72255
763.875	11.739	72257
764	11.838	72259
764.125	11.92	72261
764.25	12.025	72263
764.375	12.474	72265
764.5	13.225	72267
764.625	14.074	72269
764.75	14.322	72271
764.875	14.476	72273
765	14.645	72275
765.125	14.645	72276
765.25	14.539	72278
765.375	14.413	72280
765.5	14.329	72282
765.625	14.26	72284
765.75	14.428	72286
765.875	14.886	72288
766	15.666	72290
766.125	16.501	72292
766.25	17.232	72294
766.375	17.509	72296
766.5	17.708	72298
766.625	17.606	72299
766.75	16.831	72301
766.875	16.014	72303
767	15.204	72305
767.125	14.498	72307
767.25	13.931	72309
767.375	13.418	72311
767.5	12.661	72313
767.625	11.69	72315
767.75	10.94	72317
767.875	10.324	72319
768	9.791	72321

768.125	8.922	72322
768.25	8.409	72324
768.375	8.197	72326
768.5	8.742	72328
768.625	9.467	72330
768.75	10.279	72332
768.875	10.926	72334
769	11.41	72336
769.125	11.676	72338
769.25	11.918	72340
769.375	12.039	72342
769.5	11.951	72344
769.625	11.744	72346
769.75	11.509	72347
769.875	11.031	72349
770	10.382	72351
770.125	9.803	72353
770.25	9.429	72355
770.375	9.133	72357
770.5	9.084	72359
770.625	9.443	72361
770.75	10.007	72363
770.875	10.615	72365
771	11.536	72367
771.125	12.631	72369
771.25	13.738	72370
771.375	14.044	72372
771.5	14.227	72374
771.625	14.26	72376
771.75	14.075	72378
771.875	13.803	72380
772	13.451	72382
772.125	13.117	72384
772.25	12.678	72386
772.375	12.082	72388
772.5	11.424	72390
772.625	10.886	72392
772.75	10.324	72393
772.875	9.794	72395
773	9.374	72397
773.125	9.007	72399
773.25	8.811	72401
773.375	9.534	72403
773.5	10.483	72405
773.625	10.967	72407
773.75	10.878	72409

773.875	10.788	72411
774	10.664	72413
774.125	10.552	72415
774.25	10.496	72417
774.375	10.624	72418
774.5	10.752	72420
774.625	10.893	72422
774.75	11.149	72424
774.875	11.082	72426
775	10.808	72428
775.125	10.449	72430
775.25	10.185	72432
775.375	9.98	72434
775.5	9.794	72435
775.625	9.668	72437
775.75	9.626	72439
775.875	9.77	72441
776	9.931	72443
776.125	9.875	72444
776.25	9.883	72446
776.375	9.774	72448
776.5	9.755	72450
776.625	9.81	72452
776.75	9.879	72453
776.875	10.309	72455
777	11.016	72457
777.125	12.075	72459
777.25	12.879	72461
777.375	13.44	72462
777.5	13.6	72464
777.625	13.46	72466
777.75	13.066	72468
777.875	12.387	72470
778	11.462	72471
778.125	10.531	72473
778.25	9.712	72475
778.375	9.181	72477
778.5	9.227	72479
778.625	9.581	72480
778.75	10.202	72482
778.875	11.01	72484
779	12.215	72486
779.125	12.481	72487
779.25	12.693	72489
779.375	13.033	72491
779.5	13.319	72493

779.625	13.618	72495
779.75	14.06	72496
779.875	14.73	72498
780	14.952	72500
780.125	14.87	72502
780.25	14.433	72504
780.375	13.276	72505
780.5	12.034	72507
780.625	11.197	72509
780.75	11.191	72511
780.875	11.206	72513
781	11.201	72514
781.125	11.203	72516
781.25	11.207	72518
781.375	11.15	72520
781.5	11.116	72522
781.625	11.016	72523
781.75	11.079	72525
781.875	11.108	72527
782	11.394	72529
782.125	11.837	72531
782.25	12.356	72532
782.375	12.717	72534
782.5	12.902	72536
782.625	13.069	72538
782.75	13.085	72540
782.875	12.888	72541
783	12.811	72543
783.125	12.65	72545
783.25	12.499	72547
783.375	12.352	72549
783.5	12.309	72550
783.625	12.413	72552
783.75	12.7	72554
783.875	13.009	72556
784	13.417	72557
784.125	14.036	72559
784.25	14.578	72561
784.375	15.019	72563
784.5	15.357	72565
784.625	15.625	72566
784.75	15.739	72568
784.875	15.886	72570
785	16.027	72572
785.125	16.039	72574
785.25	15.94	72575

785.375	15.818	72577
785.5	15.217	72579
785.625	13.882	72581
785.75	12.546	72583
785.875	11.89	72584
786	11.754	72586
786.125	11.711	72588
786.25	11.901	72590
786.375	12.143	72592
786.5	12.337	72593
786.625	12.392	72595
786.75	12.071	72597
786.875	11.355	72599
787	10.968	72601
787.125	10.747	72602
787.25	10.65	72604
787.375	10.647	72606
787.5	10.783	72608
787.625	11.373	72610
787.75	12.131	72611
787.875	12.691	72613
788	13.379	72615
788.125	14.059	72617
788.25	14.558	72619
788.375	14.515	72620
788.5	14.26	72622
788.625	13.612	72624
788.75	12.887	72626
788.875	12.033	72627
789	10.957	72629
789.125	10.309	72631
789.25	10.042	72633
789.375	10.271	72634
789.5	10.638	72636
789.625	10.82	72637
789.75	12.275	72639
789.875	12.861	72640
790	12.959	72642
790.125	12.697	72644
790.25	12.301	72645
790.375	11.988	72647
790.5	11.586	72648
790.625	11.191	72650
790.75	11.24	72652
790.875	11.692	72653
791	12.43	72655

791.125	13.18	72656
791.25	13.869	72658
791.375	14.204	72660
791.5	14.008	72661
791.625	13.655	72663
791.75	13.091	72664
791.875	12.497	72666
792	11.849	72668
792.125	11.261	72669
792.25	10.593	72671
792.375	9.932	72672
792.5	9.374	72674
792.625	9.055	72676
792.75	9.186	72677
792.875	9.449	72679
793	9.796	72680
793.125	9.992	72682
793.25	10.844	72684
793.375	11.659	72685
793.5	12.628	72687
793.625	13.211	72688
793.75	13.845	72690
793.875	14.31	72692
794	14.806	72693
794.125	15.441	72695
794.25	15.738	72696
794.375	15.887	72698
794.5	15.938	72700
794.625	15.801	72701
794.75	15.627	72703
794.875	14.758	72704
795	12.749	72706
795.125	10.549	72707
795.25	9.615	72709
795.375	9.5	72711
795.5	9.4	72712
795.625	9.3	72714
795.75	9.4	72715
795.875	9.7	72717
796	10.073	72719
796.125	11.173	72720
796.25	12.004	72722
796.375	12.588	72723
796.5	12.657	72725
796.625	12.116	72727
796.75	11.767	72728

796.875	11.637	72730
797	11.639	72731
797.125	11.792	72733
797.25	12.029	72735
797.375	12.197	72736
797.5	12.27	72738
797.625	12.305	72739
797.75	12.402	72741
797.875	12.482	72743
798	12.512	72744
798.125	13.307	72746
798.25	14.415	72747
798.375	15.174	72749
798.5	15.081	72751
798.625	14.816	72752
798.75	14.632	72754
798.875	14.541	72755
799	14.489	72757
799.125	14.437	72759
799.25	14.446	72760
799.375	14.432	72762
799.5	13.835	72763
799.625	13.127	72765
799.75	12.552	72767
799.875	12.062	72768
800	11.867	72770
800.125	11.148	72771
800.25	10.628	72773
800.375	10.242	72774
800.5	10.159	72776
800.625	10.403	72778
800.75	10.948	72779
800.875	11.194	72781
801	11.404	72782
801.125	11.486	72784
801.25	11.361	72786
801.375	11.144	72787
801.5	11.012	72789
801.625	11.059	72790
801.75	11.301	72792
801.875	11.782	72794
802	12.345	72795
802.125	12.754	72797
802.25	13.068	72798
802.375	13.408	72800
802.5	13.757	72802

802.625	13.707	72803
802.75	13.427	72805
802.875	13.027	72806
803	12.808	72808
803.125	12.572	72810
803.25	12.462	72811
803.375	12.115	72813
803.5	11.802	72814
803.625	11.643	72816
803.75	11.557	72818
803.875	11.451	72819
804	11.43	72821
804.125	11.472	72822
804.25	11.528	72824
804.375	12.108	72826
804.5	12.97	72827
804.625	13.463	72829
804.75	12.805	72830
804.875	12.036	72832
805	11.307	72834
805.125	10.554	72835
805.25	9.683	72837
805.375	10.491	72838
805.5	11.056	72840
805.625	11.282	72841
805.75	11.553	72843
805.875	11.855	72845
806	12.171	72846
806.125	11.73	72848
806.25	10.826	72849
806.375	9.849	72851
806.5	9.521	72853
806.625	9.054	72854
806.75	8.777	72856
806.875	9.167	72857
807	9.389	72859
807.125	10.014	72861
807.25	10.187	72863
807.375	10.519	72865
807.5	10.964	72867
807.625	11.376	72869
807.75	11.583	72871
807.875	12.063	72873
808	12.641	72875
808.125	13.179	72877
808.25	13.312	72879

808.375	13.26	72881
808.5	13.131	72883
808.625	13.068	72886
808.75	13.236	72888
808.875	13.324	72890
809	13.237	72892
809.125	12.9	72894
809.25	12.751	72896
809.375	12.966	72898
809.5	13.313	72900
809.625	13.637	72902
809.75	14.092	72904
809.875	14.437	72906
810	14.569	72908

GR ages are obtained from depth-age data series of tuned Th data (Wu et al.,2014)

The bed boundary ages are obtained by

interpolating the depth-age data series of tuned Th data (Wu et al.,2014)

Lithologic data are obtained from Wang et al., (2015)

The CDMR of GR, Th and lithologic cycle data were done by SRFischerplot-2 code.

MTMY-1 core

Si

input data			output data			
depth (m)	Si	age	depth (m)	CDMR	age (Ma)	CDMR
211.4	218276	5.900059	212	-5.40E-13	5.904647	-5.40E-13
211.5	226314	5.900824	212.2	-66.1782	5.906176	-66.1782
211.6	217472	5.901588	212.8	-132.356	5.911143	-132.356
211.7	211345	5.902353	213.1	-188.528	5.914571	-188.528
211.8	212023	5.903118	213.4	-211.416	5.918	-211.416
211.9	209282	5.903882	213.8	-234.279	5.9268	-234.279
212	224736	5.904647	214	-215.107	5.9315	-215.107
212.1	209773	5.905412	214.2	-193.034	5.9365	-193.034
212.2	216301	5.906176	214.5	-168.408	5.941167	-168.408
212.3	214653	5.906941	214.8	-168.063	5.944417	-168.063
212.4	209408	5.907706	215.2	-195.744	5.94875	-195.744
212.5	205165	5.908471	215.5	-223.433	5.952	-223.433
212.6	199812	5.909235	215.7	-251.114	5.960667	-251.114
212.7	195704	5.91	215.9	-209.564	5.969333	-209.564
212.8	197450	5.911143	216.3	-168.017	5.986667	-168.017
212.9	204522	5.912286	216.6	-126.466	5.997	-126.466
213	201414	5.913429	216.8	-90.8735	6.003	-90.8735
213.1	205437	5.914571	217	-59.5806	6.005222	-59.5806
213.2	210253	5.915714	217.2	-84.9634	6.007444	-84.9634

213.3	207605	5.916857	217.4	-110.346	6.009667	-110.346
213.4	214686	5.918	217.9	-135.688	6.01575	-135.688
213.5	222868	5.9202	218.2	-153.259	6.019875	-153.259
213.6	214831	5.9224	218.7	-161.36	6.0276	-161.36
213.7	202282	5.9246	219	-161.458	6.033	-161.458
213.8	210497	5.9268	219.4	-152.388	6.042	-152.388
213.9	207168	5.929	219.6	-132.206	6.047	-132.206
214	214428	5.9315	220	-107.58	6.0655	-107.58
214.1	209193	5.934	220.2	-64.5751	6.074	-64.5751
214.2	214604	5.9365	220.4	-23.4783	6.0815	-23.4783
214.3	212907	5.939	221	14.4812	6.092	14.4812
214.4	207312	5.940083	221.3	21.96456	6.095	21.96456
214.5	228224	5.941167	221.5	-13.4092	6.097	-13.4092
214.6	203281	5.94225	221.7	-48.783	6.099	-48.783
214.8	210361	5.944417	221.9	-84.1568	6.101	-84.1568
214.9	203170	5.9455	222.1	-119.531	6.103	-119.531
215.1	186523	5.947667	222.4	-154.904	6.106	-154.904
215.2	193362	5.94875	222.6	-190.278	6.108	-190.278
215.3	194833	5.949833	223.3	-225.652	6.123333	-225.652
215.4	190238	5.950917	223.9	-206.679	6.135333	-206.679
215.5	195514	5.952	224.2	-192.053	6.140333	-192.053
215.6	185459	5.956333	224.4	-187.427	6.145	-187.427
215.7	193801	5.960667	224.7	-165.654	6.148375	-165.654
215.8	187111	5.965	225	-189.917	6.15175	-189.917
215.9	192359	5.969333	225.3	-214.18	6.1558	-214.18
216	195698	5.973667	225.7	-223.628	6.163	-223.628
216.1	202338	5.978	226	-214.557	6.173833	-214.557
216.2	201688	5.982333	227.3	-177.624	6.187	-177.624
216.3	202520	5.986667	227.8	-211.729	6.196125	-211.729
216.4	206347	5.991	228.2	-201.898	6.200625	-201.898
216.5	204547	5.994	228.4	-226.16	6.202875	-226.16
216.6	206924	5.997	228.8	-250.423	6.208125	-250.423
216.7	197674	6	229.2	-261.987	6.213625	-261.987
216.8	203362	6.003	229.5	-270.088	6.219	-270.088
216.9	200636	6.004111	230.3	-261.276	6.231	-261.276
217	211927	6.005222	230.5	-263.317	6.2334	-263.317
217.1	210059	6.006333	230.9	-282.024	6.239375	-282.024
217.2	224223	6.007444	231.4	-284.343	6.25125	-284.343
217.3	223010	6.008556	231.8	-261.822	6.2615	-261.822
217.4	229344	6.009667	232.3	-236.22	6.2724	-236.22
217.5	231006	6.010778	232.8	-217.466	6.28425	-217.466
217.7	226944	6.013	233	-195.034	6.2895	-195.034
217.8	216866	6.014375	233.5	-168.503	6.303	-168.503
217.9	217776	6.01575	233.7	-140.913	6.309	-140.913
218	215123	6.017125	233.9	-109.621	6.318	-109.621
218.1	213117	6.0185	234.3	-67.2166	6.324286	-67.2166

218.2	213239	6.019875	234.8	-66.2239	6.3345	-66.2239
218.3	211034	6.02125	235.3	-50.5501	6.345167	-50.5501
218.4	204110	6.022625	235.8	-32.7974	6.353778	-32.7974
218.5	201241	6.024	236.2	-26.2365	6.360667	-26.2365
218.6	190212	6.0258	236.5	-19.6738	6.365833	-19.6738
218.7	202458	6.0276	236.8	-13.1196	6.371	-13.1196
218.8	208720	6.0294	237	-6.5542	6.374444	-6.5542
218.9	205948	6.0312				
219	217668	6.033				
219.1	213748	6.03525				
219.2	213629	6.0375				
219.3	198240	6.03975				
219.4	200464	6.042				
219.5	198745	6.0445				
219.6	201526	6.047				
219.7	200058	6.0495				
219.8	197613	6.052				
219.9	194805	6.062				
220	198730	6.0655				
220.1	196607	6.069				
220.2	199084	6.074				
220.3	185005	6.079				
220.4	199260	6.0815				
220.5	210012	6.084				
220.6	217642	6.0865				
220.7	224429	6.089				
220.8	223842	6.09				
220.9	218272	6.091				
221	226352	6.092				
221.1	220663	6.093				
221.2	214343	6.094				
221.3	219610	6.095				
221.4	215582	6.096				
221.5	225260	6.097				
221.6	215782	6.098				
221.7	219024	6.099				
221.8	212806	6.1				
221.9	213242	6.101				
222	213060	6.102				
222.1	213617	6.103				
222.2	218890	6.104				
222.3	215673	6.105				
222.4	221392	6.106				
222.5	221006	6.107				
222.6	225106	6.108				
222.7	219345	6.11				

222.8	215853	6.112
222.9	212171	6.114
223	210240	6.116
223.1	207548	6.118
223.2	207111	6.12
223.3	214113	6.123333
223.4	220168	6.126667
223.5	227117	6.13
223.6	227269	6.131333
223.8	210056	6.134
223.9	210958	6.135333
224	206677	6.136667
224.1	199992	6.138
224.2	220915	6.140333
224.3	211993	6.142667
224.4	226570	6.145
224.5	216426	6.146125
224.6	211022	6.14725
224.7	212714	6.148375
224.8	208481	6.1495
224.9	203869	6.150625
225	208243	6.15175
225.1	206717	6.152875
225.2	196031	6.154
225.3	196871	6.1558
225.4	202286	6.1576
225.5	202858	6.1594
225.6	199172	6.1612
225.7	207712	6.163
225.8	209085	6.168
225.9	206002	6.173
226	206969	6.173833
227	227580	6.182167
227.1	225380	6.183
227.2	218112	6.185
227.3	218850	6.187
227.4	217798	6.189
227.5	214031	6.191
227.6	210877	6.193
227.7	188343	6.195
227.8	193553	6.196125
227.9	201251	6.19725
228	211329	6.198375
228.1	205756	6.1995
228.2	205959	6.200625
228.3	198922	6.20175

228.4	204290	6.202875
228.5	215192	6.204
228.6	213551	6.205375
228.7	212782	6.20675
228.8	214804	6.208125
228.9	215686	6.2095
229	214155	6.210875
229.1	208383	6.21225
229.2	210184	6.213625
229.3	204120	6.215
229.4	202269	6.217
229.5	206914	6.219
229.6	211903	6.221
229.7	212923	6.223
229.8	216613	6.225
229.9	218650	6.2262
230	219974	6.2274
230.1	209279	6.2286
230.3	210983	6.231
230.4	206393	6.2322
230.5	217033	6.2334
230.6	205051	6.2346
230.7	195027	6.2358
230.8	192527	6.237
230.9	195069	6.239375
231	208597	6.24175
231.1	198792	6.244125
231.2	196680	6.2465
231.3	196437	6.248875
231.4	196922	6.25125
231.5	213159	6.253625
231.6	201326	6.256
231.7	199645	6.25875
231.8	203177	6.2615
231.9	204414	6.26425
232	210107	6.267
232.1	204772	6.2688
232.2	201418	6.2706
232.3	206981	6.2724
232.4	207644	6.2742
232.5	210491	6.276
232.6	211233	6.27875
232.7	206457	6.2815
232.8	207316	6.28425
232.9	202821	6.287
233	209510	6.2895

233.1	214543	6.292
233.2	216110	6.2945
233.3	222492	6.297
233.4	217907	6.3
233.5	218562	6.303
233.6	205814	6.306
233.7	215012	6.309
233.8	211841	6.3135
233.9	218306	6.318
234	226996	6.319571
234.1	213694	6.321143
234.2	202226	6.322714
234.3	202681	6.324286
234.4	206536	6.325857
234.5	214617	6.327429
234.6	195266	6.329
234.7	189550	6.33175
234.8	202677	6.3345
234.9	210705	6.33725
235	226051	6.34
235.1	209312	6.341722
235.2	206294	6.343444
235.3	207004	6.345167
235.4	210107	6.346889
235.5	215239	6.348611
235.6	210294	6.350333
235.7	208852	6.352056
235.8	209398	6.353778
235.9	213513	6.3555
236	215798	6.357222
236.1	207507	6.358944
236.2	211596	6.360667
236.3	210996	6.362389
236.4	200697	6.364111
236.5	203484	6.365833
236.6	208177	6.367556
236.7	201149	6.369278
236.8	222555	6.371
236.9	204483	6.372722
237	204636	6.374444

Ti

input data			output data			
depth (m)	Ti	age	depth (m)	CDMR	age (Ma)	CDMR
211.4	3338	5.900059	212	8.53E-14	5.904647	8.53E-14
211.5	3522	5.900824	212.3	-68.508	5.906941	-68.508

211.6	3463	5.901588	212.8	-136.987	5.911143	-136.987
211.7	3177	5.902353	213.2	-193.682	5.915714	-193.682
211.8	3288	5.903118	213.4	-218.894	5.918	-218.894
211.9	3208	5.903882	213.9	-244.086	5.929	-244.086
212	3414	5.904647	214.2	-227.244	5.9365	-227.244
212.1	3216	5.905412	214.4	-204.948	5.940083	-204.948
212.2	3177	5.906176	214.8	-198.471	5.944417	-198.471
212.3	3267	5.906941	215.4	-228.468	5.950917	-228.468
212.4	3198	5.907706	215.7	-258.479	5.960667	-258.479
212.5	3047	5.908471	215.9	-226.952	5.969333	-226.952
212.6	3015	5.909235	216.2	-187.734	5.982333	-187.734
212.7	2988	5.91	216.4	-148.514	5.991	-148.514
212.8	3063	5.911143	216.8	-109.294	6.003	-109.294
212.9	3108	5.912286	217.2	-80.3308	6.007444	-80.3308
213	3245	5.913429	217.8	-108.043	6.014375	-108.043
213.1	3160	5.914571	218.1	-132.314	6.0185	-132.314
213.2	3282	5.915714	218.7	-142.745	6.0276	-142.745
213.3	3251	5.916857	219.4	-146.383	6.042	-146.383
213.4	3396	5.918	219.6	-132.698	6.047	-132.698
213.5	3498	5.9202	220	-110.401	6.0655	-110.401
213.6	3360	5.9224	220.2	-69.7262	6.074	-69.7262
213.7	3213	5.9246	220.4	-30.9592	6.0815	-30.9592
213.8	3138	5.9268	221	4.670639	6.092	4.670639
213.9	3206	5.929	221.4	9.824244	6.096	9.824244
214	3351	5.9315	222	-27.8793	6.102	-27.8793
214.1	3218	5.934	222.2	-65.5828	6.104	-65.5828
214.2	3266	5.9365	222.4	-103.286	6.106	-103.286
214.3	3259	5.939	223	-140.99	6.116	-140.99
214.4	3305	5.940083	223.3	-138.693	6.123333	-138.693
214.5	3492	5.941167	223.9	-117.308	6.135333	-117.308
214.6	3187	5.94225	224.1	-105.011	6.138	-105.011
214.8	3233	5.944417	224.4	-117.706	6.145	-117.706
214.9	3099	5.9455	224.7	-98.2663	6.148375	-98.2663
215.1	2772	5.947667	224.9	-124.859	6.150625	-124.859
215.2	2761	5.94875	225.4	-151.451	6.1576	-151.451
215.3	2724	5.949833	225.7	-160.839	6.163	-160.839
215.4	2858	5.950917	227	-154.098	6.182167	-154.098
215.5	2906	5.952	227.2	-159.627	6.185	-159.627
215.6	2717	5.956333	227.5	-167.927	6.191	-167.927
215.7	2859	5.960667	227.8	-155.63	6.196125	-155.63
215.8	2828	5.965	228.5	-151.871	6.204	-151.871
215.9	2893	5.969333	228.8	-178.463	6.208125	-178.463
216	3133	5.973667	229.2	-188.894	6.213625	-188.894
216.1	3112	5.978	229.6	-199.325	6.221	-199.325
216.2	3124	5.982333	229.8	-191.265	6.225	-191.265
216.3	3078	5.986667	230	-178.969	6.2274	-178.969

216.4	3148	5.991	230.3	-200.006	6.231	-200.006
216.5	3177	5.994	230.5	-221.043	6.2334	-221.043
216.6	3161	5.997	230.9	-242.08	6.239375	-242.08
216.7	3078	6	231.4	-246.729	6.25125	-246.729
216.8	3149	6.003	231.7	-226.538	6.25875	-226.538
216.9	3210	6.004111	232	-204.241	6.267	-204.241
217	3199	6.005222	232.2	-178.308	6.2706	-178.308
217.1	3155	6.006333	232.5	-171.567	6.276	-171.567
217.2	3332	6.007444	232.8	-164.826	6.28425	-164.826
217.3	3404	6.008556	233	-138.894	6.2895	-138.894
217.4	3532	6.009667	233.6	-114.692	6.306	-114.692
217.5	3509	6.010778	234	-88.7596	6.319571	-88.7596
217.7	3434	6.013	234.3	-55.9377	6.324286	-55.9377
217.8	3464	6.014375	234.5	-57.268	6.327429	-57.268
217.9	3423	6.01575	234.8	-58.605	6.3345	-58.605
218	3412	6.017125	235.2	-38.7353	6.343444	-38.7353
218.1	3414	6.0185	235.5	-21.1616	6.348611	-21.1616
218.2	3415	6.019875	235.7	-16.9259	6.352056	-16.9259
218.3	3409	6.02125	235.9	-12.6846	6.3555	-12.6846
218.4	3195	6.022625	236.2	-8.46014	6.360667	-8.46014
218.5	3039	6.024	236.5	-4.22445	6.365833	-4.22445
218.6	2975	6.0258				
218.7	3093	6.0276				
218.8	3197	6.0294				
218.9	3215	6.0312				
219	3269	6.033				
219.1	3271	6.03525				
219.2	3290	6.0375				
219.3	2948	6.03975				
219.4	3057	6.042				
219.5	3053	6.0445				
219.6	3130	6.047				
219.7	3148	6.0495				
219.8	3138	6.052				
219.9	2952	6.062				
220	3034	6.0655				
220.1	2997	6.069				
220.2	3031	6.074				
220.3	2838	6.079				
220.4	3050	6.0815				
220.5	3345	6.084				
220.6	3396	6.0865				
220.7	3461	6.089				
220.8	3477	6.09				
220.9	3420	6.091				
221	3487	6.092				

221.1	3404	6.093
221.2	3364	6.094
221.3	3247	6.095
221.4	3385	6.096
221.5	3481	6.097
221.6	3385	6.098
221.7	3368	6.099
221.8	3287	6.1
221.9	3245	6.101
222	3263	6.102
222.1	3228	6.103
222.2	3294	6.104
222.3	3240	6.105
222.4	3362	6.106
222.5	3362	6.107
222.6	3502	6.108
222.7	3397	6.11
222.8	3325	6.112
222.9	3212	6.114
223	3231	6.116
223.1	3183	6.118
223.2	3096	6.12
223.3	3263	6.123333
223.4	3354	6.126667
223.5	3489	6.13
223.6	3417	6.131333
223.8	2824	6.134
223.9	3162	6.135333
224	3066	6.136667
224.1	3077	6.138
224.2	3451	6.140333
224.3	3249	6.142667
224.4	3464	6.145
224.5	3345	6.146125
224.6	3327	6.14725
224.7	3378	6.148375
224.8	3183	6.1495
224.9	3207	6.150625
225	3286	6.15175
225.1	3170	6.152875
225.2	3015	6.154
225.3	2971	6.1558
225.4	3080	6.1576
225.5	3186	6.1594
225.6	3137	6.1612
225.7	3213	6.163

225.8	3288	6.168
225.9	3134	6.173
226	3116	6.173833
227	3531	6.182167
227.1	3502	6.183
227.2	3510	6.185
227.3	3438	6.187
227.4	3309	6.189
227.5	3394	6.191
227.6	3275	6.193
227.7	2920	6.195
227.8	2987	6.196125
227.9	3060	6.19725
228	3233	6.198375
228.1	3187	6.1995
228.2	3167	6.200625
228.3	3070	6.20175
228.4	3028	6.202875
228.5	3292	6.204
228.6	3346	6.205375
228.7	3325	6.20675
228.8	3431	6.208125
228.9	3461	6.2095
229	3404	6.210875
229.1	2984	6.21225
229.2	2987	6.213625
229.3	3119	6.215
229.4	3114	6.217
229.5	3058	6.219
229.6	3328	6.221
229.7	3317	6.223
229.8	3415	6.225
229.9	3334	6.2262
230	3346	6.2274
230.1	3240	6.2286
230.3	3309	6.231
230.4	3216	6.2322
230.5	3325	6.2334
230.6	3129	6.2346
230.7	2950	6.2358
230.8	2877	6.237
230.9	3081	6.239375
231	3124	6.24175
231.1	3035	6.244125
231.2	2999	6.2465
231.3	2969	6.248875

231.4	2996	6.25125
231.5	3293	6.253625
231.6	3073	6.256
231.7	3109	6.25875
231.8	3128	6.2615
231.9	3104	6.26425
232	3155	6.267
232.1	3106	6.2688
232.2	3141	6.2706
232.3	3245	6.2724
232.4	3206	6.2742
232.5	3333	6.276
232.6	3215	6.27875
232.7	3128	6.2815
232.8	3156	6.28425
232.9	3117	6.287
233	3187	6.2895
233.1	3297	6.292
233.2	3349	6.2945
233.3	3352	6.297
233.4	3317	6.3
233.5	3280	6.303
233.6	3340	6.306
233.7	3426	6.309
233.8	3384	6.3135
233.9	3359	6.318
234	3498	6.319571
234.1	3317	6.321143
234.2	3161	6.322714
234.3	3219	6.324286
234.4	3214	6.325857
234.5	3277	6.327429
234.6	2953	6.329
234.7	2925	6.33175
234.8	3131	6.3345
234.9	3213	6.33725
235	3474	6.34
235.1	3193	6.341722
235.2	3227	6.343444
235.3	3235	6.345167
235.4	3201	6.346889
235.5	3413	6.348611
235.6	3315	6.350333
235.7	3336	6.352056
235.8	3276	6.353778
235.9	3327	6.3555

236	3349	6.357222
236.1	3229	6.358944
236.2	3265	6.360667
236.3	3202	6.362389
236.4	3112	6.364111
236.5	3128	6.365833
236.6	3189	6.367556
236.7	3221	6.369278
236.8	3523	6.371
236.9	3261	6.372722
237	3188	6.374444

Ca

input data			output data			
depth (m)	Ca	age	depth (m)	CDMR	age (Ma)	CDMR
211.4	77197	5.900059	212.2	1.42E-13	5.906176	1.42E-13
211.5	81788	5.900824	212.9	-68.4348	5.912286	-68.4348
211.6	86614	5.901588	213.6	-120.631	5.9224	-120.631
211.7	80963	5.902353	214.3	-127.473	5.939	-127.473
211.8	83531	5.903118	214.8	-107.272	5.944417	-107.272
211.9	87221	5.903882	215.8	-137.204	5.965	-137.204
212	94209	5.904647	216.1	-123.418	5.978	-123.418
212.1	91901	5.905412	216.5	-84.1253	5.994	-84.1253
212.2	95378	5.906176	217.7	-46.7556	6.013	-46.7556
212.3	105230	5.906941	219.2	-47.5438	6.0375	-47.5438
212.4	106048	5.907706	219.5	-46.3986	6.0445	-46.3986
212.5	109012	5.908471	219.9	-26.8861	6.062	-26.8861
212.6	114385	5.909235	220.2	12.62649	6.074	12.62649
212.7	122370	5.91	220.8	49.99618	6.09	49.99618
212.8	113606	5.911143	221.4	74.86587	6.096	74.86587
212.9	114844	5.912286	221.8	37.23556	6.1	37.23556
213	116223	5.913429	222.5	-0.39475	6.107	-0.39475
213.1	113683	5.914571	222.7	-38.0251	6.11	-38.0251
213.2	105291	5.915714	223.6	-42.322	6.131333	-42.322
213.3	104682	5.916857	224	-22.1405	6.136667	-22.1405
213.4	102529	5.918	224.3	-34.7614	6.142667	-34.7614
213.5	101991	5.9202	224.5	-22.3918	6.146125	-22.3918
213.6	103162	5.9224	225.9	-17.859	6.173	-17.859
213.7	115390	5.9246	227.1	-7.5823	6.183	-7.5823
213.8	117520	5.9268	228	-65.2126	6.198375	-65.2126
213.9	121271	5.929	228.3	-61.3795	6.20175	-61.3795
214	108795	5.9315	228.5	-87.8987	6.204	-87.8987
214.1	83526	5.934	228.7	-114.418	6.20675	-114.418
214.2	76522	5.9365	228.9	-124.775	6.2095	-124.775
214.3	78736	5.939	229.3	-135.133	6.215	-135.133
214.4	86335	5.940083	229.5	-145.491	6.219	-145.491

214.5	93278	5.941167	229.9	-133.121	6.2262	-133.121
214.6	87163	5.94225	230.3	-126.307	6.231	-126.307
214.8	93957	5.944417	230.7	-147.27	6.2358	-147.27
214.9	101657	5.9455	231.3	-168.234	6.248875	-168.234
215.1	119383	5.947667	231.5	-151.754	6.253625	-151.754
215.2	123757	5.94875	231.7	-131.489	6.25875	-131.489
215.3	128876	5.949833	232.3	-108.144	6.2724	-108.144
215.4	138328	5.950917	232.5	-89.7302	6.276	-89.7302
215.5	144572	5.952	233.4	-82.916	6.3	-82.916
215.6	138298	5.956333	234	-58.0463	6.319571	-58.0463
215.7	133156	5.960667	235	-26.3343	6.34	-26.3343
215.8	136450	5.965	235.4	-12.9146	6.346889	-12.9146
215.9	139238	5.969333	236	-8.60847	6.357222	-8.60847
216	130794	5.973667	236.9	-4.30517	6.372722	-4.30517
216.1	133679	5.978				
216.2	127983	5.982333				
216.3	125584	5.986667				
216.4	123043	5.991				
216.5	125163	5.994				
216.6	131474	5.997				
216.7	132647	6				
216.8	137132	6.003				
216.9	133044	6.004111				
217	121456	6.005222				
217.1	120081	6.006333				
217.2	93555	6.007444				
217.3	84207	6.008556				
217.4	80334	6.009667				
217.5	72694	6.010778				
217.7	75596	6.013				
217.8	76747	6.014375				
217.9	89360	6.01575				
218	90197	6.017125				
218.1	96129	6.0185				
218.2	100656	6.019875				
218.3	104736	6.02125				
218.4	108229	6.022625				
218.5	132994	6.024				
218.6	130718	6.0258				
218.7	130132	6.0276				
218.8	120182	6.0294				
218.9	119873	6.0312				
219	115354	6.033				
219.1	112287	6.03525				
219.2	116164	6.0375				
219.3	143009	6.03975				

219.4	140615	6.042
219.5	141232	6.0445
219.6	136640	6.047
219.7	133844	6.0495
219.8	133409	6.052
219.9	147714	6.062
220	146635	6.0655
220.1	140482	6.069
220.2	145892	6.074
220.3	153263	6.079
220.4	135391	6.0815
220.5	89578	6.084
220.6	79129	6.0865
220.7	76764	6.089
220.8	83965	6.09
220.9	84094	6.091
221	86719	6.092
221.1	91170	6.093
221.2	94609	6.094
221.3	91396	6.095
221.4	97420	6.096
221.5	99671	6.097
221.6	107184	6.098
221.7	106183	6.099
221.8	111268	6.1
221.9	110554	6.101
222	104189	6.102
222.1	101032	6.103
222.2	100466	6.104
222.3	93117	6.105
222.4	90222	6.106
222.5	92082	6.107
222.6	85901	6.108
222.7	91058	6.11
222.8	102454	6.112
222.9	109610	6.114
223	114776	6.116
223.1	117050	6.118
223.2	126518	6.12
223.3	106371	6.123333
223.4	90180	6.126667
223.5	84791	6.13
223.6	85162	6.131333
223.8	129319	6.134
223.9	106512	6.135333
224	115928	6.136667

224.1	124090	6.138
224.2	84122	6.140333
224.3	102181	6.142667
224.4	85421	6.145
224.5	95097	6.146125
224.6	105330	6.14725
224.7	110165	6.148375
224.8	119636	6.1495
224.9	121783	6.150625
225	123257	6.15175
225.1	123823	6.152875
225.2	138666	6.154
225.3	141602	6.1558
225.4	128131	6.1576
225.5	124268	6.1594
225.6	123584	6.1612
225.7	121103	6.163
225.8	121009	6.168
225.9	126053	6.173
226	129581	6.173833
227	79816	6.182167
227.1	82560	6.183
227.2	84347	6.185
227.3	90888	6.187
227.4	98340	6.189
227.5	110832	6.191
227.6	118355	6.193
227.7	125289	6.195
227.8	115241	6.196125
227.9	100898	6.19725
228	108402	6.198375
228.1	98149	6.1995
228.2	93338	6.200625
228.3	95660	6.20175
228.4	92318	6.202875
228.5	103628	6.204
228.6	93690	6.205375
228.7	96159	6.20675
228.8	93695	6.208125
228.9	100612	6.2095
229	107450	6.210875
229.1	115281	6.21225
229.2	110978	6.213625
229.3	121501	6.215
229.4	110683	6.217
229.5	111998	6.219

229.6	98972	6.221
229.7	97297	6.223
229.8	92063	6.225
229.9	98119	6.2262
230	98557	6.2274
230.1	95443	6.2286
230.3	101649	6.231
230.4	103564	6.2322
230.5	105152	6.2334
230.6	102843	6.2346
230.7	129932	6.2358
230.8	139528	6.237
230.9	129455	6.239375
231	127571	6.24175
231.1	120805	6.244125
231.2	113884	6.2465
231.3	115165	6.248875
231.4	110371	6.25125
231.5	115090	6.253625
231.6	109194	6.256
231.7	115223	6.25875
231.8	115400	6.2615
231.9	121484	6.26425
232	126898	6.267
232.1	111312	6.2688
232.2	107459	6.2706
232.3	108616	6.2724
232.4	103524	6.2742
232.5	106448	6.276
232.6	107273	6.27875
232.7	117070	6.2815
232.8	117676	6.28425
232.9	127839	6.287
233	112820	6.2895
233.1	98773	6.292
233.2	94557	6.2945
233.3	90880	6.297
233.4	92984	6.3
233.5	94370	6.303
233.6	100923	6.306
233.7	101766	6.309
233.8	79002	6.3135
233.9	73985	6.318
234	81983	6.319571
234.1	83701	6.321143
234.2	101564	6.322714

234.3	103956	6.324286
234.4	106705	6.325857
234.5	116123	6.327429
234.6	123404	6.329
234.7	120399	6.33175
234.8	94531	6.3345
234.9	91808	6.33725
235	93067	6.34
235.1	93175	6.341722
235.2	86760	6.343444
235.3	85515	6.345167
235.4	90333	6.346889
235.5	92485	6.348611
235.6	95707	6.350333
235.7	98723	6.352056
235.8	95898	6.353778
235.9	86032	6.3555
236	109609	6.357222
236.1	112450	6.358944
236.2	114763	6.360667
236.3	128062	6.362389
236.4	131674	6.364111
236.5	131398	6.365833
236.6	126090	6.367556
236.7	125288	6.369278
236.8	89420	6.371
236.9	116006	6.372722
237	125580	6.374444

Input data are obtained from van den Berg et al.(2015).
The calculations were done by SRFischerplot-2 code.